

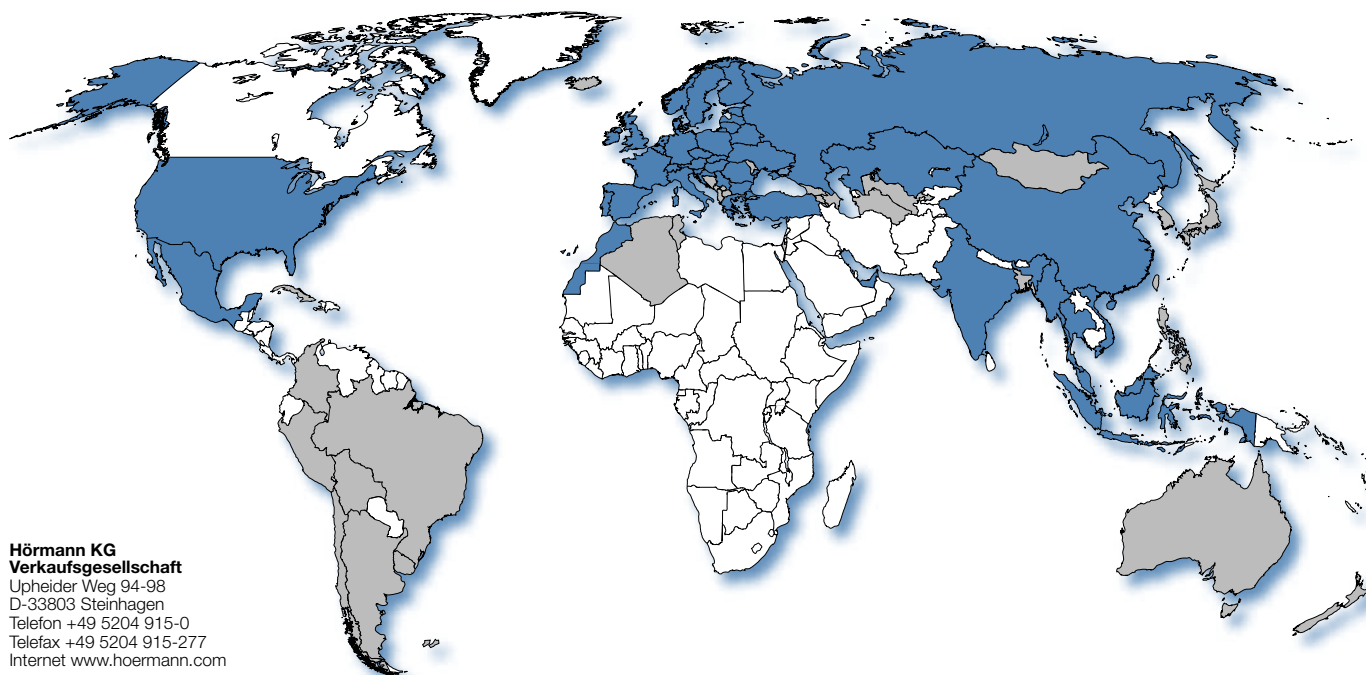
Price list 01-22.1 C

Valid from 01.06.2022

Part C

Hollow profiled section doors

Hörmann international sales companies and sales partners



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Hörmann international sales companies

International sales partners

Hörmann international sales companies

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International sales partners

Albania	Bangladesh	Colombia	Kosovo	New Zealand	Tunesia
Algeria	Bolivia	Cuba	Luxembourg	North Macedonia	Turkmenistan
Argentina	Bosnia-Herzegovina	Georgia	Malta	Peru	Uruguay
Armenia	Brazil	Iceland	Moldova	South Korea	Uzbekistan
Australia	Cambodia	Israel	Mongolia	Taiwan	
Azerbaijan	Chile	Japan	Montenegro	The Philippines	

For more information on our sales companies and sales partners, visit www.hoermann.com.

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	From page
Technical product overviews for tubular frame parts made of aluminium and steel	3
Product descriptions for tubular frame parts made of aluminium	23
Tubular frame parts made of aluminium	69
Fittings and accessories for tubular frame parts made of aluminium	171
Product descriptions for tubular frame parts made of steel	215
Tubular frame parts made of steel	239
Fittings and accessories for tubular frame parts made of steel	285
Steel loft doors	327

► Please also note the other parts of our dealer price list

Part A	• Up-and-over garage doors • Sectional doors • Side sliding sectional doors • RollMatic roller garage doors • Door operators • ThermoPro entrance doors / ThermoPlus entrance doors • Aluminium entrance doors
Part B	Sheet steel fire protection • Sheet steel smoke protection • Sheet steel acoustic insulation • Sheet steel security doors • Sheet steel multi-purpose doors • Glazing and top parts for steel doors • Fittings for steel doors • Fitting variants (fixing material) for steel doors • Internal doors • Steel frames • Visibility windows
Part D	Residential internal doors

Good reasons to try Hörmann steel tubular frame construction project doors



Particularly narrow door view

S-Line system

HÖRMANN

Tubular frame parts

Made of aluminium and steel

Technical product overviews

Product overview – aluminium tubular frame parts				From page
T30 / EI ₂₃₀				
	HE 311	Single-leaf	Fire-retarding	4
	HE 321	Double-leaf	Fire-retarding	6
	F30 transom lights and side elements HE 331		Fire-retarding and smoke-tight	6
T60 / T90				
	T60 / T90-1 door HE 611	Single-leaf	High fire resistance	8
	T60 / T90-2 door HE 621	Double-leaf	High fire resistance	
	F60 transom lights and side elements HE 631		High fire resistance and smoke-tight	
T90				
	T90-1 door HE 911	Single-leaf	Fire-proof	8
	T90-2 door HE 921	Double-leaf	Fire-proof	
	F90 transom lights and side elements HE 931		Fire-proof and smoke-tight	
Smoke-tight door assemblies				
	A / RS 150 door	Single-leaf	Smoke-tight	10
	A / RS 250 door	Double-leaf	Smoke-tight	
	A / RS 350 glazing		Smoke-tight	
Insulated smoke-tight door assemblies				
	A / RS 100 door	Single-leaf	Insulated	11
	A / RS 200 door	Double-leaf	Insulated	
	A / RS 300 glazing		Insulated	
Product overview – steel tubular frame parts				From page
T30				
	T30-1 door HL 310 N- and S-Line	Single-leaf	Fire-retarding and smoke-tight	14
	T30-2 door HL 320 N- and S-Line	Double-leaf	Fire-retarding and smoke-tight	15
	F30 transom lights and side elements HL 330		Fire-retarding and smoke-tight	
T90				
	T90-1 door HL 910 F	Single-leaf	Fire-proof and smoke-tight	16
	T90-2 door HL 920 F	Double-leaf	Fire-proof and smoke-tight	
	F90 transom lights and side elements HL 930 F		Fire-proof and smoke-tight	
Smoke-tight door assemblies				
	S / RS 100 door N- and S-Line	Single-leaf	Smoke-tight	17
	S / RS 200 door N- and S-Line	Double-leaf	Smoke-tight	
	S / RS 300 glazing		Smoke-tight	
Classification				From page
	Classification / performance characteristics			18

Aluminium fire-rated doors

With extensive glazing

T30 product overview, single-leaf

T30






Subject to changes

Aluminium fire-rated doors

Fire-retarding ready-to-fit door sets, tested and officially approved

Resistance class

Type	HE 311 Aluminium	HE 311 with aluminium frame without face, 2-part	HE 311 Aluminium
			
Fire resistance class	T30	T30	EI ² 30
Application area	Interior	Interior	Exterior
Approval number	Z-6.20-1898	Z-6.20-1898	0761 – CPR – 0560
Weight	48 kg/m ²	48 kg/m ²	54 kg/m ²
Depth	80 mm		
Viewed width of frame / leaf	150 mm	122.5 mm	150 mm
Viewed width of standard bottom section	150 mm		
Optional bottom section height	105 mm		
Rails	100 mm		
Crossed rails	○	○	○
Extension profiles	25, 50, 100, 150 mm	–	25, 50, 100, 150 mm

Size range

Nominal size (for version with frame)	Width	535 – 1430 mm	–	–
	Height	1705 – 2965 mm	–	–
Overall frame dimension	Width	605 – 1500 mm	788 – 1415 mm	605 – 1500 mm
	Height	1740 – 4000 mm	1710 – 2500 mm	1740 – 3000 mm
Clear passage	Height	1670 – 3930 mm	1667 – 2457 mm	1670 – 2930 mm
	(90° opening) Width	391 – 1286 mm	634 – 1261 mm	391 – 1286 mm
	(180° opening) Width	465 – 1360 mm	465 – 1330 mm	465 – 1360 mm

Approved for fitting to

Brickwork	≥ 115	≥ 115	≥ 115
Concrete	≥ 100	≥ 100	≥ 100
Gas concrete	≥ 150	≥ 150	≥ 150
Partition walls	≥ 100	≥ 100	On request

Fittings

Overhead door closer TS 5000 with slide rail	From RAM width 1271 mm	–	From RAM width 1271 mm
Overhead door closer HDC 35 with slide rail	Up to RAM width 1270 mm	–	Up to RAM width 1270 mm
Integrated ITS 96 with slide rail	○	●	○
Aluminium 3-way adjustable hinges, 2-part	2	–	2
Aluminium 3-way adjustable hinges, 3-part	○	–	○
Hörmann guide rollers HRB	○	2	○
Aluminium lever handle set D116	●	●	●
Aluminium lever / knob handle set D116 with knob K160	○	○	○
Cylinder	○	○	○
Retractable bottom seal	○	○	○

Infills

F30 glass	●	●	–
F30 insulated glass	○	○	●
Panel	○	○	○
Glass / panel combination	○	○	○

In this price list from page

70

Aluminium fire-rated doors

With extensive glazing

T30 product overview, single-leaf

T30






Subject to changes

Aluminium fire-rated doors

Fire-retarding ready-to-fit door sets, tested and officially approved

Resistance class

Type	HE 311 Aluminium	HE 311 with aluminium frame without face, 2-part	HE 311 Aluminium
			
Fire resistance class	T30	T30	T30
Application area	Interior	Interior	Exterior
Performance characteristics according to EN 14351-1 / optional extras (see also page 54)			
Smoke protection acc. to DIN 18095	○	○	○
Break-in resistance equipment	RC 2, RC 3	RC 2, RC 3	RC 2, RC 3
Acoustic insulation	$R_{w,P}$ up to 42 dB	$R_{w,P}$ up to 42 dB	$R_{w,P}$ up to 42 dB
Escape door function	○	○	○
Escape door function with break-in resistance equipment RC 2	○	–	○
Thermal insulation (in $W/m^2 \cdot K$)			Up to 1.6 $W/m^2 \cdot K$ *
Resistance under wind load			Class C3 / B3
Water tightness under heavy rain			Up to class 5A
Air permeability			Up to class 3
Differential climate behaviour			Class 2(d) / 2(e)
Operating forces			Up to class 3
In this price list from page	70		

* depending on size and glazing

Note:

- Doors with steel frame or frame without face are only possible with the glazing bead arrangement on the hinge side (opening inwards)!

- = optional
- = standard

● Fast-track programme for HE 311 doors:

- Standard version in surface finish White (RAL 9016), optional surface finishes available in DB 703, E6 / EV 1, RAL 7016, RAL 9006 and RAL 9007
- With standard glazing and silver-coloured standard fittings
- Max. element height 2620 mm (with solid transom light 3000 mm)
- Max. element width 1500 mm, with 1 side element 2480 mm, with 2 side elements 3460 mm
- Marked accessories

● Fast-track programme for HE 331 transom lights and side elements:

- Transom lights max. 2600 × 1000 mm
- Side elements max. 1480 × 2620 mm as a single door set
- Transom lights delivered as a door set, side elements unconstructed:
 - Standard version in surface finish White (RAL 9016), optional surface finishes available in DB 703, E6 / EV 1, RAL 7016, RAL 9006 and RAL 9007
 - With standard glazing and silver-coloured standard fittings
 - Max. element height 2620 mm (with solid transom light 3000 mm)
 - Max. element width 2500 mm, with 1 side element 3500 mm, with 2 side elements 4500 mm
- Marked accessories

Aluminium fire-rated doors

With extensive glazing

T30 product overview, double-leaf and fixed glazing

T30



F30



Subject to changes

Aluminium fire-rated doors

Fire-retarding ready-to-fit door sets, tested and officially approved

Resistance class

Type	HE 321 Aluminium	HE 321 with aluminium frame without face, 2-part	HE 321 Aluminium	HE 331 Aluminium
Fire resistance class	T30	T30	EI ² 30	T30
Application area	Interior	Interior	Exterior	Interior
Approval number	Z-6.20-1898	Z-6.20-1898	0761 – CPR – 0560	Z-19.14-1091
Weight	48 kg/m ²	48 kg/m ²	54 kg/m ²	48 kg/m ²
Depth	80 mm			
Viewed width of frame / leaf	150 mm	122.5 mm	150 mm	70 mm
Viewed width of standard bottom section	150 mm			
Optional bottom section height	105 mm			70, 105 mm
Rails	100 mm			
Crossed rails	○	○	○	○
Extension profiles	25, 50, 100, 150 mm	–	25, 50, 100, 150 mm	25, 50, 100, 150 mm

Size range

Nominal size (for version with frame)	Width	1285 – 2930 mm	–	–	–
	Height	1705 – 2965 mm	–	–	–
Overall frame dimension	Width	1355 – 3000 mm	1538 – 2810 mm	1355 – 3000 mm	Unlimited max. 4960 mm max. 4500 mm (with door)
	Height	1740 – 4000 mm	1710 – 2500 mm	1740 – 3000 mm	
Clear passage	Height	1670 – 3930 mm	1667 – 2457 mm	1670 – 2930 mm	–
	(90° opening) Width	1067 – 2712 mm	1316 – 2588 mm	1670 – 2712 mm	–
	(180° opening) Width	1215 – 2860 mm	1215 – 2725 mm	1215 – 1860 mm	–

Approved for fitting to

Brickwork	≥ 115	≥ 115	≥ 115	≥ 115
Concrete	≥ 100	≥ 100	≥ 100	≥ 100
Gas concrete	≥ 150	≥ 150	≥ 150	≥ 150
Partition walls	≥ 100	≥ 100	On request	≥ 100

Fittings

Overhead door closer TS 5000 with slide rail	●	–	●	–
Overhead door closer HDC 35 with slide rail	–	–	–	–
Integrated ITS 96 with slide rail	○	●	○	–
Aluminium 3-way adjustable hinges, 2-part	4	–	4	–
Aluminium 3-way adjustable hinges, 3-part	○	–	○	–
Hörmann guide rollers HRB	○	4	○	–
Aluminium lever handle set D116	●	●	●	–
Aluminium lever / knob handle set D116 with knob K160	○	○	○	–
Cylinder	○	○	○	–
Retractable bottom seal	○	○	○	–

Infills

F30 glass	●	●	–	●
F30 insulated glass	○	○	●	○
Panel	○	○	○	○
Glass / panel combination	○	○	○	○

In this price list from page

74

84

Aluminium fire-rated doors

With extensive glazing

T30 product overview, double-leaf and fixed glazing

T30



F30



Subject to changes

Aluminium fire-rated doors

Fire-retarding ready-to-fit door sets, tested and officially approved

Resistance class

Type	HE 321 Aluminium	HE 321 with aluminium frame without face, 2-part	HE 321 Aluminium	HE 331 Aluminium
Fire resistance class	T30	T30	T30	T30
Application area	Interior	Interior	Exterior	Interior
Performance characteristics according to EN 14351-1 / optional extras (see also page 54)				
Smoke protection acc. to DIN 18095	○	○	○	○
Break-in resistance equipment	RC2	RC2	RC2	RC 2, RC 3
Acoustic insulation	$R_{w,P}$ up to 42 dB	$R_{w,P}$ up to 42 dB	$R_{w,P}$ up to 42 dB	$R_{w,P}$ up to 44 dB
Escape door function	○	○	○	–
Escape door function with break-in resistance equipment RC 2	○	–	○	–
Thermal insulation (in $W/m^2 \cdot K$)			Up to $1.6 W/m^2 \cdot K$ *	
Resistance under wind load			Class C2 / B2	
Water tightness under heavy rain			Up to class 3A	
Air permeability			Up to Class 3	
Differential climate behaviour			Class 2(d) / 2(e)	
Operating forces			Class 2	–
In this price list from page		74		84

* depending on size and glazing

Note:

- Doors with steel frame or frame without face are only possible with the glazing bead arrangement on the hinge side (opening inwards)!

- = optional
- = standard

● Fast-track programme for HE 321 doors:

- Standard version in surface finish White (RAL 9016), optional surface finishes available in DB 703, E6 / EV 1, RAL 7016, RAL 9006 and RAL 9007
- With standard glazing and silver-coloured standard fittings
- Max. element height 2620 mm (with solid transom light 3000 mm)
- Max. element width 2500 mm, with 1 side element 3500 mm, with 2 side elements 4500 mm
- Marked accessories

● Fast-track programme for HE 331 transom lights and side elements:

- Transom lights max. 2600×1000 mm
- Side elements max. 1480×2620 mm as a single door set
- Transom lights delivered as a door set, side elements unconstructed:
 - Standard version in surface finish White (RAL 9016), optional surface finishes available in DB 703, E6 / EV 1, RAL 7016, RAL 9006 and RAL 9007
 - With standard glazing and silver-coloured standard fittings
 - Max. element height 2620 mm (with solid transom light 3000 mm)
 - Max. element width 2500 mm, with 1 side element 3500 mm, with 2 side elements 4500 mm
- Marked accessories

Aluminium fire-rated doors

With extensive glazing

Product overview



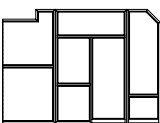


Subject to changes

Aluminium fire-rated doors

Fire-retarding ready-to-fit door sets, tested and officially approved

Resistance class

Type	HE 611, HE 911 Aluminium	HE 621 / HE 921 Aluminium	HE 631 / HE 931 Aluminium
			
Fire resistance class	T60 / T90	T60 / T90	F60 / F90
Application area	Interior	Interior	Interior
Approval number	T60 Z-6.20-1839 T90 Z-6.20-1966	Z-6.20-1839 Z-6.20-1966	Z-19.14-1667 Z-19.14-1591
Weight	T60: 57 kg/m², T90: 65 kg/m²		
Depth	80 mm		
Viewed width of frame / leaf	150 mm	150 mm	70 mm
Viewed width of standard bottom section	150 mm		
Optional bottom section height	105 mm	105 mm	70, 105 mm
Rails	100 mm		
Crossed rails	–		
Extension profiles	25, 50, 100, 150 mm	25, 50, 100, 150 mm	25, 50, 100, 150 mm

Size range

Overall frame dimension	Width	605 – 1500 mm	1355 – 2850 mm	Unlimited
	Height	1740 – 2800 mm	1740 – 2800 mm	max. 4500 mm max. 4000 mm (with door)
Clear passage	Height	1670 – 2730 mm	1670 – 2730 mm	–
	(90° opening) Width	391 – 1286 mm	1067 – 2562 mm	–
	(180° opening) Width	465 – 1360 mm	1215 – 2710 mm	–

Approved for fitting to

Brickwork	≥ 240	≥ 240	≥ 240
Concrete	≥ 140	≥ 140	≥ 140
Gas concrete	≥ 240	≥ 240	≥ 240
F90 partition walls	≥ 100	≥ 100	≥ 100

Fittings

Overhead door closer TS 5000 with slide rail	From RAM width 1271 mm	●	–
Overhead door closer HDC 35 with slide rail	Up to RAM width 1270 mm	–	–
Aluminium 3-way adjustable hinges, 2-part	–	–	–
Aluminium 3-way adjustable hinges, 3-part	3	6	–
Hörmann guide rollers HRB	○	○	–
Aluminium lever handle set D116	●	●	–
Aluminium lever / knob handle set D116 with knob K160	○	○	–
Cylinder	○	○	–
Retractable bottom seal	○	○	–

Infills

F60 / F90 glass	●	●	●
F60 / F90 panel	○	○	○
Glass / panel combination	○	○	○

Performance characteristics / optional extras

Smoke protection acc. to DIN 18095	○	○	–
Break-in resistance equipment	RC 2, RC 3	RC2	RC 2, RC 3
Acoustic insulation	R _{w,P} up to 43 dB	R _{w,P} up to 45 dB	R _{w,P} up to 43 dB
Escape door function	○	○	–
Escape door function with break-in resistance equipment RC 2	○	○	–
In this price list from page	94	96	102

Good reasons to try Hörmann steel tubular frame construction project doors



Particularly narrow door view

S-Line system

HÖRMANN

Aluminium smoke-tight door assemblies

With extensive glazing

Product overview



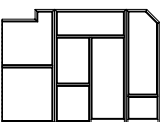


Subject to changes


Aluminium smoke-tight door assemblies

Smoke-tight, ready-to-fit door sets DIN 18095

Resistance class

Type	A / RS 150 Aluminium	A / RS 250 Aluminium	A / RS 350 Aluminium
			
Application area	Interior	Interior	Interior
Weight	20 kg/m²		
Depth	50 mm		
Viewed width of frame / leaf	150 mm	150 mm	70 mm
Viewed width of standard bottom section	150 mm		
Optional bottom section height	105 mm	105 mm	70, 105 mm
Rails	100 mm		
Crossed rails	○	○	○
Extension profiles	25, 50 mm	25, 50 mm	25, 50 mm

Size range

Nominal size	Width	535 – 1430 mm	1285 – 2930 mm	–
	Height	1705 – 2965 mm	1705 – 2965 mm	–
Overall frame dimension	Width	605 – 1500 mm	1355 – 3000 mm	 Unlimited max. 4500 mm
	Height	1740 – 3000 mm	1740 – 3000 mm	
Clear passage	Height	1670 – 2930 mm	1670 – 2930 mm	–
	(90° opening) Width	421 – 1316 mm	1127 – 2772 mm	–
	(180° opening) Width	465 – 1360 mm	1215 – 2860 mm	–

Approved for fitting to

Brickwork	≥ 115	≥ 115	≥ 115
Concrete	≥ 100	≥ 100	≥ 100
Gas concrete	≥ 150	≥ 150	≥ 150
Partition wall	≥ 100	≥ 100	≥ 100

Fittings

Overhead door closer TS 5000 with slide rail	From RAM width 1271 mm	●	–
Overhead door closer HDC 35 with slide rail	Up to RAM width 1270 mm	–	–
Integrated ITS 96 with slide rail	○	○	–
Aluminium 3-way adjustable hinges, 2-part	2	4	–
Aluminium 3-way adjustable hinges, 3-part	○	○	–
Hörmann guide rollers HRB	○	○	–
Aluminium lever handle set D116	●	●	–
Aluminium lever / knob handle set D116 with knob K160	○	○	–
Cylinder	○	○	–
Retractable bottom seal	●	●	–

Infills

Laminated safety glass, 6 or 8 mm	●	●	●
Insulated glass	○	○	○
Panel	○	○	○
Glass / panel combination	○	○	○

Optional extras

Acoustic insulation	R _{w,P} up to 37 dB	R _{w,P} up to 38 dB	R _{w,P} up to 42 dB
Escape door function	○	○	○

In this price list from page

110	114	122
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Aluminium smoke-tight door assemblies

With extensive glazing, insulated

Product overview





Subject to changes

Aluminium smoke-tight door assemblies

Smoke-tight, ready-to-fit door sets DIN 18095

Resistance class

Type	A / RS 100 Aluminium		A / RS 100 with aluminium frame without face, 2-part
			
Application area	Interior	Exterior	Interior
Weight	35 kg/m ²		
Depth	80 mm		
Viewed width of frame / leaf	150 mm	150 mm	122.5 mm
Viewed width of standard bottom section	150 mm		
Optional bottom section height	105 mm		
Rails	100 mm		
Crossed rails	○	○	○
Extension profiles	25, 50, 100, 150 mm	25, 50, 100, 150 mm	–

Size range

Nominal size (for version with frame)	Width	535 – 1430 mm	–	–
	Height	1705 – 2965 mm	–	–
Overall frame dimension	Width	605 – 1500 mm	605 – 1500 mm	788 – 1415 mm
	Height	1740 – 3000 mm	1740 – 3000 mm	1710 – 2500 mm
Clear passage	Height	1670 – 2930 mm	1670 – 2930 mm	1667 – 2457 mm
	(90° opening) Width	391 – 1286 mm	391 – 1286 mm	634 – 1261 mm
	(180° opening) Width	465 – 1360 mm	465 – 1360 mm	465 – 1330 mm

Approved for fitting to

Brickwork	≥ 115	≥ 115	≥ 115
Concrete	≥ 100	≥ 100	≥ 100
Gas concrete	≥ 150	≥ 150	≥ 150
Partition wall	≥ 100	On request	≥ 100

Fittings

Overhead door closer TS 5000 with slide rail	From RAM width 1271 mm	From RAM width 1271 mm	–
Overhead door closer HDC 35 with slide rail	Up to RAM width 1270 mm	Up to RAM width 1270 mm	–
Integrated ITS 96 with slide rail	○	○	●
Aluminium 3-way adjustable hinges, 2-part	2	2	–
Aluminium 3-way adjustable hinges, 3-part	○	○	–
Hörmann guide rollers HRB	○	○	2
Aluminium lever handle set D116	●	●	●
Aluminium lever / knob handle set D116 with knob K160	○	○	○
Cylinder	○	○	○
Retractable bottom seal	●	●	●

Infills

Insulated glass	●	●	●
Panel	○	○	○
Glass / panel combination	○	○	○

Performance characteristics in accordance with EN 14351-1 / optional extras

Break-in resistance equipment	RC 2, RC 3	RC 2, RC 3	RC 2, RC 3
Acoustic insulation	R _{w,P} up to 38 dB	R _{w,P} up to 38 dB	R _{w,P} up to 38 dB
Escape door function	○	○	○
Escape door function with break-in resistance equipment	○	○	–
Thermal insulation (in W/m ² ·K)		Up to 1.6 W/m ² ·K *	
Resistance under wind load		Class C3 / B3	
Water tightness under heavy rain		Up to class 5A	
Air permeability		Class 3	
Differential climate behaviour		Class 2(d) / 2(e)	
Operating forces		Class 3	

In this price list from page

128

Aluminium smoke-tight door assemblies

With extensive glazing, insulated

Product overview



Subject to changes

Aluminium smoke-tight door assemblies

Smoke-tight, ready-to-fit door sets DIN 18095

Resistance class

Type	A / RS 200 Aluminium		A / RS 200 with aluminium frame without face, 2-part	A / RS 300 Aluminium
Application area	Interior	Exterior	Interior	Interior
Weight	35 kg/m²			
Depth	80 mm			
Viewed width of frame / leaf	150 mm	150 mm	122.5 mm	70 mm
Viewed width of standard bottom section	150 mm			
Optional bottom section height	105 mm			70, 105 mm
Rails	100 mm			
Crossed rails	○	○	○	○
Extension profiles	25, 50, 100, 150 mm	25, 50, 100, 150 mm	–	25, 50, 100, 150 mm

Size range

Nominal size	Width	1285 – 2930 mm	–	–	–
(for version with frame)	Height	1705 – 2965 mm	–	–	–
Overall frame dimension	Width	1355 – 3000 mm	1355 – 3000 mm	1538 – 2810 mm	Unlimited max. 4500 mm
	Height	1740 – 3000 mm	1740 – 3000 mm	1710 – 2500 mm	
Clear passage	Height	1670 – 2930 mm	1670 – 2930 mm	1667 – 2457 mm	–
	(90° opening) Width	1067 – 2712 mm	1067 – 2712 mm	1316 – 2588 mm	–
	(180° opening) Width	1215 – 2860 mm	1215 – 2860 mm	1215 – 2725 mm	–

Approved for fitting to

Brickwork	≥ 115	≥ 115	≥ 115	≥ 115
Concrete	≥ 100	≥ 100	≥ 100	≥ 100
Gas concrete	≥ 150	≥ 150	≥ 150	≥ 150
Partition wall	≥ 100	On request	≥ 100	≥ 100

Fittings

Overhead door closer TS 5000 with slide rail	●	●	–	–
Overhead door closer HDC 35 with slide rail	–	–	–	–
Integrated ITS 96 with slide rail	○	○	●	–
Aluminium 3-way adjustable hinges, 2-part	4	4	–	–
Aluminium 3-way adjustable hinges, 3-part	○	○	–	–
Hörmann guide rollers HRB	○	○	4	–
Aluminium lever handle set D116	●	●	●	–
Aluminium lever / knob handle set D116 with knob K160	○	○	○	–
Cylinder	○	○	○	–
Retractable bottom seal	●	●	●	–

Infills

Insulated glass	●	●	●	●
Panel	○	○	○	○
Glass / panel combination	○	○	○	○

In this price list on page

132

142

Note:

- Doors with steel frame or frame without face are only possible with the glazing bead arrangement on the hinge side (opening inwards)!

○ = optional
● = standard

Aluminium smoke-tight door assemblies

With extensive glazing, insulated

Product overview



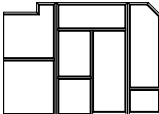


Subject to changes

Aluminium smoke-tight door assemblies

Smoke-tight, ready-to-fit door sets DIN 18095

Resistance class

Type	A / RS 200 Aluminium		A / RS 200 with aluminium frame without face, 2-part	A / RS 300 Aluminium
				
Application area	Interior	Exterior	Interior	Interior
Performance characteristics in accordance with EN 14351-1 / optional extras				
Break-in resistance equipment	RC2	RC2	RC2	RC 2, RC 3
Acoustic insulation	$R_{w,P}$ up to 40 dB	$R_{w,P}$ up to 40 dB	$R_{w,P}$ up to 40 dB	$R_{w,P}$ up to 45 dB
Escape door function	○	○	○	–
Escape door function with break-in resistance equipment RC 2	○	○	–	–
Thermal insulation (in $W/m^2 \cdot K$)		Up to 1.6 $W/m^2 \cdot K$ *		
Resistance under wind load		Class C2 / B2		
Water tightness under heavy rain		Up to class 3a		
Air permeability		Class 3		
Differential climate behaviour		Class 2(d) / 2(e)		
Operating forces		Class 2		
In this price list on page		132		142

Note:

- Doors with steel frame or frame without face are only possible with the glazing bead arrangement on the hinge side (opening inwards)!

○ = optional
● = standard

* depending on size and glazing

Steel fire-rated doors





With extensive glazing

Product overview

T30



Subject to changes

Steel fire-rated doors					
Fire-retarding and smoke-tight, ready-to-fit door sets, tested and officially approved					
Resistance class		T30 fire-retarding and smoke-tight			
Type		HL 310 Steel	HL 310 S-Line	HL 320 Steel	HL 320 S-Line
Doors with glazing and / or panels		Galvanized steel profiles		Galvanized steel profiles	
					
Rails	Glass-dividing	105	90	105	90
Extensions		63, 127, 190	59, 116, 174	63, 127, 190	59, 116, 174
Size range					
Nominal size (With frame type)	Width	499 – 1485 mm	499 – 1485 mm	1249 – 2844 mm	1249 – 2844 mm
	Height	1687 – 2278 mm	1687 – 2278 mm	1687 – 2278 mm	1687 – 2278 mm
Overall frame dimension	Width	605 – 1600 mm	567 – 1562 mm	1355 – 3050 mm	1317 – 3012 mm
	Height	1740 – 3020 mm	1721 – 3001 mm	1740 – 3020 mm	1721 – 3001 mm
Clear passage	Width	437 – 1432 mm	437 – 1432 mm	1187 – 2882 mm	1187 – 2882 mm
	Height	1656 – 2936 mm	1656 – 2930 mm	1656 – 2836 mm	1656 – 2836 mm
Approved for fitting to					
Brickwork		≥ 115	≥ 115	≥ 115	≥ 115
Concrete		≥ 100	≥ 100	≥ 100	≥ 100
Gas concrete		≥ 150	≥ 150	≥ 150	≥ 150
F90 partition walls		≥ 100	≥ 100	≥ 100	≥ 100
Door bottom edge					
Semi-circular threshold		●	●	●	●
Retractable bottom seal		●	●	●	●
Additional functions					
Smoke-tight acc. to DIN 18095		○	○	○	○
Acoustic-rated acc. to DIN EN ISO 140-3, 717-1		R _{w,P} = 42 dB	R _{w,P} = 42 dB	R _{w,P} = 42 dB	R _{w,P} = 42 dB
Break-in-resistant according to DIN EN 1627		RC 2	RC 2	RC 2	RC 2
Infills					
Glass		●	●	●	●
Panel		●	●	●	●
Glass / panel combination		●	●	●	●
Approval number					
		Z-6.20-2148	Z-6.20-2148	Z-6.20-2148	Z-6.20-2148
In this price list from page		240		242	

○ = optional

● = standard

Steel fire-rated doors

With extensive glazing

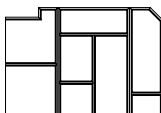
Product overview

F30

g30



Subject to changes

Steel fire-rated doors			
Fire-retarding and smoke-tight, ready-to-fit door sets, tested and officially approved			
Resistance class		F30 fire-retarding and smoke-tight	
Type		HL 330 Steel	HL 330 S-Line
Doors with glazing and / or panels		Galvanized steel profiles	Galvanized steel profiles
			
Rails	Glass-dividing	105	90
Extensions		63, 127, 190	59, 116, 174
Size range			
Nominal size (With frame type)	Width		
	Height	max. 3500 ¹⁾	max. 3500 ¹⁾
Overall frame dimension	Width	Unlimited	Unlimited
	Height	max. 4500 ²⁾	max. 4500 ²⁾
Clear passage	Width	–	–
	Height	–	–
Approved for fitting to			
Brickwork		≥ 115	≥ 115
Concrete		≥ 100	≥ 100
Gas concrete		≥ 150	≥ 150
F90 partition walls		≥ 100	≥ 100
Door bottom edge			
Semi-circular threshold		–	–
Retractable bottom seal		–	–
Additional functions			
Smoke-tight acc. to DIN 18095		●	●
Acoustic-rated acc. to DIN EN ISO 140-3, 717-1		R _{w,P} = 44 dB	R _{w,P} = 44 dB
Break-in-resistant according to DIN EN 1627		RC 2	RC 2
Infills			
Glass		●	●
Panel		●	●
Glass / panel combination		●	●
Approval number			
		Z-19.14-1037	Z-19.14-1037
In this price list on page		248	

1) Door with top part

2) As glazing without door 4960 mm RAM, as glazing with door 4500 mm RAM

○ = optional

● = standard

Note:

Maximum profile length for vertical / horizontal profile constructions is 5800 mm

Steel fire-rated doors

With extensive glazing

Product overview

T90

F90



Subject to changes

Steel fire-rated doors

Fire-proof and smoke-tight, ready-to-fit door sets, tested and officially approved.

Resistance class T90 / F90 fire-proof

Type	HL 910 F Steel	HL 920 F Steel	HL 930 F Steel
Doors and fixed elements with glazing			
Doors can be combined with fixed elements, with any rail division			
Chamfers	–	–	●
Norman arches	–	–	●
Recesses	–	–	●
Angles	–	–	–
Extensions	●	●	●
Size range			
Nominal size	Width	1600	2530
	Width with side element	3540	4540
	Height	2590	2610
	Height with transom light	4020	4020
	Height with transom light and side element	3520	3520
Overall frame dimension	Width	700 – 1560	1400 – 2490
	Width with side element	3500	4500
	Height	2570	2570
	Height with transom light	4000	4000
	Height with transom light and side element	3500	3500
Clear passage	Width	560 – 1400	1260 – 2350
	Height	1655 – 2500	1655 – 2500
Door leaf			
Depth	70	70	70
View	130	130 / 150	70 / 90
Bottom section height	70 – 190	70 – 190	70 – 190
Approved for fitting to			
Brickwork	≥ 240	≥ 240	≥ 240
Concrete	≥ 140	≥ 140	≥ 140
Gas concrete	≥ 240	≥ 240	≥ 240
F90 partition walls	≥ 100	≥ 100	≥ 100
Infills			
Pyrostop 90 – 102 max.	1354 × 2370	1354 × 2370	1350 × 2800
Pyrostop Aestuvert panel (only for door leaf)	1304 × 2184	1304 × 2184	
Glass insert	Wet glazing NV	●	●
	Dry glazing TV	●	●
Approval number			
	Z-6.20-1881	Z-6.20-1881	Z-19.14-1973
In this price list from page		258	262

- = optional
● = standard

Steel smoke-tight door assemblies

With extensive glazing





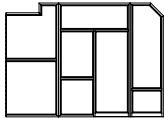
Product overview



Subject to changes

Steel smoke-tight door assemblies

Smoke-tight, ready-to-fit door sets DIN 18095

Type		S/RS 100 Steel	S/RS 100 S-Line	S/RS 200 Steel	S/RS 200 S-Line	S/RS 300 Steel	S/RS 300 S-Line
Doors with glazing and /or panels		Galvanized steel profiles 	Galvanized steel profiles 	Galvanized steel profiles 	Galvanized steel profiles 	Galvanized steel profiles 	Galvanized steel profiles
Rails	Glass-dividing	105	90	105	90	105	90
Chamfers, recesses, angles		—	—	—	—	•	•
Extensions		63, 127, 190	59, 116, 174	63, 127, 190	59, 116, 174	63, 127, 190	59, 116, 174
Size range							
Nominal size (mm) (With frame type)	Width	539 – 1434	539 – 1434	1251 – 2786	1251 – 2786	—	
	Height	1707 – 2968	1707 – 2968	1707 – 2968	1707 – 2968	4000 *	
Overall frame dimension (mm)	Width	643 – 1538	605 – 1500	1355 – 2890	1317 – 2852	Unlimited	
	Height	1759 – 3020	1740 – 3001	1759 – 3020	1740 – 3001	Observe statics	
Clear passage (mm)	Width	475 – 1370	475 – 1370	1187 – 2722	1187 – 2722	—	
Fascia frame	Height	1675 – 2936	1675 – 2936	1675 – 2936	1675 – 2936	—	
Clear passage (mm)	Width	475 – 1370	475 – 1370	1187 – 2722	1187 – 2722	—	
Steel frame	Height	1675 – 2936	1675 – 2936	1675 – 2936	1675 – 2936	—	
For fitting to							
Brickwork		≥ 115	≥ 115	≥ 115	≥ 115	≥ 115	≥ 115
Concrete		≥ 100	≥ 100	≥ 100	≥ 100	≥ 100	≥ 100
Gas concrete		≥ 150	≥ 150	≥ 150	≥ 150	≥ 150	≥ 150
F 90 partition walls		≥ 100	≥ 100	≥ 100	≥ 100	≥ 100	≥ 100
Door bottom edge							
Semi-circular threshold		•	•	•	•	—	—
Retractable bottom seal		•	•	•	•	—	—
Additional functions							
Acoustic insulation DIN EN ISO 140-3, 717-1		R _{w,P} = 42 dB	R _{w,P} = 42 dB	R _{w,P} = 42 dB	R _{w,P} = 42 dB	R _{w,P} = 44 dB	R _{w,P} = 44 dB
Break-in-resistant DIN EN 1627		RC 2	RC 2	RC 2	RC 2	RC 2	RC 2
Infills							
Glass		•	•	•	•	•	•
Panel		•	•	•	•	•	•
Glass / panel combination		•	•	•	•	•	•
In this price list from page		270		272		278	

* Door with top part

Note:

Maximum profile length for vertical / horizontal profile constructions is 5800 mm

Tubular frame construction project doors



Classification / performance characteristics

Subject to changes

Performance characteristics and product features

In Germany, fire-rated doors are regulated by the following standards:

- Internal doors: DIN 4102 (national regulation)
- External doors: DIN EN 16034 and DIN EN 14351-1 (European regulation)

Fire resistance classes acc. to DIN 4102 and DIN EN 13501:

Fire-rated doors are divided into fire resistance classes based on their fire resistance duration.

The classification rules for Germany are currently regulated by the German standard DIN 4102 and the European standard DIN EN 13501-2.

Building inspection requirements for door bottom edges	Classification for Germany			Performance characteristics for Europe	
	Internal doors			Without smoke protection	With smoke protection
	Fire resistance duration (minutes)	Fire resistance class (DIN 4102)	Smoke protection (DIN 18095)		
Fire-retarding	≥ 30	T30	–	El ₂ 30-S _a -C5	
High fire resistance	≥ 60	T60	–	El ₂ 60-S _a -C5	
Fire-proof	≥ 90	T90	–	El ₂ 90-S _a -C5	
Fire-retarding and smoke-tight	≥ 30	T30	RS		El ₂ 30-S ₂₀₀ -C5
High fire resistance and smoke-tight	≥ 60	T60	RS		El ₂ 60-S ₂₀₀ -C5
Fire-proof and smoke-tight	≥ 90	T90	RS		El ₂ 90-S ₂₀₀ -C5
Sealed			–		S _a
Sealed and self-closing			–		S _a -C5
Smoke-tight and self-closing			RS		S ₂₀₀ -C5

Classification of European fire-rated doors



El ₂ 30-S _a -C5	Fire protection 30 minutes / sealed / self-closing
El ₂ 60-S _a -C5	Fire protection 60 minutes / sealed / self-closing
El ₂ 90-S _a -C5	Fire protection 90 minutes / sealed / self-closing
El ₂ 30-S ₂₀₀ -C5	Fire protection 30 minutes / smoke-tight / self-closing
El ₂ 60-S ₂₀₀ -C5	Fire protection 60 minutes / smoke-tight / self-closing
El ₂ 90-S ₂₀₀ -C5	Fire protection 90 minutes / smoke-tight / self-closing

Note on complete construction product for external doors:

External doors may only be placed on the market as a fully functional product.

A complete product consists of a door set (door leaf + frame) and fittings (hinges, lock, lever handle, profile cylinder, closing devices, seals, lock plate, as well as glazings). If fittings are omitted and the tested performance characteristics required by the respective regulations are not met as a result, the product may not be provided with a "CE marking" and placed on the market.



In the planning, dimensioning and execution of tubular frame construction project doors, building law requirements must be observed which are based on laws and regulations such as the state building regulations (LBO) with lists of technical building regulations.



Performance characteristics and product features acc. to DIN 16034



Fire protection

- Fire protection refers to the ability of a door to maintain the partition and thermal insulation for a certain amount of time in the event of a fire
- The fire resistance duration is determined in tests in accordance with DIN EN 1634-1

The classification is carried out in accordance with DIN EN 13501-2 with the following designations:

Classification	Description
E	Partition
I₂	Thermal insulation (in the case of fire-rated doors with index 2)
30 / 60 / 90	Resistance duration in minutes

Partition (E)

- Ability of the fire protection element to prevent the passage of flames

Thermal insulation (I)

- Ability of the fire protection element to limit the surface temperature rise in relation to the initial temperature on the side facing away from the fire to max. 140 K on average at certain measuring points or max. 180 K / 360 K at individual measuring points.
- The indices, e.g. 2, stand for the different position of the measuring point under evaluation.



Smoke-tightness

- Smoke-tightness refers to the ability of the smoke protection element to reduce the passage of smoke with an air pressure of up to 50 Pa to an approved leakage rate.
- The leakage rate is the essential parameter for the tightness of a smoke-tight door and must not exceed 20 m³/h for single-leaf doors and 30 m³/h for double-leaf doors.

The classification is carried out in accordance with DIN EN 13501-2 with the following designations:

Classification	Description	Testing
S_a	Sealed with seal on 3 sides	Testing at room temperature
S₂₀₀	Smoke protection with seal on 4 sides (bottom edge profile)	Testing at room temperature and at 200°C smoke gas temperature in the test chamber.

S_a

S₂₀₀

- If smoke protection is required, please specify on the order.
- Use a locking cylinder



Self-closing (C)

- Self-closing is the ability of an open door to close fully and automatically using stored energy. Self-closing may also be carried out by an electrical current if this is ensured thanks to stored energy in the event of a power failure.
- The property should be classified as "C"
- Depending on the result of a test of the durability of the self-closing function compared to the quality loss, the classification can be supplemented by a number from 0 to 5.

Tubular frame construction project doors

Notes



Subject to changes

Performance characteristics and product features acc. to DIN 14351-1

⚠ The performance characteristics only apply with the corresponding equipment!

The use of tubular frame construction project doors as an external door is possible. However, project-related performance characteristics, e.g. with regard to resistance to wind, water tightness under heavy rain, transmission of heat, differential climate behaviour, ability to release and air permeability, may not be met depending on the equipment, accessories and door version!

Performance characteristics can therefore only be specified to a limited extent.

In many cases, construction measures (e.g. protected fitting position due to canopy and / or side fascia, walkway or without direct weathering) can be used to reduce the requirement profile of external doors.

Fitting position

- No weathering (e.g. underground garage, stairwells in multi-storey car parks, etc.)
- Protected fitting position – door is protected against the weather due to a canopy and / or side fascia, walkway
- Unprotected fitting position – door is directly exposed to the weather



Water tightness under heavy rain

- Tested in accordance with DIN 1027
- The water tightness under heavy rain is described with classes 1A to a maximum of 9A
- The higher the class, the higher the tightness of external doors against rainwater penetrating the room side
- Bottom edge mandatory for water tightness under heavy rain



Thermal insulation

- The U_D value is the thermal insulation value in $W/(m^2 \cdot K)$ and describes the transmission heat losses via the door
- All specified values according to DIN ISO 10077-1
- For thermal insulation, bottom edge and profile cylinder are mandatory

Differential climate behaviour

- External doors are subject to differential climatic loads due to their intended use, i.e. different climatic conditions prevail on the outside and inside of the component.
- Furthermore, higher component temperatures can cause moisture to escape in the form of increased water vapour volumes or liquid.
- The moisture does not only escape from the surfaces, but can also accumulate on the construction itself, usually at the interfaces between different materials, for example on metal separating layers or plastic films.

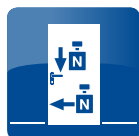


Resistance under wind load

- Tested in accordance with EN 12211
- External doors should also be able to withstand strong wind. The higher the door, the higher the wind load. The wind load to which an external door is exposed also depends on the location of the building.
- Doors are classified according to their wind resistance by means of a combination of letters and numbers, with the letter representing the relative frontal deflection class and the number representing the wind load class.
- For resistance to wind load, a bottom edge is mandatory

Air permeability

- The information on air-tightness of external doors makes it possible to determine the ventilation heat losses of buildings in the course of thermal verification.
- Local leaks are not assessed separately according to the test standard
- Bottom edge and profile cylinder are mandatory!



Operating forces

- Depending on their intended use, external doors must also be able to be operated by children, elderly people or people with disabilities without any further problems, i.e. they must be able to be opened and closed. For this reason, suitable measures must be taken to ensure that the operating forces or the occurring torques are permanently guaranteed.
- The operating force describes the forces and torques required for opening and closing doors as well as the torque required for locking and closing the door sets by actuating the lock. For doors this can be the knob, in the case of manual operation the lever handle and in the case of finger operation the key shaft (grip of the key).
- Profile cylinder mandatory!



Mechanical strength

- Tested in accordance with DIN EN 14608 and DIN EN 14609
- The mechanical strength results from the vertical load and static distortion. This includes unintentionally applying a load to the door leaf, for example by holding it in place during cleaning.
- Torsional loads caused by stopping, trapped or blocked door leaves are also taken into account.



Notes

Subject to changes

Important notes for fire-rated doors with further performance characteristics

dB

Acoustic-rated door sets in accordance with DIN EN ISO 717-1

- Acoustic insulation is only possible with correct planning and execution. The overall acoustic insulation is dependent on the surrounding structural components.
- Use a locking cylinder.
- The acoustic insulation of the wall and door must be derived separately, as it cannot be assumed from the assessed acoustic rating R_W or R of the door alone.
- All of the indicated acoustic values are laboratory values.
- Calculation for acoustic rating achievable on-site: laboratory value – 5 dB for doors / – 2 dB for fixed glazing.
- The stated values are only possible if fitted correctly in accordance with the current version of the fitting instructions.
- Threshold rails with seals are not approved for escape and rescue routes and cannot be used in hospitals and nursing homes.

RC

Break-in-resistant door sets according to DIN EN 1627

RC 2

Resistance time: 3 minutes

The burglar uses additional simple tools, such as screwdriver, pliers and wedge, to break open the closed and locked door.

RC 3

Resistance time: 5 minutes

The burglar additionally uses a second screwdriver and a crowbar to break open the closed and locked door.



Important!

An overhead door closer is mandatory for smoke-tight doors! (If not already included.) Selection of a bottom edge is mandatory for smoke protection and acoustic insulation!

Good reasons to try Hörmann aluminium tubular frame construction project doors



Up to
55 mm
wider clear
passage width

Elegant door view without visible frame face

Frame without face

* compared to door version with fascia frame

HÖRMANN

Product descriptions

for aluminium tubular frame parts

Contents



Product description – aluminium tubular frame parts		From page
T30 / EI₂30		
	Hollow profiled section doors – for interior use	24
HE 311 (single-leaf)	Hollow profiled section doors – for exterior use	26
HE 321 (double-leaf)	With steel frame, for interior use	28
	With frame without face, for interior use	30
F30 HE 331	For use as transom light, side element or fixed glazing in interiors and exteriors	33
T60 / T90		
T60 / T90-1 door HE 611, HE 911	Single-leaf	34
T60 / T90-1 door HE 621, HE 921	Double-leaf	
Technical drawings		35



Product description		From page
Smoke-tight door assemblies		
A / RS 150 door	Single-leaf	36
A / RS 250 door	Double-leaf	36
A / RS 350 glazing		38
Technical drawings		37
Insulated smoke-tight door assemblies		
A / RS 100 door	Single-leaf	40
A / RS 200 door	Double-leaf	40
A / RS 300 glazing		42
Technical drawings		45

Aluminium fire-rated tubular frame construction project doors

Hollow profiled section doors – for interior use

Product description HE 311 (single-leaf) and HE 321 (double-leaf)

● Fast-track programme for aluminium fire-rated tubular frame construction project doors:

- Standard version with white surface (RAL 9016), optional surface finishes anodised EV 1, RAL 7016, RAL 9006, RAL 9007 and DB 703, with standard glazing and silver-coloured standard fittings.
- Marked accessories
- HE 311 (single-leaf):
 - Max. element height 2620 mm (with solid transom light 3000 mm)
 - Max. element width 1500 mm, with 1 side element 2480 mm, with 2 side elements 3460 mm
- HE 321 (double-leaf):
 - Max. element height 2620 mm (with solid transom light 3000 mm)
 - Max. element width 2500 mm, with 1 side element 3500 mm, with 2 side elements 4500 mm

Note: max. delivery time 15 business days

Product description HE 311 (single-leaf) and HE 321 (double-leaf)

Fire-retarding and ready-to-fit door set for **interiors**. Tested and officially approved for fitting to brickwork, concrete, gas concrete and partition walls.

Each door assembly will be individually manufactured according to measurements.

Standard version

(Special equipment subject to surcharge)

① Hinges and closing devices

- Aluminium 3-way adjustable hinges, 2-part version, three-way adjustable, single-leaf: min. 2 units, double-leaf: min. 4 units
- Security bolt: single-leaf: 2 units, double-leaf: 4 units
- Single-leaf: overhead door closer with slide rail acc. to DIN EN 1154
Double-leaf: 2 overhead door closers with slide rail acc. to DIN EN 1154 with integrated door leaf selector

② Fittings

- Tubular frame mortice lock prepared for profile cylinder (31.5/65.5), rose escutcheon thickness 7 mm
- With aluminium lever handle set offset on both sides, with steel core, including lever handle rose escutcheons
- For double-leaf doors: fixed leaf with rebate locking bolt and switch latch (at top)

③ Seals

- All-round door seals on 3 sides
- All-round glazing seals in glass rebate

④ Design

- Aluminium tubular frame made of extrusion profiles according to DIN 1725
- Double-shell with thermal insulation through a quality-assured, shear-resistant composite of 6.6 polyamide, 25% fibre glass-reinforced

⑤ Visible surfaces

- Aluminium profiles powder-coated or anodised
- Flush-fitting
- Viewed width of frame and leaf 150 mm
- Bottom section height 150 mm, optional 105 mm
- Depth 80 mm

⑥ Glazing

- Fire-proof glass F30, suitable as standard for internal applications
- Glazing bead on hinge side, on request on opposite hinge side
- Weight with standard glazing approx. 48 kg/m²

Size range (overall frame dimensions)

Single-leaf:

- Min. 605 × 1740 mm
- Max. 1500 × 4000 mm

Double-leaf:

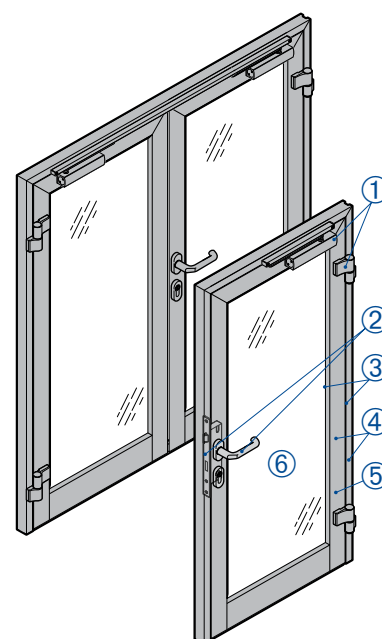
- Min. 1355 × 1740 mm
- Max. 3000 × 4000 mm
- Traffic leaf width 750 – 1500 mm
- Fixed leaf width 500 – 1500 mm

► Note the minimum overall width!

Note:

Doors with RAM height > 2352 mm require a fourth fixing point. From RAM height > 3000 mm top locking is required.

Max. 4 horizontal rails possible.



RS	dB	RC 2	RC 3	Optional performance characteristics (Optional extras required in some cases here)	Accessories required for performance characteristic
				Smoke protection acc. to DIN 18095	Optional Bottom seals, see from page 177
				Acoustic insulation	R _{w,P} up to 42 dB Glass, see page 173
				Break-in resistance equipment	RC 2, RC 3 RC 2, RC 3 security features, see from page 178
				Accessories	From page 171
				Escape door function	Optional Accessories from page 179
				Escape door function with break-in resistance equipment RC 2	Optional RC 2 security features from page 179

Technical drawings HE 311 and HE 321

Hollow profiled section doors – for interior use

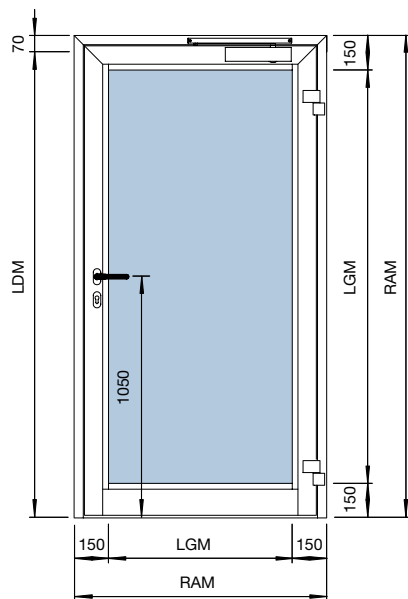
T30



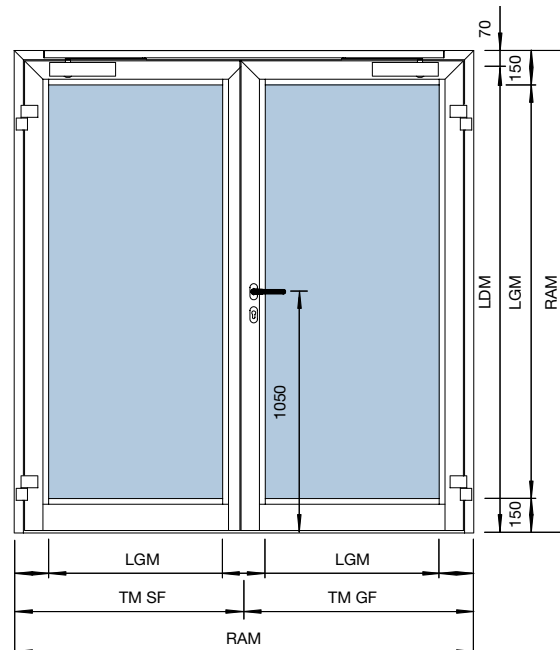
Subject to changes

Product description
Aluminium

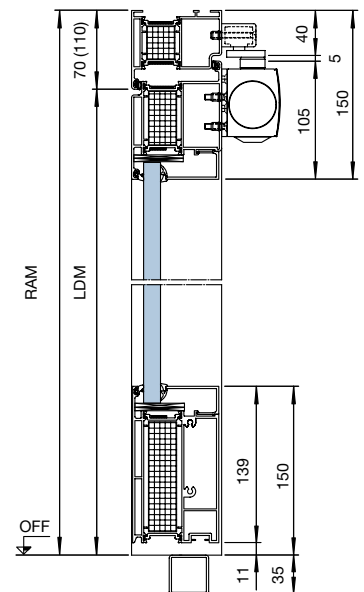
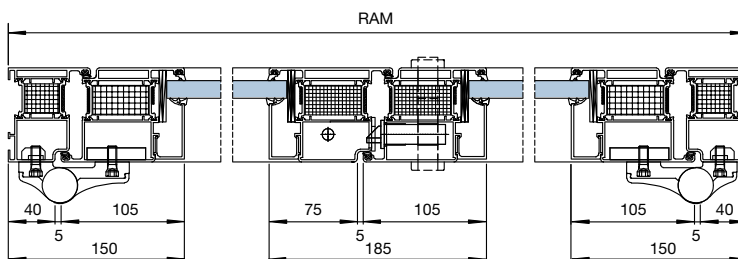
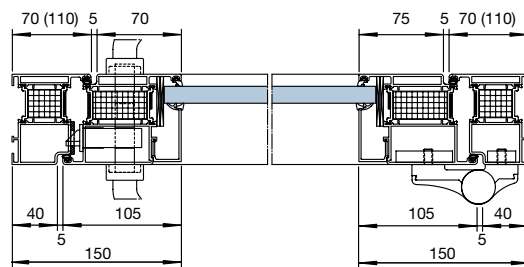
HE 311 aluminium



HE 321 aluminium



HE 311/321 aluminium



Technical drawings

- Deduction dimensions for calculating the clear passage
- Fitting methods for brickwork, concrete, gas concrete, partition walls

See page 48

See from page 50

LDM	Clear passage dimension
LGM	Clear glass dimensions
OFF	Finished floor level
RAM	Overall frame dimension

Aluminium fire-rated tubular frame construction project doors

Hollow profiled section doors – for exterior use



Product description HE 311 (single-leaf) and HE 321 (double-leaf)

Product description HE 311 (single-leaf) and HE 321 (double-leaf)

Fire-retarding and smoke-tight, ready-to-fit door set for **external applications**. Tested and officially approved for fitting to brickwork, concrete, gas concrete and partition walls.

Each door assembly will be individually manufactured according to measurements.

Standard version

(Special equipment subject to surcharge)

① Hinges and closing devices

- Aluminium 3-way adjustable hinges, 2-part version, three-way adjustable, single-leaf: min. 2 units, double-leaf: min. 4 units
- Security bolt: single-leaf: 2 units, double-leaf: 4 units
- Single-leaf: overhead door closer with slide rail acc. to DIN EN 1154
- Double-leaf: 2 overhead door closers with slide rail acc. to DIN EN 1154 with integrated door leaf selector

② Fittings

- Tubular frame mortice lock prepared for profile cylinder (31.5/65.5), rose escutcheon thickness 7 mm
- With aluminium lever handle set offset on both sides, with steel core, including lever handle rose escutcheons
- For double-leaf doors:
Fixed leaf: rebate locking bolt and switch latch, locking at top and bottom as standard, two electric strikes required if necessary
Traffic leaf: From RAM > 2150 mm with top locking, alternatively multiple-point locking (automatic)

③ Seals

- All-round door seals on 3 sides
- All-round glazing seals in glass rebate
- Threshold rail with thermal break with double lip seal in floor area

④ Design

- Aluminium tubular frame made of extrusion profiles acc. to DIN 1725
- Double-shell with thermal insulation through a quality-assured, shear-resistant composite of 6.6 polyamide, 25% fibre glass-reinforced, as well as through inserted silicate boards

⑤ Visible surfaces

- Aluminium profiles powder-coated or anodised
- Flush-fitting
- Viewed width of frame and leaf 150 mm
- Bottom section height 150 mm, optionally 105 mm (105 mm bottom section height not possible with threshold with thermal break)
- Depth 80 mm

⑥ Glazing

- Insulated fire-proof glass F30, suitable as standard for outdoor use
- Glazing bead on hinge side, on request on opposite hinge side
- Weight with standard glazing approx. 54 kg/m²

Size range (overall frame dimensions)

Single-leaf:

- Min. 605 × 1740 mm
- Max. 1500 × 3000 mm

Double-leaf:

- Min. 1355 × 1740 mm
- Max. 3000 × 3000 mm
- Traffic leaf width 750 – 1500 mm
- Fixed leaf width 500 – 1500 mm

► **Hold-open devices and operators are not possible for external doors!**

► **Note the minimum overall width!**

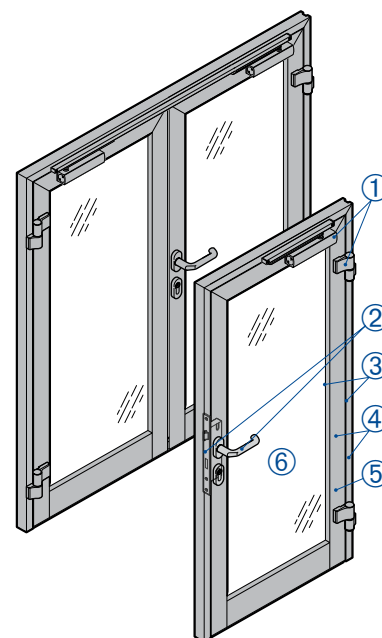
Note:

For doors with RAM height > 2150 mm, the traffic leaf must be equipped with top locking.

If the traffic leaf is equipped with a lock (multiple-point locking, automatic), top locking is not required.

A fourth fixing point is required from a door height of RAM 2352 mm.

Max. 2 horizontal rails possible



Optional performance characteristics (Optional extras required in some cases here)		Accessories required for performance characteristic
RS	dB	RC 2
RC 3		
Smoke protection acc. to DIN 18095		
Optional		Bottom seals, see from page 177
Acoustic insulation		R _{w,P} up to 40 dB
Thermal insulation		Up to 1.6 W/m ² K
Water tightness under heavy rain		Up to class 5A
Break-in resistance equipment		RC 2, RC 3
Accessories		RC 2, RC 3 security features, see from page 178
Escape door function		Optional
Escape door function with break-in resistance equipment RC 2		Optional
		From page 171
		Accessories from page 179
		RC 2 security features from page 179

Technical drawings HE 311 and HE 321

Hollow profiled section doors – for exterior use

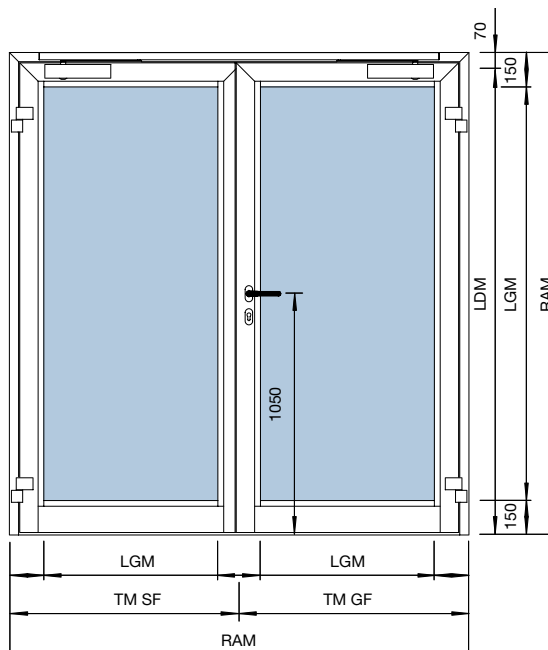
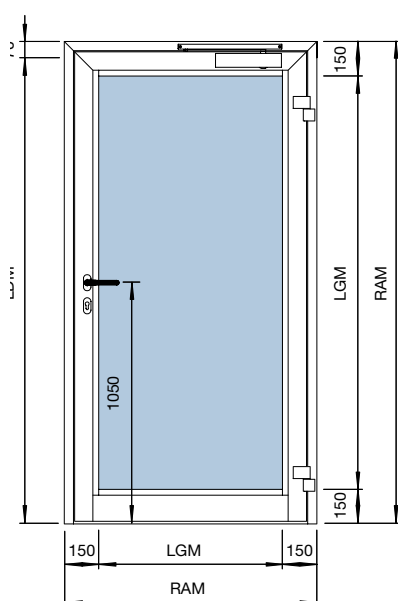
T30



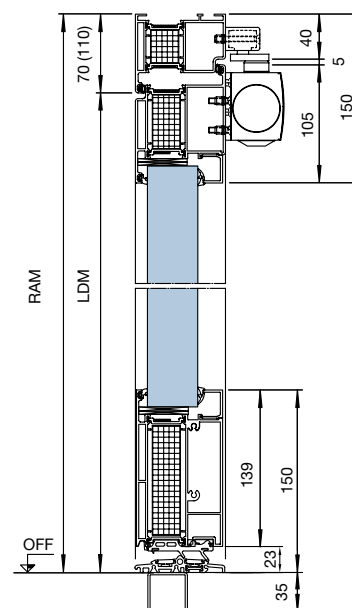
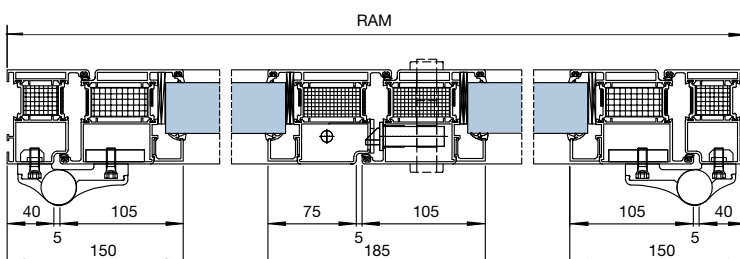
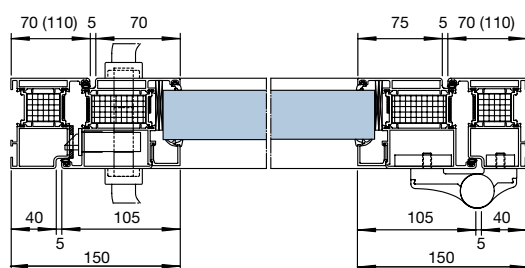
Subject to changes

HE 311 aluminium

HE 321 aluminium



HE 311/321 aluminium



Technical drawings

- Deduction dimensions for calculating the clear passage
- Fitting methods for brickwork, concrete, gas concrete, partition walls

See page 48

See from page 50

LDM Clear passage dimension
LGM Clear glass dimensions
OFF Finished floor level
RAM Overall frame dimension

TM GF Traffic leaf division
TM SF Fixed leaf division

Aluminium fire-rated tubular frame construction project doors

With steel frame, for interior use

Product description HE 311 (single-leaf) and HE 321 (double-leaf)



Product description HE 311 (single-leaf) and HE 321 (double-leaf)

Fire-retarding and ready-to-fit door set for **interiors**. Tested and officially approved for fitting to brickwork, concrete, gas concrete and partition walls.

Each door assembly will be individually manufactured according to measurements.

Standard version

(Special equipment subject to surcharge)

① Hinges and closing devices

- Aluminium 3-way adjustable hinges, 2-part version, three-way adjustable, single-leaf: min. 2 units, double-leaf: min. 4 units
- Security bolt: single-leaf: 2 units, double-leaf: 4 units
- Single-leaf: overhead door closer with slide rail acc. to DIN EN 1154
- Double-leaf: 2 overhead door closers with slide rail acc. to DIN EN 1154 with integrated door leaf selector

② Fittings

- Tubular frame mortice lock prepared for profile cylinder (31.5 / 65.5), rose escutcheon thickness 7 mm
- With aluminium lever handle set offset on both sides, with steel core, including lever handle rose escutcheons
- For double-leaf doors: fixed leaf with rebate locking bolt and switch latch (at top)

③ Seals

- All-round door seals on 3 sides
- All-round glazing seals in glass rebate

④ Design

- Leaf made of aluminium extrusion profiles acc. to DIN 1725, frame made of steel
- Double-shell leaf profile with thermal insulation through a quality-assured, shear-resistant composite of 6.6 polyamide, 25% fibre glass-reinforced, as well as through inserted silicate boards
- Frame type can be corner frame or double-shell profile frame
- Mortar-free fitting

⑤ Visible surfaces

- Aluminium profiles powder-coated or anodised, frame primed in colour based on RAL 7035 (optionally powder-coated)
- Flush-fitting on hinge side
- Viewed width of frame and leaf 160 mm
- Bottom section height 150 mm, optional 105 mm
- Leaf depth 80 mm

⑥ Glazing

- Fire-proof glass F30, suitable as standard for internal applications
- Glazing bead on hinge side
- Weight with standard glazing approx. 48 kg/m²

Size range (overall frame dimensions)

Single-leaf:

- Min. 535 × 1705 mm
- Max. 1430 × 2965 mm
- Including transom light max. 1430 × 3500 mm

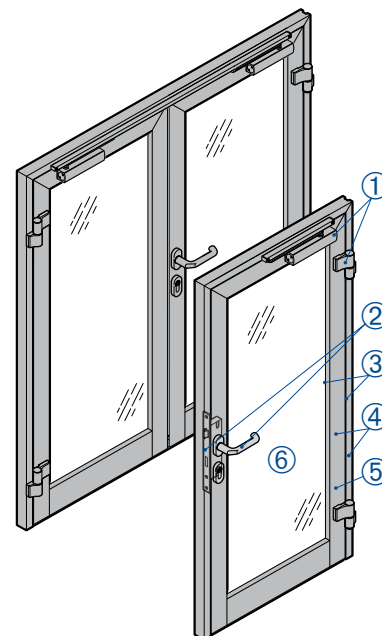
Double-leaf:

- Min. 1285 × 1705 mm
- Max. 2930 × 2965 mm
- Traffic leaf width 750 – 1465 mm
- Fixed leaf width 500 – 1465 mm
- Including transom light max. 2930 × 3500 mm

► Note the minimum overall width!

Note:

Max. 2 horizontal rails possible



Optional performance characteristics (Optional extras required in some cases here)				Accessories required for performance characteristic
RS	dB	RC 2	RC 3	
Smoke protection acc. to DIN 18095		Optional		Bottom seals, see from page 177
Acoustic insulation		R _{w,P} up to 42 dB		Glass, see page 173
Break-in resistance equipment		RC 2, RC 3		RC 2, RC 3 security features, see from page 178
Escape door function		Optional		Accessories from page 179
Accessories				From page 171

Technical drawings HE 311 and HE 321

With steel frame

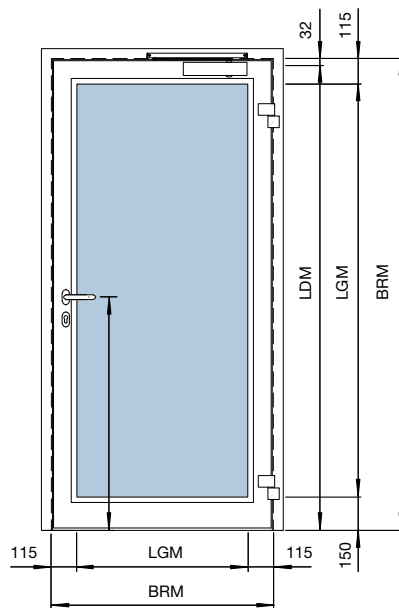
T30



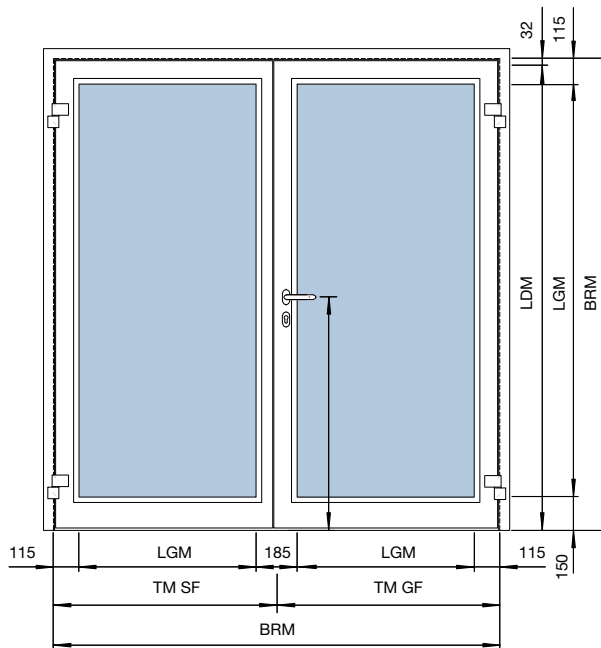
Subject to changes

Product description
Aluminium

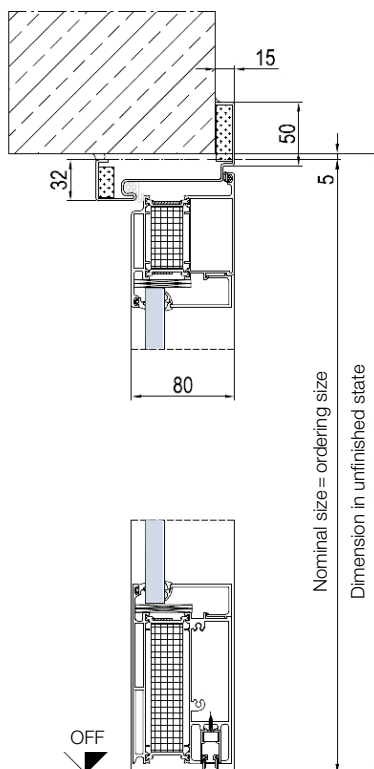
HE 311 aluminium



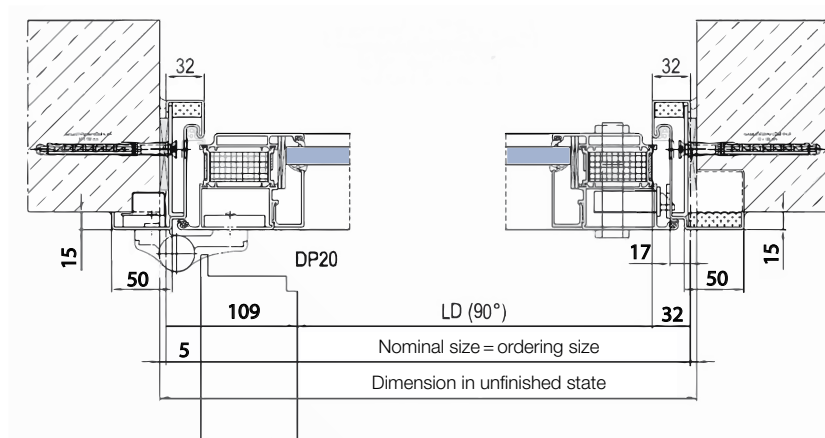
HE 321 aluminium



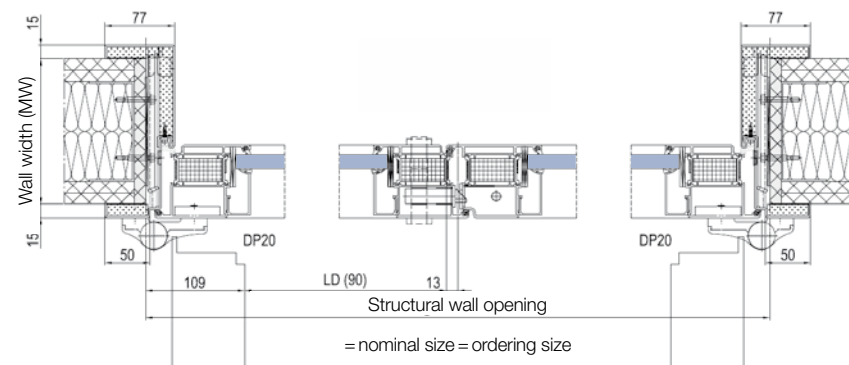
HE 311 / 321 aluminium
(Corner frame)



HE 311 aluminium
(Corner frame)



HE 321 aluminium
(Double-shell profile frame)



LDM Clear passage dimension
LGM Clear glass dimensions
MW Wall width
OFF Finished floor level

RAM Overall frame dimension
TM GF Traffic leaf division
TM SF Fixed leaf division

Aluminium fire-rated tubular frame construction project doors

With frame without face, for interior use

Product description HE 311 (single-leaf) and HE 321 (double-leaf)



Product description HE 311 (single-leaf) and HE 321 (double-leaf)

Fire-retarding and ready-to-fit door set for **interiors**. Tested and officially approved for fitting to brickwork, concrete, gas concrete and partition walls.

Each door assembly will be individually manufactured according to measurements.

Standard version

(Special equipment subject to surcharge)

① Hinges and closing devices

- Stainless steel guide rollers, two-way adjustable, single-leaf: min. 2 units, double-leaf: min. 4 units
- Security bolt: single-leaf: 2 units, double-leaf: 4 units
- Single-leaf: concealed overhead door closer with slide rail acc. to DIN EN 1154
- Double-leaf: 2 concealed overhead door closers with slide rail acc. to DIN EN 1154 with integrated door leaf selector

② Fittings

- Tubular frame mortice lock prepared for profile cylinder (31.5 / 65.5), rose escutcheon thickness 7 mm
- With aluminium lever handle set offset on both sides, with steel core, including lever handle rose escutcheons
- For double-leaf doors: fixed leaf with rebate locking bolt and switch latch (at top)

③ Seals

- All-round door seals on 3 sides
- All-round glazing seals in glass rebate

④ Design

- Aluminium tubular frame made of extrusion profiles acc. to DIN 1725
- Double-shell leaf profile with thermal insulation through a quality-assured, shear-resistant composite of 6.6 polyamide, 25% fibre glass-reinforced

⑤ Visible surfaces

- Aluminium profiles powder-coated or anodised
- Flush-fitting on hinge side
- Viewed width of frame and leaf 122 mm
- Bottom section height 150 mm, optional 105 mm
- Leaf depth 80 mm

⑥ Glazing

- Fire-proof glass F30, suitable as standard for internal applications
- Glazing bead on hinge side
- Weight with standard glazing approx. 48 kg/m²

Size range (overall frame dimensions)

Single-leaf:

- Min. 788 × 1710 mm
- Max. 1415 × 2500 mm
- Including transom light max. 1415 × 3000 mm

Double-leaf:

- Min. 1538 × 1710 mm
- Max. 2810 × 2500 mm
- Traffic leaf width 750 – 1405 mm
- Fixed leaf width 500 – 1405 mm
- Including transom light max. 2810 × 3000 mm
- .

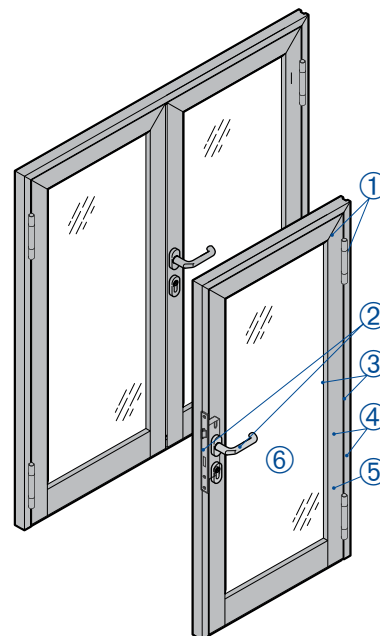
► Note the minimum overall width!

Note:

Max. 2 horizontal rails possible

Surface-mounted closers can be used for elements with transom light.

An additional top part of 9.5 mm in the lintel area must be observed for double-leaf doors without transom light.



RS	dB	RC 2	RC 3	A	Optional performance characteristics	
					(Optional extras required in some cases here)	
					Smoke protection acc. to DIN 18095	Optional
					Acoustic insulation	R _{w,P} up to 42 dB
					Break-in resistance equipment	RC 2, RC 3
					Escape door function	Optional
					Accessories	

Accessories required for performance characteristic

Bottom seals, see from page 177

Glass, see page 173

RC 2, RC 3 security features, see from page 178

Accessories from page 179

From page 171

Technical drawings HE 311 and HE 321

With frame without face

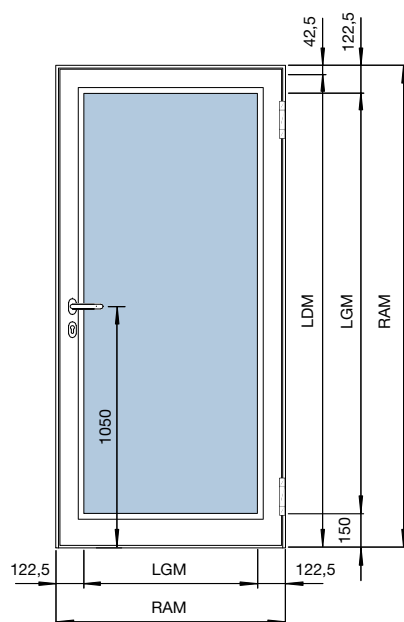
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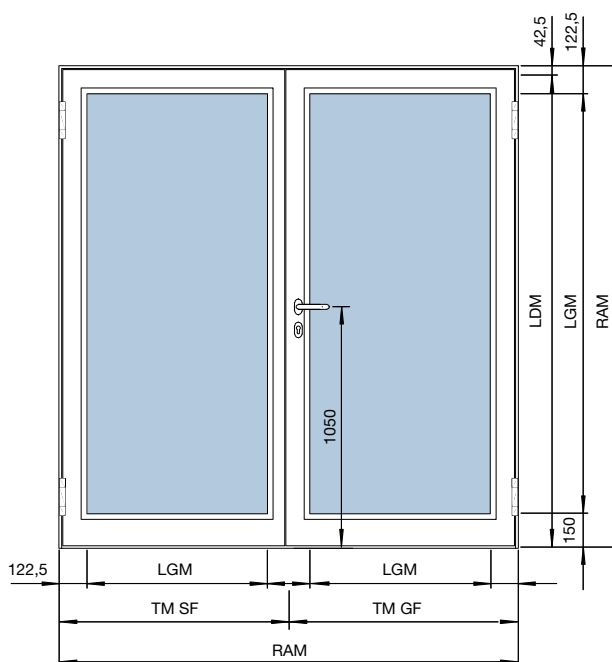
Subject to changes

Product description
Aluminium

HE 311 aluminium

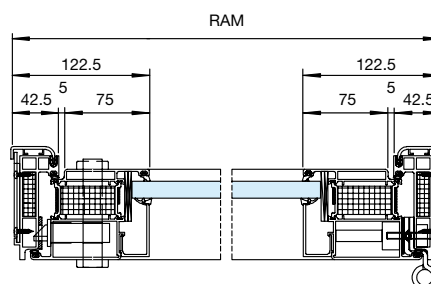
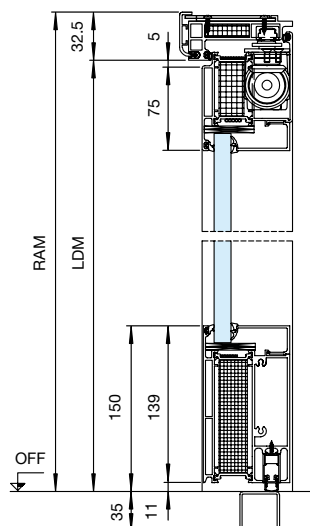


HE 321 aluminium

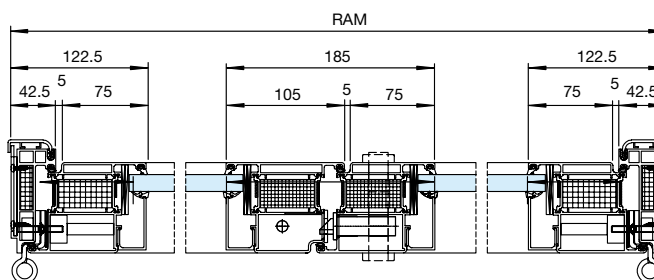


HE 311/321 aluminium

HE 311 aluminium



HE 321 aluminium



Technical drawings

- Deduction dimensions for calculating the clear passage
- Fitting methods for brickwork, concrete, gas concrete, partition walls

See page 48

See from page 50

BRM	Nominal size
LDM	Clear passage dimension
LGM	Clear glass dimension
MW	Wall width
OFF	Finished floor level

RAM	Overall frame dimension
TM GF	Traffic leaf division
TM SF	Fixed leaf division

Aluminium fire protection fixed glazings

For use as transom light, side element or fixed glazing in interiors and exteriors

Product description HE 331

Fast-track programme for aluminium fire-rated tubular frame construction project doors for fixed glazing (for interior use only):

- Standard version with white surface (RAL 9016), with standard glazing.
- Max. element height 2620 mm (with solid transom light 3000 mm)
- Max. element width 2500 mm, with 1 side element 3500 mm, with 2 side elements 4500 mm
- Marked accessories

Transom light

- Max. 2600 × 1000 mm

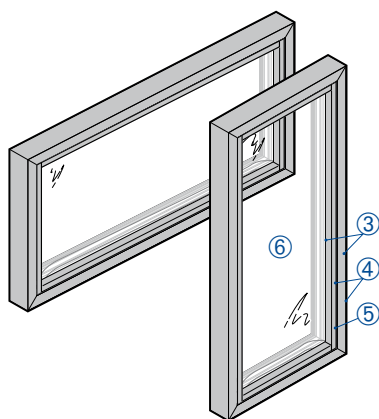
Side element

- Max. 1480 × 2620 mm

Note: max. delivery time 15 business days

Product description HE 331 – transom light, side element or fixed glazing

Fire-retarding and smoke-tight F30 glazing for **interiors or exteriors**, depending on equipment. Each glazing element will be individually manufactured according to measurements. Tested and officially approved for fitting to brickwork, concrete, gas concrete and partition walls.



Size range for interiors (overall frame dimensions)

Interior

- Min. 300 × 300 mm
- Max. 5800 × 4960 mm
- Depending on the selected glazing, glass-dividing rails must be taken into account.

Larger RAM in width and height on request.

With a glass ratio of >1:10, a glass-dividing rail is required.

Size range for exteriors (overall frame dimensions)

External transom light

- Max. 3000 × 1580 mm

External side element

- Max. 1400 × 3100 mm

Larger RAM in width and height on request.

Depending on the selected glazing, glass-dividing rails must be taken into account.

With a glass ratio of >1:10, a glass-dividing rail is required.

Note:

Exclusive fixed glazings (without door) are available up to a max. RAM of 1500 × 2500 mm as a single element or a max. RAM of 4500 × 2500 mm as a post / horizontal profile or coupling construction.

Standard version

(Special equipment subject to surcharge)

① Seals

- All-round glazing seals in glass rebate

② Design

- Aluminium tubular frame made of extrusion profiles acc. to DIN 1725
- Double-shell with thermal insulation through a quality-assured, shear-resistant composite of 6.6 polyamide, 25% fibre glass-reinforced, as well as through inserted silicate boards

③ Visible surfaces

- Aluminium profiles powder-coated or anodised
- Flush-fitting
- Viewed frame width 70 mm
- Depth 80 mm
- Bottom section height for use as side element: 150 mm, optionally 105 mm.

④ Glazing

Interior

- Fire-proof glass F30, suitable as standard for internal applications
- Weight with standard glazing approx. 48 kg/m²

Exterior

- Insulated fire-proof glass F30, suitable as standard for outdoor use
- Weight with standard glazing approx. 54 kg/m²

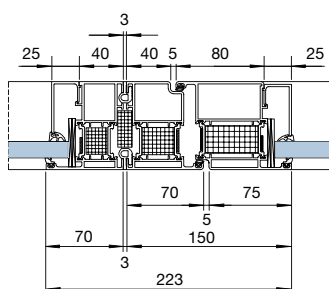
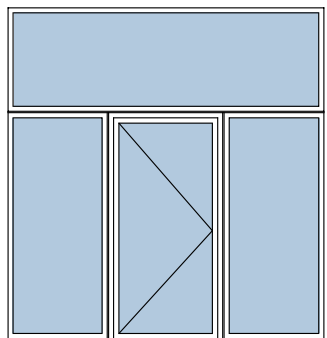


Design variants

Subject to changes

The configuration of the elements should be adapted to the individual fitting situation and space available on site.

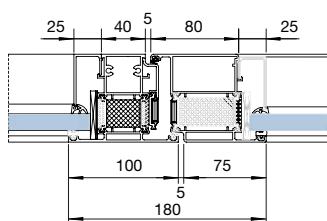
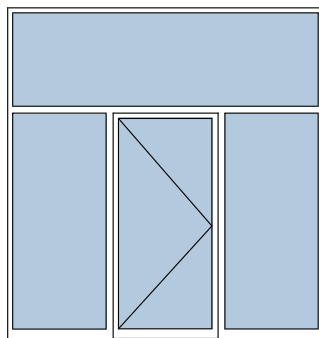
HE 331 coupling construction



Advantage:

- Individual elements (doors, side elements, transom lights) are easy and convenient to transport
- Can be used if limited space is available

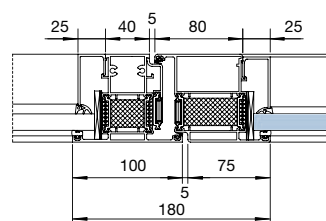
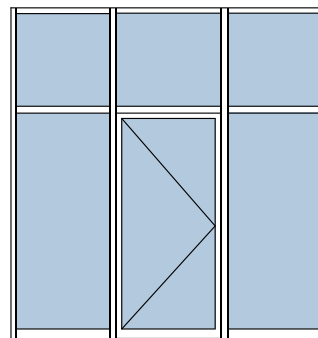
HE 331 vertical / horizontal profile construction



Advantage:

- One complete element for quick and easy fitting on site
- Mitre cut
- High transparency due to narrow profile views

HE 331 plug-in system

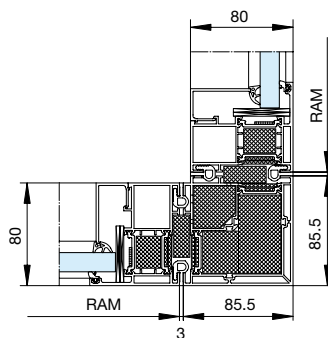


Advantage:

- Individual elements for easy transport due to butted cut of profiles
- High transparency due to narrow profile views

Further design variants such as 97 horizontal profile / 97 vertical profile can be created via the Hörmann configurator.

Corner profile construction 90°



RAM Overall frame dimension

Technical drawings

- Deduction dimensions for calculating the clear passage
- Fitting methods for brickwork, concrete, gas concrete, partition walls

See page 48

See from page 50

Aluminium fire-rated doors

With extensive glazing for interior use

Product description HE 611, HE 911 and HE 621, HE 921

Product description HE 611, HE 911 (single-leaf) and HE 621, HE 921 (double-leaf)

Fire-proof and ready-to-fit door set for **interiors**. Tested and officially approved for fitting to brickwork, concrete, gas concrete and partition walls.

Each door assembly will be individually manufactured according to measurements.

Standard version

(Special equipment subject to surcharge)

① Hinges and closing devices

- Aluminium 3-way adjustable hinges, 3-part version, three-way adjustable, single-leaf: min. 3 units, double-leaf: min. 6 units
- Security bolt:
 - up to 2500 mm RAM height: single-leaf: 2 units, double-leaf: 4 units
 - from 2501 mm RAM height: single-leaf: 4 units, double-leaf: 8 units
- Overhead door closers
 - Single-leaf: overhead door closer with slide rail acc. to DIN EN 1154
 - Double-leaf: 2 overhead door closers with slide rail acc. to DIN EN 1154 with integrated door leaf selector

② Fittings

- Tubular frame mortice lock prepared for profile cylinder (31.5 / 65.5), rose escutcheon thickness 7 mm
- With aluminium lever handle set offset on both sides, with steel core, including lever handle rose escutcheons
- For double-leaf doors: fixed leaf with rebate locking bolt and switch latch (at top)

③ Seals

- All-round door seals on 3 sides
- All-round glazing seals in glass rebate

④ Design

- Aluminium tubular frame made of extrusion profiles acc. to DIN 1725
- Double-shell with thermal insulation through a quality-assured, shear-resistant composite of 6.6 polyamide, 25% fibre glass-reinforced

⑤ Visible surfaces

- Aluminium profiles powder-coated or anodised
- Flush-fitting
- Viewed width of frame and leaf 150 mm
- Bottom section height 150 mm
- Depth 80 mm

⑥ Glazing

- Fire-proof glass F60 (HE 611) or F90 (HE 911), suitable as standard for internal applications
- Glazing bead on hinge side, on request on opposite hinge side
- Weight with standard glazing approx. 65 kg/m²

Size range (overall frame dimensions)

Single-leaf:

- Min. 605 × 1740 mm
- Max. 1500 × 2800 mm

► **Note the minimum overall width!**

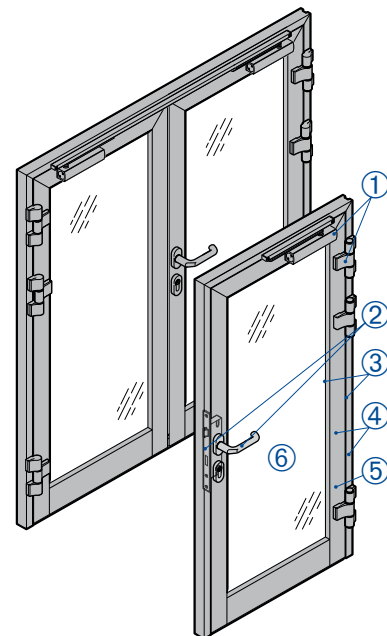
Double-leaf:

- Min. 1355 × 1740 mm
- Max. 2850 × 2800 mm
- Traffic leaf width 750 – 1425 mm
- Fixed leaf width 500 – 1425 mm

► **Note the minimum overall width!**

► **Door set divided symmetrically. Observe the minimum division dimensions!**

► **Indicate division of leaves on order if asymmetrically divided leaves are required!**



Note:

A fourth fixing point is required from a door height of 2352 mm.

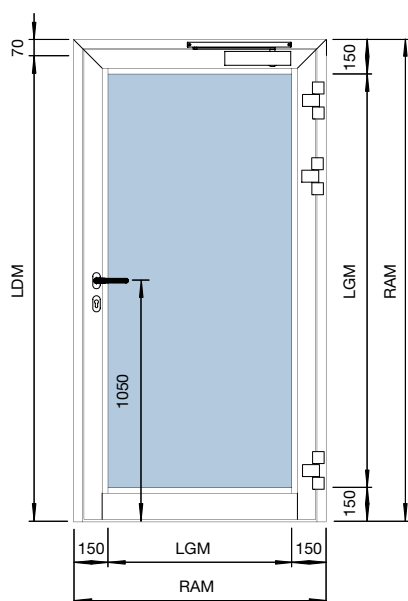
Max. 4 horizontal rails possible

RS	dB	RC 2	RC 3		Optional performance characteristics (Optional extras required in some cases here)	Accessories required for performance characteristic
					Smoke protection acc. to DIN 18095	Optional
					Acoustic insulation	R _{w,P} up to 42 dB
					Break-in resistance equipment	RC 2, RC 3
					Escape door function	Optional
					Escape door function with break-in resistance equipment RC 2	Optional
						Bottom seals, see from page 177
						Glass, see page 173
						RC 2, RC 3 security features, see from page 178
						Accessories from page 179
						RC 2 security features from page 179

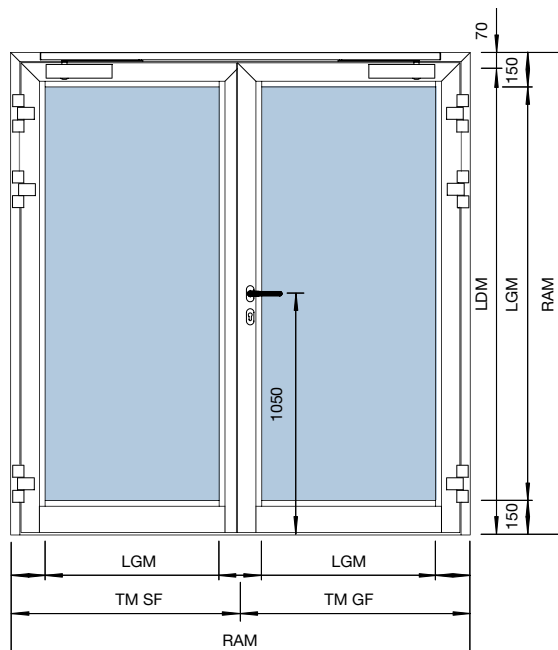


Subject to changes

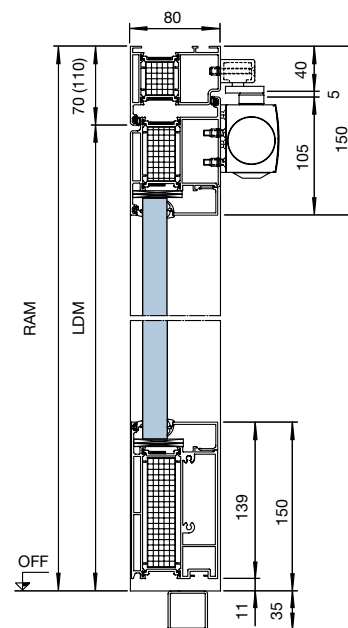
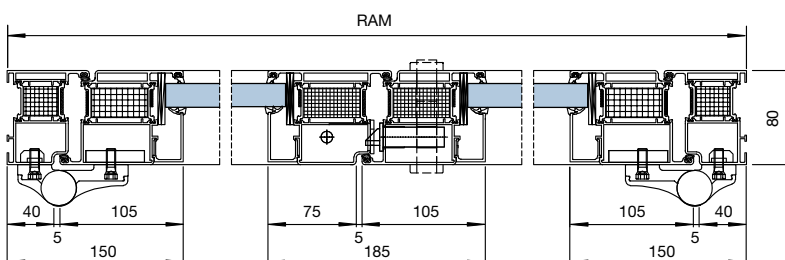
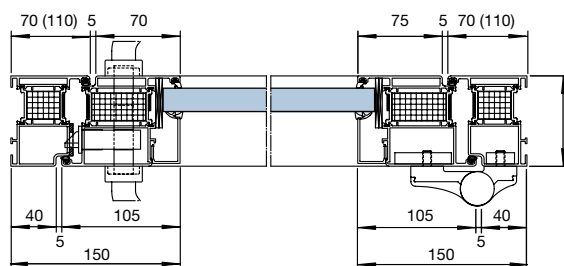
HE 611, HE 911 aluminium



HE 621, HE 921 aluminium



HE 611, 911 / 621, 921 aluminium



Technical drawings

- Deduction dimensions for calculating the clear passage
- Fitting methods for brickwork, concrete, gas concrete, partition walls

See page 48

See from page 50

LDM Clear passage dimension
LGM Clear glass dimensions
OFF Finished floor level
RAM Overall frame dimension

Aluminium smoke-tight door assemblies

Hollow profiled section doors – for interior use

Product description A / RS 150, A / RS 250



Subject to changes

● Fast-track programme for A / RS 150 and A / RS 250 smoke-tight doors made from aluminium:

- Standard version with white surface (RAL 9016), optional surface finishes anodised EV 1, RAL 7016, RAL 9006, RAL 9007 and DB 703, with standard glazing and silver-coloured standard fittings.
- Marked accessories
- A / RS 150 (single-leaf)
 - Max. element height 2620 mm (with solid transom light 3000 mm)
 - Max. element width 1500 mm, with 1 side element 2480 mm, with 2 side elements 3460 mm
- A / RS 250 (double-leaf)
 - Max. element height 2620 mm (with solid transom light 3000 mm)
 - Max. element width 2500 mm, with 1 side element 3500 mm, with 2 side elements 4500 mm

Note: max. delivery time 15 business days

Product description A / RS 150 – single-leaf and A / RS 250 – double-leaf

Smoke-tight, ready-to-fit door set for **interiors**.

Each door assembly will be individually manufactured according to measurements.

Standard version

(Special equipment subject to surcharge)

① Hinges and closing devices

- Aluminium 3-way adjustable hinges, 2-part version, three-way adjustable, single-leaf: 2 units, double-leaf: 4 units
- Overhead door closer with slide rail acc. to DIN EN 1154 (integrated door leaf selector with double-leaf doors)

② Fittings

- Tubular frame mortice lock prepared for profile cylinder (31.5 / 35.5), rose escutcheon thickness 7 mm
- With aluminium round lever handle set offset on both sides, with steel core, including cylinder rose escutcheons
- For double-leaf doors: fixed leaf with rebate locking bolt and switch latch (at top)

③ Seals

- All-round EPDM door seal
- All-round sealing in glass rebate
- Door bottom edge with retractable bottom seal

④ Design

- Aluminium tubular frame made of extrusion profiles according to DIN 1725

⑤ Visible surfaces

- Aluminium profiles powder-coated or anodised
- Flush-fitting
- Viewed width of frame and leaf 150 mm
- Depth 50 mm
- Bottom section height 150 mm, optionally 105 mm

⑥ Glazing

- Laminated safety glass 6 mm
- Glazing bead on hinge side, on request on opposite hinge side
- Weight with standard glazing approx. 20 kg/m²

Size range (overall frame dimensions)

Single-leaf

- With fascia frame:
 - Min. 605 × 1740 mm
 - Max. 1500 × 3000 mm
- With steel frame:
 - Min. 535 × 1705 mm
 - Max. 1430 × 2965 mm

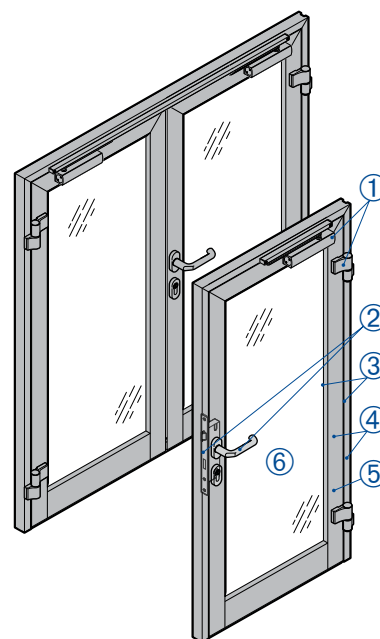
Double-leaf:

- With fascia frame:
 - Min. 1355 × 1740 mm
 - Max. 3000 × 3000 mm
 - Traffic leaf 750 – 1500 mm
 - Fixed leaf 500 – 1500 mm
- With steel frame:
 - Min. 1285 × 1705 mm
 - Max. 2930 × 2965 mm
 - Traffic leaf 750 – 1465 mm
 - Fixed leaf 500 – 1465 mm

► **Note the minimum overall width!**

Larger RAM on request

Max. 4 horizontal rails possible



Optional performance characteristics

(Optional extras required in some cases here)

Accessories required for performance characteristic

Acoustic insulation	R _{w,F} up to 38 dB	Glass, see page 173
Escape door function	Optional	Accessories from page 179

Technical drawings

for A / RS 150, A / RS 250

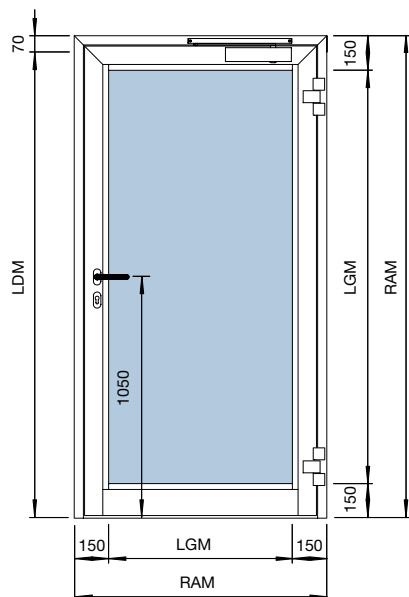
RS



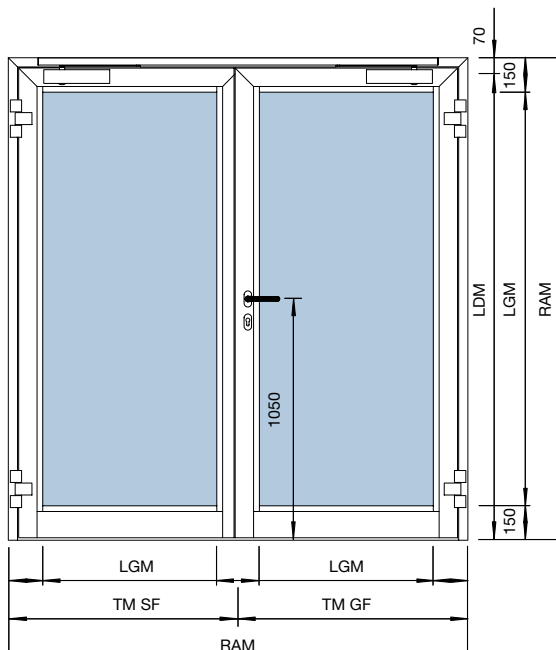
Subject to changes

Product description
Aluminium

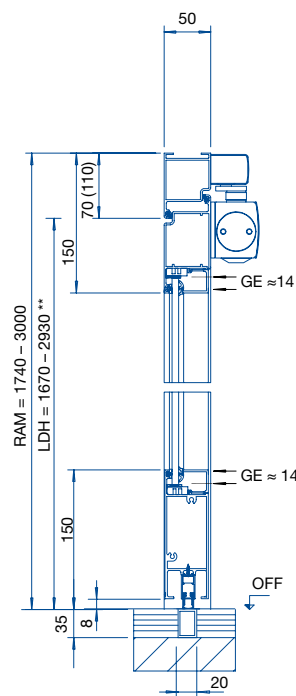
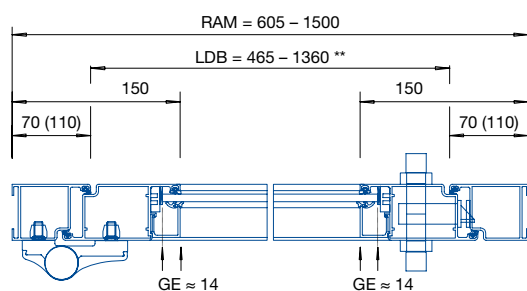
A / RS 150



A / RS 250



A / RS 150/250 aluminium



Technical drawings

- Deduction dimensions for calculating the clear passage
- Fitting methods for brickwork, concrete, gas concrete, partition walls

See page 48

See from page 50

LDM Clear passage dimension
LGM Clear glass dimensions
OFF Finished floor level
RAM Overall frame dimension

TM GF Traffic leaf division
TM SF Fixed leaf division

Aluminium smoke-tight fixed glazings

for use as transom light, side element or fixed glazing in interiors

Product description A / RS 350

RS



Subject to changes

● Fast-track programme for A / RS 350 transom lights and side elements made from aluminium:

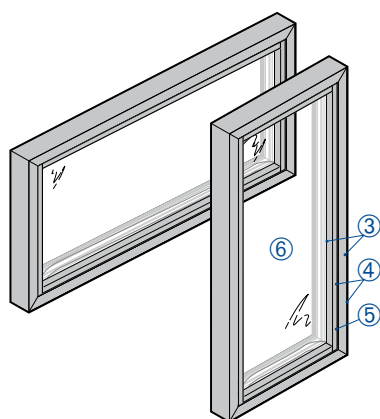
- Standard version with white surface (RAL 9016), optional surface finishes anodised EV 1, RAL 7016, RAL 9006, RAL 9007 and DB 703, with standard glazing and silver-coloured standard fittings.
- Marked accessories
- A / RS 350 (transom lights):
 - Max. element height 2620 mm (with solid transom light 3000 mm)
 - Max. element width 2500 mm, with 1 side element 3500 mm, with 2 side elements 4500 mm
- A / RS 350 (side elements):
 - Max. element height 2620 mm (with solid transom light 3000 mm)
 - Max. element width 2500 mm, with 1 side element 3500 mm, with 2 side elements 4500 mm

Note: max. delivery time 15 business days

Product description side element / transom light A / RS 350 and ES 350

Ready-to-fit fixed element for **interiors**.

Each glazing element will be individually manufactured according to measurements.



Notes:

Side element A / RS 350

Max. 4 horizontal rails and 3 vertical rails are possible

Transom light A / RS 350

Max. 2 horizontal rails and 3 vertical rails are possible

Standard version

(Special equipment subject to surcharge)

① Seals

- All-round EPDM glazing seal

② Design

- Tubular frame made of anodised or powder-coated aluminium profiles

③ Visible surfaces

- Flush-fitting
- Viewed width 70 mm
- Depth 50 mm
- Bottom section height for use as side element: 150 mm, optionally 105 mm

④ Glazing

- Laminated safety glass 6 mm
- Weight with standard glazing approx. 20 kg/m²

Size range (overall frame dimensions)

- Min. 300 x 300 mm
- Max. depending on glass type
- Depending on the selected glazing, glass-dividing rails must be taken into account

Technical drawings

- Deduction dimensions for calculating the clear passage
- Fitting methods for brickwork, concrete, gas concrete, partition walls

See page 48

See from page 50

Good reasons to try Hörmann
steel and aluminium tubular frame
construction project doors



Maximum clear passage width

Steel profile frame

* compared to door version with fascia frame

HÖRMANN

Aluminium smoke-tight door assemblies with thermal insulation

Hollow profiled section doors with thermal break – for interior use

Product description A / RS 100, A / RS 200



Subject to changes

● Fast-track programme for A / RS 100 and A / RS 200 smoke-tight doors with thermal insulation made from aluminium:

- Standard version with white surface (RAL 9016), optional surface finishes anodised EV 1, RAL 7016, RAL 9006, RAL 9007 and DB 703, with standard glazing and silver-coloured standard fittings.
- Marked accessories
- A / RS 100 (single-leaf)
 - Max. element height 2620 mm (with solid transom light 3000 mm)
 - Max. element width 1500 mm, with 1 side element 2480 mm, with 2 side elements 3460 mm
- A / RS 200 (double-leaf)
 - Max. element height 2620 mm (with solid transom light 3000 mm)
 - Max. element width 2500 mm, with 1 side element 3500 mm, with 2 side elements 4500 mm

Note: max. delivery time 15 business days

Product description A / RS 100 – single-leaf and A / RS 200 – double-leaf

Smoke-tight, ready-to-fit door set, tested in accordance with DIN 18095 for interiors.

Each door assembly will be individually manufactured according to measurements.

Standard version

(Special equipment subject to surcharge)

① Hinges and closing devices

- Aluminium 3-way adjustable hinges, 2-part version, three-way adjustable, single-leaf: 2 units, double-leaf: 4 units
- Overhead door closer with slide rail acc. to DIN EN 1154 (integrated door leaf selector with double-leaf doors)

② Fittings

- Tubular frame mortice lock prepared for profile cylinder (31.5 / 65.5), rose escutcheon thickness 7 mm
- With aluminium round lever handle set offset on both sides, with steel core, including cylinder rose escutcheons
- For double-leaf doors: fixed leaf with rebate locking bolt and switch latch (at top)

③ Seals

- All-round EPDM door seal
- All-round sealing in glass rebate
- Door bottom edge with retractable bottom seal

④ Design

- Aluminium tubular frame made of extrusion profiles acc. to DIN 1725
- Double-shell with thermal insulation through a quality-assured, shear-resistant composite of 6.6 polyamide, 25% fibre glass-reinforced

⑤ Visible surfaces

- Aluminium profiles powder-coated or anodised
- Flush-fitting
- Viewed width (frame and leaf) 150 mm
- Bottom section height 150 mm (optional 105 mm)
- Depth 80 mm

⑥ Glazing

- Insulated laminated safety glass 24 mm
- Glazing bead on hinge side, on request on opposite hinge side
- Weight with standard glazing approx. 35 kg/m²

Size range (overall frame dimensions)

Single-leaf

- With fascia frame:
 - Min. 605 × 1740 mm
 - Max. 1500 × 3000 mm
- With steel frame:
 - Min. 535 × 1705 mm
 - Max. 1430 × 2965 mm

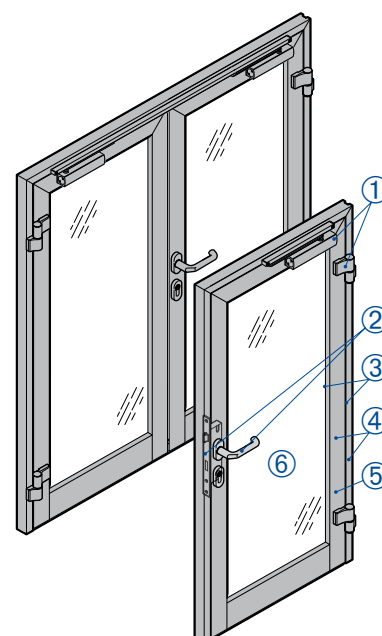
Double-leaf:

- With fascia frame:
 - Min. 1355 × 1740 mm
 - Max. 3000 × 3000 mm
 - Traffic leaf 750 – 1500 mm
 - Fixed leaf 500 – 1500 mm
- With steel frame:
 - Min. 1285 × 1705 mm
 - Max. 2930 × 2965 mm
 - Traffic leaf 750 – 1465 mm
 - Fixed leaf 500 – 1465 mm

► Note the minimum overall width!

Larger RAM on request

Max. 4 horizontal rails possible



RS	dB	RC 2	RC 3		Optional performance characteristics (Optional extras required in some cases here)	Accessories required for performance characteristic
					Acoustic insulation	R _{w,F} up to 38 dB Glass, see page 173
					Break-in resistance equipment	RC 2, RC 3 RC 2, RC 3 security features, see from page 178
					Escape door function	Optional Accessories from page 179
					Escape door function with break-in resistance equipment RC 2	Optional RC 2 security features, see from page 179

Technical drawings

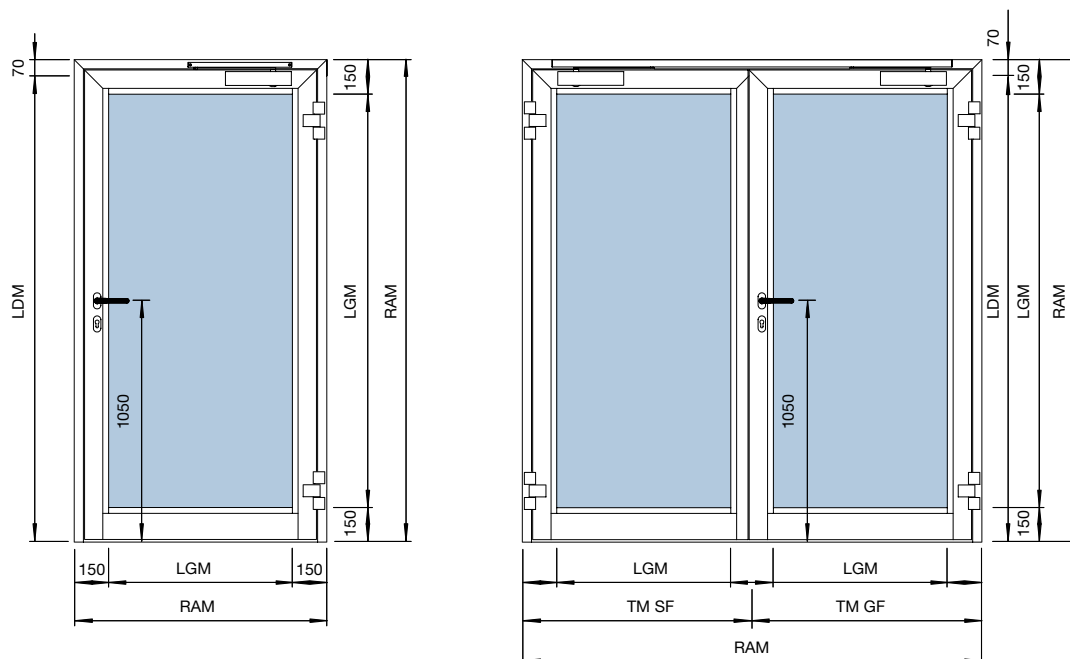
for A / RS 100, A / RS 200

RS

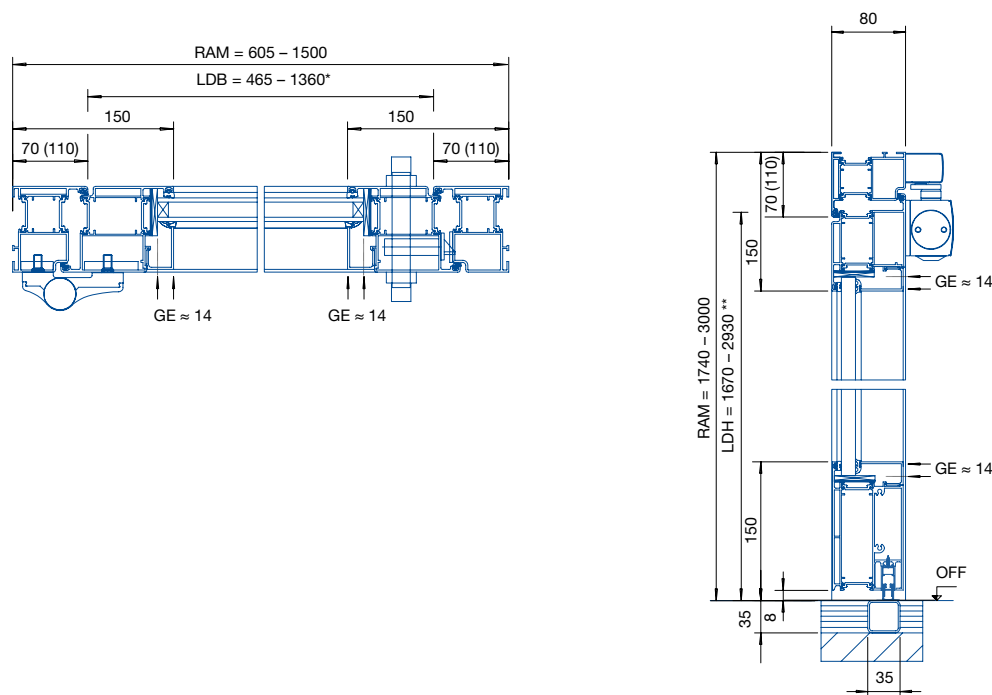


Subject to changes

A / RS 100/200 aluminium



A / RS 100/200 aluminium



Technical drawings

- Deduction dimensions for calculating the clear passage
- Fitting methods for brickwork, concrete, gas concrete, partition walls

See page 48

See from page 50

LDM Clear passage dimension
LGM Clear glass dimensions
OFF Finished floor level
RAM Overall frame dimension

TM GF Traffic leaf division
TM SF Fixed leaf division

Smoke-tight door assemblies with thermal insulation

For use as transom light, side element or fixed glazing in interiors and exteriors

Product description A / RS 300

RS



Subject to changes

● Fast-track programme for A / RS 300 transom lights and side elements made from aluminium for interiors

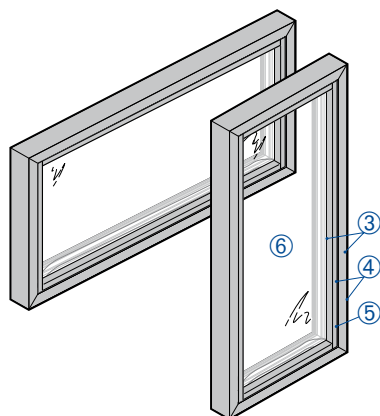
- Standard version with white surface (RAL 9016), optional surface finishes anodised EV 1, RAL 7016, RAL 9006, RAL 9007 and DB 703, with standard glazing and silver-coloured standard fittings.
- Marked accessories
- A / RS 300 (transom lights):
 - Max. 2600 × 1000 mm
 - Max. element height 2620 mm (with solid transom light 3000 mm)
 - Max. element width 2500 mm, with 1 side element 3500 mm, with 2 side elements 4500 mm
- A / RS 300 (side elements):
 - Max. 1480 × 2620 mm
 - Max. element height 2620 mm (with solid transom light 3000 mm)
 - Max. element width 2500 mm, with 1 side element 3500 mm, with 2 side elements 4500 mm

Note: max. delivery time 15 business days

Product description side element / transom light A / RS 300 – single-leaf and double-leaf

Smoke-tight, ready-to-fit fixed element with thermal insulation for interior and exterior use.

Each glazing element will be individually manufactured according to measurements.



Standard version

(Special equipment subject to surcharge)

① Seals

- All-round glazing seal in the glass rebate

② Design

- Aluminium tubular frame made of extrusion profiles acc. to DIN 1725
- Double-shell with thermal insulation through a quality-assured, shear-resistant composite of 6.6 polyamide, 25% fibre glass-reinforced

③ Visible surfaces

- Aluminium profiles powder-coated or anodised
- Flush-fitting
- Viewed frame width 70 mm
- Depth 80 mm
- Bottom section height for use as side element: 150 mm (70 mm, 105 mm)

④ Glazing

Interior

- Insulated laminated safety glass, 24 mm
- Weight with standard glazing approx. 35 kg/m²

Exterior

- Insulated laminated safety glass, 24 mm
- Weight with standard glazing approx. 35 kg/m²

Size range for interiors (overall frame dimensions)

Interior

- Min. 300 × 300 mm
- Max. 5800 × 4960 mm
- Depending on the selected glazing, glass-dividing rails must be taken into account.

Larger RAM in width and height on request.

**With a glass ratio of >1:10,
a glass-dividing rail is required.**

Size range for exteriors (overall frame dimensions)

External transom light

- Max. 3000 × 1580 mm

External side element

- Max. 1400 × 3100 mm

Larger RAM in width and height on request.

Depending on the selected glazing, glass-dividing rails must be taken into account.

**With a glass ratio of >1:10,
a glass-dividing rail is required.**

Note:

Exclusive fixed glazings (without door) are available up to a max. RAM of 1500 × 2500 mm as a single element or a max. RAM of 4500 × 2500 mm as a post / horizontal profile or coupling construction.

Notes:

Side element A / RS 300

Max. 4 horizontal rails and 3 vertical rails are possible

Transom light A / RS 300

Max. 2 horizontal rails and 3 vertical rails are possible

Technical drawings

- Deduction dimensions for calculating the clear passage
- Fitting methods for brickwork, concrete, gas concrete, partition walls

See page 48

See from page 50

Good reasons to try Hörmann steel loft doors



Industrial style for living areas and workspaces

**Large glazings with
high-quality steel profiles**

HÖRMANN

Aluminium smoke-tight door assemblies with thermal insulation

Hollow profiled section doors with thermal break – for exterior use

Product description A / RS 100, A / RS 200



Subject to changes

Product description A / RS 100 – single-leaf and A / RS 200 – double-leaf

Smoke-tight, ready-to-fit door set, tested in accordance with DIN 18095 for **exteriors**.

Each door assembly will be individually manufactured according to measurements.

Standard version

(Special equipment subject to surcharge)

① Hinges and closing devices

- Aluminium 3-way adjustable hinges, 2-part version, three-way adjustable, single-leaf: min. 2 units, double-leaf: min. 4 units
- Security bolt: single-leaf: 2 units, double-leaf: 4 units
- Single-leaf: overhead door closer with slide rail acc. to DIN EN 1154
- Double-leaf: 2 overhead door closers with slide rail acc. to DIN EN 1154 with integrated door leaf selector

② Fittings

- Tubular frame mortice lock prepared for profile cylinder (31.5 / 65.5), rose escutcheon thickness 7 mm
- With aluminium lever handle set offset on both sides, with steel core, including lever handle rose escutcheons
- For double-leaf doors:
Fixed leaf: rebate locking bolt and switch latch, locking at top and bottom as standard, two electric strikes required if necessary
Traffic leaf: From RAM > 2150 mm with top locking, alternatively multiple-point locking (automatic)

③ Seals

- All-round door seals on 3 sides
- All-round glazing seals in glass rebate
- Threshold rail with thermal break as door bottom edge

④ Design

- Aluminium tubular frame made of extrusion profiles acc. to DIN 1725
- Double-shell with thermal insulation through a quality-assured, shear-resistant composite of 6.6 polyamide, 25% fibre glass-reinforced

⑤ Visible surfaces

- Aluminium profiles powder-coated or anodised
- Flush-fitting
- Viewed width of frame and leaf 150 mm
- Bottom section height 150 mm, optionally 105 mm (105 mm bottom section height not possible for threshold with thermal break)
- Depth 80 mm

⑥ Glazing

- Insulated laminated safety glass, suitable as standard for outdoor use
- Glazing bead on hinge side, on request on opposite hinge side
- Weight with standard glazing approx. 35 kg/m²

Size range (overall frame dimensions)

Single-leaf:

- Min. 605 × 1740 mm
- Max. 1500 × 3000 mm

Double-leaf:

- Min. 1355 × 1740 mm
- Max. 3000 × 3000 mm
- Traffic leaf width 750 – 1500 mm
- Fixed leaf width 500 – 1500 mm

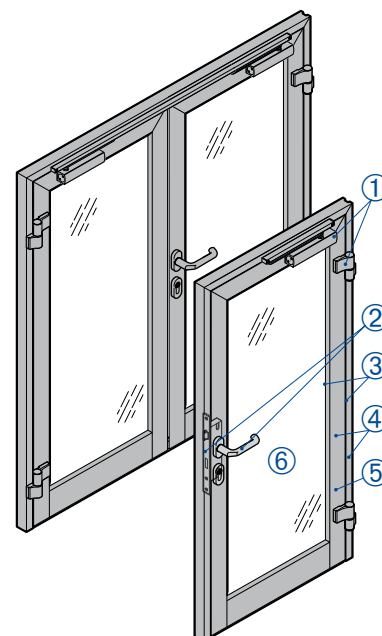
► **Hold-open devices and operators are not possible for external doors!**

► **Note the minimum overall width!**

Note:

For doors with RAM height > 2150 mm, the traffic leaf must be equipped with top locking. If the traffic leaf is equipped with a lock (multiple-point locking, automatic), top locking is not required.

Max. 2 horizontal rails possible



Optional performance characteristics (Optional extras required in some cases here)		Accessories required for performance characteristic
Acoustic insulation	R _{w,P} up to 40 dB	Glass, see page 173
Thermal insulation	Up to 1.6 W/m ² K	Insulated glass panes, see from page 172
Water tightness under heavy rain	Up to class 5A	Threshold rail with thermal break, page 177
Break-in resistance equipment	RC 2, RC 3	RC 2, RC 3 security features, see from page 178
Accessories		From page 171
Escape door function	Optional	Accessories from page 179
Escape door function with break-in resistance equipment RC 2	Optional	RC 2 security features, see from page 179

Technical drawings

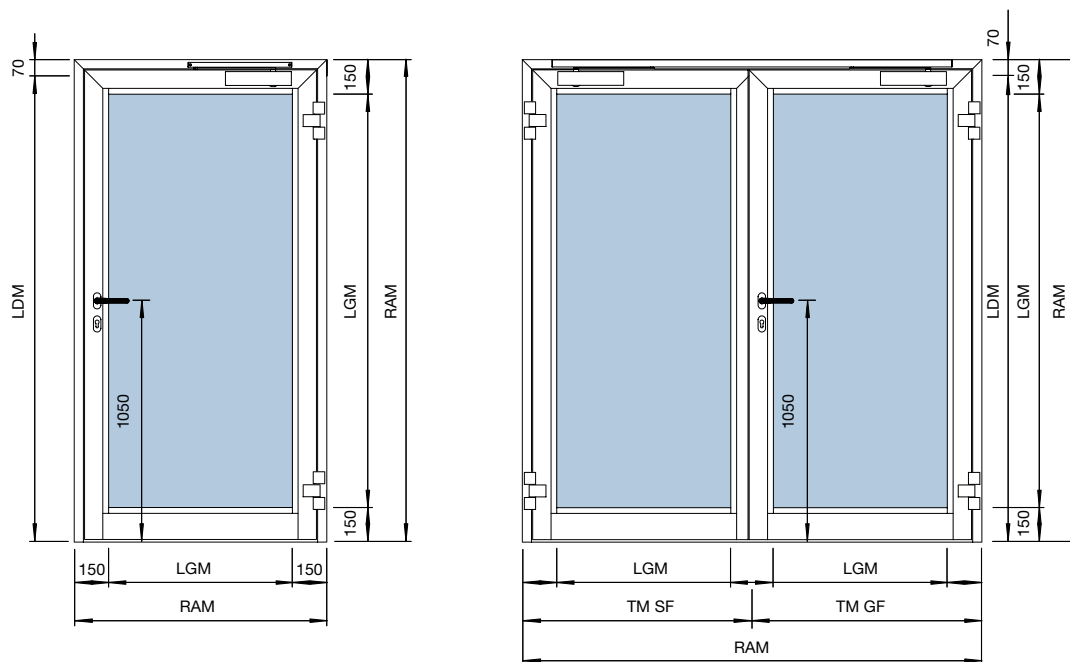
for A / RS 100, A / RS 200

RS

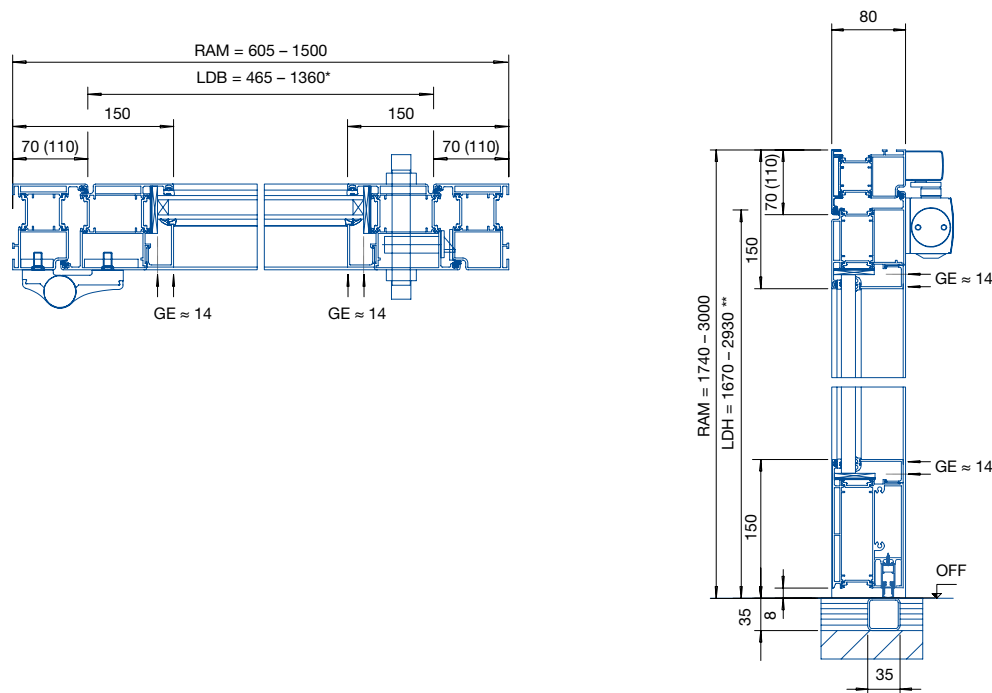


Subject to changes

A / RS 100/200 aluminium



A / RS 100/200 aluminium



Technical drawings

- Deduction dimensions for calculating the clear passage
- Fitting methods for brickwork, concrete, gas concrete, partition walls

See page 48

See from page 50

LDM Clear passage dimension
LGM Clear glass dimensions
OFF Finished floor level
RAM Overall frame dimension

TM GF Traffic leaf division
TM SF Fixed leaf division

Aluminium smoke-tight door assemblies

With frame without face – for interior use

Product description A / RS 100, A / RS 200



Subject to changes

Product description A / RS 100 – single-leaf and A / RS 200 – double-leaf

Smoke-tight, ready-to-fit door set for **interiors**.

Each door assembly will be individually manufactured according to measurements.

Standard version

(Special equipment subject to surcharge)

① Hinges and closing devices

- Stainless steel guide rollers, two-way adjustable, single-leaf: min. 2 units, double-leaf: min. 4 units
- Security bolt: single-leaf: 2 units, double-leaf: 4 units
- Single-leaf: concealed overhead door closer with slide rail DIN EN 1154
- Double-leaf: concealed overhead door closer with slide rail DIN EN 1154 and integrated door leaf selector

② Fittings

- Tubular frame mortice lock prepared for profile cylinder (31.5 / 65.5), rose escutcheon thickness 7 mm
- With aluminium lever handle set offset on both sides, with steel core, including lever handle rose escutcheons
- For double-leaf doors:
Fixed leaf: rebate locking bolt and switch latch (top)

③ Seals

- All-round door seals on 3 sides
- All-round glazing seals in glass rebate
- Door bottom edge with retractable bottom seal

④ Design

Frame:

- Aluminium frame, two-part

Door leaf:

- Aluminium tubular frame made of extrusion profiles acc. to DIN 1725

Leaf profile:

- Double-shell with thermal insulation through a quality-assured, shear-resistant composite of 6.6 polyamide, 25% fibre glass-reinforced

⑤ Visible surfaces

- Aluminium profiles powder-coated or anodised
- Flush-fitting on hinge side
- Viewed width of frame and leaf 122.5 mm
- Bottom section height 150, 105 mm
- Wall width 100–200 mm

⑥ Glazing

- Insulated laminated safety glass
- Glazing bead on hinge side
- Weight with standard glazing approx. 35 kg/m²

Size range (overall frame dimensions)

Single-leaf:

- Min. 788 × 1710 mm
- Max. 1415 × 2500 mm
- RAM including transom light max. 1415 × 3000 mm

Double-leaf:

- Min. 1538 × 1710 mm
- Max. 2810 × 2500 mm
- The minimum division dimension is 750 mm
- RAM including transom light max. 2810 × 3000 mm

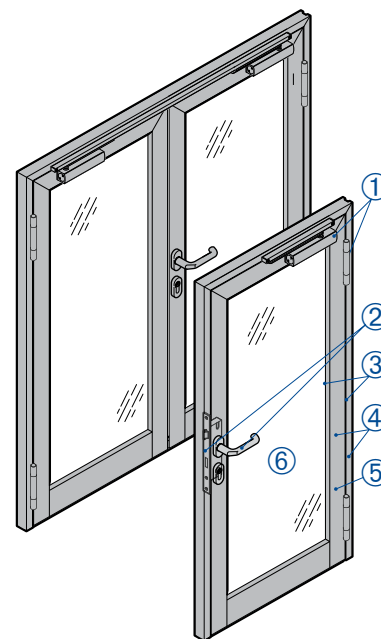
► Note the minimum overall width!

Note:

Operators can be used for elements with transom light.

An additional top part of 9.5 mm in the lintel area must be observed for double-leaf doors without transom light. (Identical construction to HE 321.)
Doors with frame without face are only possible with the glazing bead arrangement on the hinge side (opening inwards).

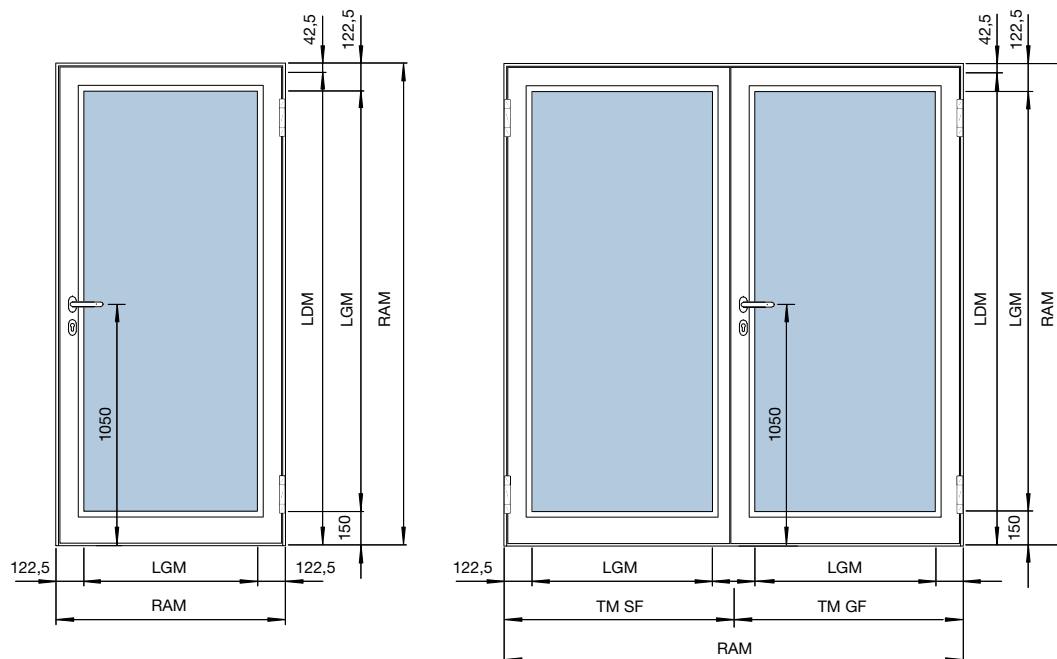
Max. 2 horizontal rails possible



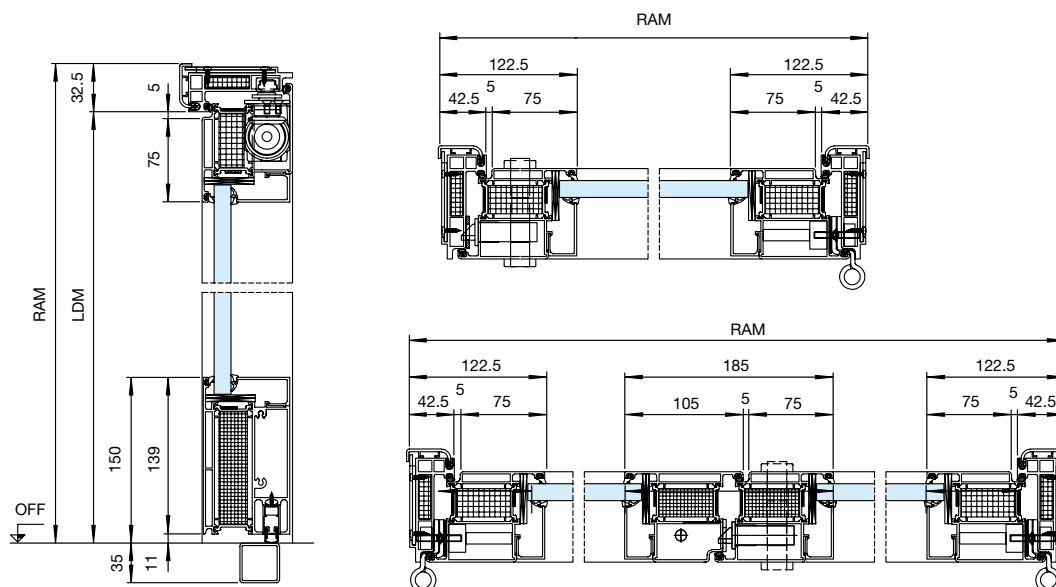
RS	dB	RC 2	RC 3		Optional performance characteristics	Accessories required for performance characteristic
					(Optional extras required in some cases here)	
					Acoustic insulation	R _{w,P} up to 42 dB
					Break-in resistance equipment	RC 2, RC 3
					Escape door function	Optional
						Glass, see page 173
						RC 2, RC 3 security features, see from page 178
						see page 179



A / RS 100/200 aluminium



A / RS 100/200 aluminium



Note:

Illustrations based on T30 doors. No profile infill is required in the case of RS doors.

Technical drawings

- Deduction dimensions for calculating the clear passage
- Fitting methods for brickwork, concrete, gas concrete, partition walls

See page 48

See from page 50

LDM Clear passage dimension
LGM Clear glass dimensions
OFF Finished floor level
RAM Overall frame dimension

TM GF Traffic leaf division
TM SF Fixed leaf division

T30/T60/T90 aluminium fire-rated doors

With extensive glazing

Technical drawings

T30

T60

T90



Subject to changes

Deduction dimensions for calculating the clear passage

HE 3x1, HE 6x1, HE 9x1, A / RS x00 and OT80 – deduction dimensions for clear passage width at 90° open door leaf without handles and lever handles

	Single-leaf door	Double-leaf door	Single-leaf door		Double-leaf door		Double-leaf traffic leaf	Double-leaf traffic leaf vertical profile construction
			Vertical profile construction		Vertical profile construction			
	One-sided	On both sides	One-sided	On both sides	One-sided			
	(= RAM minus dim. stated below)	(= division dim. minus dim. stated below)						
Aluminium door hinge with 20 mm pivot point	– 214 mm	– 288 mm	– 194 mm	– 174 mm	– 268 mm	– 248 mm	– 157 mm	– 137 mm
Aluminium door hinge with 36 mm pivot point	– 230 mm	– 320 mm	– 210 mm	– 190 mm	– 300 mm	– 280 mm	– 173 mm	– 153 mm
Hörmann guide roller, 17 mm pivot point	– 210 mm	– 280 mm	– 190 mm	– 170 mm	– 260 mm	– 240 mm	– 153 mm	– 133 mm
Additional deduction for vertical profile construction opening outwards			– 60 mm	– 60 mm	– 60 mm	– 60 mm		– 30 mm

- The values for the vertical profile constructions are based on a **100 mm** vertical rail

A / RS-x50, ES50 – deduction dimensions for clear passage width at 90° open door leaf without handles and lever handles

	Single-leaf door	Double-leaf door	Single-leaf door		Double-leaf door		Double-leaf traffic leaf	Double-leaf traffic leaf vertical profile construction
			Vertical profile construction		Vertical profile construction			
			One-sided	On both sides	One-sided	On both sides		
	(= RAM minus dim. stated below)	(= division dim. minus dim. stated below)						
Aluminium door hinge with 20 mm pivot point	– 184 mm	– 228 mm	– 164 mm	– 144 mm	– 208 mm	– 188 mm	– 127 mm	– 107 mm
Aluminium door hinge with 36 mm pivot point	– 200 mm	– 260 mm	– 180 mm	– 160 mm	– 240 mm	– 220 mm	– 143 mm	– 123 mm
Hörmann guide roller, 17 mm pivot point	– 180 mm	– 220 mm	– 160 mm	– 140 mm	– 200 mm	– 240 mm	– 118 mm	– 98 mm
Additional deduction for vertical profile construction opening outwards			– 60 mm	– 60 mm	– 60 mm	– 60 mm		– 30 mm

- The values for the vertical profile constructions are based on a **100 mm** vertical rail

HE 3x1, HE 6x1, HE 9x1, A / RS-x00, A / RS-x50, ES50 – deduction dimensions for clear passage height

Calculation with retractable bottom seal	Single-leaf door	Double-leaf door	Single-leaf door	Double-leaf door
	(= RAM minus dim. stated below)		Horizontal profile construction	Horizontal profile construction
Opening inwards	– 70 mm		– 50 mm	– 50 mm
Opening outwards	– 70 mm		– 80 mm	– 80 mm

Good reasons to try Hörmann steel tubular frame construction project doors



Particularly narrow door view

S-Line system

HÖRMANN

T30 / T60 / T90 aluminium fire-rated doors

With extensive glazing

Fitting methods

T30

T60

T90



Subject to changes

Fitting methods for brickwork, concrete, gas concrete, partition walls (see the fitting instructions for further fitting methods)

Wall connections		Aluminium tubular frame construction project doors			
	Function	T30	T60	T90	RS
Brickwork					
1	Plug-and-screw fitting	•	•	•	•
2	Anchor fitting	•			•
3	Fitting by welding	•	•	•	•
Partition wall					
4	Screw fixing, flush with wall	•	•	•	•
5	Screw fixing, timber	•	•		•
6	Fitting with UA profile	•			•
7	Fitting by welding	•	•	•	•

• = standard

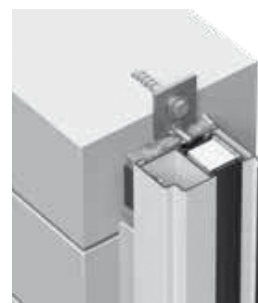
1



2



3



4



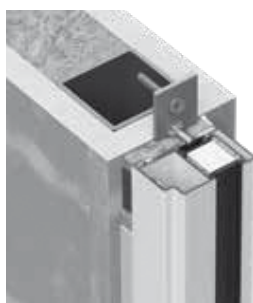
5



6



7



Note:

The illustrations apply to all product groups.

T30 / T60 / T90 aluminium fire-rated doors

With extensive glazing

Fitting methods

T30

T60

T90



Subject to changes

Mixed connections

Note:

Various wall types such as brickwork (1), concrete (2) or partition walls (3) may be used in construction projects depending on the intended use.

All Hörmann aluminium hollow profiled section doors can even be flexibly fitted in situations with different wall types to the left and right of the door and above it. For example, in a concrete wall with a lintel made from a partition wall.

To ensure professional installation, the fire protection requirements must be fulfilled with regard to the permitted wall connections.



Aluminium smoke-tight door assemblies

With extensive glazing

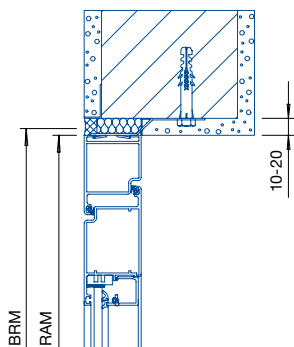
Technical drawings



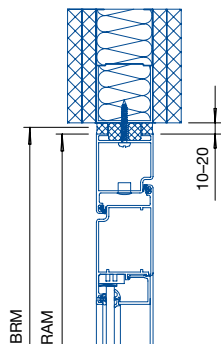
Fitting methods for brickwork, concrete, gas concrete, partition walls (see the fitting instructions for further fitting methods)

A / RS 150 / 250 / 350 aluminium

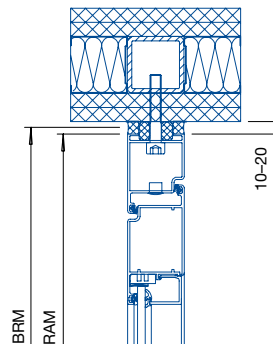
(Structural gap dimensions are recommendations)



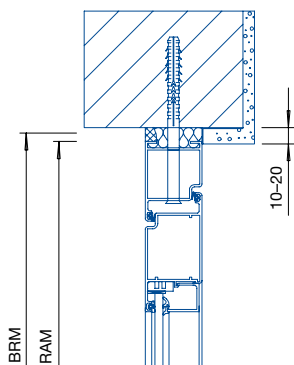
Anchor fitting
with dowel bracket



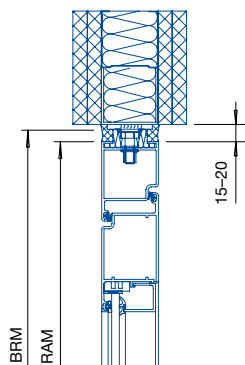
Screw fixing
Prefabricated walls



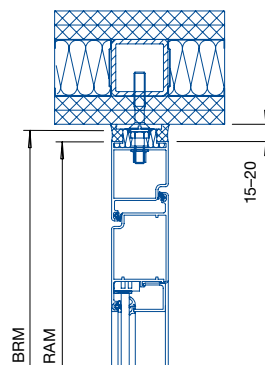
Screw fixing
Prefabricated walls



Through-plug fitting
Interior plaster



Fitting by welding
Prefabricated walls



Fitting by welding
Prefabricated walls

Good reasons to try Hörmann aluminium tubular frame construction project doors



Up to
55 mm
wider clear
passage width

Elegant door view without visible frame face

Frame without face

* compared to door version with fascia frame

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Powder coating on fire-rated doors

Available surface finishes



Standard colour

Powder-coated interior and exterior in RAL 9016 Traffic white or anodised E6 / EV 1

Preferred colours

Powder-coated interior and exterior in the following listed surface finishes:

- RAL 3000 Fire red
- RAL 7016 Anthracite grey
- RAL 9005 Jet black
- RAL 9006 White aluminium
- RAL 9007 Grey aluminium
- DB 703 Anthracite

RAL to choose

Powder-coated interior and exterior in RAL to choose

Special colours

IGP and NCS surface finishes, Sikkens colours, pearl-effect colours.

Notes:

Multi-colour systems

Multi-colour systems are charged the respective surcharge of the price category.

Example: interior RAL to choose, exterior special colour. 1 x surcharge for RAL to choose and 1 x surcharge for special colour.

Gloss levels:

- All colours are delivered in matt (gloss level 35^{±5}) as standard
- Special gloss levels (gloss level 75^{±10}) or high-gloss (gloss level > approx. 85, gloss points according to ISO 2813, 60 degree measuring angle) are available to order

Colouring of aluminium hollow profiled section doors			
Colour version	Colour version for supplied standard accessories		
Door	Overhead door closers	Hinges	Lever handles
RAL 9016	Silver-coloured	E6 / EV 1	Aluminium
E6 / EV 1	Silver-coloured	E6 / EV 1	Aluminium
RAL and special colours	Silver-coloured	E6 / EV 1	Aluminium

(Deviations from the standard are available for a surcharge)

Good reasons to try Hörmann
steel and aluminium tubular frame
construction project doors



Up to
73 mm
wider clear
passage width

Maximum clear passage width

Steel profile frame

* compared to door version with fascia frame

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General order information door closer systems / colour of fittings



General information

General order information

- All door assemblies are made to order.
- Doors and side element or transom light combinations are designed as a coupling construction and open inwards as standard (glazing beads on the hinge side). Please note any surcharges.
- The ordering size is always the overall frame dimension (RAM).
- The prices indicated in this price list are generally surcharges and are only valid in conjunction with a door order.
- The glass is supplied separate as standard but optional fitting of the infill in the leaf at the factory is possible at a surcharge. An additional delivery time of 1 week must be taken into account in this case.
- Double-leaf doors with frame without face are only supplied without glass (glass separate).

Duty categories of doors

DIN EN 1192	Class 3	Doors – classification of strength requirements	Usage category: high to extreme
DIN EN 12217	Class 3	Doors – operating forces – requirements and classification	
DIN EN 12400	Class 6	Windows and doors – mechanical load	Load: frequent
DIN EN 13049	Class 1	Load with a soft, heavy impact	
DIN EN 1935	Class 14	Building hardware – single axis door and window hinges	Usage: very high (Dr. Walter Hahn hinges)

Notes on door closers

- The surcharges listed for door closers are only valid in conjunction with a door order. Prices for separate delivery on request.

Notes on door closers as hold-open devices

- Hold-open devices are suitable for holding open single- and double-leaf fire-rated and smoke-tight doors.
- Hold-open devices consist of a locking device, a smoke detector and a release device with power supply.
- The smoke switch control units of the respective manufacturer must be used with hold-open devices.
- Planning for a hold-open device is done in accordance with the DIBt decision-making diagram.
- Use of hold-open devices for fire-rated and smoke-tight doors has to be officially approved by the authorities. An acceptance test by authorised personnel is mandatory before initial start-up.
- Depending on local requirements, more than 1 smoke detector may be necessary. These must be additionally ordered.
- All of the following prices for door closers / hinged leaf operators do not include fitting, electric installation or initial start-up. (Prices on request)
- When using hinged leaf operators, a security analysis must be carried out on site in accordance with DIN 18650 / DIN EN 16005. This analysis may determine that optional extras are necessary. An appropriate checklist can be downloaded at www.hoermann.de or sent on request.
- Fitting parts such as overhead door closers, operators, lever handles and handles are delivered separately

Good reasons to try Hörmann steel loft doors



Industrial style for living areas and workspaces

**Large glazings with
high-quality steel profiles**

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Statics for aluminium fire-rated door sets

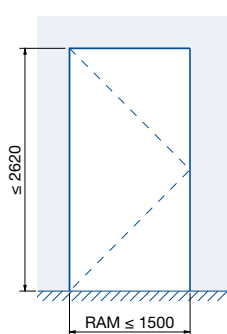
Notes on assemblies without additional statics profiles

HE 311, HE 321 and HE 331 – sizes available in the fast-track programme

This page will provide assistance in finding the simplest design for fire protection elements without the need to take statics into account. No fire protection profile H and no statics profile E will be required in the designs shown if the indicated maximum dimensions are complied with.

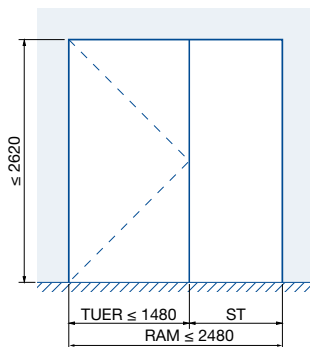
- ▶ ● All designs in compliance with the indicated maximum dimensions (not requiring statics profiles) are available in the fast-track programme
- ▶ Larger dimensions must be checked using the Hörmann statics programme.

HE 311 and HE 331 side element (vertical profile construction)



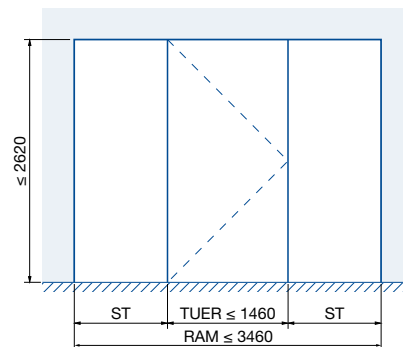
In this version:

- Available in the fast-track programme



In this version:

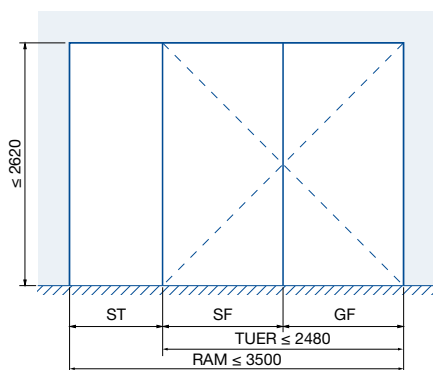
- Fire protection profile H and statics profile E not required
- Dimensions up to an overall width of 4100 mm are possible without statics profile E when coupled
- Available in the fast-track programme



In this version:

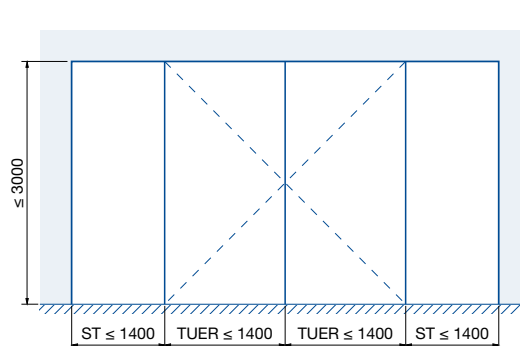
- Fire protection profile H and statics profile E not required
- Dimensions up to an overall width of 6000 mm are possible without statics profile E when coupled
- Available in the fast-track programme

HE 321 and HE 331 side element (vertical profile construction)



In these versions:

- Fire protection profile H and statics profile E not required
- Dimensions up to an overall width of 6000 mm are possible without statics profile E when coupled
- Available in the fast-track programme

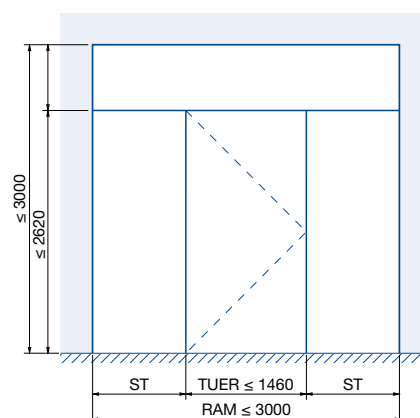
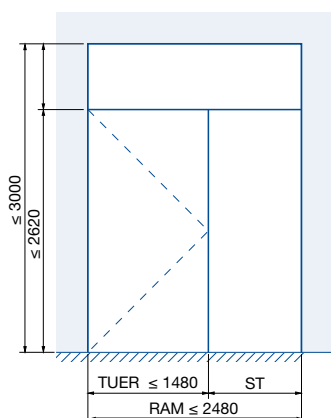


Statics for aluminium fire-rated door sets

Notes on assemblies without additional statics profiles

HE 311, HE 321 and HE 331 – sizes available in the fast-track programme

HE 311 and HE 331 side element and HE 331 continuous transom light – (vertical / horizontal profile construction)



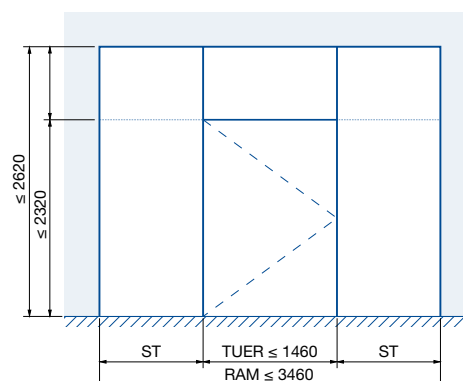
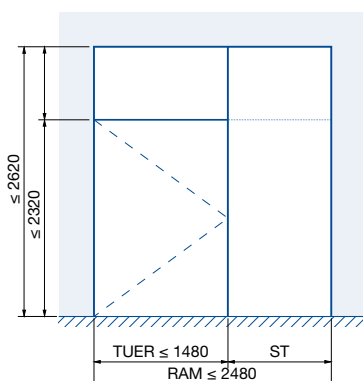
In this version:

- Larger dimensions are possible when coupled
- Max. total element width 3000 mm
- ● Available in the fast-track programme

In this version:

- Fire protection profile H and statics profile E not required
- Max. total element width 3000 mm
- ● Available in the fast-track programme

HE 311 and HE 331 continuous side element and HE 331 transom light (vertical / horizontal profile construction)



In these versions:

- Fire protection profile H and statics profile E not required
- Larger dimensions up to a max. total door set width of 4000 mm are possible without a statics profile when coupled
- ● Available in the fast-track programme

RAM Overall frame dimension
GF Traffic leaf
SF Fixed leaf
ST Side element

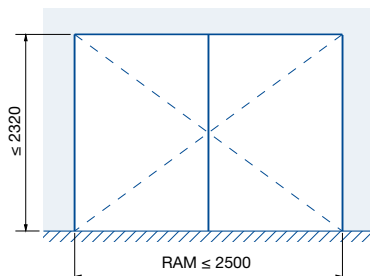
TUER Door
OL Transom light

Statics for aluminium fire-rated door sets

Notes on assemblies without additional statics profiles

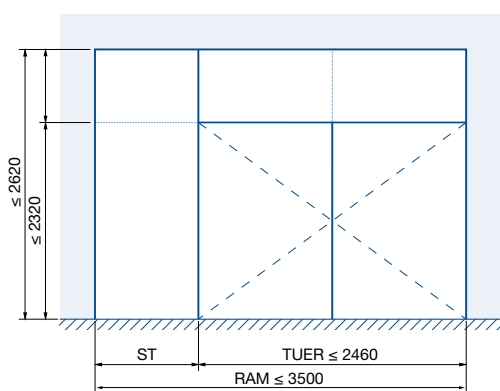
HE 311, HE 321 and HE 331, sizes available in the fast-track programme

HE 321 and HE 331 continuous side element and HE 331 transom light (vertical / horizontal profile construction)



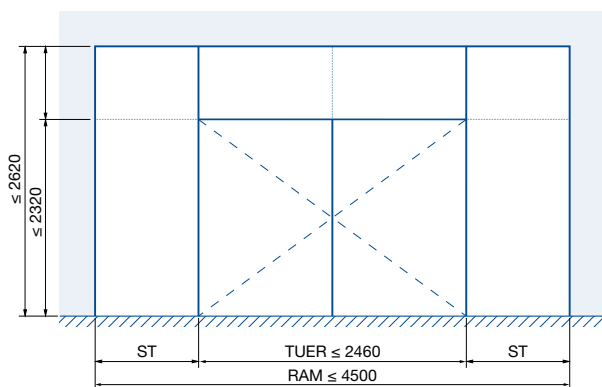
In this version:

- Available in the fast-track programme



In this version:

- Fire protection profile H and statics profile E not required
- Larger dimensions up to a max. total door set width of 4000 mm are possible without a statics profile when coupled
- Available in the fast-track programme



In this version:

- Fire protection profile H and statics profile E not required
- Larger dimensions up to a max. total door set width of 5500 mm are possible without a statics profile when coupled
- Available in the fast-track programme

HE 331 continuous side element and HE 331 transom light

- Separate side element max. 1480 × 2620 mm,
 - Available in the fast-track programme
- Separate transom light max. 2500 × 1000 mm,
 - Available in the fast-track programme

Optional glass-dividing rails

- Optional rails as a vertical or horizontal profile extension
 - Available in the fast-track programme

RAM Overall frame dimension
GF Traffic leaf
SF Fixed leaf
ST Side element

TUEP Door
OL Transom light

Statics for aluminium fire-rated door sets

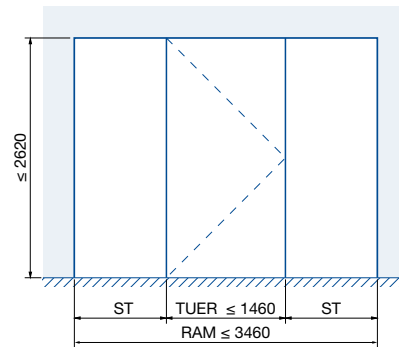
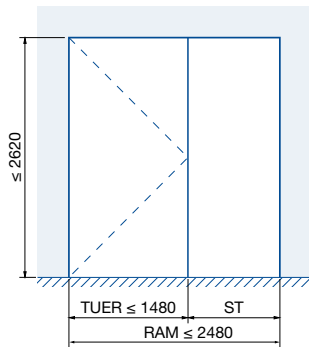
Notes on assemblies without additional statics profiles

HE 911, HE 921 and HE 931

This page will provide assistance in finding the simplest design for fire protection elements without the need to take statics into account. If the indicated maximum dimensions are complied with, the specified designs will not require statics profile E. The fire protection profile H is required for horizontal couplings or horizontal profiles > 1500 mm.

► Larger dimensions must be checked using the Hörmann statics programme.

HE 911 and HE 931 side element (vertical profile construction)



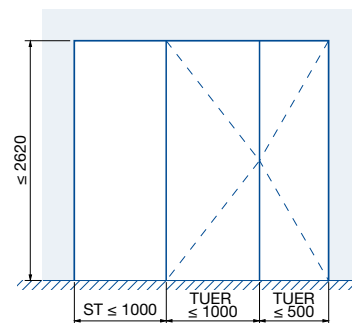
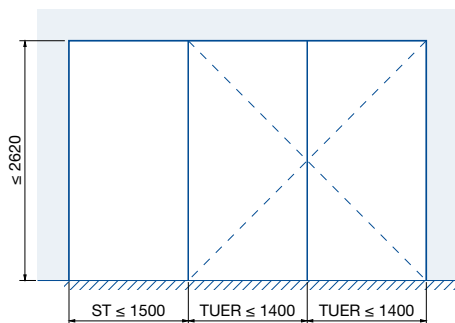
In this version:

- Fire protection profile H and statics profile E not required
- Larger dimensions up to a max. total door set width of 2850 mm are possible without a statics profile when coupled

In this version:

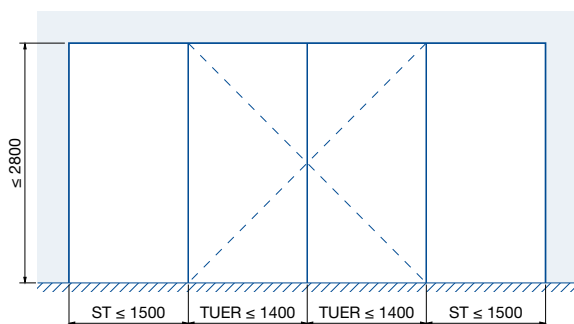
- A fire protection profile H is always required from a total width of 2850 mm

HE 911 and HE 931 side element (vertical profile construction)



- A vertical fire protection profile H is required if the total width is > 2850 mm

- No statics required
- A fire protection profile H is always required from a total width of 2850 mm



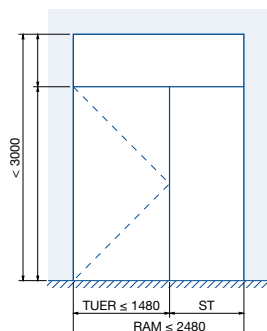
- A fire protection profile H (2 x vertical) is always required, even in the version with coupled side elements

Statics for aluminium fire-rated door sets

Notes on assemblies without additional statics profiles

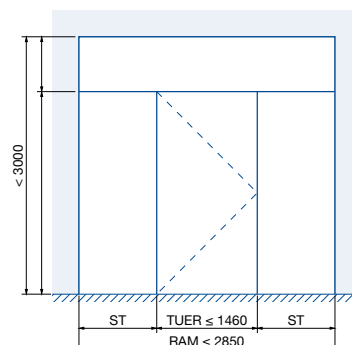
HE 911, HE 921 and HE 931

HE 911 and HE 931 continuous side element and HE 931 transom light (vertical / horizontal profile construction)



In this version:

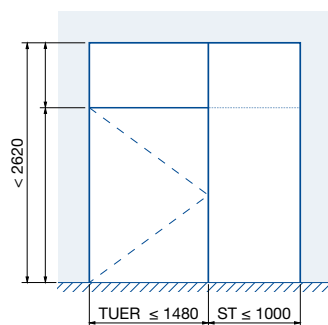
- Fire protection profile H is required on the horizontal profile, as the horizontal coupling / horizontal profile is > 1500 mm
- No vertical statics required, as the total width is < 2850 mm
- Larger dimensions up to a max. total door set width of 2850 mm are possible without a statics profile when coupled



In this version:

- Fire protection profile H is required on the horizontal profile, as the horizontal coupling / horizontal profile is > 1500 mm
- The element may not be wider than 2850 mm. A connection with further fire-proof glazing is not possible.

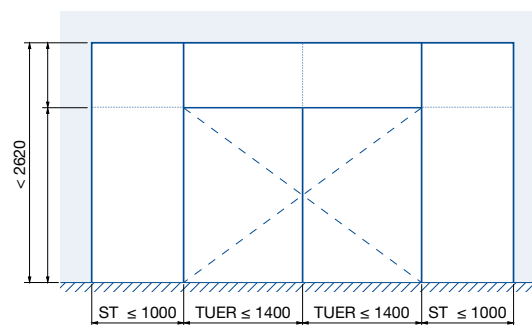
HE 911 with continuous side element and transom light



In this version:

- No fire protection profile H required
 - because: horizontal coupling / horizontal profile < 1500 mm
 - because: total width < 2850 mm

HE 921 with continuous side element and transom light (vertical / horizontal profile coupling construction)



In this version:

- A fire protection profile H (2 × vertical and 1 × horizontal) is always required, even in the version with coupled side elements
 - because: horizontal coupling / horizontal profile > 1500 mm
 - because: a fire protection profile H is required every 2850 mm
 - because: total width > 2850 mm

RAM Overall frame dimension
GF Traffic leaf
SF Fixed leaf
ST Side element

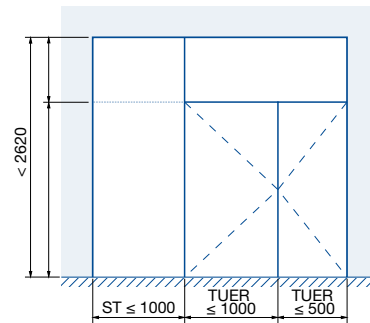
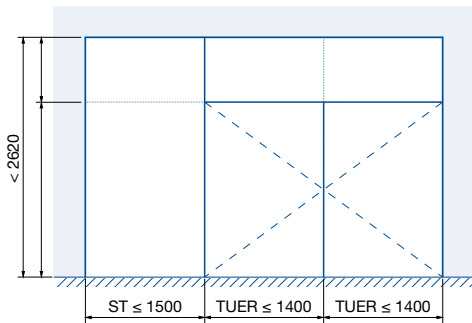
TUER Door
OL Transom light

Statics for aluminium fire-rated door sets

Notes on assemblies without additional statics profiles

HE 911, HE 921 and HE 931

HE 921 with continuous side element and transom light



In this version:

- A fire protection profile H is always required (vertical and horizontal), even in the version with coupled side elements
 - because: horizontal coupling / horizontal profile > 1500 mm
 - because: a fire protection profile H is required every 2850 mm

In this version:

- NO fire protection profile H required
 - because: horizontal coupling / horizontal profile < 1500 mm
 - because: total width < 2850 mm

Statics for aluminium smoke-tight door sets

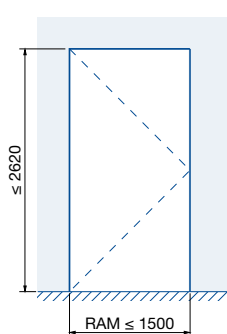
Notes on assemblies without additional statics profiles

A / RS-100, A / RS-200 and A / RS-300 – sizes available in the fast-track programme

This page will assist you in finding the simplest design for smoke-tight door sets without the need to take statics into account. No fire protection profile H and no statics profile E will be required in the designs shown if the indicated maximum dimensions are complied with.

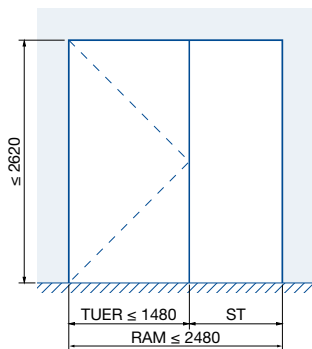
- ▶ **Available in the fast-track programme**
- ▶ **Larger dimensions must be checked using the Hörmann statics programme.**

A / RS 100 and A / RS 300 side element (vertical profile construction)



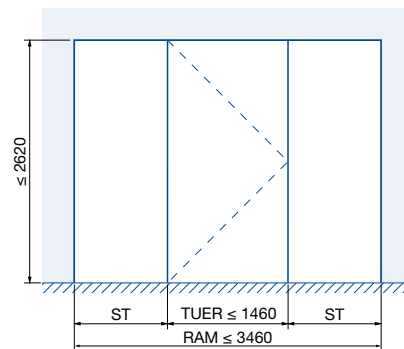
In this version:

- Available in the fast-track programme



In this version:

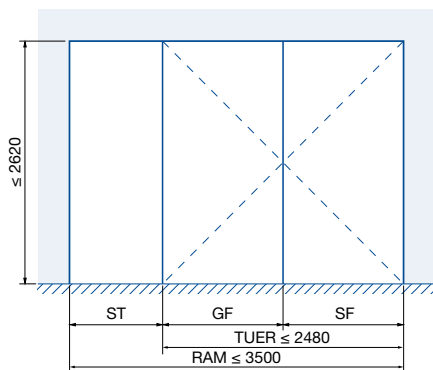
- Statics profile E not required
- Dimensions up to an overall width of 4100 mm are possible without statics profile E when coupled
- Available in the fast-track programme



In this version:

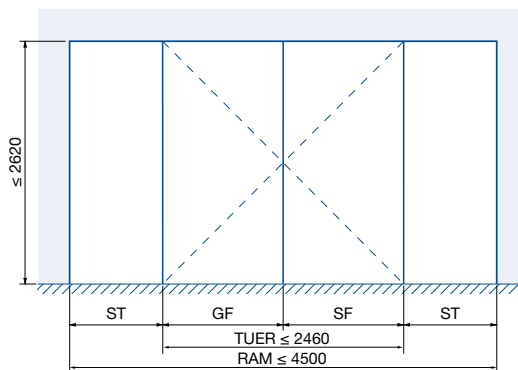
- Statics profile E not required
- Dimensions up to an overall width of 6000 mm are possible without statics profile E when coupled
- Available in the fast-track programme

A / RS 200 and A / RS 300 side element (vertical profile construction)



In these versions:

- Statics profile E not required
- Dimensions up to an overall width of 6000 mm are possible without statics profile E when coupled
- Available in the fast-track programme

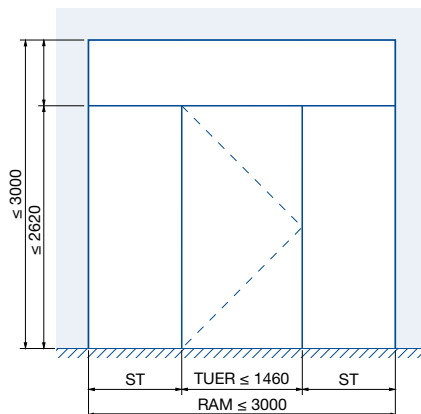
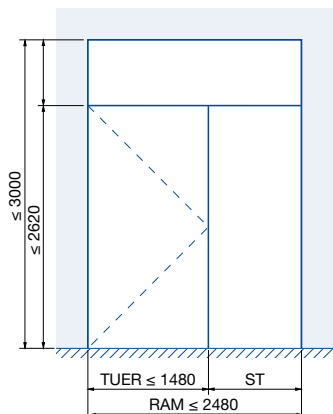


Statics for aluminium smoke-tight door sets

Notes on assemblies without additional statics profiles

A / RS-100, A / RS-200 and A / RS-300 – sizes available in the fast-track programme

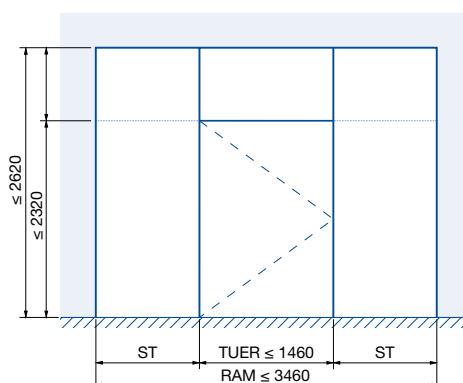
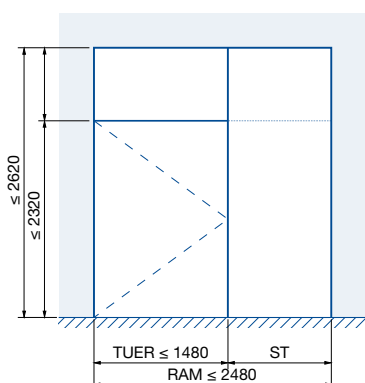
A / RS 100 and A / RS 300 side element and A / RS 300 continuous transom light
(vertical / horizontal profile construction)



In these versions:

- Statics profile E not required
- Max. total element width 3000 mm
- ● Available in the fast-track programme

A / RS 100 and A / RS 300 continuous side element and A / RS 300 transom light
(vertical / horizontal profile construction)



In these versions:

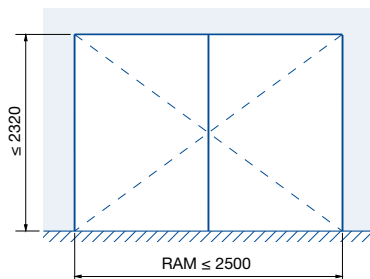
- Statics profile E not required
- Larger dimensions up to a max. total door set width of 4000 mm are possible without a statics profile when coupled
- ● Available in the fast-track programme

Statics for aluminium fire-rated door sets

Notes on assemblies without additional statics profiles

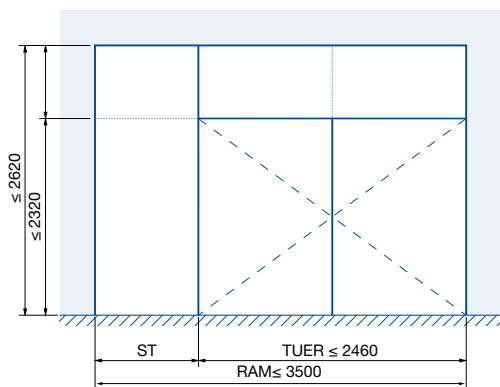
A / RS-100, A / RS-200 and A / RS-300 – sizes available in the fast-track programme

A / RS 200 and A / RS 300 continuous side element and A / RS 300 transom light (vertical / horizontal profile construction)



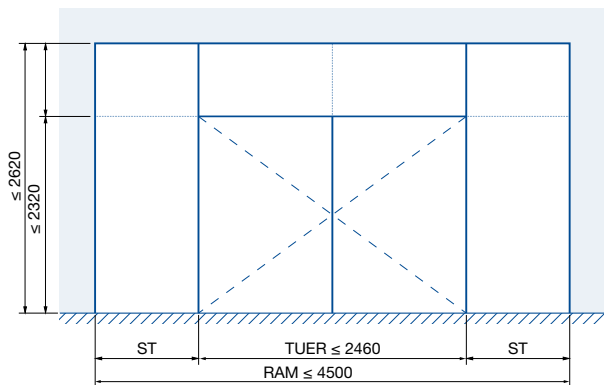
In this version:

- Available in the fast-track programme



In this version:

- Statics profile E not required
- Larger dimensions up to a max. overall door set width of 4000 mm are possible without a statics profile when coupled
- Available in the fast-track programme



In this version:

- Statics profile E not required
- Larger dimensions up to a max. total door set width of 5500 mm are possible without a statics profile when coupled
- Available in the fast-track programme

A / RS 300 continuous side element and A / RS 300 transom light

- Separate side element max. 1480 x 2620 mm,
 - Available in the fast-track programme
- Separate transom light max. 2500 x 1000 mm,
 - Available in the fast-track programme

Optional glass-dividing rails

- Optional rails as a vertical or horizontal profile extension
 - Available in the fast-track programme

Good reasons to try Hörmann steel tubular frame construction project doors



Particularly narrow door view

S-Line system

HÖRMANN

Good reasons to try Hörmann aluminium tubular frame construction project doors



Up to
55 mm
wider clear
passage width

Elegant door view without visible frame face

Frame without face

* compared to door version with fascia frame

HÖRMANN

Aluminium tubular frame parts

Contents



Aluminium fire-rated doors				From page
T30 / EI₂₃₀				
	HE 311	Single-leaf	Fire-retarding	70
	HE 321	Double-leaf	Fire-retarding	76
	F30 transom lights and side elements HE 331		Fire-retarding and smoke-tight	84
Frames for T30 fire-rated doors				
	Corner and profile frames			90
T60				
	T60-1 door HE 611	Single-leaf	High fire resistance	94
	T60-2 door HE 621	Double-leaf	High fire resistance	96
	F60 transom lights and side elements HE 631		High fire resistance and smoke-tight	102
T90				
	T90-1 door HE 911	Single-leaf	Fire-proof	94
	T90-2 door HE 921	Double-leaf	Fire-proof	96
	F90 transom lights and side elements HE 931		Fire-proof and smoke-tight	102



Aluminium smoke-tight door assemblies				From page
Smoke-tight door assemblies				
	A / RS 150 door	Single-leaf		110
	A / RS 250 door	Double-leaf		114
	A / RS 350 glazing			122
Insulated smoke-tight door assemblies				
	A / RS 100 door	Single-leaf	Insulated	128
	A / RS 200 door	Double-leaf	Insulated	132
	A / RS 300 glazing		Insulated	142
Frames for smoke-tight door assemblies				
	Corner and profile frames			90



Aluminium internal doors				From page
	ES 50 door	Single-leaf		150
		Double-leaf		154
	ES 50 glazing	Side element / fixed glazing		160
Frames for internal doors				
	Corner and profile frames			166

Overhead door closers	From page 194
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Fittings and optional extras	From page 180
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Operators	From page 206
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HE 311 – aluminium hollow profiled section door

Fire-rated doors T30 / EI₂30, single-leaf

T30

Approved as	T30 internal door	EI ₂ 30 external door	T30 internal door	T30 internal door
	HE 311	HE 311	HE 311 With frame without face	HE 311 With steel frame
Depth [mm]	80	80	80	80
RAM width (min – max) [mm]	605 – 1500	605 – 1500	788 – 1415	BRM 535 – 1430
RAM height (min – max) [mm]	1740 – 4000	1740 – 3000	1710 – 2500	BRM 1705 – 2965
RAM including transom light max. [mm]			1415 x 3000	BRM 1430 – 3500
Optional additional functions	  RC2 RC3 	  RC2 RC3  	  RC2 RC3 	  RC2 RC3 

Detailed product description

Technical description, fitting instructions, fast-track programme

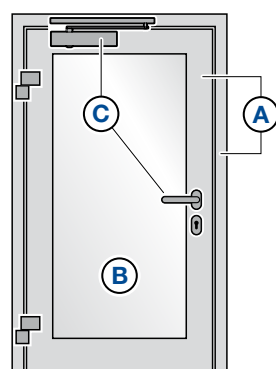
HE 311

HE 311 with frame without face

HE 311 in external applications

HE 311 with steel frame

See page 24



Set price =

- A** Frame / leaf
- + **B** Glazings
- + **C** Fittings / additional functions

Already included in the price:

- 1 x mortice lock BKS 1828
- 2 x 3-way adjustable door hinge Dr. Hahn 4, EV 1, 20 mm pivot point, two-part

► State opening sense on order!

* For an overview of available surface finishes, see page 54



Frame / leaf

Ordering sizes (RAM) up to width x up to height			Frame / door leaf price HE 311 RAL 9016, E6/EV1	m ² Glazing area	Surface coating * Surcharge		
					Preferred colour	RAL to choose	Special colour
1020	x	2010	2838	1,30	139	180	271
		2135	2883	1,39	143	185	278
		2290	2939	1,51	146	190	284
		2385	2973	1,58	150	195	292
		2510	3017	1,67	153	199	299
		2600	3049	1,74	156	202	303
		2710	3088	1,82	157	205	307
		2885	3151	1,95	160	209	313
		3000	3191	2,04	162	211	316
1145	x	2010	2883	1,52	145	189	283
		2135	2927	1,63	149	193	291
		2290	2982	1,76	151	196	294
		2385	3017	1,84	154	201	301
		2510	3062	1,95	157	205	307
		2600	3093	2,03	159	207	310
		2710	3133	2,13	161	210	315
		2885	3194	2,28	166	215	325
		3000	3236	2,38	172	223	333
1270	x	2010	2927	1,73	150	195	292
		2135	2973	1,86	153	199	299
		2290	3028	2,01	157	205	307
		2385	3062	2,11	159	207	310
		2510	3105	2,23	161	210	315
		2600	3138	2,32	163	212	318
		2710	3178	2,43	166	215	325
		2885	3240	2,61	173	225	337
		3000	3281	2,72	175	227	341

► For additional size ranges, see next page

Other door versions

Surcharge €



Frame view 110 mm instead of 70 mm (standard)

Per m

31

Aluminium frame without face

Aluminium frame without face with stainless steel guide rollers and integrated door closer ITS 96

1136

HE 311 in external applications



Threshold with thermal break for water tightness under heavy rain (*standard* for outside application)

110

Top locking (only for doors from RAM height > 2150 mm, optional triple lock)

428

F30 insulated glazing (U-value: 1.1)

Per m²



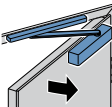














1464

Glazings, door fittings, additional functions

HE 311 – aluminium hollow profiled section door



B	Glazing (standard delivery glass / panel separate)			Surcharge €
	Fitting of the glass or panel at the factory (observe the order information on page 56!)			Per leaf 189
For interior applications		No.	Max. glass dimensions	Per m² €
Standard F30 glazing		500	1400 × 2500 mm	797
F30 glazing with matt PVB plastic film		687	1400 × 2500 mm	1102
F30 fire protection panel (2 × aluminium sheets, interior fire-proof core)		502	1200 × 2500 mm	735
For external applications		No.	Max. glass dimensions	Per m² €
F30 insulated glazing (as standard for external applications, U-value: 1.1)		407	1250 × 3000 mm	1464
F30 insulated glazing with matt PVB plastic film		555	1250 × 3000 mm	2012

C		Fittings / additional functions		Surcharge €	
	<ul style="list-style-type: none">• Lever handle set D116, oval rose escutcheon PC		Standard	Aluminium	93
				Stainless steel	131
	<ul style="list-style-type: none">• Lever / knob handle set D116 with knob K117, oval rose escutcheon PC			Aluminium	140
				Stainless steel	206
	<ul style="list-style-type: none">• HDC 35 EN 3–5 with slide rail• Fitting on opening side (hinge side)• RAM width min. 605 mm, max. 1270 mm	 Up to RAM width 1270 mm	Standard	Silver-coloured	203
				RAL to choose	263
		 From RAM width 1271 mm		Silver-coloured	292
				RAL to choose	341
	<ul style="list-style-type: none">• Mortice lock BKS 1828	Standard			
	<ul style="list-style-type: none">• Mortice lock BKS 1820 for change-over function B• Mortice lock BKS 1824 for passage function D• Mortice lock BKS 1826 for lever / knob function E	Anti-panic function, single-leaf / half anti-panic, double-leaf		284	
		Anti-panic function, single-leaf / half anti-panic, double-leaf		216	
		Anti-panic function, single-leaf / half anti-panic, double-leaf		137	
	<ul style="list-style-type: none">• Standard door hinge (Dr. Hahn 4), 20 mm pivot point, two-part, 3-way adjustable  Please take into consideration 2 hinges for the leaf!	EV1	Standard		
		RAL to choose	Per hinge	59	
		Stainless steel look	Per hinge	82	
	<ul style="list-style-type: none">• Hörmann guide roller, 2-way adjustable  Please take into consideration 2 hinges for the leaf!	Stainless steel	Per hinge	167	
		RAL to choose	Per hinge	197	
Smoke-tight acc. to DIN 18095 / DIN EN 1634-3					
		Retractable bottom seal			
		<ul style="list-style-type: none">• For fitting on a smooth, level floor			
		 Limited leak tightness of doors in outside application		Single-leaf	167
		Delayed retractable bottom seal			
		<ul style="list-style-type: none">• Suitable with different pressure ratios (air locks)• For fitting on a smooth, level floor		Single-leaf	310
		 Limited leak tightness of doors in outside application			
		Floor covering transition profile			
		Stainless steel flat material 38 x 1.2 mm, optional e.g. for tiles or carpeted floor		Single-leaf	34














Accessories

Glazings and infills	See from page 172
Horizontal rails / vertical rails	See page 193
Fittings	See from page 180
Lever handle sets, profile cylinders, locks and electric extras	
Door closers, hold-open devices and operators	See from page 194
Security features RC 2 / RC 3 acc. to DIN EN 1627	See from page 178
Steel frames for tubular frame parts	See from page 90

HE 311 – aluminium hollow profiled section door

Fire-rated doors T30 / EI₂30, single-leaf

T30

Approved as	T30 internal door	EI ₂ 30 external door	T30 internal door	T30 internal door
	HE 311	HE 311	HE 311 With frame without face	HE 311 With steel frame
Depth [mm]	80	80	80	80
RAM width (min – max) [mm]	605 – 1500	605 – 1500	788 – 1415	BRM 535 – 1430
RAM height (min – max) [mm]	1740 – 4000	1740 – 3000	1710 – 2500	BRM 1705 – 2965
RAM including transom light max. [mm]			1415 x 3000	BRM 1430 – 3500
Optional additional functions	  RC2 RC3 	  RC2 RC3  	  RC2 RC3 	  RC2 RC3 

Detailed product description

Technical description, fitting instructions, fast-track programme

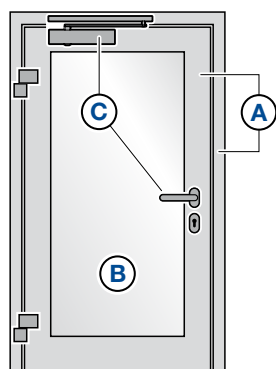
HE 311

HE 311 with frame without face

HE 311 in external applications

HE 311 with steel frame

See page 33



Set price =

- A** Frame / leaf
- + **B** Glazings
- + **C** Fittings / additional functions

Already included in the price:

- 1 x mortice lock BKS 1828
- 2 x 3-way adjustable door hinge Dr. Hahn 4, EV 1, 20 mm pivot point, two-part





Frame / leaf

Ordering sizes (RAM) up to width x up to height			Frame / door leaf price	m ² Glazing area	Surface coating * Surcharge		
			HE 311 RAL 9016, E6/EV1		Preferred colour	RAL to choose	Special colour
1370	x	2010	2963	1,91	150	195	292
		2135	3008	2,05	153	199	299
		2290	3064	2,22	157	205	307
		2385	3098	2,32	158	206	309
		2510	3141	2,46	161	210	315
		2600	3174	2,56	163	212	318
		2710	3213	2,68	166	215	325
		2885	3276	2,87	174	226	338
		3000	3317	3,00	176	228	342
1500	x	2010	3009	2,13	154	201	301
		2135	3054	2,29	157	205	307
		2290	3109	2,48	161	210	315
		2385	3144	2,59	163	212	318
		2510	3188	2,75	166	215	325
		2600	3220	2,86	172	223	333
		2710	3260	2,99	174	226	338
		2885	3321	3,21	178	231	347
		3000	3364	3,35	180	235	353

► State opening sense on order!

* For an overview of available surface finishes,
see page 54

Other door versions		Surcharge €
	Frame view 110 mm instead of 70 mm (standard)	Per m 31
Aluminium frame without face		
Aluminium frame without face with stainless steel guide rollers and integrated door closer ITS 96		1136
HE 311 in external applications		
	Threshold with thermal break for water tightness under heavy rain (<i>standard</i> for outside application)	110
	Top locking (only for doors from RAM height > 2150 mm, optional triple lock)	428
	F30 insulated glazing (U-value: 1.1)	Per m ² 1464

Glazings, door fittings, additional functions

HE 311 – aluminium hollow profiled section door



B

Glazing (standard delivery glass / panel separate)			Surcharge €
Fitting of the glass or panel at the factory (observe the order information on page 56!)			Per leaf 189
For interior applications	No.	Max. glass dimensions	Per m² €
Standard F30 glazing	500	1400 × 2500 mm	797
F30 glazing with matt PVB plastic film	687	1400 × 2500 mm	1102
F30 fire protection panel (2 × aluminium sheets, interior fire-proof core)	502	1200 × 2500 mm	735
For external applications	No.	Max. glass dimensions	Per m² €
F30 insulated glazing (as standard for external applications, U-value: 1.1)	407	1250 × 3000 mm	1464
F30 insulated glazing with matt PVB plastic film	555	1250 × 3000 mm	2012

C Fittings / additional functions		Surcharge €		
	• Lever handle set D116 , oval rose escutcheon PC	Standard	Aluminium 93	
			Stainless steel 131	
	• Lever / knob handle set D116 with knob K117 , oval rose escutcheon PC		Aluminium 140	
			Stainless steel 206	
	• HDC 35 EN 3–5 with slide rail	⚠ Up to RAM width 1270 mm	Standard	Silver-coloured 203
	• Fitting on opening side (hinge side)			RAL to choose 263
	• RAM width min. 605 mm, max. 1270 mm			
	• TS 5000 EN 2–6 with slide rail	⚠ From RAM width 1271 mm		Silver-coloured 292
• Fitting on opening side (hinge side)			RAL to choose 341	
• RAM width min. 605 mm, max. 1500 mm				
	• Mortice lock BKS 1828		Standard	
	• Mortice lock BKS 1820 for change-over function B	Anti-panic function, single-leaf / half anti-panic, double-leaf		284
	• Mortice lock BKS 1824 for passage function D	Anti-panic function, single-leaf / half anti-panic, double-leaf		216
	• Mortice lock BKS 1826 for lever / knob function E	Anti-panic function, single-leaf / half anti-panic, double-leaf		137
	• Standard door hinge (Dr. Hahn 4), 20 mm pivot point, two-part, 3-way adjustable ⚠ Please take into consideration 2 hinges for the leaf!	EV1	Standard	
		RAL to choose	Per hinge	59
		Stainless steel look	Per hinge	82
	• Hörmann guide roller, 2-way adjustable ⚠ Please take into consideration 2 hinges for the leaf!	Stainless steel	Per hinge	167
		RAL to choose	Per hinge	197
Smoke-tight acc. to DIN 18095 / DIN EN 1634-3				
	Retractable bottom seal			
	• For fitting on a smooth, level floor		Single-leaf	167
	⚠ Limited leak tightness of doors in outside application			
	Delayed retractable bottom seal			
	• Suitable with different pressure ratios (air locks)		Single-leaf	310
	• For fitting on a smooth, level floor			
	⚠ Limited leak tightness of doors in outside application			
	Floor covering transition profile			
	Stainless steel flat material 38 x 1.2 mm, optional e.g. for tiles or carpeted floor		Single-leaf	34













Accessories

Glazings and infills	See from page 172
Horizontal rails / vertical rails	See from page 193
Fittings	See from page 180
Lever handle sets, profile cylinders, locks and electric extras	
Door closers, hold-open devices and operators	See from page 194
Security features RC 2 / RC 3 acc. to DIN EN 1627	See from page 178
Steel frames for tubular frame parts	See from page 90

HE 321 – aluminium hollow profiled section door

T30

Fire-rated doors T30 / EI₂30, double-leaf

Approved as	T30 internal door	EI ₂ 30 external door	T30 internal door	T30 internal door
	HE 321	HE 321	HE 321 With frame without face	HE 321 With steel frame
Depth [mm]	80	80	80	80
RAM width (min – max) [mm]	1355 × 3000	1400 × 3000	1538 × 2810	BRM 1285 × 2930
RAM height (min – max) [mm]	1740 × 4000	1740 × 3000	1710 × 2500	BRM 1705 × 2965
RAM including transom light max. [mm]			2810 × 3000	BRM 2930 × 3500
Optional additional functions	  	  	  	  

Detailed product description

Technical description, fitting instructions, fast-track programme

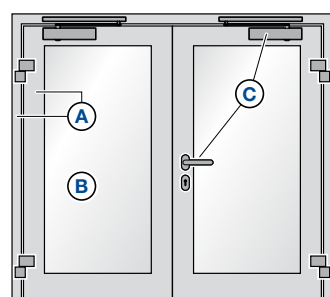
HE 321

HE 321 with frame without face

HE 321 in external applications

HE 321 with steel frame

See page 24



Set price =

- A** Frame / leaf
- + **B** Glazings
- + **C** Fittings / additional functions

Already included in the price:

- 1 × mortice lock BKS 1828, incl. espagnolette lock (fixed leaf)
- 4 × 3-way adjustable door hinge Dr. Hahn 4, EV 1, 20 mm pivot point, two-part

► State opening sense on order!

* For an overview of available surface finishes, see page 54



Frame / leaf

Ordering sizes (RAM) up to width × up to height			Frame / door leaf price HE 321 RAL 9016, E6/EV1	m ² Glazing area	Surface coating * Surcharge		
					Preferred colour	RAL to choose	Special colour
1500	×	2010	4666	1,86	231	301	453
		2135	4712	2,00	235	306	458
		2290	4769	2,16	241	313	470
		2385	4803	2,26	243	316	475
		2510	4849	2,40	248	324	485
		2600	4882	2,49	250	326	488
		2710	4922	2,61	256	332	498
		2885	4986	2,80	260	338	508
		3000	5028	2,92	262	341	511
1645	×	2010	4718	2,11	236	308	462
		2135	4765	2,27	241	313	470
		2290	4821	2,45	248	324	485
		2385	4856	2,57	250	326	488
		2510	4901	2,72	256	332	498
		2600	4934	2,83	258	334	502
		2710	4975	2,96	261	339	509
		2885	5039	3,18	266	347	522
		3000	5081	3,32	271	352	526
1770	×	2010	4765	2,33	242	314	472
		2135	4809	2,50	246	318	480
		2290	4867	2,71	255	330	494
		2385	4901	2,83	257	333	501
		2510	4948	3,00	260	338	508
		2600	4981	3,12	263	343	516
		2710	5021	3,27	266	347	522
		2885	5084	3,50	274	355	534
		3000	5127	3,66	277	360	540

► For additional size ranges, see next page

Other door versions

Surcharge €



Frame view 110 mm instead of 70 mm (standard)

Per m

31

Aluminium frame without face

Aluminium frame without face with stainless steel guide rollers and integrated door closer ITS 96

2370

HE 321 in external applications



Threshold with thermal break for water tightness under heavy rain (*standard* for outside application)

219

Top locking (only for doors from RAM height > 2150 mm, optional triple lock)

428

F30 insulated glazing (U-value: 1.1)

Per m²

1464

Glazings, door fittings, additional functions

HE 321 – aluminium hollow profiled section door



B

Glazing (standard delivery glass / panel separate)			Surcharge €
Fitting of the glass or panel at the factory (observe the order information on page 56!)			Per leaf 189
For interior applications	No.	Max. glass dimensions	Per m² €
Standard F30 glazing	500	1400 × 2500 mm	797
F30 glazing with matt PVB plastic film	687	1400 × 2500 mm	1102
F30 fire protection panel (2 × aluminium sheets, interior fire-proof core)	502	1200 × 2500 mm	735
For external applications	No.	Max. glass dimensions	Per m² €
F30 insulated glazing (as standard for external applications, U-value: 1.1)	407	1250 × 3000 mm	1464
F30 insulated glazing with matt PVB plastic film	555	1250 × 3000 mm	2012

C		Fittings / additional functions	Surcharge €	
	<ul style="list-style-type: none">Lever handle set D116, oval rose escutcheon PC	Standard	Aluminium	93
			Stainless steel	131
	<ul style="list-style-type: none">Lever / knob handle set D116 with knob K117, oval rose escutcheon PC		Aluminium	140
			Stainless steel	206
	<ul style="list-style-type: none">TS 5000 ISM with slide railFitting on opening side (hinge side)Opening angle 173°	Standard	Silver-coloured	616
			RAL to choose	760
	<ul style="list-style-type: none">Mortice lock BKS 1828 including espagnolette lock (fixed leaf)			Standard
	<ul style="list-style-type: none">Mortice lock BKS 1821 for change-over function B including anti-panic espagnolette lockMortice lock BKS 1825 for passage function D including anti-panic espagnolette lockMortice lock BKS 1827 for lever / knob function E including anti-panic espagnolette lock	Anti-panic function double-leaf		695
		Anti-panic function double-leaf		534
		Anti-panic function double-leaf		539
	<ul style="list-style-type: none">Standard door hinge (Dr. Hahn 4), 20 mm pivot point, two-part, 3-way adjustable Please take into consideration 2 hinges for the leaf!	EV1	Standard	
		RAL to choose	Per hinge	59
		Stainless steel look	Per hinge	82
	<ul style="list-style-type: none">Hörmann guide roller, 2-way adjustable Please take into consideration 2 hinges for the leaf!	Stainless steel	Per hinge	167
		RAL to choose	Per hinge	197
Smoke-tight acc. to DIN 18095 / DIN EN 1634-3				
	<ul style="list-style-type: none">Retractable bottom sealFor fitting on a smooth, level floor Limited leak tightness of doors in outside application		Double-leaf	334
	<ul style="list-style-type: none">Delayed retractable bottom sealSuitable with different pressure ratios (air locks)For fitting on a smooth, level floor Limited leak tightness of doors in outside application		Double-leaf	620
	<ul style="list-style-type: none">Floor covering transition profileStainless steel flat material 38 x 1.2 mm, optional e.g. for tiles or carpeted floor		Double-leaf	69













Accessories

Glazings and infills	See from page 172
Horizontal rails / vertical rails	See page 193
Fittings Lever handle sets, profile cylinders, locks and electric extras	See from page 180
Door closers, hold-open devices and operators	See from page 196
Security features RC 2 / RC 3 acc. to DIN EN 1627	See from page 178
Steel frames for tubular frame parts	See from page 90

HE 321 – aluminium hollow profiled section door

T30

Fire-rated doors T30 / EI₂30, double-leaf

Approved as	T30 internal door	EI ₂ 30 external door	T30 internal door	T30 internal door
	HE 321	HE 321	HE 321 With frame without face	HE 321 With steel frame
Depth [mm]	80	80	80	80
RAM width (min – max) [mm]	1355 × 3000	1400 × 3000	1538 × 2810	BRM 1285 × 2930
RAM height (min – max) [mm]	1740 × 4000	1740 × 3000	1710 × 2500	BRM 1705 × 2965
RAM including transom light max. [mm]			2810 × 3000	BRM 2930 × 3500
Optional additional functions	  	  	  	  

Detailed product description

Technical description, fitting instructions, fast-track programme

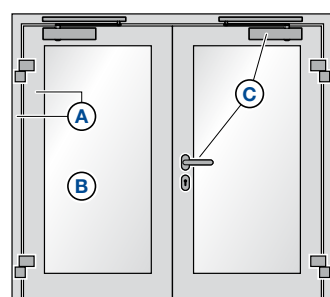
HE 321

HE 321 with frame without face

HE 321 in external applications

HE 321 with steel frame

See page 24



Set price =

- A** Frame / leaf
- + **B** Glazings
- + **C** Fittings / additional functions

Already included in the price:

- 1 × mortice lock BKS 1828, incl. espagnolette lock (fixed leaf)
- 4 × 3-way adjustable door hinge Dr. Hahn 4, EV 1, 20 mm pivot point, two-part

► State opening sense on order!

* For an overview of available surface finishes, see page 54



Frame / leaf

Ordering sizes (RAM) up to width × up to height			Frame / door leaf price HE 321 RAL 9016, E6/EV1	m ² Glazing area	Surface coating * Surcharge		
					Preferred colour	RAL to choose	Special colour
1895	×	2010	4809	2,55	248	324	485
		2135	4856	2,73	255	330	494
		2290	4912	2,96	259	336	505
		2385	4948	3,10	260	338	508
		2510	4992	3,28	264	344	517
		2600	5026	3,41	268	350	525
		2710	5066	3,57	274	355	534
		2885	5130	3,83	278	361	541
2020	×	3000	5172	4,00	282	366	551
		2010	4856	2,77	255	330	494
		2135	4901	2,96	258	334	502
		2290	4948	3,21	262	341	511
		2385	4992	3,36	264	344	517
		2510	5039	3,56	271	352	526
		2600	5072	3,70	274	355	534
		2710	5113	3,88	278	361	541
2145	×	2885	5176	4,16	284	370	556
		3000	5218	4,34	291	379	569
		2010	4901	2,98	258	334	502
		2135	4948	3,20	262	341	511
		2290	5004	3,46	267	349	523
		2385	5039	3,63	273	354	530
		2510	5084	3,84	277	360	540
		2600	5117	3,99	280	364	546
		2710	5156	4,18	284	370	556
		2885	5221	4,48	292	380	570
		3000	5263	4,68	297	386	578

► For additional size ranges, see next page

Other door versions

Surcharge €



Frame view 110 mm instead of 70 mm (standard)

Per m

31

Aluminium frame without face

Aluminium frame without face with stainless steel guide rollers and integrated door closer ITS 96

2370

HE 321 in external applications



Threshold with thermal break for water tightness under heavy rain (*standard* for outside application)

219

Top locking (only for doors from RAM height > 2150 mm, optional triple lock)

428

F30 insulated glazing (U-value: 1.1)

Per m²

1464

Glazings, door fittings, additional functions

HE 321 – aluminium hollow profiled section door



B

Glazing (standard delivery glass / panel separate)			Surcharge €
Fitting of the glass or panel at the factory (observe the order information on page 56!)			Per leaf 189
For interior applications	No.	Max. glass dimensions	Per m² €
Standard F30 glazing	500	1400 × 2500 mm	797
F30 glazing with matt PVB plastic film	687	1400 × 2500 mm	1102
F30 fire protection panel (2 × aluminium sheets, interior fire-proof core)	502	1200 × 2500 mm	735
For external applications	No.	Max. glass dimensions	Per m² €
F30 insulated glazing (as standard for external applications, U-value: 1.1)	407	1250 × 3000 mm	1464
F30 insulated glazing with matt PVB plastic film	555	1250 × 3000 mm	2012

C Fittings / additional functions		Surcharge €	
	• Lever handle set D116 , oval rose escutcheon PC	Standard	Aluminium 93
			Stainless steel 131
	• Lever / knob handle set D116 with knob K117 , oval rose escutcheon PC		Aluminium 140
			Stainless steel 206
	• TS 5000 ISM with slide rail • Fitting on opening side (hinge side) • Opening angle 173°	Standard	Silver-coloured 616
			RAL to choose 760
	• Mortice lock BKS 1828 including espagnolette lock (fixed leaf)		Standard
	• Mortice lock BKS 1821 for change-over function B including anti-panic espagnolette lock	Anti-panic function double-leaf	695
	• Mortice lock BKS 1825 for passage function D including anti-panic espagnolette lock	Anti-panic function double-leaf	534
	• Mortice lock BKS 1827 for lever / knob function E including anti-panic espagnolette lock	Anti-panic function double-leaf	539
	• Standard door hinge (Dr. Hahn 4), 20 mm pivot point, two-part, 3-way adjustable ⚠ Please take into consideration 2 hinges for the leaf!	EV1	Standard
		RAL to choose	Per hinge 59
		Stainless steel look	Per hinge 82
	• Hörmann guide roller, 2-way adjustable ⚠ Please take into consideration 2 hinges for the leaf!	Stainless steel	Per hinge 167
		RAL to choose	Per hinge 197
		Smoke-tight acc. to DIN 18095 / DIN EN 1634-3	
	Retractable bottom seal		
	• For fitting on a smooth, level floor		Double-leaf 334
	⚠ Limited leak tightness of doors in outside application		
	Delayed retractable bottom seal		
	• Suitable with different pressure ratios (air locks)		Double-leaf 620
	• For fitting on a smooth, level floor		
	Floor covering transition profile		
	Stainless steel flat material 38 x 1.2 mm, optional e.g. for tiles or carpeted floor		Double-leaf 69

















Accessories

Glazings and infills	See from page 172
Horizontal rails / vertical rails	See page 193
Fittings Lever handle sets, profile cylinders, locks and electric extras	See from page 180
Door closers, hold-open devices and operators	See from page 196
Security features RC 2 / RC 3 acc. to DIN EN 1627	See from page 178
Steel frames for tubular frame parts	See from page 90

HE 321 – aluminium hollow profiled section door

T30

Fire-rated doors T30 / EI₂30, double-leaf

Approved as	T30 internal door	EI ₂ 30 external door	T30 internal door	T30 internal door
	HE 321	HE 321	HE 321 With frame without face	HE 321 With steel frame
Depth [mm]	80	80	80	80
RAM width (min – max) [mm]	1355 × 3000	1400 × 3000	1538 × 2810	BRM 1285 × 2930
RAM height (min – max) [mm]	1740 × 4000	1740 × 3000	1710 × 2500	BRM 1705 × 2965
RAM including transom light max. [mm]			2810 × 3000	BRM 2930 × 3500
Optional additional functions	   	   	   	   

Detailed product description

Technical description, fitting instructions, fast-track programme

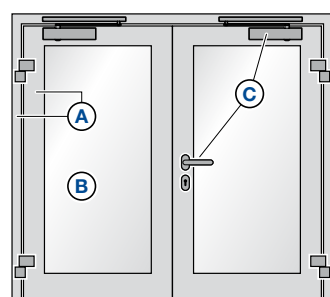
HE 321

HE 321 with frame without face




HE 321 in external applications

HE 321 with steel frame

See page 24



Set price =

-  Frame / leaf
- +  Glazings
- +  Fittings / additional functions

Already included in the price:

- 1 × mortice lock BKS 1828, incl. espagnolette lock (fixed leaf)
- 4 × 3-way adjustable door hinge Dr. Hahn 4, EV 1, 20 mm pivot point, two-part

► State opening sense on order!

* For an overview of available surface finishes, see page 54



Frame / leaf

Ordering sizes (RAM) up to width × up to height			Frame / door leaf price HE 321 RAL 9016, E6/EV1	m ² Glazing area	Surface coating * Surcharge		
					Preferred colour	RAL to choose	Special colour
2270	×	2010	4948	3,20	261	339	509
		2135	4992	3,43	266	347	522
		2290	5050	3,72	274	355	534
		2385	5084	3,89	277	360	540
		2510	5130	4,12	282	366	551
		2600	5163	4,29	285	371	558
		2710	5202	4,49	292	380	570
		2885	5268	4,81	297	386	578
2395	×	3000	5309	5,02	301	391	588
		2010	4992	3,42	266	347	522
		2135	5039	3,66	273	354	530
		2290	5095	3,97	278	361	541
		2385	5130	4,15	282	366	551
		2510	5176	4,40	290	377	565
		2600	5208	4,58	292	380	570
		2710	5249	4,79	297	386	578
2500	×	2885	5312	5,14	303	394	591
		3000	5356	5,36	309	402	602
		2010	5033	3,60	271	352	526
		2135	5076	3,86	276	359	538
		2290	5133	4,18	282	366	551
		2385	5168	4,38	289	376	562
		2510	5214	4,63	293	381	572
		2600	5246	4,82	297	386	578
		2710	5287	5,05	301	391	588
		2885	5351	5,41	310	403	604
		3000	5393	5,65	313	407	611

► For additional size ranges, see next page

Other door versions

Surcharge €



Frame view 110 mm instead of 70 mm (standard)

Per m

31

Aluminium frame without face

Aluminium frame without face with stainless steel guide rollers and integrated door closer ITS 96

2370

HE 321 in external applications



Threshold with thermal break for water tightness under heavy rain (*standard* for outside application)

219

Top locking (only for doors from RAM height > 2150 mm, optional triple lock)

428

F30 insulated glazing (U-value: 1.1)

Per m²

1464

Glazings, door fittings, additional functions

HE 321 – aluminium hollow profiled section door



B

Glazing (standard delivery glass / panel separate)			Surcharge €
Fitting of the glass or panel at the factory (observe the order information on page 56!)			Per leaf 189
For interior applications	No.	Max. glass dimensions	Per m² €
Standard F30 glazing	500	1400 × 2500 mm	797
F30 glazing with matt PVB plastic film	687	1400 × 2500 mm	1102
F30 fire protection panel (2 × aluminium sheets, interior fire-proof core)	502	1200 × 2500 mm	735
For external applications	No.	Max. glass dimensions	Per m² €
F30 insulated glazing (as standard for external applications, U-value: 1.1)	407	1250 × 3000 mm	1464
F30 insulated glazing with matt PVB plastic film	555	1250 × 3000 mm	2012

C	Fittings / additional functions		Surcharge €	
			Standard	Aluminium
	• Lever handle set D116 , oval rose escutcheon PC			93
			Stainless steel	131
	• Lever / knob handle set D116 with knob K117 , oval rose escutcheon PC		Aluminium	140
			Stainless steel	206
	• TS 5000 ISM with slide rail • Fitting on opening side (hinge side) • Opening angle 173°		Standard	Silver-coloured
				616
	• Mortice lock BKS 1828 including espagnolette lock (fixed leaf)			RAL to choose
				760
	• Mortice lock BKS 1821 for change-over function B including anti-panic espagnolette lock • Mortice lock BKS 1825 for passage function D including anti-panic espagnolette lock • Mortice lock BKS 1827 for lever / knob function E including anti-panic espagnolette lock		Anti-panic function double-leaf	695
			Anti-panic function double-leaf	534
	• Standard door hinge (Dr. Hahn 4), 20 mm pivot point, two-part, 3-way adjustable ⚠ Please take into consideration 2 hinges for the leaf!		EV1	Standard
			RAL to choose	Per hinge
	• Hörmann guide roller, 2-way adjustable ⚠ Please take into consideration 2 hinges for the leaf!		Stainless steel look	Per hinge
				82
			Stainless steel	Per hinge
			RAL to choose	Per hinge
				167
				197

Smoke-tight acc. to DIN 18095 / DIN EN 1634-3

	Retractable bottom seal • For fitting on a smooth, level floor ⚠ Limited leak tightness of doors in outside application		Double-leaf	334
	Delayed retractable bottom seal • Suitable with different pressure ratios (air locks) • For fitting on a smooth, level floor ⚠ Limited leak tightness of doors in outside application		Double-leaf	620
	Floor covering transition profile Stainless steel flat material 38 × 1.2 mm, optional e.g. for tiles or carpeted floor		Double-leaf	69













Accessories

Glazings and infills	See from page 172
Horizontal rails / vertical rails	See page 193
Fittings Lever handle sets, profile cylinders, locks and electric extras	See from page 180
Door closers, hold-open devices and operators	See from page 196
Security features RC 2 / RC 3 acc. to DIN EN 1627	See from page 178
Steel frames for tubular frame parts	See from page 90

HE 321 – aluminium hollow profiled section door

T30

Fire-rated doors T30 / EI₂30, double-leaf

Approved as	T30 internal door	EI ₂ 30 external door	T30 internal door	T30 internal door
	HE 321	HE 321	HE 321 With frame without face	HE 321 With steel frame
Depth [mm]	80	80	80	80
RAM width (min – max) [mm]	1355 × 3000	1400 × 3000	1538 × 2810	BRM 1285 × 2930
RAM height (min – max) [mm]	1740 × 4000	1740 × 3000	1710 × 2500	BRM 1705 × 2965
RAM including transom light max. [mm]			2810 × 3000	BRM 2930 × 3500
Optional additional functions	  	  	  	  

Detailed product description

Technical description, fitting instructions, fast-track programme

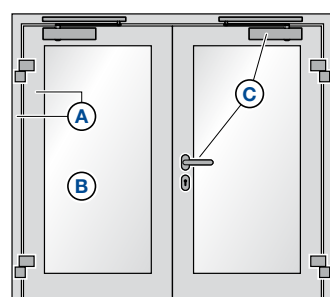
HE 321

HE 321 with frame without face

HE 321 in external applications

HE 321 with steel frame

See page 24



Set price =

- A** Frame / leaf
- + **B** Glazings
- + **C** Fittings / additional functions

Already included in the price:

- 1 × mortice lock BKS 1828, incl. espagnolette lock (fixed leaf)
- 4 × 3-way adjustable door hinge Dr. Hahn 4, EV 1, 20 mm pivot point, two-part

► State opening sense on order!

* For an overview of available surface finishes, see page 54



Frame / leaf

Ordering sizes (RAM) up to width × up to height			Frame / door leaf price HE 321 RAL 9016, E6/EV1	m ² Glazing area	Surface coating * Surcharge		
					Preferred colour	RAL to choose	Special colour
2615	×	2010	5073	3,80	276	359	538
		2135	5119	4,07	281	365	547
		2290	5176	4,41	290	377	565
		2385	5209	4,62	292	380	570
		2510	5256	4,89	298	387	579
		2600	5289	5,09	301	391	588
		2710	5329	5,33	309	402	602
		2885	5393	5,71	314	410	615
2730	×	3000	5436	5,96	318	415	623
		2010	5116	4,00	278	361	541
		2135	5162	4,29	285	371	558
		2290	5218	4,64	293	381	572
		2385	5253	4,86	297	386	578
		2510	5298	5,15	301	391	588
		2600	5331	5,36	306	396	594
		2710	5371	5,61	313	407	611
2845	×	2885	5436	6,01	318	415	623
		3000	5477	6,28	325	421	633
		2010	5156	4,20	284	370	556
		2135	5202	4,50	292	380	570
		2290	5259	4,88	298	387	579
		2385	5294	5,11	301	391	588
		2510	5340	5,41	309	402	602
		2600	5374	5,62	313	407	611
		2710	5414	5,89	316	412	618
		2885	5477	6,31	325	421	633
		3000	5520	6,59	331	431	647

► For additional size ranges, see next page

Other door versions

Surcharge €



Frame view 110 mm instead of 70 mm (standard)

Per m

31

Aluminium frame without face

Aluminium frame without face with stainless steel guide rollers and integrated door closer ITS 96

2370

HE 321 in external applications



Threshold with thermal break for water tightness under heavy rain (*standard* for outside application)

219

Top locking (only for doors from RAM height > 2150 mm, optional triple lock)

428

F30 insulated glazing (U-value: 1.1)

Per m²

1464

Glazings, door fittings, additional functions

HE 321 – aluminium hollow profiled section door



B	Glazing (standard delivery glass / panel separate)			Surcharge €
	Fitting of the glass or panel at the factory (observe the order information on page 56!)			Per leaf 189
For interior applications		No.	Max. glass dimensions	Per m² €
Standard F30 glazing		500	1400 × 2500 mm	797
F30 glazing with matt PVB plastic film		687	1400 × 2500 mm	1102
F30 fire protection panel (2 × aluminium sheets, interior fire-proof core)		502	1200 × 2500 mm	735
For external applications		No.	Max. glass dimensions	Per m² €
F30 insulated glazing (as standard for external applications, U-value: 1.1)		407	1250 × 3000 mm	1464
F30 insulated glazing with matt PVB plastic film		555	1250 × 3000 mm	2012

C Fittings / additional functions		Surcharge €	
	• Lever handle set D116 , oval rose escutcheon PC	Standard	Aluminium 93
			Stainless steel 131
	• Lever / knob handle set D116 with knob K117 , oval rose escutcheon PC		Aluminium 140
			Stainless steel 206
	• TS 5000 ISM with slide rail • Fitting on opening side (hinge side) • Opening angle 173°	Standard	Silver-coloured 616
			RAL to choose 760
	• Mortice lock BKS 1828 including espagnolette lock (fixed leaf)		Standard
	• Mortice lock BKS 1821 for change-over function B including anti-panic espagnolette lock	Anti-panic function double-leaf	695
	• Mortice lock BKS 1825 for passage function D including anti-panic espagnolette lock	Anti-panic function double-leaf	534
	• Mortice lock BKS 1827 for lever / knob function E including anti-panic espagnolette lock	Anti-panic function double-leaf	539
	• Standard door hinge (Dr. Hahn 4), 20 mm pivot point, two-part, 3-way adjustable ⚠ Please take into consideration 2 hinges for the leaf!	EV1	Standard
		RAL to choose	Per hinge 59
		Stainless steel look	Per hinge 82
	• Hörmann guide roller, 2-way adjustable ⚠ Please take into consideration 2 hinges for the leaf!	Stainless steel	Per hinge 167
		RAL to choose	Per hinge 197
		Smoke-tight acc. to DIN 18095 / DIN EN 1634-3	
	Retractable bottom seal		
	• For fitting on a smooth, level floor		
	⚠ Limited leak tightness of doors in outside application	Double-leaf	334
	Delayed retractable bottom seal		
	• Suitable with different pressure ratios (air locks)		
	• For fitting on a smooth, level floor	Double-leaf	620
	⚠ Limited leak tightness of doors in outside application		
	Floor covering transition profile		
	Stainless steel flat material 38 × 1.2 mm, optional e.g. for tiles or carpeted floor	Double-leaf	69

















Accessories

Glazings and infills	See from page 172
Horizontal rails / vertical rails	See page 193
Fittings Lever handle sets, profile cylinders, locks and electric extras	See from page 180
Door closers, hold-open devices and operators	See from page 196
Security features RC 2 / RC 3 acc. to DIN EN 1627	See from page 178
Steel frames for tubular frame parts	See from page 90

HE 321 – aluminium hollow profiled section door

T30

Fire-rated doors T30 / EI₂30, double-leaf

Approved as	T30 internal door	EI ₂ 30 external door	T30 internal door	T30 internal door
	HE 321	HE 321	HE 321 With frame without face	HE 321 With steel frame
Depth [mm]	80	80	80	80
RAM width (min – max) [mm]	1355 × 3000	1400 × 3000	1538 × 2810	BRM 1285 × 2930
RAM height (min – max) [mm]	1740 × 4000	1740 × 3000	1710 × 2500	BRM 1705 × 2965
RAM including transom light max. [mm]			2810 × 3000	BRM 2930 × 3500
Optional additional functions	   	   	   	   

Detailed product description

Technical description, fitting instructions, fast-track programme

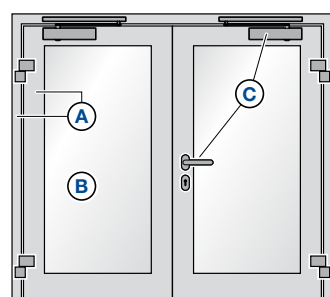
HE 321

HE 321 with frame without face




HE 321 in external applications

HE 321 with steel frame

See page 24



Set price =

-  Frame / leaf
- +  Glazings
- +  Fittings / additional functions



Frame / leaf



Ordering sizes (RAM) up to width × up to height			Frame / door leaf price HE 321 RAL 9016, E6/EV1	m ² Glazing area	Surface coating * Surcharge		
					Preferred colour	RAL to choose	Special colour
3000	×	2010	5214	4,47	292	380	570
		2135	5259	4,79	297	386	578
		2290	5315	5,19	303	394	591
		2385	5351	5,43	310	403	604
		2510	5397	5,75	315	411	616
		2600	5430	5,99	317	413	620
		2710	5470	6,27	324	420	629
		2885	5535	6,72	333	434	650
		3000	5576	7,01	339	441	662

Already included in the price:

- 1 × mortice lock BKS 1828, incl. espagnolette lock (fixed leaf)
- 4 × 3-way adjustable door hinge Dr. Hahn 4, EV 1, 20 mm pivot point, two-part

► State opening sense on order!

* For an overview of available surface finishes, see page 54

Other door versions		Surcharge €
	Frame view 110 mm instead of 70 mm (standard)	Per m 31
Aluminium frame without face		
Aluminium frame without face with stainless steel guide rollers and integrated door closer ITS 96		2370
HE 321 in external applications		
	Threshold with thermal break for water tightness under heavy rain (<i>standard</i> for outside application)	219
	Top locking (only for doors from RAM height > 2150 mm, optional triple lock)	428
	F30 insulated glazing (U-value: 1.1)	Per m ² 1464

Glazings, door fittings, additional functions

HE 321 – aluminium hollow profiled section door



B

Glazing (standard delivery glass / panel separate)			Surcharge €
Fitting of the glass or panel at the factory (observe the order information on page 56!)			Per leaf 189
For interior applications	No.	Max. glass dimensions	Per m² €
Standard F30 glazing	500	1400 × 2500 mm	797
F30 glazing with matt PVB plastic film	687	1400 × 2500 mm	1102
F30 fire protection panel (2 × aluminium sheets, interior fire-proof core)	502	1200 × 2500 mm	735
For external applications	No.	Max. glass dimensions	Per m² €
F30 insulated glazing (as standard for external applications, U-value: 1.1)	407	1250 × 3000 mm	1464
F30 insulated glazing with matt PVB plastic film	555	1250 × 3000 mm	2012

C	Fittings / additional functions		Surcharge €	
			<i>Standard</i>	Aluminium
	• Lever handle set D116 , oval rose escutcheon PC			93
				Stainless steel 131
	• Lever / knob handle set D116 with knob K117 , oval rose escutcheon PC			Aluminium 140
				Stainless steel 206
	• TS 5000 ISM with slide rail		<i>Standard</i>	Silver-coloured 616
	• Fitting on opening side (hinge side)			
	• Opening angle 173°			RAL to choose 760
	• Mortice lock BKS 1828 including espagnolette lock (fixed leaf)		<i>Standard</i>	
	• Mortice lock BKS 1821 for change-over function B including anti-panic espagnolette lock		Anti-panic function double-leaf	695
	• Mortice lock BKS 1825 for passage function D including anti-panic espagnolette lock		Anti-panic function double-leaf	534
	• Mortice lock BKS 1827 for lever / knob function E including anti-panic espagnolette lock		Anti-panic function double-leaf	539
	• Standard door hinge (Dr. Hahn 4), 20 mm pivot point, two-part, 3-way adjustable		EV1	<i>Standard</i>
	⚠ Please take into consideration 2 hinges for the leaf!		RAL to choose	Per hinge 59
			Stainless steel look	Per hinge 82
	• Hörmann guide roller, 2-way adjustable		Stainless steel	Per hinge 167
	⚠ Please take into consideration 2 hinges for the leaf!		RAL to choose	Per hinge 197

Smoke-tight acc. to DIN 18095 / DIN EN 1634-3

	Retractable bottom seal			
	• For fitting on a smooth, level floor			
	⚠ Limited leak tightness of doors in outside application		Double-leaf	334
	Delayed retractable bottom seal			
	• Suitable with different pressure ratios (air locks)			
	• For fitting on a smooth, level floor		Double-leaf	620
	Floor covering transition profile			
	Stainless steel flat material 38 × 1.2 mm, optional e.g. for tiles or carpeted floor			
			Double-leaf	69

Accessories

Glazings and infills	See from page 172
Horizontal rails / vertical rails	See page 193
Fittings	See from page 180
Lever handle sets, profile cylinders, locks and electric extras	
Door closers, hold-open devices and operators	See from page 196
Security features RC 2 / RC 3 acc. to DIN EN 1627	See from page 178
Steel frames for tubular frame parts	See from page 90

HE 331 – aluminium fixed glazing

F30

Fire-rated glazings F30 / EI₂30 as a transom light, side element or fixed glazing

Approved as	F30 internal fixed glazing	EI ₂ 30 external fixed glazing	F30 internal fixed glazing
	HE 331 Inside application	HE 331 Outside application ¹⁾	HE 331 With frame without face ²⁾
Depth [mm]	80	80	80
RAM width (max) [mm]	Unlimited	1400 (side element), 3000 (transom light)	Single-leaf 1415, double-leaf 2810
RAM height (max) [mm]	4960 without door, 4500 with door	3100 (side element), 1580 (transom light)	1000
Optional additional functions	RC 2 RC 3 TRAV	RC 2 RC 3	RC 2 RC 3

Detailed product description

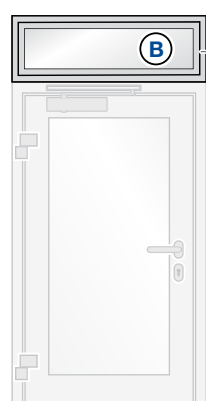
Technical description, fitting instructions, division dimensions, fast-track programme

HE 331

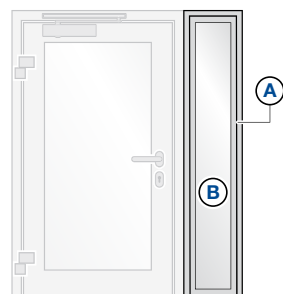
HE 331 with frame without face

See page 33

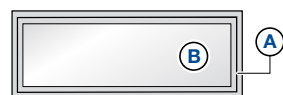
			Fixed glazing HE 331			Surface coating ⁴⁾ Surcharge		
Ordering sizes (RAM) up to width × up to height			Frame price HE 331 RAL 9016, E6/EV1		m ² Glazing area ³⁾	Preferred colour	RAL to choose	Special colour
520 × 510			997		0,50	41	52	79
520 × 635			1023		0,50	45	56	85
520 × 760			1051		0,50	47	60	92
520 × 885			1078		0,50	52	68	102
520 × 1040			1110		0,50	58	76	114
520 × 1135			1131		0,50	59	77	117
520 × 1260			1160		0,50	64	83	125
520 × 1395			1188		0,54	68	87	132
520 × 1500			1211		0,58	69	88	134
645 × 510			1023		0,50	45	56	85
645 × 635			1051		0,50	48	62	93
645 × 760			1078		0,50	53	70	105
645 × 885			1105		0,50	59	77	117
645 × 1040			1138		0,51	64	83	125
645 × 1135			1160		0,56	67	86	131
645 × 1260			1186		0,63	69	88	134
645 × 1395			1216		0,70	72	94	141
645 × 1500			1238		0,76	74	97	145
770 × 510			1051		0,50	48	62	93
770 × 635			1078		0,50	53	70	105
770 × 760			1105		0,50	60	79	118
770 × 885			1131		0,52	63	82	124
770 × 1040			1165		0,63	68	87	132
770 × 1135			1186		0,69	71	93	139
770 × 1260			1213		0,77	72	94	141
770 × 1395			1242		0,86	76	99	149
770 × 1500			1266		0,93	76	99	149
895 × 510			1078		0,50	51	67	100
895 × 635			1105		0,50	58	76	114
895 × 760			1131		0,52	64	83	125
895 × 885			1160		0,62	68	87	132
895 × 1040			1191		0,74	71	93	139
895 × 1135			1213		0,82	74	97	145
895 × 1260			1240		0,92	76	99	149
895 × 1395			1269		1,03	77	101	152
895 × 1500			1292		1,11	80	103	156



Transom light



Side element



Fixed glazing

Set price =

A Frame

+ **B** Glazing

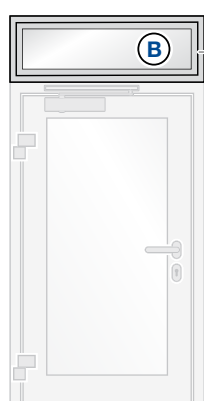
1) Exclusive glazings (without door) are available up to a max. RAM of 1500 × 2500 mm (single element) or 4500 × 2500 mm (vertical / horizontal profile or coupling construction)

2) Only possible as transom light

3) Minimum calculation surface 0.5 m²

4) For an overview of available surface finishes, see page 54

► For additional size ranges, see next page



Transom light



Side element



Fixed glazing

A

Fixed glazing HE 331

Ordering sizes (RAM) up to width × up to height			Frame price HE 331 RAL 9016, E6/EV1	m ² Glazing area ³⁾	Surface coating ⁴⁾ Surcharge		
					Preferred colour	RAL to choose	Special colour
1020	×	510	1105	0,50	56	74	110
		635	1131	0,50	63	82	124
		760	1160	0,60	68	87	132
		885	1186	0,72	71	93	139
		1040	1220	0,86	75	98	146
		1135	1240	0,95	76	99	149
		1260	1268	1,06	77	101	152
		1395	1297	1,19	81	104	157
		1500	1320	1,28	82	107	160
1145	×	510	1131	0,50	60	79	118
		635	1160	0,56	68	87	132
		760	1186	0,69	69	88	134
		885	1213	0,82	72	94	141
		1040	1247	0,98	77	101	152
		1135	1268	1,08	79	102	153
		1260	1294	1,21	81	104	157
		1395	1324	1,35	85	111	167
		1500	1347	1,46	87	114	172
1270	×	510	1160	0,50	64	83	125
		635	1186	0,62	69	88	134
		760	1213	0,77	72	94	141
		885	1240	0,91	76	99	149
		1040	1274	1,10	80	103	156
		1135	1294	1,21	81	104	157
		1260	1322	1,35	85	111	167
		1395	1350	1,51	87	114	172
		1500	1374	1,63	93	120	180

► For additional size ranges, see next page

Set price =

A Frame

+ **B** Glazing

Other door versions

Surcharge €



Frame view 110 mm instead of 70 mm (standard)

Per m **31**

Vertical / horizontal profile constructions opening outwards

✓ Doors with side element and / or transom light (glazing beads on opposite hinge side)

302

Frame without face

Frame without face for version with transom light

290

HE 331 in external applications



F30 insulated glazing (U-value: 1.1)

Per m² **1464**

B

Glazing (standard delivery glass separate)

Surcharge €

Fitting of the glass or panel at the factory (observe the order information on page 56!)

Each **189**

For interior applications

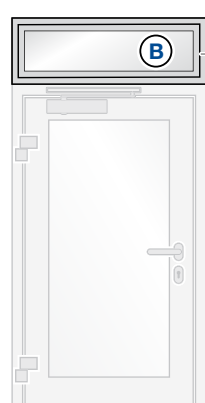
	No.	Max. glass dimensions	Per m ² €
Standard F30 glazing	500	1400 × 2500 mm	797
F30 glazing with matt PVB plastic film	687	1400 × 2500 mm	1102
F30 fire protection panel (2 × aluminium sheets, interior fire-proof core)	502	1200 × 2500 mm	735
F30 fire protection panel (2 × aluminium sheets, interior fire-proof core)	506	1400 × 3000 mm	1068

For external applications

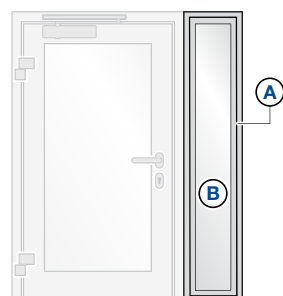
	No.	Max. glass dimensions	Per m ² €
F30 insulated glazing (as standard for external applications, U-value: 1.1)	407	1250 × 3000 mm	1464
F30 insulated glazing with matt PVB plastic film	555	1250 × 3000 mm	2012

Accessories

Glazings and infills	See from page 172
Horizontal rails / vertical rails	See page 193
Security features RC 2 / RC 3 acc. to DIN EN 1627	See page 178
Steel frame for version with transom light	See from page 90



Transom light



Side element



Fixed glazing

A

Fixed glazing HE 331

Ordering sizes (RAM) up to width × up to height			Frame price HE 331 RAL 9016, E6/EV1	m ² Glazing area ³⁾	Surface coating ⁴⁾ Surcharge		
					Preferred colour	RAL to choose	Special colour
1895	×	510	1294	0,73	76	99	149
		635	1322	0,96	80	103	156
		760	1349	1,18	85	111	167
		885	1376	1,40	87	114	172
		1040	1409	1,68	94	123	184
		1135	1430	1,85	98	127	191
		1260	1457	2,08	100	129	195
		1395	1487	2,32	104	135	203
		1500	1509	2,51	107	139	209
2020	×	510	1322	0,78	79	102	153
		635	1349	1,02	82	107	160
		760	1376	1,26	85	111	167
		885	1403	1,50	92	119	178
		1040	1437	1,80	97	125	187
		1135	1457	1,98	100	129	195
		1260	1485	2,22	103	134	202
		1395	1513	2,48	110	144	215
		1500	1537	2,68	114	149	224
2145	×	510	1349	0,83	80	103	156
		635	1376	1,09	83	108	162
		760	1403	1,34	87	114	172
		885	1430	1,60	94	123	184
		1040	1464	1,92	99	128	192
		1135	1485	2,11	102	133	199
		1260	1511	2,37	105	137	207
		1395	1541	2,64	114	149	224
		1500	1564	2,86	117	151	227

► For additional size ranges, see next page

Set price =

A Frame

+ B Glazing

Other door versions

Surcharge €



Frame view 110 mm instead of 70 mm (standard)

Per m **31**

Vertical / horizontal profile constructions opening outwards

✓ Doors with side element and / or transom light (glazing beads on opposite hinge side)

302

Frame without face

Frame without face for version with transom light

290

HE 331 in external applications



F30 insulated glazing (U-value: 1.1)

Per m² **1464**

B

Glazing (standard delivery glass separate)

Surcharge €

Fitting of the glass or panel at the factory (observe the order information on page 56!)

Each **189**

For interior applications

No. Max. glass dimensions Per m² €

Standard F30 glazing

500 1400 × 2500 mm **797**

F30 glazing with matt PVB plastic film

687 1400 × 2500 mm **1102**

F30 fire protection panel (2 × aluminium sheets, interior fire-proof core)

502 1200 × 2500 mm **735**

F30 fire protection panel (2 × aluminium sheets, interior fire-proof core)

506 1400 × 3000 mm **1068**

For external applications

No. Max. glass dimensions Per m² €

F30 insulated glazing (as standard for external applications, U-value: 1.1)

407 1250 × 3000 mm **1464**

F30 insulated glazing with matt PVB plastic film

555 1250 × 3000 mm **2012**

Accessories

Glazings and infills

See from page 172

Horizontal rails / vertical rails

See page 193

Security features RC 2 / RC 3 acc. to DIN EN 1627

See page 178








Steel frame for version with transom light

See from page 90

HE 331 – aluminium fixed glazing

F30

Fire-rated glazings F30 / EI₂30 as a transom light, side element or fixed glazing

Approved as	F30 internal fixed glazing	EI ₂ 30 external fixed glazing	F30 internal fixed glazing
	HE 331 Inside application	HE 331 Outside application ¹⁾	HE 331 With frame without face ²⁾
Depth [mm]	80	80	80
RAM width (max) [mm]	Unlimited	1400 (side element), 3000 (transom light)	Single-leaf 1415, double-leaf 2810
RAM height (max) [mm]	4960 without door, 4500 with door	3100 (side element), 1580 (transom light)	1000
Optional additional functions	 RC 2  RC 3  TRAV	 RC 2  RC 3	 RC 2  RC 3

Detailed product description

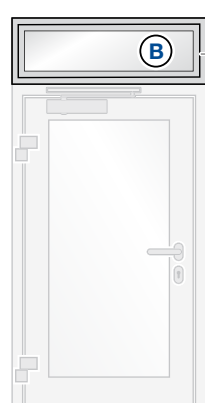
Technical description, fitting instructions, division dimensions, fast-track programme

HE 331

HE 331 with frame without face

See page 33

Fixed glazing HE 331									
Ordering sizes (RAM) up to width × up to height			Frame price HE 331 RAL 9016, E6/EV1		m² Glazing area ³⁾		Surface coating ⁴⁾ Surcharge		
							Preferred colour	RAL to choose	Special colour
2270 × 510			1376		0,88		82	107	160
635			1403		1,16		85	111	167
760			1430		1,43		92	119	178
885			1457		1,70		97	125	187
1040			1490		2,03		101	132	198
1135			1511		2,24		104	135	203
1260			1539		2,51		111	145	216
1395			1567		2,80		117	151	227
1500			1591		3,03		120	156	233
2395 × 510			1403		0,94		83	108	162
635			1430		1,22		90	118	177
760			1457		1,51		94	123	184
885			1485		1,80		99	128	192
1040			1518		2,15		103	134	202
1135			1539		2,37		107	139	209
1260			1566		2,66		115	150	225
1395			1595		2,96		120	156	233
1500			1617		3,21		124	160	241
2500 × 510			1427		0,98		85	111	167
635			1453		1,28		92	119	178
760			1480		1,58		97	125	187
885			1508		1,88		101	132	198
1040			1541		2,25		105	137	207
1135			1562		2,48		111	145	216
1260			1589		2,78		118	153	230
1395			1617		3,10		123	159	239
1500			1641		3,35		126	163	246
2615 × 510			1451		1,03		86	112	170
635			1478		1,34		94	123	184
760			1506		1,65		98	127	191
885			1532		1,97		102	133	199
1040			1566		2,36		111	145	216
1135			1588		2,60		115	150	225
1260			1614		2,91		120	156	233
1395			1644		3,25		125	162	244
1500			1667		3,51		131	170	256



Transom light



Side element



Fixed glazing

Set price =

+ (A) Frame

+ (B) Glazing

A

Fixed glazing HE 331

Ordering sizes (RAM) up to width × up to height			Frame price HE 331 RAL 9016, E6/EV1	m ² Glazing area ³⁾	Surface coating ⁴⁾ Surcharge		
					Preferred colour	RAL to choose	Special colour
2730	×	510	1476	1,07	90	118	177
		635	1503	1,40	96	124	185
		760	1530	1,73	100	129	195
		885	1558	2,06	104	135	203
		1040	1591	2,47	115	150	225
		1135	1612	2,71	118	153	230
		1260	1638	3,04	123	159	239
		1395	1668	3,40	129	169	254
		1500	1691	3,67	133	174	260
2845	×	510	1501	1,12	93	120	180
		635	1529	1,46	98	127	191
		760	1556	1,80	101	132	198
		885	1582	2,15	107	139	209
		1040	1616	2,57	117	151	227
		1135	1637	2,83	121	158	238
		1260	1664	3,18	125	162	244
		1395	1693	3,55	132	172	257
		1500	1717	3,83	136	178	266
3000	×	510	1535	1,18	94	123	184
		635	1562	1,54	100	129	195
		760	1589	1,91	103	134	202
		885	1616	2,27	111	145	216
		1040	1649	2,72	120	156	233
		1135	1670	2,99	124	160	241
		1260	1697	3,36	131	170	256
		1395	1727	3,75	135	176	263
		1500	1750	4,05	141	184	277

Larger RAM in width and height on request.

Other door versions

Surcharge €



Frame view 110 mm instead of 70 mm (standard)

Per m 31

Vertical / horizontal profile constructions opening outwards

✓ Doors with side element and / or transom light (glazing beads on opposite hinge side)

302

Frame without face

Frame without face for version with transom light

290

HE 331 in external applications



F30 insulated glazing (U-value: 1.1)

Per m² 1464

B

Glazing (standard delivery glass separate)

Surcharge €

Fitting of the glass or panel at the factory (observe the order information on page 56!)

Each 189

For interior applications

No. Max. glass dimensions Per m² €

Standard F30 glazing

500 1400 × 2500 mm 797

F30 glazing with matt PVB plastic film

687 1400 × 2500 mm 1102

F30 fire protection panel (2 × aluminium sheets, interior fire-proof core)

502 1200 × 2500 mm 735

F30 fire protection panel (2 × aluminium sheets, interior fire-proof core)

506 1400 × 3000 mm 1068

For external applications

No. Max. glass dimensions Per m² €

F30 insulated glazing (as standard for external applications, U-value: 1.1)

407 1250 × 3000 mm 1464

F30 insulated glazing with matt PVB plastic film

555 1250 × 3000 mm 2012

Accessories

Glazings and infills

See from page 172

Horizontal rails / vertical rails

See page 193

Security features RC 2 / RC 3 acc. to DIN EN 1627

See page 178

Steel frame for version with transom light

See from page 90

Steel corner and profile frames

T30

For T30 aluminium hollow profiled section doors with or without transom light, single-leaf and double-leaf

Material

- Sheet metal, hot galvanized
- Corner frame 2.0 mm thick for brickwork
- Profile frame 2.0 mm thick for brickwork and partition walls
- Primed based on RAL 7035 for subsequent coating on-site, optionally in RAL to choose
- Version with glazing beads on hinge side (opening inwards)

Size range (nominal sizes)

HE 311:	Min. 535 × 1705 mm	Max. 1430 × 2965 mm
HE 321:	Min. 1285 × 1705 mm	Max. 2930 × 2965 mm
Doors with transom light / top part		max. 3500 mm height

Corner frame for brickwork



Double-shell profile frame for brickwork and partition walls



Frame types

- 1-part welded in the mitred area, polished *Standard*
- 3-part separated in the mitred area, screw-on lath profiles **59 euros**
- Mortar-free fitting

Corner frame
Profile frame prepared for screw fixing (unplastered brickwork)

Double-shell profile frame
Prepared for screw fixing

Basic prices in €								
BR height up to		2278	2500		2750		3000	
BR width up to	Wall width			With transom light		With transom light		With transom light
1000 mm	Corner frame	1598	1789	2228	1981	2255	2173	2283
	145	1738	1947	2376	2155	2402	2363	2439
	205	1771	1983	2406	2196	2435	2409	2487
	270	1808	2025	2435	2242	2472	2459	2527
	330	1841	2062	2151	2283	2509	2504	2575
1250 mm	Corner frame	1627	1822	2321	2017	2346	2213	2384
	145	1756	1967	2442	2178	2472	2389	2509
	205	1794	2009	2487	2224	2512	2439	2542
	270	1822	2042	2524	2260	2550	2479	2579
	330	1852	2075	2568	2297	2593	2519	2612
1500 mm	Corner frame	1701	1905	2479	2109	2502	2313	2545
	145	1801	2016	2583	2232	2612	2448	2638
	205	1837	2058	2631	2278	2664	2499	2671
	270	1882	2108	2683	2333	2712	2559	2701
	330	1918	2149	2726	2379	2759	2609	2731
1750 mm	Corner frame	1749	1959	2545	2168	2579	2378	2623
	145	1849	2070	2660	2292	2693	2513	2716
	205	1893	2119	2708	2347	2749	2574	2749
	270	1937	2169	2756	2402	2800	2635	2779
	330	1981	2220	2804	2457	2855	2695	2807
2000 mm	Corner frame	1738	1947	2786	2155	2822	2363	2837
	145	1837	2058	2885	2278	2918	2499	2945
	205	1867	2091	2926	2315	2966	2539	2974
	270	1900	2128	2974	2356	3007	2584	3003
	330	1930	2161	3014	2393	3056	2624	3036
2250 mm	Corner frame	1786	2000	2874	2214	2915	2428	2930
	145	1889	2116	2978	2342	3014	2569	3036
	205	1918	2149	3026	2379	3066	2609	3066
	270	1948	2182	3074	2415	3114	2650	3096
	330	1981	2220	3122	2457	3165	2695	3125
2500 mm	Corner frame	1834	2053	3003	2274	3044	2494	3062
	145	1940	2174	3099	2407	3147	2639	3169
	205	1970	2207	3147	2443	3195	2680	3199
	270	2003	2244	3188	2485	3243	2724	3232
	330	2033	2277	3236	2521	3291	2765	3262



Basic prices in €								
BR height up to		2278	2500		2750		3000	
BR width up to	Wall width			With transom light		With transom light		With transom light
2750 mm	Corner frame	2061	2308	3375	2555	3420	2802	3441
	145	2181	2442	3483	2704	3536	2966	3561
	205	2214	2479	3536	2746	3590	3011	3594
	270	2251	2521	3582	2791	3644	3062	3632
	330	2284	2558	3636	2833	3698	3107	3665
2950 mm	Corner frame	2315	2593	3791	2870	3843	3148	3866
	145	2451	2745	3913	3038	3974	3332	4001
	205	2488	2786	3974	3084	4034	3382	4039
	270	2529	2833	4025	3136	4094	3440	4080
	330	2567	2874	4085	3182	4155	3490	4117

Additional size ranges and wall widths on request

Preparation for accessories	Surcharge €
Frame prepared for 3rd hinge	82
Prepared for KÜ 480 / each	263
Prepared for electric strike	No surcharge
Prepared for ECO dual locking	210
Prepared for single-leaf reed contact (type Link)	124
Prepared for double-leaf reed contact (type Link)	244
Prepared for single-leaf escape door opener	255
Prepared for single-leaf escape door opener in head bar	255
Prepared for double-leaf escape door opener in head bar	504
Prepared for alarm contact element	250
Frame head bar prepared for ITS 96 N20 (single-leaf)	229
Frame head bar prepared for ITS 96 GSR (double-leaf)	454
Prepared for Fuhr triple lock	141

► The required accessories from the 'Accessories and fittings' chapter must be added to the preparation prices

Note on surfaces:

For doors in preferred colour, RAL to choose or special colour, 1.5 x the price for the respective surface must be charged!

Example:

	Preferred colour	RAL to choose	Special colour
HE 311 (1020 x 2010 mm)	139 €	180 €	271 €
HE 311 with steel frame (x 1.5)	209 €	273 €	408 €

Good reasons to try Hörmann
steel and aluminium tubular frame
construction project doors



Up to
73 mm
wider clear
passage width

Maximum clear passage width

Steel profile frame

* compared to door version with fascia frame

HÖRMANN

Good reasons to try Hörmann steel loft doors



Industrial style for living areas and workspaces

**Large glazings with
high-quality steel profiles**







HÖRMANN

HE 611, HE 911 – aluminium hollow profiled section door

T60 and T90 fire-rated doors, single-leaf

T60

T90

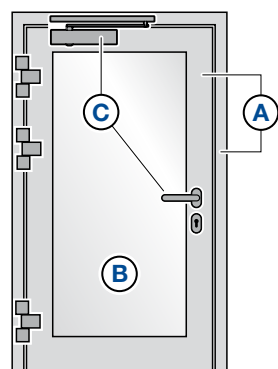
Approved as	T60 internal door	T90 internal door
	HE 611	HE 911
Depth [mm]	80	80
RAM width (min – max) [mm]	605 – 1500	605 – 1500
RAM height (min – max) [mm]	1740 – 2800	1740 – 2800
Optional additional functions	  	  

Detailed product description

Technical description, fitting instructions

HE 611, HE 911

See page 94



Set price =

- A** Frame / leaf
- + **B** Glazings
- + **C** Fittings / additional functions

Already included in the price:

- 1 x mortice lock BKS 1828
- 3 x 3-way adjustable door hinge Dr. Hahn 4, EV 1, 20 mm pivot point, three-part

► State opening sense on order!

* For an overview of available surface finishes, see page 54

A

Frame / leaf

Ordering sizes (RAM) up to width × up to height			Frame / door leaf price HE 611 / HE 911 RAL 9016, E6/EV1	m ² Glazing area	Surface coating * Surcharge		
					Preferred colour	RAL to choose	Special colour
1020	×	2010	4290	1,30	139	180	271
		2135	4367	1,39	143	185	278
		2290	4463	1,51	146	190	284
		2385	4522	1,58	150	195	292
		2510	4599	1,67	153	199	299
		2600	4656	1,74	156	202	303
		2710	4723	1,82	157	205	307
		2800	4779	1,89	160	209	313
1145	×	2010	4367	1,52	145	189	283
		2135	4446	1,63	149	193	291
		2290	4540	1,76	151	196	294
		2385	4599	1,84	154	201	301
		2510	4677	1,95	157	205	307
		2600	4733	2,03	159	207	310
		2710	4801	2,13	161	210	315
		2800	4856	2,21	166	215	325
1270	×	2010	4446	1,73	150	195	292
		2135	4522	1,86	153	199	299
		2290	4618	2,01	157	205	307
		2385	4677	2,11	159	207	310
		2510	4753	2,23	161	210	315
		2600	4809	2,32	163	212	318
		2710	4878	2,43	166	215	325
		2800	4933	2,52	173	225	337
1370	×	2010	4507	1,91	150	195	292
		2135	4585	2,05	153	199	299
		2290	4679	2,22	157	205	307
		2385	4739	2,32	158	206	309
		2510	4817	2,46	161	210	315
		2600	4873	2,56	163	212	318
		2710	4939	2,68	166	215	325
		2800	4994	2,78	174	226	338
1500	×	2010	4587	2,13	154	201	301
		2135	4665	2,29	157	205	307
		2290	4759	2,48	161	210	315
		2385	4820	2,59	163	212	318
		2510	4897	2,75	166	215	325
		2600	4953	2,86	172	223	333
		2710	5020	2,99	174	226	338
		2800	5075	3,10	178	231	347

Other door versions

Surcharge €



Frame view 110 mm instead of 70 mm (standard)

Per m

36

Glazings, door fittings, additional functions

HE 611, HE 911 – aluminium hollow profiled section door



B

Glazing (standard delivery glass / panel separate)			Surcharge €
Fitting of the glass or panel at the factory (observe the order information on page 56!)			Per leaf 189
For interior applications – T60 (HE 611)			
Standard F60 glazing	No. 646	Max. glass dimensions 1400 × 2820 mm	Per m² € 1518
F60 glazing with matt PVB plastic film	793	1400 × 2900 mm	2507
F60 fire protection panel (2 × aluminium panels, interior fire-proof core)	543	1200 × 2500 mm	1019
For interior applications – T90 (HE 911)			
Standard F90 glazing	No. 647	Max. glass dimensions 1400 × 2820 mm	Per m² € 1963
F90 glazing with matt PVB plastic film	795	1400 × 2900 mm	4048
F90 fire protection panel (2 × aluminium panels, interior fire-proof core)	541	1200 × 2500 mm	1019

C	Fittings / additional functions		Surcharge €	
			<i>Standard</i>	Aluminium
	• Lever handle set D116 , oval rose escutcheon PC			93
				Stainless steel 131
	• Lever / knob handle set D116 with knob K117 , oval rose escutcheon PC			Aluminium 140
				Stainless steel 206
	• HDC 35 EN 3–5 with slide rail		<i>Standard</i>	Silver-coloured 203
	• Fitting on opening side (hinge side)			
	• RAM width min. 605 mm, max. 1270 mm			RAL to choose 263
	⚠ Up to RAM width 1270 mm			
	• TS 5000 EN 2–6 with slide rail			Silver-coloured 292
	• Fitting on opening side (hinge side)			
	• RAM width min. 605 mm, max. 1500 mm			RAL to choose 341
	⚠ From RAM width 1271 mm			
	• Mortice lock BKS 1828		<i>Standard</i>	
	• Mortice lock BKS 1820 for change-over function B		Anti-panic function, single-leaf / half anti-panic, double-leaf 284	
	• Mortice lock BKS 1824 for passage function D		Anti-panic function, single-leaf / half anti-panic, double-leaf 216	
	• Mortice lock BKS 1826 for lever / knob function E		Anti-panic function, single-leaf / half anti-panic, double-leaf 137	
	• Standard door hinge (Dr. Hahn 4), 20 mm pivot point, three-part, 3-way adjustable		EV1	<i>Standard</i>
	⚠ Please take into consideration 3 hinges for the leaf!		RAL to choose	Per hinge 59
			Stainless steel look	Per hinge 82
	• Hörmann guide roller, 2-way adjustable		Stainless steel	Per hinge 167
	⚠ Please take into consideration 3 hinges for the leaf!		RAL to choose	Per hinge 197

Smoke-tight acc. to DIN 18095 / DIN EN 1634-3

	Retractable bottom seal			
	• For fitting on a smooth, level floor		Single-leaf	167
	⚠ Limited leak tightness of doors in outside application			
	Delayed retractable bottom seal			
	• Suitable with different pressure ratios (air locks)		Single-leaf	310
	• For fitting on a smooth, level floor			
	⚠ Limited leak tightness of doors in outside application			
	Floor covering transition profile			
	Stainless steel flat material 38 × 1.2 mm, optional e.g. for tiles or carpeted floor		Single-leaf	34

Accessories







Glazings and infills	See from page 172
Horizontal rails / vertical rails	See page 193
Fittings	
Lever handle sets, profile cylinders, locks and electric extras	See from page 180
Door closers, hold-open devices and operators	See from page 200
Security features RC 2 / RC 3 acc. to DIN EN 1627	See from page 178

HE 621, HE 921 – aluminium hollow profiled section door

T60 and T90 fire-rated doors, double-leaf

T60

T90

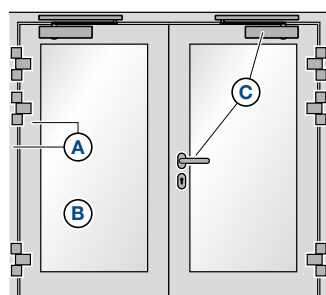
Approved as	T60 internal door	T90 internal door
	HE 621	HE 921
Depth [mm]	80	80
RAM width (min–max) [mm]	1355–2850	1355–2850
RAM height (min–max) [mm]	1740–2800	1740–2800
Optional additional functions	  	  

Detailed product description

Technical description, fitting instructions

HE 621, HE 921

See page 34



Set price =

- A** Frame / leaf
- + **B** Glazings
- + **C** Fittings / additional functions

Already included in the price:

- 1 × mortice lock BKS 1828, incl. espagnolette lock (fixed leaf)
- 6 × 3-way adjustable door hinge Dr. Hahn 4, EV 1, 20 mm pivot point, three-part

► State opening sense on order!

* For an overview of available surface finishes, see page 54



Frame / leaf

Ordering sizes (RAM) up to width × up to height			Frame / door leaf price HE 621 / HE 921 RAL 9016, E6/EV1	m ² Glazing area	Surface coating * Surcharge		
					Preferred colour	RAL to choose	Special colour
1500	×	2010	7258	1,86	231	301	453
		2135	7339	2,00	235	306	458
		2290	7439	2,16	241	313	470
		2385	7500	2,26	243	316	475
		2510	7581	2,40	248	324	485
		2600	7639	2,49	250	326	488
		2710	7710	2,61	256	332	498
		2800	7768	2,71	260	338	508
1645	×	2010	7351	2,11	236	308	462
		2135	7431	2,27	241	313	470
		2290	7533	2,45	248	324	485
		2385	7593	2,57	250	326	488
		2510	7674	2,72	256	332	498
		2600	7733	2,83	258	334	502
		2710	7803	2,96	261	339	509
		2800	7861	3,07	266	347	522
1770	×	2010	7431	2,33	242	314	472
		2135	7513	2,50	246	318	480
		2290	7612	2,71	255	330	494
		2385	7674	2,83	257	333	501
		2510	7754	3,00	260	338	508
		2600	7814	3,12	263	343	516
		2710	7883	3,27	266	347	522
		2800	7943	3,39	274	355	534
1895	×	2010	7513	2,55	248	324	485
		2135	7593	2,73	255	330	494
		2290	7694	2,96	259	336	505
		2385	7754	3,10	260	338	508
		2510	7837	3,28	264	344	517
		2600	7894	3,41	268	350	525
		2710	7965	3,57	274	355	534
		2800	8023	3,71	278	361	541

► For additional size ranges, see next page

Other door versions

Surcharge €



Frame view 110 mm instead of 70 mm (standard)

Per m

36

Glazings, door fittings, additional functions

HE 621, HE 921 – aluminium hollow profiled section door



B	Glazing (standard delivery glass / panel separate)			Surcharge €
	Fitting of the glass or panel at the factory (observe the order information on page 56!)		Per leaf	189
For interior applications – T60 (HE 611)		No.	Max. glass dimensions	Per m² €
Standard F60 glazing		646	1400 × 2820 mm	1518
F60 glazing with matt PVB plastic film		793	1400 × 2900 mm	2507
F60 fire protection panel (2 × aluminium panels, interior fire-proof core)		543	1200 × 2500 mm	1019
For interior applications – T90 (HE 921)		No.	Max. glass dimensions	Per m² €
Standard F90 glazing		647	1400 × 2820 mm	1963
F90 glazing with matt PVB plastic film		795	1400 × 2900 mm	4048
F90 fire protection panel (2 × aluminium panels, interior fire-proof core)		541	1200 × 2500 mm	1019

C	Fittings / additional functions		Surcharge €	
			Standard	Aluminium
	• Lever handle set D116 , oval rose escutcheon PC			93
			Stainless steel	131
	• Lever / knob handle set D116 with knob K117 , oval rose escutcheon PC			140
			Stainless steel	206
	• TS 5000 ISM with slide rail • Fitting on opening side (hinge side) • Opening angle 173°		Standard	Silver-coloured 616
				RAL to choose 760
	• Mortice lock BKS 1828 including espagnolette lock (fixed leaf)		Standard	
	• Mortice lock BKS 1821 for change-over function B including anti-panic espagnolette lock	Anti-panic function double-leaf	695	
	• Mortice lock BKS 1825 for passage function D including anti-panic espagnolette lock	Anti-panic function double-leaf	534	
	• Mortice lock BKS 1827 for lever / knob function E including anti-panic espagnolette lock	Anti-panic function double-leaf	539	
	• Standard door hinge (Dr. Hahn 4), 20 mm pivot point, three-part, 3-way adjustable ⚠ Please take into consideration 3 hinges for the leaf!	EV1	Standard	
		RAL to choose	Per hinge	59
		Stainless steel look	Per hinge	82
	• Hörmann guide roller, 2-way adjustable ⚠ Please take into consideration 3 hinges for the leaf!	Stainless steel	Per hinge	167
		RAL to choose	Per hinge	197

Smoke-tight acc. to DIN 18095 / DIN EN 1634-3

	Retractable bottom seal			
	• For fitting on a smooth, level floor	Double-leaf	334	
	Delayed retractable bottom seal			
	• Suitable with different pressure ratios (air locks)	Double-leaf	620	
	• For fitting on a smooth, level floor			
	⚠ Limited leak tightness of doors in outside application			
	Floor covering transition profile			
	Stainless steel flat material 38 × 1.2 mm, optional e.g. for tiles or carpeted floor	Double-leaf	69	

Accessories



























































Glazings and infills	See from page 172
Horizontal rails / vertical rails	See page 193
Fittings	
Lever handle sets, profile cylinders, locks and electric extras	See from page 180
Door closers, hold-open devices and operators	See from page 201
Security features RC 2 / RC 3 acc. to DIN EN 1627	See from page 178

HE 621, HE 921 – aluminium hollow profiled section door

T60 and T90 fire-rated doors, double-leaf

T60

T90

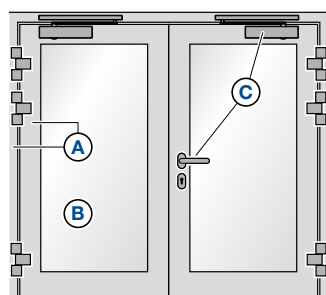
Approved as	T60 internal door	T90 internal door
	HE 621	HE 921
Depth [mm]	80	80
RAM width (min–max) [mm]	1355–2850	1355–2850
RAM height (min–max) [mm]	1740–2800	1740–2800
Optional additional functions	                                	                        

Detailed product description




Technical description, fitting instructions

HE 621, HE 921

See page 34



Set price =

-  Frame / leaf
- +  Glazings
- +  Fittings / additional functions

Already included in the price:

- 1 × mortice lock BKS 1828, incl. espagnolette lock (fixed leaf)
- 6 × 3-way adjustable door hinge Dr. Hahn 4, EV 1, 20 mm pivot point, three-part

► State opening sense on order!

* For an overview of available surface finishes, see page 54



Frame / leaf

Ordering sizes (RAM) up to width × up to height			Frame / door leaf price HE 621 / HE 921 RAL 9016, E6/EV1	m ² Glazing area	Surface coating * Surcharge		
					Preferred colour	RAL to choose	Special colour
2020	×	2010	7593	2,77	255	330	494
		2135	7674	2,96	258	334	502
		2290	7773	3,21	262	341	511
		2385	7837	3,36	264	344	517
		2510	7917	3,56	271	352	526
		2600	7975	3,70	274	355	534
		2710	8045	3,88	278	361	541
		2800	8104	4,02	284	370	556
2145	×	2010	7674	2,98	258	334	502
		2135	7754	3,20	262	341	511
		2290	7854	3,46	267	349	523
		2385	7917	3,63	273	354	530
		2510	7998	3,84	277	360	540
		2600	8056	3,99	280	364	546
		2710	8126	4,18	284	370	556
		2800	8185	4,34	292	380	570
2270	×	2010	7754	3,20	261	339	509
		2135	7837	3,43	266	347	522
		2290	7936	3,72	274	355	534
		2385	7998	3,89	277	360	540
		2510	8078	4,12	282	366	551
		2600	8137	4,29	285	371	558
		2710	8206	4,49	292	380	570
		2800	8266	4,65	297	386	578
2395	×	2010	7837	3,42	266	347	522
		2135	7917	3,66	273	354	530
		2290	8017	3,97	278	361	541
		2385	8078	4,15	282	366	551
		2510	8159	4,40	290	377	565
		2600	8217	4,58	292	380	570
		2710	8288	4,79	297	386	578
		2800	8346	4,97	303	394	591

► For additional size ranges, see next page

Other door versions

Surcharge €



Frame view 110 mm instead of 70 mm (standard)

Per m

36

Glazings, door fittings, additional functions

HE 621, HE 921 – aluminium hollow profiled section door



Fire protection

Tubular frame parts
Aluminium

B

Glazing (standard delivery glass / panel separate)

Surcharge €

Fitting of the glass or panel at the factory (observe the order information on page 56!)

Per leaf 189

For interior applications – T60 (HE 611)

	No.	Max. glass dimensions	Per m² €
Standard F60 glazing	646	1400 × 2820 mm	1518
F60 glazing with matt PVB plastic film	793	1400 × 2900 mm	2507
F60 fire protection panel (2 × aluminium panels, interior fire-proof core)	543	1200 × 2500 mm	1019

For interior applications – T90 (HE 921)

	No.	Max. glass dimensions	Per m² €
Standard F90 glazing	647	1400 × 2820 mm	1963
F90 glazing with matt PVB plastic film	795	1400 × 2900 mm	4048
F90 fire protection panel (2 × aluminium panels, interior fire-proof core)	541	1200 × 2500 mm	1019

C

Fittings / additional functions

Surcharge €



- **Lever handle set D116**, oval rose escutcheon PC

Standard Aluminium 93

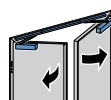
Stainless steel 131



- **Lever / knob handle set D116 with knob K117**, oval rose escutcheon PC

Aluminium 140

Stainless steel 206



- **TS 5000 ISM** with slide rail
- Fitting on opening side (hinge side)
- Opening angle 173°

Standard Silver-coloured 616

RAL to choose 760



- Mortice lock BKS 1828 including espagnolette lock (fixed leaf)

Standard



- Mortice lock BKS 1821 for change-over function B including anti-panic espagnolette lock
- Mortice lock BKS 1825 for passage function D including anti-panic espagnolette lock
- Mortice lock BKS 1827 for lever / knob function E including anti-panic espagnolette lock

Anti-panic function double-leaf 695

Anti-panic function double-leaf 534

Anti-panic function double-leaf 539



- Standard door hinge (Dr. Hahn 4), 20 mm pivot point, three-part, 3-way adjustable
- ⚠ Please take into consideration 3 hinges for the leaf!

EV1 Standard

RAL to choose Per hinge 59

Stainless steel look Per hinge 82



- Hörmann guide roller, 2-way adjustable
- ⚠ Please take into consideration 3 hinges for the leaf!

Stainless steel Per hinge 167

RAL to choose Per hinge 197

Smoke-tight acc. to DIN 18095 / DIN EN 1634-3

Retractable bottom seal

- For fitting on a smooth, level floor

Double-leaf 334

Delayed retractable bottom seal

- Suitable with different pressure ratios (air locks)
- For fitting on a smooth, level floor

Double-leaf 620

- ⚠ Limited leak tightness of doors in outside application

Floor covering transition profile

Stainless steel flat material 38 × 1.2 mm, optional e.g. for tiles or carpeted floor

Double-leaf 69

Accessories

Glazings and infills

See from page 172

Horizontal rails / vertical rails

See page 193

Fittings

Lever handle sets, profile cylinders, locks and electric extras

See from page 180

Door closers, hold-open devices and operators

See from page 201

Security features RC 2 / RC 3 acc. to DIN EN 1627



























































See from page 178

HE 621, HE 921 – aluminium hollow profiled section door

T60 and T90 fire-rated doors, double-leaf

T60

T90

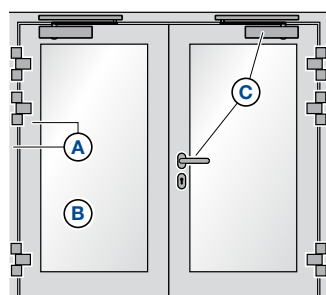
Approved as	T60 internal door	T90 internal door
	HE 621	HE 921
Depth [mm]	80	80
RAM width (min–max) [mm]	1355–2850	1355–2850
RAM height (min–max) [mm]	1740–2800	1740–2800
Optional additional functions	                                	                        

Detailed product description




Technical description, fitting instructions

HE 621, HE 921

See page 34



Set price =

-  Frame / leaf
- +  Glazings
- +  Fittings / additional functions

Already included in the price:

- 1 × mortice lock BKS 1828, incl. espagnolette lock (fixed leaf)
- 6 × 3-way adjustable door hinge Dr. Hahn 4, EV 1, 20 mm pivot point, three-part

► State opening sense on order!

* For an overview of available surface finishes, see page 54



Frame / leaf

Ordering sizes (RAM) up to width × up to height			Frame / door leaf price HE 621 / HE 921 RAL 9016, E6/EV1	m ² Glazing area	Surface coating * Surcharge		
					Preferred colour	RAL to choose	Special colour
2520	×	2010	7917	3,63	271	352	526
		2135	7998	3,90	276	359	538
		2290	8096	4,22	282	366	551
		2385	8159	4,42	289	376	562
		2510	8240	4,68	293	381	572
		2600	8298	4,87	297	386	578
		2710	8370	5,10	301	391	588
		2800	8427	5,29	310	403	604
2645	×	2010	7998	3,85	276	359	538
		2135	8078	4,13	281	365	547
		2290	8178	4,47	290	377	565
		2385	8240	4,68	292	380	570
		2510	8321	4,96	298	387	579
		2600	8379	5,16	301	391	588
		2710	8450	5,40	309	402	602
		2800	8507	5,60	314	410	615
2770	×	2010	8078	4,07	278	361	541
		2135	8159	4,36	285	371	558
		2290	8259	4,72	293	381	572
		2385	8321	4,95	297	386	578
		2510	8401	5,24	301	391	588
		2600	8460	5,45	306	396	594
		2710	8531	5,71	313	407	611
		2800	8589	5,92	318	415	623
2850	×	2010	8130	4,21	284	370	556
		2135	8211	4,51	292	380	570
		2290	8310	4,89	298	387	579
		2385	8372	5,12	301	391	588
		2510	8452	5,42	309	402	602
		2600	8510	5,64	313	407	611
		2710	8582	5,90	316	412	618
		2800	8641	6,12	325	421	633

► For additional size ranges, see next page

Other door versions

Surcharge €



Frame view 110 mm instead of 70 mm (standard)

Per m

36

Glazings, door fittings, additional functions

HE 621, HE 921 – aluminium hollow profiled section door



Fire protection

Tubular frame parts
Aluminium

B

Glazing (standard delivery glass / panel separate)

Surcharge €

Fitting of the glass or panel at the factory (observe the order information on page 56!)

Per leaf 189

For interior applications – T60 (HE 611)

	No.	Max. glass dimensions	Per m² €
Standard F60 glazing	646	1400 × 2820 mm	1518
F60 glazing with matt PVB plastic film	793	1400 × 2900 mm	2507
F60 fire protection panel (2 × aluminium panels, interior fire-proof core)	543	1200 × 2500 mm	1019

For interior applications – T90 (HE 921)

	No.	Max. glass dimensions	Per m² €
Standard F90 glazing	647	1400 × 2820 mm	1963
F90 glazing with matt PVB plastic film	795	1400 × 2900 mm	4048
F90 fire protection panel (2 × aluminium panels, interior fire-proof core)	541	1200 × 2500 mm	1019

C

Fittings / additional functions

Surcharge €



- **Lever handle set D116**, oval rose escutcheon PC

Standard Aluminium 93

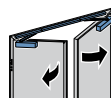
Stainless steel 131



- **Lever / knob handle set D116 with knob K117**, oval rose escutcheon PC

Aluminium 140

Stainless steel 206



- **TS 5000 ISM** with slide rail
- Fitting on opening side (hinge side)
- Opening angle 173°

Standard Silver-coloured 616

RAL to choose 760



- Mortice lock BKS 1828 including espagnolette lock (fixed leaf)

Standard



- Mortice lock BKS 1821 for change-over function B including anti-panic espagnolette lock
- Mortice lock BKS 1825 for passage function D including anti-panic espagnolette lock
- Mortice lock BKS 1827 for lever / knob function E including anti-panic espagnolette lock

Anti-panic function double-leaf 695

Anti-panic function double-leaf 534

Anti-panic function double-leaf 539



- Standard door hinge (Dr. Hahn 4), 20 mm pivot point, three-part, 3-way adjustable

⚠ Please take into consideration 3 hinges for the leaf!

EV1 Standard

RAL to choose Per hinge 59

Stainless steel look Per hinge 82



- Hörmann guide roller, 2-way adjustable

⚠ Please take into consideration 3 hinges for the leaf!

Stainless steel Per hinge 167

RAL to choose Per hinge 197

Smoke-tight acc. to DIN 18095 / DIN EN 1634-3

Retractable bottom seal

- For fitting on a smooth, level floor

Double-leaf 334

Delayed retractable bottom seal

- Suitable with different pressure ratios (air locks)
- For fitting on a smooth, level floor

Double-leaf 620

⚠ Limited leak tightness of doors in outside application

Floor covering transition profile

Stainless steel flat material 38 × 1.2 mm, optional e.g. for tiles or carpeted floor

Double-leaf 69

Accessories

Glazings and infills

See from page 172

Horizontal rails / vertical rails

See page 193

Fittings

Lever handle sets, profile cylinders, locks and electric extras

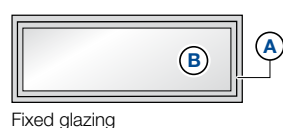
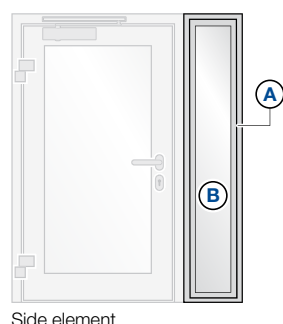
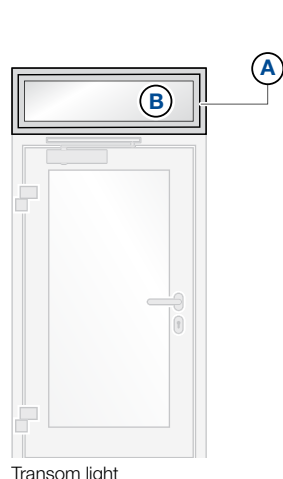
See from page 180

Door closers, hold-open devices and operators

See from page 201

Security features RC 2 / RC 3 acc. to DIN EN 1627

See from page 178



A

Fixed glazing HE 631, HE931

Ordering sizes (RAM) up to width × up to height	Frame price HE 631 / HE 931 RAL 9016, E6/EV1	m ² Glazing area ¹⁾	Surface coating ²⁾ Surcharge		
			Preferred colour	RAL to choose	Special colour
1020 × 510	1514	0,50	56	74	110
	1567	0,50	63	82	124
	1621	0,60	68	87	132
	1674	0,72	71	93	139
	1741	0,83	75	98	146
	1781	0,95	76	99	149
	1834	1,06	77	101	152
	1891	1,18	81	104	157
1145 × 510	1937	1,29	82	107	160
	1567	0,50	60	79	118
	1621	0,56	68	87	132
	1674	0,69	69	88	134
	1727	0,82	72	94	141
	1795	0,95	77	101	152
	1834	1,08	79	102	153
	1888	1,21	81	104	157
1270 × 510	1945	1,34	85	111	167
	1991	1,47	87	114	172
	1621	0,50	64	83	125
	1674	0,62	69	88	134
	1727	0,77	72	94	141
	1781	0,91	76	99	149
	1847	1,06	80	103	156
	1888	1,21	81	104	157
1270 × 635	1940	1,35	85	111	167
	1998	1,50	87	114	172
	2043	1,64	93	120	180

Set price =

A Frame

+ **B** Glazing

Larger RAM in width and height on request.

1) Minimum calculation surface 0.5 m²

2) For an overview of available surface finishes, see page 54

► For additional size ranges, see next page

B

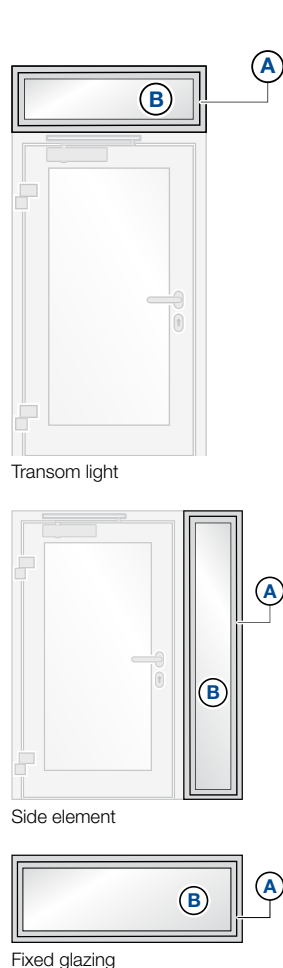
Glazing (standard delivery glass / panel separate)

Surcharge €

Vertical / horizontal profile construction opening outwards			556
Fitting of the glass or panel at the factory (observe the order information on page 56!)		Each	189
For interior applications – T60 (HE 631)	No.	Max. glass dimensions	Per m² €
Standard F60 glazing	646	1400 × 2820 mm	1518
F60 glazing with matt PVB plastic film	793	1400 × 2900 mm	2507
F60 fire protection panel (2 × aluminium panels, interior fire-proof core)	543	1200 × 2500 mm	1019
For interior applications – T90 (HE 931)	No.	Max. glass dimensions	Per m² €
Standard F90 glazing	647	1400 × 2820 mm	1962
F90 glazing with matt PVB plastic film	795	1400 × 2900 mm	4048
F90 fire protection panel (2 × aluminium panels, interior fire-proof core)	541	1200 × 2500 mm	1019

Accessories

Glazings and infills	See page 172
Horizontal rails / vertical rails	See page 193
Security features RC 2 / RC 3 acc. to DIN EN 1627	See page 178



A

Fixed glazing HE 631, HE931

Ordering sizes (RAM) up to width × up to height			Frame price HE 631 / HE 931 RAL 9016, E6/EV1	m ² Glazing area ¹⁾	Surface coating ²⁾ Surcharge		
					Preferred colour	RAL to choose	Special colour
1895	×	510	1888	0,73	76	99	149
		635	1940	0,96	80	103	156
		760	1994	1,18	85	111	167
		885	2048	1,40	87	114	172
		1040	2114	1,63	94	123	184
		1135	2154	1,85	98	127	191
		1260	2208	2,08	100	129	195
		1395	2265	2,30	104	135	203
2020	×	510	1940	0,78	79	102	153
		635	1994	1,02	82	107	160
		760	2048	1,26	85	111	167
		885	2101	1,50	92	119	178
		1040	2168	1,74	97	125	187
		1135	2208	1,98	100	129	195
		1260	2261	2,22	103	134	202
		1395	2318	2,46	110	144	215
2145	×	510	1994	0,83	80	103	156
		635	2048	1,09	83	108	162
		760	2101	1,34	87	114	172
		885	2154	1,60	94	123	184
		1040	2221	1,86	99	128	192
		1135	2261	2,11	102	133	199
		1260	2314	2,37	105	137	207
		1395	2372	2,62	114	149	224
		1500	2417	2,88	117	151	227

Set price =

- A** Frame
- + **B** Glazing
- + **C** Accessories

Larger RAM in width and height on request.

- 1) Minimum calculation surface 0.5 m²
- 2) For an overview of available surface finishes, see page 54
- For additional size ranges, see next page

B

Glazing (standard delivery glass / panel separate)

Surcharge €

Vertical / horizontal profile construction opening outwards			556
Fitting of the glass or panel at the factory (observe the order information on page 56!)		Each	189
For interior applications – T60 (HE 631)	No.	Max. glass dimensions	Per m² €
Standard F60 glazing	646	1400 × 2820 mm	1518
F60 glazing with matt PVB plastic film	793	1400 × 2900 mm	2507
F60 fire protection panel (2 × aluminium panels, interior fire-proof core)	543	1200 × 2500 mm	1019
For interior applications – T90 (HE 931)	No.	Max. glass dimensions	Per m² €
Standard F90 glazing	647	1400 × 2820 mm	1962
F90 glazing with matt PVB plastic film	795	1400 × 2900 mm	4048
F90 fire protection panel (2 × aluminium panels, interior fire-proof core)	541	1200 × 2500 mm	1019

Accessories







Glazings and infills	See page 172
Horizontal rails / vertical rails	See page 193
Security features RC 2 / RC 3 acc. to DIN EN 1627	See page 178




HE 631, HE 931 – aluminium fixed glazing

F60

F90


Fire-rated glazings F60, F90 – for doors and walls as a transom light, side element or fixed glazing

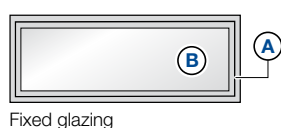
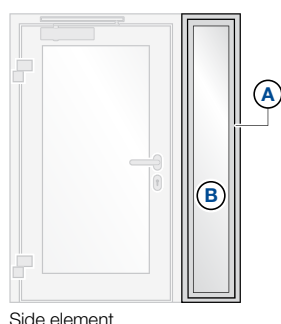
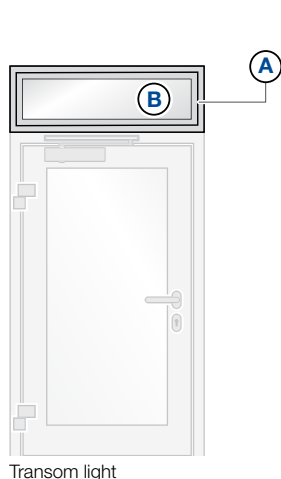
Approved as	F60 internal fixed glazing	F90 internal fixed glazing
	HE 631	HE 931
Depth [mm]	80	80
RAM width (max) [mm]	Unlimited	Unlimited
RAM height (max) [mm]	4500 without door, 4000 with door	4500 without door, 4000 with door
Optional additional functions	 RC 2  RC 3  TRAV	 RC 2  RC 3  TRAV

		Fixed glazing HE 631, HE931		Surface coating ²⁾ Surcharge		
		Ordering sizes (RAM) up to width × up to height	Frame price HE 631 / HE 931 RAL 9016, E6/EV1	m ² Glazing area ¹⁾	Preferred colour	RAL to choose
					Special colour	
 Transom light	A	2270 × 510	2048	0,88	82	107
			2101	1,16	85	111
			2154	1,43	92	119
			2208	1,70	97	125
			2274	1,97	101	132
			2314	2,24	104	135
			2367	2,51	111	145
			2424	2,78	117	151
			2470	3,05	120	156
			2524	3,23	124	160
 Side element	A	2395 × 510	2101	0,94	83	108
			2154	1,22	90	118
			2208	1,51	94	123
			2261	1,80	99	128
			2328	2,08	103	134
			2367	2,37	107	139
			2421	2,66	115	150
			2478	2,94	120	156
			2524	3,23	124	160
			2569	3,38	126	163
 Fixed glazing	A	2500 × 510	2146	0,98	85	111
			2200	1,28	92	119
			2254	1,58	97	125
			2306	1,88	101	132
			2372	2,18	105	137
			2412	2,48	111	145
			2466	2,78	118	153
			2524	3,08	123	159
			2569	3,38	126	163
			2594	3,54	128	166
	A	2615 × 510	2194	1,03	86	112
			2248	1,34	94	123
			2302	1,65	98	127
			2355	1,97	102	133
			2421	2,28	111	145
			2462	2,60	115	150
			2515	2,91	120	156
			2572	3,22	125	162
			2618	3,54	131	170
			2663	3,85	134	174

Larger RAM in width and height on request.

- 1) Minimum calculation surface 0.5 m²
2) For an overview of available surface finishes, see page 54

Other door versions		Surcharge €
	Frame view 110 mm instead of 70 mm (standard)	Per m 36



A

Fixed glazing HE 631, HE931

Ordering sizes (RAM) up to width × up to height	Frame price HE 631 / HE 931 RAL 9016, E6/EV1	m ² Glazing area ¹⁾	Surface coating ²⁾ Surcharge		
			Preferred colour	RAL to choose	Special colour
2730 × 510	2245	1,07	84	111	166
	2297	1,40	90	116	174
	2351	1,73	94	121	183
	2405	2,06	98	127	191
	2470	2,39	108	141	211
	2511	2,71	111	144	216
	2565	3,04	115	149	224
	2621	3,37	121	159	238
2845 × 510	2667	3,70	125	163	244
	2293	1,12	87	113	169
	2348	1,46	92	119	179
	2399	1,80	95	124	186
	2454	2,15	100	130	196
	2519	2,49	110	142	213
	2561	2,83	114	148	223
	2614	3,18	117	152	229
3000 × 510	2671	3,52	124	161	241
	2715	3,86	128	167	250
	2360	1,18	88	115	173
	2413	1,54	94	121	183
	2467	1,91	97	126	190
	2519	2,27	104	136	203
	2586	2,63	113	146	219
	2626	2,99	116	150	226
3000 × 1260	2678	3,36	123	160	240
	2738	3,72	127	165	247
	2781	4,08	132	173	260

Set price =

- A** Frame
- + **B** Glazing
- + **C** Accessories

Larger RAM in width and height on request.

- 1) Minimum calculation surface 0.5 m²
- 2) For an overview of available surface finishes, see page 54
- For additional size ranges, see next page

B

Glazing (standard delivery glass / panel separate)

Surcharge €

Vertical / horizontal profile construction opening outwards			556
Fitting of the glass or panel at the factory (observe the order information on page 56!)		Each	189
For interior applications – T60 (HE 631)	No.	Max. glass dimensions	Per m² €
Standard F60 glazing	646	1400 × 2820 mm	1518
F60 glazing with matt PVB plastic film	793	1400 × 2900 mm	2507
F60 fire protection panel (2 × aluminium panels, interior fire-proof core)	543	1200 × 2500 mm	1019
For interior applications – T90 (HE 931)	No.	Max. glass dimensions	Per m² €
Standard F90 glazing	647	1400 × 2820 mm	1962
F90 glazing with matt PVB plastic film	795	1400 × 2900 mm	4048
F90 fire protection panel (2 × aluminium panels, interior fire-proof core)	541	1200 × 2500 mm	1019

Accessories

Glazings and infills	See page 172
Horizontal rails / vertical rails	See page 193
Security features RC 2 / RC 3 acc. to DIN EN 1627	See page 178

Good reasons to try Hörmann steel tubular frame construction project doors



Particularly narrow door view

S-Line system

HÖRMANN

Aluminium smoke-tight door assemblies

Aluminium tubular frame parts

Contents



Product overview	From page
Smoke-tight door assemblies – aluminium with extensive glazing	From page
Smoke-tight door assemblies	
A / RS 150 door	Single-leaf 110
A / RS 250 door	Double-leaf 114
A / RS 350 glazing	122
Insulated smoke-tight door assemblies	
A / RS 100 door	Single-leaf Insulated 128
A / RS 200 door	Double-leaf Insulated 132
A / RS 300 glazing	Insulated 142
Frames for smoke-tight door assemblies	Page
Corner and profile frames for brickwork	90
Overhead door closers	From page 194
Fittings and optional extras	From page 180
Operators	From page 206

A / RS 150 – aluminium hollow profiled section door

Smoke-tight door assemblies, single-leaf



Approved as	Smoke-tight internal door	Smoke-tight internal door
	A/RS 150	A/RS 150 With steel frame
Depth [mm]	50 mm	50 mm
RAM width (min – max) [mm]	605 – 1500	BRM 535 – 1430
RAM height (min – max) [mm]	1740 – 3000	BRM 1705 – 2965
RAM including transom light max. [mm]		BRM 1430 – 3500
Optional additional functions		

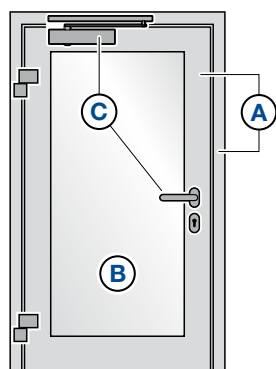
Detailed product description

Technical description, fitting instructions, fast-track programme

A/RS 150

A / RS 150 with steel frame

See page 36



Set price =

- Ⓐ Frame / leaf
- + Ⓑ Glazings
- + Ⓒ Fittings / additional functions

Already included in the price:

- 1 × retractable bottom seal
- 1 × mortice lock BKS 1828
- 2 × 3-way adjustable door hinge Dr. Hahn 4, EV 1, 20 mm pivot point, two-part

Larger RAM in width and height on request.

► State opening sense on order!

* For an overview of available surface finishes, see page 54

A

Frame / leaf

Ordering sizes (RAM) up to width × up to height			Frame / door leaf price	m ² Glazing area	Surface coating * Surcharge		
			A/RS 150 RAL 9016, E6/EV1		Preferred colour	RAL to choose	Special colour
1020	×	2010	1985	1,30	139	180	271
		2135	2006	1,39	143	185	278
		2290	2030	1,51	146	190	284
		2385	2044	1,58	150	195	292
		2510	2064	1,67	153	199	299
		2600	2078	1,74	156	202	303
		2710	2096	1,82	157	205	307
		2885	2123	1,95	160	209	313
1145	×	3000	2142	2,04	162	211	316
		2010	2006	1,52	145	189	283
		2135	2025	1,63	149	193	291
		2290	2049	1,76	151	196	294
		2385	2064	1,84	154	201	301
		2510	2085	1,95	157	205	307
		2600	2098	2,03	159	207	310
		2710	2116	2,13	161	210	315
1270	×	2885	2144	2,28	166	215	325
		3000	2163	2,38	172	223	333
		2010	2025	1,73	150	195	292
		2135	2044	1,86	153	199	299
		2290	2069	2,01	157	205	307
		2385	2085	2,11	159	207	310
		2510	2104	2,23	161	210	315
		2600	2118	2,32	163	212	318
		2710	2136	2,43	166	215	325
		2885	2164	2,61	173	225	337
		3000	2181	2,72	175	227	341

► For additional size ranges, see next page

Other door versions

Surcharge €



Frame view 110 mm instead of 70 mm (standard)

Per m

21

Glazings, door fittings, additional functions

A / RS 150 – aluminium hollow profiled section door



Smoke protection

Tubular frame parts
Aluminium

B

Glazing (standard delivery glass / panel fitted at the factory)

Surcharge €

For interior applications	No.	Max. glass dimensions	Per m² €
<i>Standard</i> glazing, laminated safety glass 6 mm	033	2250 × 2333 mm	94
Glazing, laminated safety glass 8 mm (<i>standard from RAM height 2710 mm</i>)	525	2600 × 4500 mm	110
Glazing laminated safety glass 10 mm	527	2600 × 4500 mm	151
Glazing laminated safety glass 6 mm with matt plastic film	528	2250 × 2333 mm	148
Glazing single-pane safety glass 8 mm	524	2400 × 4500 mm	170
Glazing single-pane safety glass 10 mm	526	2400 × 4500 mm	228
Aluminium panel	527	1250 × 2500 mm	588
Aluminium glass panel (2 × aluminium sheet, acoustic insulation glass on the inside)	514	1250 × 2500 mm	753

C

Fittings / additional functions

Surcharge €

	• Lever handle set D116 , oval rose escutcheon PC	<i>Standard</i>	Aluminium	93
			Stainless steel	131
	• Lever / knob handle set D116 with knob K117 , oval rose escutcheon PC		Aluminium	140
			Stainless steel	206
	• HDC 35 EN 3–5 with slide rail • Fitting on opening side (hinge side) • RAM width min. 605 mm, max. 1270 mm	Up to RAM width 1270 mm	<i>Standard</i>	203
			Silver-coloured	203
			RAL to choose	263
			Silver-coloured	292
	• TS 5000 EN 2–6 with slide rail • Fitting on opening side (hinge side) • RAM width min. 605 mm, max. 1500 mm	From RAM width 1271 mm	RAL to choose	341
	• Mortice lock BKS 1828		<i>Standard</i>	
	• Mortice lock BKS 1820 for change-over function B	Anti-panic function, single-leaf / half anti-panic, double-leaf		284
	• Mortice lock BKS 1824 for passage function D	Anti-panic function, single-leaf / half anti-panic, double-leaf		216
	• Mortice lock BKS 1826 for lever / knob function E	Anti-panic function, single-leaf / half anti-panic, double-leaf		137
	• Standard door hinge (Dr. Hahn 4), 20 mm pivot point, two-part, 3-way adjustable Please take into consideration 2 hinges for the leaf!	EV1	<i>Standard</i>	
		RAL to choose	Per hinge	59
		Stainless steel look	Per hinge	82
	• Hörmann guide roller, 2-way adjustable Please take into consideration 2 hinges for the leaf!	Stainless steel	Per hinge	167
		RAL to choose	Per hinge	197

Smoke-tight acc. to DIN 18095 / DIN EN 1634-3

	Retractable bottom seal			
	• For fitting on a smooth, level floor	Single-leaf	<i>Standard</i>	
	Delayed retractable bottom seal			
	• Suitable with different pressure ratios (air locks) • For fitting on a smooth, level floor	Single-leaf		143
	Floor covering transition profile Stainless steel flat material 38 × 1.2 mm, optional e.g. for tiles or carpeted floor	Single-leaf		34

Accessories

Glazings and infills	See from page 174
Horizontal rails / vertical rails	See page 193
Fittings Lever handle sets, profile cylinders, locks and electric extras	See from page 180
Door closers, hold-open devices and operators	See from page 194
Security features RC 2 / RC 3 acc. to DIN EN 1627	See from page 178
Steel frames for tubular frame parts	See from page 166

A / RS 150 – aluminium hollow profiled section door

Smoke-tight door assemblies, single-leaf



Approved as	Smoke-tight internal door	Smoke-tight internal door
	A/RS 150	A/RS 150 With steel frame
Depth [mm]	50 mm	50 mm
RAM width (min – max) [mm]	605 – 1500	BRM 535 – 1430
RAM height (min – max) [mm]	1740 – 3000	BRM 1705 – 2965
RAM including transom light max. [mm]		BRM 1430 – 3500
Optional additional functions		

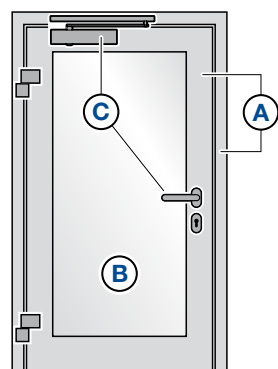
Detailed product description

Technical description, fitting instructions, fast-track programme

A/RS 150

A / RS 150 with steel frame

See page 36



Set price =

- A** Frame / leaf
- + **B** Glazings
- + **C** Fittings / additional functions

Already included in the price:

- 1 × retractable bottom seal
- 1 × mortice lock BKS 1828
- 2 × 3-way adjustable door hinge Dr. Hahn 4, EV 1, 20 mm pivot point, two-part

Larger RAM in width and height on request.

► State opening sense on order!

* For an overview of available surface finishes, see page 54



Frame / leaf

Ordering sizes (RAM) up to width × up to height			Frame / door leaf price A/RS 150 RAL 9016, E6/EV1	m ² Glazing area	Surface coating * Surcharge		
					Preferred colour	RAL to choose	Special colour
1370	×	2010	2041	1,91	150	195	292
		2135	2061	2,05	153	199	299
		2290	2085	2,22	157	205	307
		2385	2099	2,32	158	206	309
		2510	2120	2,46	161	210	315
		2600	2133	2,56	163	212	318
		2710	2152	2,68	166	215	325
		2885	2178	2,87	174	226	338
1500	×	3000	2198	3,00	176	228	342
		2010	2062	2,13	154	201	301
		2135	2081	2,29	157	205	307
		2290	2105	2,48	161	210	315
		2385	2120	2,59	163	212	318
		2510	2141	2,75	166	215	325
		2600	2154	2,86	172	223	333
		2710	2173	2,99	174	226	338
		2885	2200	3,21	178	231	347
		3000	2219	3,35	180	235	353

Other door versions

Surcharge €



Frame view 110 mm instead of 70 mm (standard)

Per m

21

Glazings, door fittings, additional functions

A / RS 150 – aluminium hollow profiled section door



B	Glazing (standard delivery glass / panel fitted at the factory)		Surcharge €	
	For interior applications	No.	Max. glass dimensions	Per m² €
	Standard glazing, laminated safety glass 6 mm	033	2250 × 2333 mm	94
	Glazing, laminated safety glass 8 mm (standard from RAM height 2710 mm)	525	2600 × 4500 mm	110
	Glazing laminated safety glass 10 mm	527	2600 × 4500 mm	151
	Glazing laminated safety glass 6 mm with matt plastic film	528	2250 × 2333 mm	148
	Glazing single-pane safety glass 8 mm	524	2400 × 4500 mm	170
	Glazing single-pane safety glass 10 mm	526	2400 × 4500 mm	228
	Aluminium panel	527	1250 × 2500 mm	588
	Aluminium glass panel (2 × aluminium sheet, acoustic insulation glass on the inside)	514	1250 × 2500 mm	753

C	Fittings / additional functions		Surcharge €	
	• Lever handle set D116, oval rose escutcheon PC	Standard	Aluminium	93
			Stainless steel	131
	• Lever / knob handle set D116 with knob K117, oval rose escutcheon PC		Aluminium	140
			Stainless steel	206
	• HDC 35 EN 3–5 with slide rail • Fitting on opening side (hinge side) • RAM width min. 605 mm, max. 1270 mm	Standard	Silver-coloured	203
		⚠ Up to RAM width 1270 mm	RAL to choose	263
	• TS 5000 EN 2–6 with slide rail • Fitting on opening side (hinge side) • RAM width min. 605 mm, max. 1500 mm		Silver-coloured	292
		⚠ From RAM width 1271 mm	RAL to choose	341
	• Mortice lock BKS 1828		Standard	
	• Mortice lock BKS 1820 for change-over function B	Anti-panic function, single-leaf / half anti-panic, double-leaf		284
	• Mortice lock BKS 1824 for passage function D	Anti-panic function, single-leaf / half anti-panic, double-leaf		216
	• Mortice lock BKS 1826 for lever / knob function E	Anti-panic function, single-leaf / half anti-panic, double-leaf		137
	• Standard door hinge (Dr. Hahn 4), 20 mm pivot point, two-part, 3-way adjustable ⚠ Please take into consideration 2 hinges for the leaf!	EV1	Standard	
		RAL to choose	Per hinge	59
		Stainless steel look	Per hinge	82
	• Hörmann guide roller, 2-way adjustable ⚠ Please take into consideration 2 hinges for the leaf!	Stainless steel	Per hinge	167
		RAL to choose	Per hinge	197

Smoke-tight acc. to DIN 18095 / DIN EN 1634-3

	Retractable bottom seal			
	• For fitting on a smooth, level floor	Single-leaf	Standard	
	Delayed retractable bottom seal			
	• Suitable with different pressure ratios (air locks) • For fitting on a smooth, level floor	Single-leaf		143
	Floor covering transition profile Stainless steel flat material 38 × 1.2 mm, optional e.g. for tiles or carpeted floor		Single-leaf	34

Accessories

Glazings and infills	See from page 174
Horizontal rails / vertical rails	See page 193
Fittings Lever handle sets, profile cylinders, locks and electric extras	See from page 180
Door closers, hold-open devices and operators	See from page 194
Security features RC 2 / RC 3 acc. to DIN EN 1627	See from page 178
Steel frames for tubular frame parts	See from page 166

A / RS 250 – aluminium hollow profiled section door

Smoke-tight door assemblies, double-leaf



Approved as	Smoke-tight internal door	Smoke-tight internal door
	A/RS 250	A/RS 250 With steel frame
Depth [mm]	50 mm	50 mm
RAM width (min – max) [mm]	1355 – 3000	BRM 1285 × 2930
RAM height (min – max) [mm]	1740 – 3000	BRM 1705 × 2965
RAM including transom light max. [mm]		BRM 2930 × 3500
Optional additional functions		

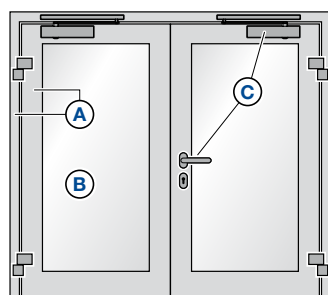
Detailed product description

Technical description, fitting instructions, fast-track programme

A/RS 250

A / RS 250 with steel frame

See page 36



Set price =

- Frame / leaf
- + Glazings
- + Fittings / additional functions

Already included in the price:

- 2 × retractable bottom seal
- 1 × mortice lock BKS 1828, incl. espagnolette lock (fixed leaf)
- 4 × 3-way adjustable door hinge Dr. Hahn 4, EV 1, 20 mm pivot point, two-part

Larger RAM on request

- State opening sense on order!

* For an overview of available surface finishes, see page 54



Frame / leaf

Ordering sizes (RAM) up to width × up to height			Frame / door leaf price A/RS 250 RAL 9016, E6/EV1	m ² Glazing area	Surface coating * Surcharge		
					Preferred colour	RAL to choose	Special colour
1500	×	2010	3526	1,86	231	301	453
		2135	3547	2,00	235	306	458
		2290	3572	2,16	241	313	470
		2385	3587	2,26	243	316	475
		2510	3608	2,40	248	324	485
		2600	3623	2,49	250	326	488
		2710	3641	2,61	256	332	498
		2885	3670	2,80	260	338	508
		3000	3690	2,92	262	341	511
1645	×	2010	3549	2,11	236	308	462
		2135	3570	2,27	241	313	470
		2290	3597	2,45	248	324	485
		2385	3611	2,57	250	326	488
		2510	3633	2,72	256	332	498
		2600	3647	2,83	258	334	502
		2710	3665	2,96	261	339	509
		2885	3695	3,18	266	347	522
		3000	3714	3,32	271	352	526
1770	×	2010	3570	2,33	242	314	472
		2135	3591	2,50	246	318	480
		2290	3617	2,71	255	330	494
		2385	3633	2,83	257	333	501
		2510	3654	3,00	260	338	508
		2600	3667	3,12	263	343	516
		2710	3687	3,27	266	347	522
		2885	3715	3,50	274	355	534
		3000	3735	3,66	277	360	540

► For additional size ranges, see next page

Other door versions

Surcharge €



Frame view 110 mm instead of 70 mm (standard)

Per m

21

Glazings, door fittings, additional functions

A / RS 250 – aluminium hollow profiled section door



B	Glazing (standard delivery glass / panel fitted at the factory)		Surcharge €	
	For interior applications	No.	Max. glass dimensions	Per m² €
	<i>Standard</i> glazing, laminated safety glass 6 mm	033	2250 × 2333 mm	94
	Glazing, laminated safety glass 8 mm (<i>standard from RAM height 2710 mm</i>)	525	2600 × 4500 mm	110
	Glazing laminated safety glass 10 mm	527	2600 × 4500 mm	151
	Glazing laminated safety glass 6 mm with matt plastic film	528	2250 × 2333 mm	148
	Glazing single-pane safety glass 8 mm	524	2400 × 4500 mm	170
	Glazing single-pane safety glass 10 mm	526	2400 × 4500 mm	228
	Aluminium panel	527	1250 × 2500 mm	588
	Aluminium glass panel (2 × aluminium sheet, acoustic insulation glass on the inside)	514	1250 × 2500 mm	753

C	Fittings / additional functions		Surcharge €	
	• Lever handle set D116 , oval rose escutcheon PC	<i>Standard</i>	Aluminium	93
			Stainless steel	131
	• Lever / knob handle set D116 with knob K117 , oval rose escutcheon PC		Aluminium	140
			Stainless steel	206
	• TS 5000 ISM with slide rail • Fitting on opening side (hinge side) • Opening angle 173°	<i>Standard</i>	Silver-coloured	616
			RAL to choose	760
	• Mortice lock BKS 1828 including espagnolette lock (fixed leaf)			<i>Standard</i>
	• Mortice lock BKS 1821 for change-over function B including anti-panic espagnolette lock	Anti-panic function double-leaf		695
	• Mortice lock BKS 1825 for passage function D including anti-panic espagnolette lock	Anti-panic function double-leaf		534
	• Mortice lock BKS 1827 for lever / knob function E including anti-panic espagnolette lock	Anti-panic function double-leaf		539
	• Standard door hinge (Dr. Hahn 4), 20 mm pivot point, two-part, 3-way adjustable ⚠ Please take into consideration 2 hinges for the leaf!	EV1		<i>Standard</i>
		RAL to choose	Per hinge	59
		Stainless steel look	Per hinge	82
	• Hörmann guide roller, 2-way adjustable ⚠ Please take into consideration 2 hinges for the leaf!	Stainless steel	Per hinge	167
		RAL to choose	Per hinge	197

Smoke-tight acc. to DIN 18095 / DIN EN 1634-3

	Retractable bottom seal			
	• For fitting on a smooth, level floor	Double-leaf		<i>Standard</i>
	Delayed retractable bottom seal			
	• Suitable with different pressure ratios (air locks)	Double-leaf		284
	• For fitting on a smooth, level floor			
	Floor covering transition profile Stainless steel flat material 38 × 1.2 mm, optional e.g. for tiles or carpeted floor	Double-leaf		69

Accessories

Glazings and infills	See from page 174
Horizontal rails / vertical rails	See from page 193
Fittings Lever handle sets, profile cylinders, locks and electric extras	See from page 180
Door closers, hold-open devices and operators	See from page 196
Security features RC 2 / RC 3 acc. to DIN EN 1627	See from page 178
Steel frames for tubular frame parts	See from page 166

A / RS 250 – aluminium

Smoke-tight door assemblies, double-leaf



Approved as	Smoke-tight internal door	Smoke-tight internal door
	A/RS 250	A/RS 250 With steel frame
Depth [mm]	50 mm	50 mm
RAM width (min – max) [mm]	1355 – 3000	BRM 1285 × 2930
RAM height (min – max) [mm]	1740 – 3000	BRM 1705 × 2965
RAM including transom light max. [mm]		BRM 2930 × 3500
Optional additional functions		

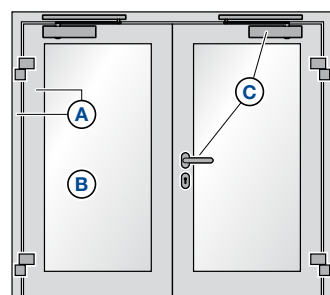
Detailed product description

Technical description, fitting instructions, fast-track programme

A/RS 250

A / RS 250 with steel frame

See page 36



Set price =

- Frame / leaf
- + Glazings
- + Fittings / additional functions

Already included in the price:

- 2 × retractable bottom seal
- 1 × mortice lock BKS 1828, incl. espagnolette lock (fixed leaf)
- 4 × 3-way adjustable door hinge Dr. Hahn 4, EV 1, 20 mm pivot point, two-part

Larger RAM on request

- State opening sense on order!

* For an overview of available surface finishes, see page 54



Frame / leaf

Ordering sizes (RAM) up to width × up to height			Frame / door leaf price A/RS 250 RAL 9016, E6/EV1	m ² Glazing area	Surface coating * Surcharge		
					Preferred colour	RAL to choose	Special colour
1895	×	2010	3591	2,55	248	324	485
		2135	3611	2,73	255	330	494
		2290	3638	2,96	259	336	505
		2385	3654	3,10	260	338	508
		2510	3675	3,28	264	344	517
		2600	3689	3,41	268	350	525
		2710	3708	3,57	274	355	534
		2885	3736	3,83	278	361	541
2020	×	3000	3756	4,00	282	366	551
		2010	3611	2,77	255	330	494
		2135	3633	2,96	258	334	502
		2290	3658	3,21	262	341	511
		2385	3675	3,36	264	344	517
		2510	3695	3,56	271	352	526
		2600	3710	3,70	274	355	534
		2710	3729	3,88	278	361	541
2145	×	2885	3757	4,16	284	370	556
		3000	3777	4,34	291	379	569
		2010	3633	2,98	258	334	502
		2135	3654	3,20	262	341	511
		2290	3679	3,46	267	349	523
		2385	3695	3,63	273	354	530
		2510	3715	3,84	277	360	540
		2600	3731	3,99	280	364	546
		2710	3748	4,18	284	370	556
		2885	3778	4,48	292	380	570
		3000	3798	4,68	297	386	578

► For additional size ranges, see next page

Other door versions

Surcharge €



Frame view 110 mm instead of 70 mm (standard)

Per m

21

Glazings, door fittings, additional functions

A / RS 250 – aluminium hollow profiled section door





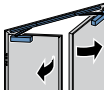







Smoke protection

Tubular frame parts
Aluminium

B

Glazing (standard delivery glass / panel fitted at the factory)	No.	Max. glass dimensions	Surcharge €
For interior applications			Per m² €
<i>Standard</i> glazing, laminated safety glass 6 mm	033	2250 × 2333 mm	94
Glazing, laminated safety glass 8 mm (<i>standard from RAM height 2710 mm</i>)	525	2600 × 4500 mm	110
Glazing laminated safety glass 10 mm	527	2600 × 4500 mm	151
Glazing laminated safety glass 6 mm with matt plastic film	528	2250 × 2333 mm	148
Glazing single-pane safety glass 8 mm	524	2400 × 4500 mm	170
Glazing single-pane safety glass 10 mm	526	2400 × 4500 mm	228
Aluminium panel	527	1250 × 2500 mm	588
Aluminium glass panel (2 × aluminium sheet, acoustic insulation glass on the inside)	514	1250 × 2500 mm	753

C

Fittings / additional functions	No.	Max. glass dimensions	Surcharge €
 • Lever handle set D116 , oval rose escutcheon PC		<i>Standard</i>	Aluminium 93
			Stainless steel 131
 • Lever / knob handle set D116 with knob K117 , oval rose escutcheon PC			Aluminium 140
			Stainless steel 206
 • TS 5000 ISM with slide rail • Fitting on opening side (hinge side) • Opening angle 173°		<i>Standard</i>	Silver-coloured 616
			RAL to choose 760
 • Mortice lock BKS 1828 including espagnolette lock (fixed leaf)			<i>Standard</i>
 • Mortice lock BKS 1821 for change-over function B including anti-panic espagnolette lock		Anti-panic function double-leaf	695
• Mortice lock BKS 1825 for passage function D including anti-panic espagnolette lock		Anti-panic function double-leaf	534
• Mortice lock BKS 1827 for lever / knob function E including anti-panic espagnolette lock		Anti-panic function double-leaf	539
 • Standard door hinge (Dr. Hahn 4), 20 mm pivot point, two-part, 3-way adjustable ⚠ Please take into consideration 2 hinges for the leaf!		EV1	<i>Standard</i>
		RAL to choose	Per hinge 59
		Stainless steel look	Per hinge 82
 • Hörmann guide roller, 2-way adjustable ⚠ Please take into consideration 2 hinges for the leaf!		Stainless steel	Per hinge 167
		RAL to choose	Per hinge 197
Smoke-tight acc. to DIN 18095 / DIN EN 1634-3			
 • Retractable bottom seal • For fitting on a smooth, level floor		Double-leaf	<i>Standard</i>
 • Delayed retractable bottom seal • Suitable with different pressure ratios (air locks) • For fitting on a smooth, level floor		Double-leaf	284
 • Floor covering transition profile Stainless steel flat material 38 × 1.2 mm, optional e.g. for tiles or carpeted floor		Double-leaf	69

Accessories

Glazings and infills	See from page 174
Horizontal rails / vertical rails	See from page 193
Fittings Lever handle sets, profile cylinders, locks and electric extras	See from page 180
Door closers, hold-open devices and operators	See from page 196
Security features RC 2 / RC 3 acc. to DIN EN 1627	See from page 178
Steel frames for tubular frame parts	See from page 166

A / RS 250 – aluminium

Smoke-tight door assemblies, double-leaf



Approved as	Smoke-tight internal door	Smoke-tight internal door
	A/RS 250	A/RS 250 With steel frame
Depth [mm]	50 mm	50 mm
RAM width (min – max) [mm]	1355 – 3000	BRM 1285 × 2930
RAM height (min – max) [mm]	1740 – 3000	BRM 1705 × 2965
RAM including transom light max. [mm]		BRM 2930 × 3500
Optional additional functions		

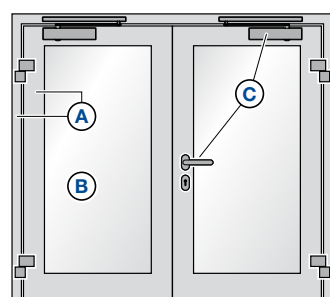
Detailed product description

Technical description, fitting instructions, fast-track programme

A/RS 250

A / RS 250 with steel frame

See page 36



Set price =

- Frame / leaf
- + Glazings
- + Fittings / additional functions

Already included in the price:

- 2 × retractable bottom seal
- 1 × mortice lock BKS 1828, incl. espagnolette lock (fixed leaf)
- 4 × 3-way adjustable door hinge Dr. Hahn 4, EV 1, 20 mm pivot point, two-part

Larger RAM on request

- State opening sense on order!

* For an overview of available surface finishes, see page 54



Frame / leaf

Ordering sizes (RAM) up to width × up to height			Frame / door leaf price A/RS 250 RAL 9016, E6/EV1	m ² Glazing area	Surface coating * Surcharge		
					Preferred colour	RAL to choose	Special colour
2270	×	2010	3554	3,20	261	339	509
		2135	3574	3,43	266	347	522
		2290	3599	3,72	274	355	534
		2385	3614	3,89	277	360	540
		2510	3634	4,12	282	366	551
		2600	3648	4,29	285	371	558
		2710	3666	4,49	292	380	570
		2885	3695	4,81	297	386	578
		3000	3714	5,02	301	391	588
2395	×	2010	3574	3,42	266	347	522
		2135	3593	3,66	273	354	530
		2290	3618	3,97	278	361	541
		2385	3634	4,15	282	366	551
		2510	3654	4,40	290	377	565
		2600	3668	4,58	292	380	570
		2710	3686	4,79	297	386	578
		2885	3715	5,14	303	394	591
		3000	3734	5,36	309	402	602
2500	×	2010	3590	3,60	271	352	526
		2135	3610	3,86	276	359	538
		2290	3635	4,18	282	366	551
		2385	3651	4,38	289	376	562
		2510	3670	4,63	293	381	572
		2600	3686	4,82	297	386	578
		2710	3704	5,05	301	391	588
		2885	3733	5,41	310	403	604
		3000	3750	5,65	313	407	611

► For additional size ranges, see next page

Other door versions

Surcharge €



Frame view 110 mm instead of 70 mm (standard)

Per m

21

Glazings, door fittings, additional functions

A / RS 250 – aluminium hollow profiled section door





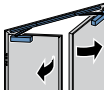







Smoke protection

Tubular frame parts
Aluminium

B

Glazing (standard delivery glass / panel fitted at the factory)	No.	Max. glass dimensions	Surcharge €
For interior applications			Per m² €
<i>Standard</i> glazing, laminated safety glass 6 mm	033	2250 × 2333 mm	94
Glazing, laminated safety glass 8 mm (<i>standard from RAM height 2710 mm</i>)	525	2600 × 4500 mm	110
Glazing laminated safety glass 10 mm	527	2600 × 4500 mm	151
Glazing laminated safety glass 6 mm with matt plastic film	528	2250 × 2333 mm	148
Glazing single-pane safety glass 8 mm	524	2400 × 4500 mm	170
Glazing single-pane safety glass 10 mm	526	2400 × 4500 mm	228
Aluminium panel	527	1250 × 2500 mm	588
Aluminium glass panel (2 × aluminium sheet, acoustic insulation glass on the inside)	514	1250 × 2500 mm	753

C

Fittings / additional functions	No.	Max. glass dimensions	Surcharge €
 • Lever handle set D116 , oval rose escutcheon PC		<i>Standard</i>	Aluminium 93
			Stainless steel 131
 • Lever / knob handle set D116 with knob K117 , oval rose escutcheon PC			Aluminium 140
			Stainless steel 206
 • TS 5000 ISM with slide rail • Fitting on opening side (hinge side) • Opening angle 173°		<i>Standard</i>	Silver-coloured 616
			RAL to choose 760
 • Mortice lock BKS 1828 including espagnolette lock (fixed leaf)			<i>Standard</i>
 • Mortice lock BKS 1821 for change-over function B including anti-panic espagnolette lock		Anti-panic function double-leaf	695
• Mortice lock BKS 1825 for passage function D including anti-panic espagnolette lock		Anti-panic function double-leaf	534
• Mortice lock BKS 1827 for lever / knob function E including anti-panic espagnolette lock		Anti-panic function double-leaf	539
 • Standard door hinge (Dr. Hahn 4), 20 mm pivot point, two-part, 3-way adjustable ⚠ Please take into consideration 2 hinges for the leaf!		EV1	<i>Standard</i>
		RAL to choose	Per hinge 59
		Stainless steel look	Per hinge 82
 • Hörmann guide roller, 2-way adjustable ⚠ Please take into consideration 2 hinges for the leaf!		Stainless steel	Per hinge 167
		RAL to choose	Per hinge 197
Smoke-tight acc. to DIN 18095 / DIN EN 1634-3			
 • Retractable bottom seal • For fitting on a smooth, level floor		Double-leaf	<i>Standard</i>
 • Delayed retractable bottom seal • Suitable with different pressure ratios (air locks) • For fitting on a smooth, level floor		Double-leaf	284
 • Floor covering transition profile Stainless steel flat material 38 × 1.2 mm, optional e.g. for tiles or carpeted floor		Double-leaf	69

Accessories

Glazings and infills	See from page 174
Horizontal rails / vertical rails	See from page 193
Fittings Lever handle sets, profile cylinders, locks and electric extras	See from page 180
Door closers, hold-open devices and operators	See from page 196
Security features RC 2 / RC 3 acc. to DIN EN 1627	See from page 178
Steel frames for tubular frame parts	See from page 166

A / RS 250 – aluminium

Smoke-tight door assemblies, double-leaf



Approved as	Smoke-tight internal door	Smoke-tight internal door
	A/RS 250	A/RS 250 With steel frame
Depth [mm]	50 mm	50 mm
RAM width (min – max) [mm]	1355 – 3000	BRM 1285 × 2930
RAM height (min – max) [mm]	1740 – 3000	BRM 1705 × 2965
RAM including transom light max. [mm]		BRM 2930 × 3500
Optional additional functions		

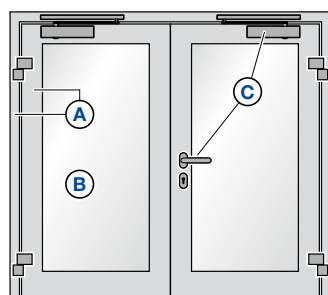
Detailed product description

Technical description, fitting instructions, fast-track programme

A/RS 250

A / RS 250 with steel frame

See page 36



Set price =

- Frame / leaf
- + Glazings
- + Fittings / additional functions



Frame / leaf

Ordering sizes (RAM) up to width × up to height		Frame / door leaf price	m ² Glazing area	Surface coating * Surcharge		
		A/RS 250 RAL 9016, E6/EV1		Preferred colour	RAL to choose	Special colour
2615	×	2010	3,20	276	359	538
		2135	3,43	281	365	547
		2290	3,72	290	377	565
		2385	3,89	292	380	570
		2510	4,12	298	387	579
		2600	4,29	301	391	588
		2710	4,49	309	402	602
		2885	4,81	314	410	615
		3000	5,02	318	415	623

Already included in the price:

- 2 × retractable bottom seal
- 1 × mortice lock BKS 1828, incl. espagnolette lock (fixed leaf)
- 4 × 3-way adjustable door hinge Dr. Hahn 4, EV 1, 20 mm pivot point, two-part

Larger RAM on request

► State opening sense on order!

* For an overview of available surface finishes, see page 54

Other door versions

Surcharge €



Frame view 110 mm instead of 70 mm (standard)

Per m

21

Glazings, door fittings, additional functions

A / RS 250 – aluminium hollow profiled section door



Smoke protection

Tubular frame parts
Aluminium

B

Glazing (standard delivery glass / panel fitted at the factory)

Surcharge €

For interior applications	No.	Max. glass dimensions	Per m² €
<i>Standard</i> glazing, laminated safety glass 6 mm	033	2250 × 2333 mm	94
Glazing, laminated safety glass 8 mm (<i>standard from RAM height 2710 mm</i>)	525	2600 × 4500 mm	110
Glazing laminated safety glass 10 mm	527	2600 × 4500 mm	151
Glazing laminated safety glass 6 mm with matt plastic film	528	2250 × 2333 mm	148
Glazing single-pane safety glass 8 mm	524	2400 × 4500 mm	170
Glazing single-pane safety glass 10 mm	526	2400 × 4500 mm	228
Aluminium panel	527	1250 × 2500 mm	588
Aluminium glass panel (2 × aluminium sheet, acoustic insulation glass on the inside)	514	1250 × 2500 mm	753

C

Fittings / additional functions

Surcharge €

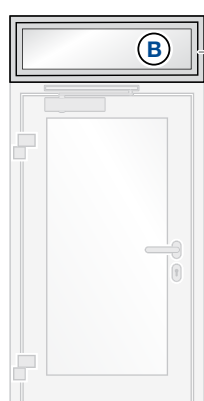
	• Lever handle set D116 , oval rose escutcheon PC	<i>Standard</i>	Aluminium	93
			Stainless steel	131
	• Lever / knob handle set D116 with knob K117 , oval rose escutcheon PC		Aluminium	140
			Stainless steel	206
	• TS 5000 ISM with slide rail • Fitting on opening side (hinge side) • Opening angle 173°	<i>Standard</i>	Silver-coloured	616
			RAL to choose	760
	• Mortice lock BKS 1828 including espagnolette lock (fixed leaf)			<i>Standard</i>
	• Mortice lock BKS 1821 for change-over function B including anti-panic espagnolette lock		Anti-panic function double-leaf	695
	• Mortice lock BKS 1825 for passage function D including anti-panic espagnolette lock		Anti-panic function double-leaf	534
	• Mortice lock BKS 1827 for lever / knob function E including anti-panic espagnolette lock		Anti-panic function double-leaf	539
	• Standard door hinge (Dr. Hahn 4), 20 mm pivot point, two-part, 3-way adjustable ⚠ Please take into consideration 2 hinges for the leaf!	EV1		<i>Standard</i>
		RAL to choose	Per hinge	59
		Stainless steel look	Per hinge	82
	• Hörmann guide roller, 2-way adjustable ⚠ Please take into consideration 2 hinges for the leaf!	Stainless steel	Per hinge	167
		RAL to choose	Per hinge	197

Smoke-tight acc. to DIN 18095 / DIN EN 1634-3

		Retractable bottom seal	
		• For fitting on a smooth, level floor	Double-leaf
			<i>Standard</i>
		Delayed retractable bottom seal	
		• Suitable with different pressure ratios (air locks) • For fitting on a smooth, level floor	Double-leaf
			284
		Floor covering transition profile	
		Stainless steel flat material 38 × 1.2 mm, optional e.g. for tiles or carpeted floor	Double-leaf
			69

Accessories

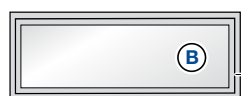
Glazings and infills	See from page 174
Horizontal rails / vertical rails	See from page 193
Fittings Lever handle sets, profile cylinders, locks and electric extras	See from page 180
Door closers, hold-open devices and operators	See from page 196
Security features RC 2 / RC 3 acc. to DIN EN 1627	See from page 178
Steel frames for tubular frame parts	See from page 166



Transom light



Side element



Fixed glazing

Set price =

- (A) Frame
 + (B) Glazing

A

Fixed glazing A / RS 350

Ordering sizes (RAM) up to width × up to height			Frame price A/RS 350 RAL 9016, E6/EV1	m ² Glazing area ¹⁾	Surface coating ²⁾ Surcharge		
					Preferred colour	RAL to choose	Special colour
1020	×	510	686	0,50	56	74	110
		635	701	0,50	63	82	124
		760	717	0,60	68	87	132
		885	734	0,72	71	93	139
		1040	752	0,86	75	98	146
		1135	765	0,95	76	99	149
		1260	781	1,06	77	101	152
		1395	799	1,19	81	104	157
		1500	813	1,28	82	107	160
1145	×	510	701	0,50	60	79	118
		635	717	0,56	68	87	132
		760	734	0,69	69	88	134
		885	749	0,82	72	94	141
		1040	769	0,98	77	101	152
		1135	781	1,08	79	102	153
		1260	796	1,21	81	104	157
		1395	815	1,35	85	111	167
		1500	828	1,46	87	114	172
1270	×	510	717	0,50	64	83	125
		635	734	0,62	69	88	134
		760	749	0,77	72	94	141
		885	765	0,91	76	99	149
		1040	785	1,10	80	103	156
		1135	796	1,21	81	104	157
		1260	814	1,35	85	111	167
		1395	830	1,51	87	114	172
		1500	844	1,63	93	120	180

Larger RAM in width and height on request.

- 1) Minimum calculation surface 0.5 m²
 2) For an overview of available surface finishes, see page 54
 ► For additional size ranges, see next page

Other door versions

Surcharge €



Frame view 110 mm instead of 70 mm (standard)

Per m

21

Vertical / horizontal profile constructions opening outwards

✓ Doors with side element and / or transom light (glazing beads on opposite hinge side)

179

B

Glazing (standard delivery glass / panel separate)

Surcharge €

Fitting of the glass or panel at the factory (observe the order information on page 56!)

Per leaf

189

For interior applications	No.	Max. glass dimensions	Per m ² €
Standard glazing, laminated safety glass 6 mm	033	2250 × 2333 mm	94
Glazing, laminated safety glass 8 mm (standard from RAM height 2710 mm)	525	2600 × 4500 mm	110
Glazing laminated safety glass 10 mm	527	2600 × 4500 mm	151
Glazing laminated safety glass 6 mm with matt plastic film	528	2250 × 2333 mm	148
Glazing single-pane safety glass 8 mm	524	2400 × 4500 mm	170
Glazing single-pane safety glass 10 mm	526	2400 × 4500 mm	228
Aluminium panel	527	1250 × 2500 mm	588
Aluminium glass panel (2 × aluminium sheet, acoustic insulation glass on the inside)	514	1250 × 2500 mm	753

Accessories

Optional extras	See from page 177
Horizontal rails and vertical rails, crossing points	See page 193
Arches, chamfers and recesses	See from page 193
Special glass	See from page 172
Steel frames for version with transom light	See from page 166

A / RS 350 – aluminium fixed glazing

Smoke-tight glazing – for doors and walls as a transom light, side element or fixed glazing



Approved as	Interior smoke-tight glazing
	A / RS 350
Depth [mm]	50 mm
RAM width (max) [mm]	Unlimited
RAM height (max) [mm]	4500
Optional additional functions	

Detailed product description

Technical description, fitting instructions

A/RS 350

See page 38

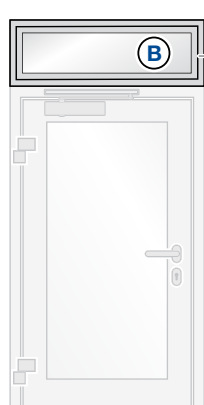
		Fixed glazing A / RS 350		Surface coating ²⁾ Surcharge		
Ordering sizes (RAM) up to width × up to height		Frame price A/RS 350 RAL 9016, E6/EV1	m ² Glazing area ¹⁾	Preferred colour	RAL to choose	Special colour
1370	×	510	0,52	68	87	132
		635	0,68	71	93	139
		760	0,83	75	98	146
		885	0,99	77	101	152
		1040	1,19	81	104	157
		1135	1,31	83	108	162
		1260	1,47	87	114	172
		1395	1,64	92	119	178
		1500	1,77	96	124	185
				99	128	192
1500	×	510	0,57	72	94	141
		635	0,75	75	98	146
		760	0,92	80	103	156
		885	1,09	82	107	160
		1040	1,31	87	114	172
		1135	1,44	92	119	178
		1260	1,62	96	124	185
		1395	1,81	98	127	191
		1500	1,95	101	132	198
				104	135	203
1645	×	510	0,63	75	98	146
		635	0,82	80	103	156
		760	1,02	82	107	160
		885	1,21	86	112	170
		1040	1,45	92	119	178
		1135	1,59	96	124	185
		1260	1,79	99	128	192
		1395	2,00	101	132	198
		1500	2,16	104	135	203
1770	×	510	0,68	79	102	153
		635	0,89	82	107	160
		760	1,10	86	112	170
		885	1,31	92	119	178
		1040	1,56	96	124	185
		1135	1,72	98	127	191
		1260	1,93	101	132	198
		1395	2,16	104	135	203
		1500	2,33			

Set price =

- (A) Frame
 + (B) Glazing

Larger RAM in width and height on request.

- 1) Minimum calculation surface 0.5 m²
 2) For an overview of available surface finishes, see page 54



Transom light



Side element



Fixed glazing

Set price =

- (A) Frame
 + (B) Glazing

A

Fixed glazing A / RS 350

Ordering sizes (RAM) up to width × up to height			Frame price A/RS 350 RAL 9016, E6/EV1	m ² Glazing area ¹⁾	Surface coating ²⁾ Surcharge		
					Preferred colour	RAL to choose	Special colour
1895	×	510	796	0,73	76	99	149
		635	814	0,96	80	103	156
		760	829	1,18	85	111	167
		885	845	1,40	87	114	172
		1040	865	1,68	94	123	184
		1135	877	1,85	98	127	191
		1260	894	2,08	100	129	195
		1395	910	2,32	104	135	203
		1500	924	2,51	107	139	209
2020	×	510	814	0,78	79	102	153
		635	829	1,02	82	107	160
		760	845	1,26	85	111	167
		885	861	1,50	92	119	178
		1040	880	1,80	97	125	187
		1135	894	1,98	100	129	195
		1260	909	2,22	103	134	202
		1395	928	2,48	110	144	215
		1500	940	2,68	114	149	224
2145	×	510	829	0,83	80	103	156
		635	845	1,09	83	108	162
		760	861	1,34	87	114	172
		885	877	1,60	94	123	184
		1040	897	1,92	99	128	192
		1135	909	2,11	102	133	199
		1260	926	2,37	105	137	207
		1395	944	2,64	114	149	224
		1500	956	2,86	117	151	227

Larger RAM in width and height on request.

► For additional size ranges, see next page

1) Minimum calculation surface 0.5 m²

2) For an overview of available surface finishes, see page 54

Other door versions

Surcharge €



Frame view 110 mm instead of 70 mm (standard)

Per m

21

Vertical / horizontal profile constructions opening outwards

✓ Doors with side element and / or transom light (glazing beads on opposite hinge side)

179

B

Glazing (standard delivery glass / panel separate)

Surcharge €

Fitting of the glass or panel at the factory (observe the order information on page 56!)

Per leaf

189

For interior applications	No.	Max. glass dimensions	Per m ² €
Standard glazing, laminated safety glass 6 mm	033	2250 × 2333 mm	94
Glazing, laminated safety glass 8 mm (standard from RAM height 2710 mm)	525	2600 × 4500 mm	110
Glazing laminated safety glass 10 mm	527	2600 × 4500 mm	151
Glazing laminated safety glass 6 mm with matt plastic film	528	2250 × 2333 mm	148
Glazing single-pane safety glass 8 mm	524	2400 × 4500 mm	170
Glazing single-pane safety glass 10 mm	526	2400 × 4500 mm	228
Aluminium panel	527	1250 × 2500 mm	588
Aluminium glass panel (2 × aluminium sheet, acoustic insulation glass on the inside)	514	1250 × 2500 mm	753

Accessories

Optional extras	See from page 177
Horizontal rails and vertical rails, crossing points	See page 193
Special glass	See from page 172
Steel frames for version with transom light	See from page 166

A / RS 350 – aluminium fixed glazing

Smoke-tight glazing – for doors and walls as a transom light, side element or fixed glazing



Approved as	Interior smoke-tight glazing
	A / RS 350
Depth [mm]	50 mm
RAM width (max) [mm]	Unlimited
RAM height (max) [mm]	4500
Optional additional functions	

Detailed product description

Technical description, fitting instructions

A/RS 350

See page 38

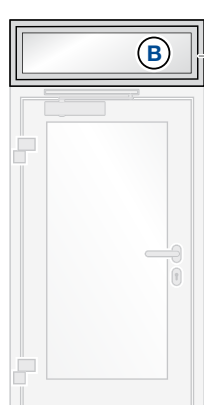
		Fixed glazing A / RS 350		Surface coating ²⁾ Surcharge		
Ordering sizes (RAM) up to width × up to height		Frame price A/RS 350 RAL 9016, E6/EV1	m ² Glazing area ¹⁾	Preferred colour	RAL to choose	Special colour
2270	×	510	0,88	82	107	160
		635	1,16	85	111	167
		760	1,43	92	119	178
		885	1,70	97	125	187
		1040	2,03	101	132	198
		1135	2,24	104	135	203
		1260	2,51	111	145	216
		1395	2,80	117	151	227
2395	×	1500	3,03	120	156	233
		510	0,94	83	108	162
		635	1,22	90	118	177
		760	1,51	94	123	184
		885	1,80	99	128	192
		1040	2,15	103	134	202
		1135	2,37	107	139	209
		1260	2,66	115	150	225
2500	×	1395	2,96	120	156	233
		1500	3,21	124	160	241
		510	0,98	85	111	167
		635	1,28	92	119	178
		760	1,58	97	125	187
		885	1,88	101	132	198
		1040	2,25	105	137	207
		1135	2,48	111	145	216
2615	×	1260	2,78	118	153	230
		1395	3,10	123	159	239
		1500	3,35	126	163	246
		510	1,03	86	112	170
		635	1,34	94	123	184
		760	1,65	98	127	191
		885	1,97	102	133	199
		1040	2,36	111	145	216
		1135	2,60	115	150	225
		1260	2,91	120	156	233
		1395	3,25	125	162	244
		1500	3,51	131	170	256

Set price =

- (A) Frame
 + (B) Glazing

Larger RAM in width and height on request.

- 1) Minimum calculation surface 0.5 m²
 2) For an overview of available surface finishes, see page 54



Transom light



Side element



Fixed glazing

Set price =

- A** Frame
+ **B** Glazing

A

Fixed glazing A / RS 350

Ordering sizes (RAM) up to width × up to height			Frame price A/RS 350 RAL 9016, E6/EV1	m ² Glazing area ¹⁾	Surface coating ²⁾ Surcharge		
					Preferred colour	RAL to choose	Special colour
2730	×	510	903	1,07	90	118	177
		635	920	1,40	96	124	185
		760	935	1,73	100	129	195
		885	953	2,06	104	135	203
		1040	972	2,47	115	150	225
		1135	984	2,71	118	153	230
		1260	1001	3,04	123	159	239
		1395	1017	3,40	129	169	254
		1500	1032	3,67	133	174	260
2845	×	510	919	1,12	93	120	180
		635	934	1,46	98	127	191
		760	952	1,80	101	132	198
		885	967	2,15	107	139	209
		1040	987	2,57	117	151	227
		1135	1000	2,83	121	158	238
		1260	1015	3,18	125	162	244
		1395	1033	3,55	132	172	257
		1500	1045	3,83	136	178	266
3000	×	510	938	1,18	94	123	184
		635	955	1,54	100	129	195
		760	971	1,91	103	134	202
		885	987	2,27	111	145	216
		1040	1006	2,72	120	156	233
		1135	1018	2,99	124	160	241
		1260	1035	3,36	131	170	256
		1395	1052	3,75	135	176	263
		1500	1065	4,05	141	184	277

Larger RAM in width and height on request.

► For additional size ranges, see next page

1) Minimum calculation surface 0.5 m²

2) For an overview of available surface finishes, see page 54

Other door versions

Surcharge €



Frame view 110 mm instead of 70 mm (standard)

Per m

21

Vertical / horizontal profile constructions opening outwards

✓ Doors with side element and / or transom light (glazing beads on opposite hinge side)

179

B

Glazing (standard delivery glass / panel separate)

Surcharge €

Fitting of the glass or panel at the factory (observe the order information on page 56!)

Per leaf

189

For interior applications	No.	Max. glass dimensions	Per m ² €
Standard glazing, laminated safety glass 6 mm	033	2250 × 2333 mm	94
Glazing, laminated safety glass 8 mm (standard from RAM height 2710 mm)	525	2600 × 4500 mm	110
Glazing laminated safety glass 10 mm	527	2600 × 4500 mm	151
Glazing laminated safety glass 6 mm with matt plastic film	528	2250 × 2333 mm	148
Glazing single-pane safety glass 8 mm	524	2400 × 4500 mm	170
Glazing single-pane safety glass 10 mm	526	2400 × 4500 mm	228
Aluminium panel	527	1250 × 2500 mm	588
Aluminium glass panel (2 × aluminium sheet, acoustic insulation glass on the inside)	514	1250 × 2500 mm	753

Accessories

Optional extras	See from page 177
Horizontal rails and vertical rails, crossing points	See page 193
Special glass	See from page 172
Steel frames for version with transom light	See from page 166

A / RS 100 – aluminium hollow profiled section door

Smoke-tight door assemblies, single-leaf with thermal insulation



Approved as	Internal door	External door	Internal door	Internal door
	A/RS 100	A/RS 100	A/RS 100 With frame without face	A/RS 100 With steel frame
Depth [mm]	80 mm			
RAM width (min – max) [mm]	605 – 1300	605 – 1500	788 – 1415	BRM 535 – 1430
RAM height (min – max) [mm]	1740 – 3000	1740 – 3000	1710 – 2500	BRM 1705 – 2965
RAM including transom light max. [mm]			1415 x 3000	BRM 1430 – 3500
Optional additional functions	RC 2 RC 3 A	RC 2 RC 3 A	RC 2 RC 3 A	RC 2 RC 3 A

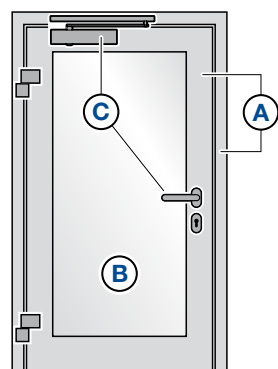
Detailed product description

Technical description, fitting instructions, fast-track programme

A/RS 100

A / RS 100 with steel frame

See page 40



Set price =

- Ⓐ Frame / leaf
- + Ⓑ Glazings
- + Ⓒ Fittings / additional functions

Already included in the price:

- 1 x retractable bottom seal
- 1 x mortice lock BKS 1828
- 2 x 3-way adjustable door hinge Dr. Hahn 4, EV 1, 20 mm pivot point, two-part

► State opening sense on order!

* For an overview of available surface finishes, see page 54

A Frame / leaf			Frame / door leaf price	m ² Glazing area	Surface coating * Surcharge		
Ordering sizes (RAM) up to width x up to height			A/RS 100 RAL 9016, E6/EV1		Preferred colour	RAL to choose	Special colour
1020	x	2010	2546	1,30	139	180	271
		2135	2586	1,39	143	185	278
		2290	2635	1,51	146	190	284
		2385	2666	1,58	150	195	292
		2510	2705	1,67	153	199	299
		2600	2733	1,74	156	202	303
		2710	2768	1,82	157	205	307
		2885	2823	1,95	160	209	313
		3000	2860	2,04	162	211	316
1145	x	2010	2586	1,52	145	189	283
		2135	2625	1,63	149	193	291
		2290	2675	1,76	151	196	294
		2385	2705	1,84	154	201	301
		2510	2745	1,95	157	205	307
		2600	2774	2,03	159	207	310
		2710	2809	2,13	161	210	315
		2885	2865	2,28	166	215	325
		3000	2901	2,38	172	223	333
1270	x	2010	2625	1,73	150	195	292
		2135	2666	1,86	153	199	299
		2290	2713	2,01	157	205	307
		2385	2745	2,11	159	207	310
		2510	2785	2,23	161	210	315
		2600	2813	2,32	163	212	318
		2710	2848	2,43	166	215	325
		2885	2903	2,61	173	225	337
		3000	2940	2,72	175	227	341

► For additional size ranges, see next page

Other door versions

Surcharge €



Frame view 110 mm instead of 70 mm (standard)

Per m **25**

Construction project door OT 80

Construction project door OT 80 (door without smoke-tight properties, therefore omission of retractable bottom seal)

Price reduction **-167**

Aluminium frame without face

Aluminium frame without face with stainless steel guide rollers and integrated door closer ITS 96

1136

A / RS 100 outside application



Threshold with thermal break for water tightness under heavy rain (*standard* for outside application)

-60

Top locking (only for doors from RAM height > 2150 mm, optional triple lock)

416

Already suitable for outside application with standard glazing (insulated glass)

Glazings, door fittings, additional functions



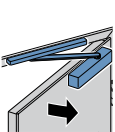


A / RS 100 – aluminium hollow profiled section door, insulated



Smoke protection

Tubular frame parts
Aluminium

B Glazing (standard delivery glass / panel separate)		Surcharge €	
Fitting of the glass or panel at the factory (observe the order information on page 56!)		Per leaf	189
For interior applications		No.	Per m ² €
Insulated glazing 2 × laminated safety glass 6 mm ($U_D = 3.0$) <i>standard</i>		226	291
Insulated glass 2 × laminated safety glass 6 mm ($U_D = 1.1$)		288	308
Insulated glass 2 × laminated safety glass 8 mm ($U_D = 1.1$)		091	358
Insulated glass 2 × single-pane safety glass 8 mm ($U_D = 1.1$)		095	629
Aluminium panel		517	445
Aluminium glass panel (2 × aluminium sheet, insulated glass on the inside)		511	730
Aluminium glass panel (2 × aluminium sheet, acoustic insulation glass on the inside)		509	995

C Fittings / additional functions		Surcharge €		
	<ul style="list-style-type: none">• Lever handle set D116, oval rose escutcheon PC	Standard	Aluminium 93	
			Stainless steel 131	
	<ul style="list-style-type: none">• Lever / knob handle set D116 with knob K117, oval rose escutcheon PC		Aluminium 140	
			Stainless steel 206	
	<ul style="list-style-type: none">• HDC 35 EN 3–5 with slide rail• Fitting on opening side (hinge side)• RAM width min. 605 mm, max. 1270 mm	 Up to RAM width 1270 mm	Standard	Silver-coloured 203
				RAL to choose 263
	<ul style="list-style-type: none">• TS 5000 EN 2–6 with slide rail• Fitting on opening side (hinge side)• RAM width min. 605 mm, max. 1500 mm	 From RAM width 1271 mm		Silver-coloured 292
				RAL to choose 341
Note: An overhead door closer is not necessary for OT80 doors				

	• Mortice lock BKS 1828	<i>Standard</i>	
	• Mortice lock BKS 1820 for change-over function B	Anti-panic function, single-leaf / half anti-panic, double-leaf	284
	• Mortice lock BKS 1824 for passage function D	Anti-panic function, single-leaf / half anti-panic, double-leaf	216
	• Mortice lock BKS 1826 for lever / knob function E	Anti-panic function, single-leaf / half anti-panic, double-leaf	137
	• Standard door hinge (Dr. Hahn 4), 20 mm pivot point, two-part, 3-way adjustable ⚠ Please take into consideration 2 hinges for the leaf!	EV1	<i>Standard</i>
		RAL to choose	Per hinge 59
	• Hörmann guide roller, 2-way adjustable ⚠ Please take into consideration 2 hinges for the leaf!	Stainless steel look	Per hinge 82
		Stainless steel	Per hinge 167
		RAL to choose	Per hinge 197

Smoke-tight acc. to DIN 18095 / DIN EN 1634-3			
	Retractable bottom seal		
	• For fitting on a smooth, level floor	Single-leaf	<i>Standard</i>
	⚠ Limited leak tightness of doors in outside application		
	Delayed retractable bottom seal		
	• Suitable with different pressure ratios (air locks)	Single-leaf For A/RS	143
	• For fitting on a smooth, level floor		
	Floor covering transition profile Stainless steel flat material 38 × 1.2 mm, optional e.g. for tiles or carpeted floor	Single-leaf For OT80	310
		Single-leaf	34

Accessories	
Glazings and infills	See from page 174
Horizontal rails / vertical rails	See page 193
Fittings Lever handle sets, profile cylinders, locks and electric extras	See from page 180
Door closers, hold-open devices and operators	See from page 194
Security features RC 2 / RC 3 acc. to DIN EN 1627	See from page 178
Steel frames for tubular frame parts	See from page 166

A / RS 100 – aluminium hollow profiled section door

Smoke-tight door assemblies, single-leaf with thermal insulation



Approved as	Internal door	External door	Internal door	Internal door
	A/RS 100	A/RS 100	A/RS 100 With frame without face	A/RS 100 With steel frame
Depth [mm]	80 mm			
RAM width (min – max) [mm]	605 – 1300	605 – 1500	788 – 1415	BRM 535 – 1430
RAM height (min – max) [mm]	1740 – 3000	1740 – 3000	1710 – 2500	BRM 1705 – 2965
RAM including transom light max. [mm]			1415 x 3000	BRM 1430 – 3500
Optional additional functions	RC 2 RC 3	RC 2 RC 3	RC 2 RC 3	RC 2 RC 3

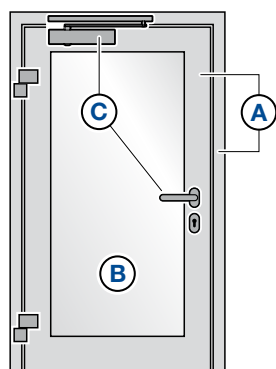
Detailed product description

Technical description, fitting instructions, fast-track programme

A/RS 100

A / RS 100 with steel frame

See page 40



Set price =

- A** Frame / leaf
- + **B** Glazings
- + **C** Fittings / additional functions

Already included in the price:

- 1 x retractable bottom seal
- 1 x mortice lock BKS 1828
- 2 x 3-way adjustable door hinge Dr. Hahn 4, EV 1, 20 mm pivot point, two-part



Frame / leaf

Ordering sizes (RAM) up to width x up to height			Frame / door leaf price A/RS 100 RAL 9016, E6/EV1	m ² Glazing area	Surface coating * Surcharge		
					Preferred colour	RAL to choose	Special colour
1370	x	2010	2657	1,91	150	195	292
		2135	2697	2,05	153	199	299
		2290	2746	2,22	157	205	307
		2385	2777	2,32	158	206	309
		2510	2816	2,46	161	210	315
		2600	2845	2,56	163	212	318
		2710	2881	2,68	166	215	325
		2885	2936	2,87	174	226	338
		3000	2972	3,00	176	228	342
					154	201	301
1500	x	2010	2698	2,13	157	205	307
		2135	2739	2,29	161	210	315
		2290	2787	2,48	163	212	318
		2385	2817	2,59	166	215	325
		2510	2857	2,75	172	223	333
		2600	2886	2,86	174	226	338
		2710	2920	2,99	178	231	347
		2885	2976	3,21	180	235	353
		3000	3013	3,35			

► State opening sense on order!

* For an overview of available surface finishes, see page 54

Other door versions

Surcharge €



Frame view 110 mm instead of 70 mm (standard)

Per m **25**

Construction project door OT 80

Construction project door OT 80 (door without smoke-tight properties, therefore omission of retractable bottom seal)

Price reduction **-167**

Aluminium frame without face

Aluminium frame without face with stainless steel guide rollers and integrated door closer ITS 96

1136

A / RS 100 outside application



Threshold with thermal break for water tightness under heavy rain (*standard* for outside application)

-60

Top locking (only for doors from RAM height > 2150 mm, optional triple lock)

416

Already suitable for outside application with standard glazing (insulated glass)

Glazings, door fittings, additional functions

A / RS 100 – aluminium hollow profiled section door, insulated



Smoke protection

Tubular frame parts
Aluminium

B

Glazing (standard delivery glass / panel separate)

Surcharge €

Fitting of the glass or panel at the factory (observe the order information on page 56!)

Per leaf 189

For interior applications

No. Max. glass dimensions Per m² €

Insulated glazing 2 x laminated safety glass 6 mm ($U_D = 3.0$) standard	226	1500 x 2500 mm	291
Insulated glass 2 x laminated safety glass 6 mm ($U_D = 1.1$)	288	1500 x 2500 mm	308
Insulated glass 2 x laminated safety glass 8 mm ($U_D = 1.1$)	091	2600 x 4500 mm	358
Insulated glass 2 x single-pane safety glass 8 mm ($U_D = 1.1$)	095	2500 x 5000 mm	629
Aluminium panel	517	1250 x 2500 mm	445
Aluminium glass panel (2 x aluminium sheet, insulated glass on the inside)	511	1250 x 2500 mm	730
Aluminium glass panel (2 x aluminium sheet, acoustic insulation glass on the inside)	509	1250 x 2500 mm	995

C

Fittings / additional functions

Surcharge €



- **Lever handle set D116**, oval rose escutcheon PC

Standard Aluminium 93

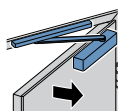
Stainless steel 131



- **Lever / knob handle set D116 with knob K117**, oval rose escutcheon PC

Aluminium 140

Stainless steel 206



- **HDC 35** EN 3–5 with slide rail
- Fitting on opening side (hinge side)
- RAM width min. 605 mm, max. 1270 mm

⚠ Up to RAM width 1270 mm

Standard Silver-coloured 203

RAL to choose 263

- **TS 5000** EN 2–6 with slide rail
- Fitting on opening side (hinge side)
- RAM width min. 605 mm, max. 1500 mm

⚠ From RAM width 1271 mm

Silver-coloured 292

RAL to choose 341

Note:

An overhead door closer is not necessary for OT80 doors



- Mortice lock BKS 1828

Standard



- Mortice lock BKS 1820 for change-over function B

Anti-panic function, single-leaf / half anti-panic, double-leaf 284

- Mortice lock BKS 1824 for passage function D

Anti-panic function, single-leaf / half anti-panic, double-leaf 216

- Mortice lock BKS 1826 for lever / knob function E

Anti-panic function, single-leaf / half anti-panic, double-leaf 137



- Standard door hinge (Dr. Hahn 4), 20 mm pivot point, two-part, 3-way adjustable
- ⚠ Please take into consideration 2 hinges for the leaf!

EV1 Standard

RAL to choose Per hinge 59

Stainless steel look Per hinge 82



- Hörmann guide roller, 2-way adjustable
- ⚠ Please take into consideration 2 hinges for the leaf!

Stainless steel Per hinge 167

RAL to choose Per hinge 197

Smoke-tight acc. to DIN 18095 / DIN EN 1634-3

Retractable bottom seal

- For fitting on a smooth, level floor
- ⚠ Limited leak tightness of doors in outside application

Single-leaf Standard



Delayed retractable bottom seal

- Suitable with different pressure ratios (air locks)
- For fitting on a smooth, level floor
- ⚠ Limited leak tightness of doors in outside application

Single-leaf For A/RS 143

Single-leaf For OT80 310



Floor covering transition profile

Stainless steel flat material 38 x 1.2 mm, optional e.g. for tiles or carpeted floor

Single-leaf 34

Accessories

Glazings and infills	See from page 174
Horizontal rails / vertical rails	See page 193
Fittings	See from page 180
Lever handle sets, profile cylinders, locks and electric extras	
Door closers, hold-open devices and operators	See from page 194
Security features RC 2 / RC 3 acc. to DIN EN 1627	See from page 178
Steel frames for tubular frame parts	See from page 166

A / RS 200 – aluminium hollow profiled section door

Smoke-tight door assemblies, double-leaf with thermal insulation



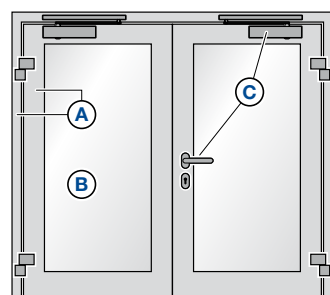
Approved as	Internal door	External door	Internal door	Internal door
	A/RS 200	A/RS 200	A/RS 200 With frame without face	A/RS 200 With steel frame
Depth [mm]	80 mm			
RAM width (min – max) [mm]	1355 – 3000	1400 × 2600	1538 × 2810	BRM 1285 × 2930
RAM height (min – max) [mm]	1740 – 3000	1740 × 2500	1710 × 2500	BRM 1705 × 2965
RAM including transom light max. [mm]			2810 × 3000	BRM 2930 × 3500
Optional additional functions				

Detailed product description

Technical description, fitting instructions, fast-track programme

A/RS 200

See page 40



Set price =

- Frame / leaf
- + Glazings
- + Fittings / additional functions

Already included in the price:

- 2 × retractable bottom seal
- 1 × mortice lock BKS 1828, incl. espagnolette lock (fixed leaf)
- 4 × 3-way adjustable door hinge Dr. Hahn 4, EV 1, 20 mm pivot point, two-part

► State opening sense on order!

* For an overview of available surface finishes, see page 54



Frame / leaf

Ordering sizes (RAM) up to width × up to height			Frame / door leaf price A/RS 200 RAL 9016, E6/EV1	m ² Glazing area	Surface coating * Surcharge		
					Preferred colour	RAL to choose	Special colour
1500	×	2010	4433	1,86	231	301	453
		2135	4481	2,00	235	306	458
		2290	4539	2,16	241	313	470
		2385	4575	2,26	243	316	475
		2510	4622	2,40	248	324	485
		2600	4657	2,49	250	326	488
		2710	4698	2,61	256	332	498
		2885	4764	2,80	260	338	508
1645	×	3000	4807	2,92	262	341	511
		2010	4487	2,11	236	308	462
		2135	4536	2,27	241	313	470
		2290	4594	2,45	248	324	485
		2385	4630	2,57	250	326	488
		2510	4677	2,72	256	332	498
		2600	4712	2,83	258	334	502
		2710	4752	2,96	261	339	509
1770	×	2885	4819	3,18	266	347	522
		3000	4861	3,32	271	352	526
		2010	4536	2,33	242	314	472
		2135	4582	2,50	246	318	480
		2290	4641	2,71	255	330	494
		2385	4677	2,83	257	333	501
		2510	4724	3,00	260	338	508
		2600	4757	3,12	263	343	516
		2710	4799	3,27	266	347	522
		2885	4865	3,50	274	355	534
		3000	4909	3,66	277	360	540

► For additional size ranges, see next page

Other door versions

Surcharge €



Frame view 110 mm instead of 70 mm (standard)

Per m

25

Construction project door OT 80

Construction project door OT 80 (door without smoke-tight properties, therefore omission of retractable bottom seal)

Price reduction

-334

Aluminium frame without face

Aluminium frame without face with stainless steel guide rollers and integrated door closer ITS 96

2370

A / RS 200 outside application



Threshold with thermal break for water tightness under heavy rain (*standard* for outside application)

-121

Top locking (only for doors from RAM height > 2150 mm, optional triple lock)

416

Already suitable for outside application with standard glazing (insulated glass)

Glazings, door fittings, additional functions

A / RS 200 – aluminium hollow profiled section door



Smoke protection

Tubular frame parts
Aluminium

B

Glazing (standard delivery glass / panel separate)

Surcharge €

Fitting of the glass or panel at the factory (observe the order information on page 56!)

Per leaf 189

For interior applications

	No.	Max. glass dimensions	Per m² €
Insulated glazing 2 × laminated safety glass 6 mm ($U_D = 3.0$) <i>standard</i>	226	1500 × 2500 mm	291
Insulated glass 2 × laminated safety glass 6 mm ($U_D = 1.1$)	288	1500 × 2500 mm	308
Insulated glass 2 × laminated safety glass 8 mm ($U_D = 1.1$)	091	2600 × 4500 mm	358
Insulated glass 2 × single-pane safety glass 8 mm ($U_D = 1.1$)	095	2500 × 5000 mm	629
Aluminium panel	517	1250 × 2500 mm	445
Aluminium glass panel (2 × aluminium sheet, insulated glass on the inside)	511	1250 × 2500 mm	730
Aluminium glass panel (2 × aluminium sheet, acoustic insulation glass on the inside)	509	1250 × 2500 mm	995

C

Fittings / additional functions

Surcharge €



- **Lever handle set D116**, oval rose escutcheon PC

Standard Aluminium 75

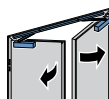
Stainless steel 130



- **Lever / knob handle set D116 with knob K117**, oval rose escutcheon PC

Aluminium 140

Stainless steel 206



- **TS 5000 ISM** with slide rail
- Fitting on opening side (hinge side)
- Opening angle 173°

Standard Silver-coloured 616

Note:

An overhead door closer is not necessary for OT80 doors

RAL to choose 760



- Mortice lock BKS 1828 including espagnolette lock (fixed leaf)

Standard



- Mortice lock BKS 1821 for change-over function B including anti-panic espagnolette lock
- Mortice lock BKS 1825 for passage function D including anti-panic espagnolette lock
- Mortice lock BKS 1827 for lever / knob function E including anti-panic espagnolette lock

Anti-panic function double-leaf 695

Anti-panic function double-leaf 534

Anti-panic function double-leaf 539



- Standard door hinge (Dr. Hahn 4), 20 mm pivot point, two-part, 3-way adjustable

⚠ Please take into consideration 2 hinges for the leaf!

EV1 *Standard*

RAL to choose Per hinge 59

Stainless steel look Per hinge 82



- Hörmann guide roller, 2-way adjustable

⚠ Please take into consideration 2 hinges for the leaf!

Stainless steel Per hinge 167

RAL to choose Per hinge 197

Smoke-tight acc. to DIN 18095 / DIN EN 1634-3

Retractable bottom seal

- For fitting on a smooth, level floor
- ⚠ Limited leak tightness of doors in outside application

Double-leaf *Standard*



Delayed retractable bottom seal

- Suitable with different pressure ratios (air locks)
- For fitting on a smooth, level floor
- ⚠ Limited leak tightness of doors in outside application

Double-leaf For A/RS 284

Double-leaf For OT80 620



Floor covering transition profile

Stainless steel flat material 38 × 1.2 mm, optional e.g. for tiles or carpeted floor

Double-leaf 69

Accessories

Glazings and infills

See from page 174

Horizontal rails / vertical rails

See page 193

Fittings

Lever handle sets, profile cylinders, locks and electric extras

See from page 180

Door closers, hold-open devices and operators

See from page 196

Security features RC 2 / RC 3 acc. to DIN EN 1627

See from page 178

Steel frames for tubular frame parts

See from page 166

A / RS 200 – aluminium hollow profiled section door

Smoke-tight door assemblies, double-leaf with thermal insulation



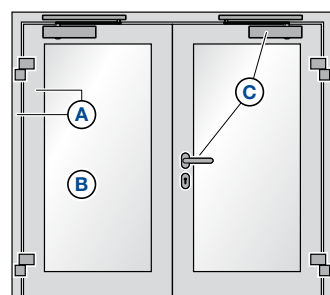
Approved as	Internal door	External door	Internal door	Internal door
	A/RS 200	A/RS 200	A/RS 200 With frame without face	A/RS 200 With steel frame
Depth [mm]	80 mm			
RAM width (min – max) [mm]	1355 – 3000	1400 × 2600	1538 × 2810	BRM 1285 × 2930
RAM height (min – max) [mm]	1740 – 3000	1740 × 2500	1710 × 2500	BRM 1705 × 2965
RAM including transom light max. [mm]			2810 × 3000	BRM 2930 × 3500
Optional additional functions				

Detailed product description

Technical description, fitting instructions, fast-track programme

A/RS 200

See page 40



Set price =

- Frame / leaf
- + Glazings
- + Fittings / additional functions

Already included in the price:

- 2 × retractable bottom seal
- 1 × mortice lock BKS 1828, incl. espagnolette lock (fixed leaf)
- 4 × 3-way adjustable door hinge Dr. Hahn 4, EV 1, 20 mm pivot point, two-part

► State opening sense on order!

* For an overview of available surface finishes, see page 54



Frame / leaf

Ordering sizes (RAM) up to width × up to height			Frame / door leaf price A/RS 200 RAL 9016, E6/EV1	m ² Glazing area	Surface coating * Surcharge		
					Preferred colour	RAL to choose	Special colour
1895	×	2010	4582	2,55	248	324	485
		2135	4630	2,73	255	330	494
		2290	4688	2,96	259	336	505
		2385	4724	3,10	260	338	508
		2510	4771	3,28	264	344	517
		2600	4805	3,41	268	350	525
		2710	4847	3,57	274	355	534
		2885	4912	3,83	278	361	541
2020	×	3000	4956	4,00	282	366	551
		2010	4630	2,77	255	330	494
		2135	4677	2,96	258	334	502
		2290	4724	3,21	262	341	511
		2385	4771	3,36	264	344	517
		2510	4819	3,56	271	352	526
		2600	4853	3,70	274	355	534
		2710	4895	3,88	278	361	541
2145	×	2885	4959	4,16	284	370	556
		3000	5004	4,34	291	379	569
		2010	4677	2,98	258	334	502
		2135	4724	3,20	262	341	511
		2290	4782	3,46	267	349	523
		2385	4819	3,63	273	354	530
		2510	4865	3,84	277	360	540
		2600	4899	3,99	280	364	546
		2710	4940	4,18	284	370	556
		2885	5007	4,48	292	380	570
		3000	5050	4,68	297	386	578

► For additional size ranges, see next page

Other door versions

Surcharge €



Frame view 110 mm instead of 70 mm (standard)

Per m

25

Construction project door OT 80

Construction project door OT 80 (door without smoke-tight properties, therefore omission of retractable bottom seal)

Price reduction

-334

Aluminium frame without face

Aluminium frame without face with stainless steel guide rollers and integrated door closer ITS 96

2370

A / RS 200 outside application



Threshold with thermal break for water tightness under heavy rain (*standard* for outside application)

-121

Top locking (only for doors from RAM height > 2150 mm, optional triple lock)

416

Already suitable for outside application with standard glazing (insulated glass)

Glazings, door fittings, additional functions

A / RS 200 – aluminium hollow profiled section door



B	Glazing (standard delivery glass / panel separate)		Surcharge €	
	Fitting of the glass or panel at the factory (observe the order information on page 56!)		Per leaf 189	
For interior applications		No.	Max. glass dimensions	Per m² €
Insulated glazing 2 × laminated safety glass 6 mm (U _D = 3.0) <i>standard</i>		226	1500 × 2500 mm	291
Insulated glass 2 × laminated safety glass 6 mm (U _D = 1.1)		288	1500 × 2500 mm	308
Insulated glass 2 × laminated safety glass 8 mm (U _D = 1.1)		091	2600 × 4500 mm	358
Insulated glass 2 × single-pane safety glass 8 mm (U _D = 1.1)		095	2500 × 5000 mm	629
Aluminium panel		517	1250 × 2500 mm	445
Aluminium glass panel (2 × aluminium sheet, insulated glass on the inside)		511	1250 × 2500 mm	730
Aluminium glass panel (2 × aluminium sheet, acoustic insulation glass on the inside)		509	1250 × 2500 mm	995

C	Fittings / additional functions		Surcharge €	
			Standard	Aluminium
	• Lever handle set D116 , oval rose escutcheon PC			93
				Stainless steel 130
	• Lever / knob handle set D116 with knob K117 , oval rose escutcheon PC			Aluminium 140
				Stainless steel 206
	• TS 5000 ISM with slide rail • Fitting on opening side (hinge side) • Opening angle 173°		Standard	Silver-coloured 616
	Note: An overhead door closer is not necessary for OT80 doors			RAL to choose 760
	• Mortice lock BKS 1828 including espagnolette lock (fixed leaf)		Standard	
	• Mortice lock BKS 1821 for change-over function B including anti-panic espagnolette lock		Anti-panic function double-leaf	695
	• Mortice lock BKS 1825 for passage function D including anti-panic espagnolette lock		Anti-panic function double-leaf	534
	• Mortice lock BKS 1827 for lever / knob function E including anti-panic espagnolette lock		Anti-panic function double-leaf	539
	• Standard door hinge (Dr. Hahn 4), 20 mm pivot point, two-part, 3-way adjustable ⚠ Please take into consideration 2 hinges for the leaf!		EV1	Standard
			RAL to choose	Per hinge 59
			Stainless steel look	Per hinge 82
	• Hörmann guide roller, 2-way adjustable ⚠ Please take into consideration 2 hinges for the leaf!		Stainless steel	Per hinge 167
			RAL to choose	Per hinge 197

Smoke-tight acc. to DIN 18095 / DIN EN 1634-3

	Retractable bottom seal			
	• For fitting on a smooth, level floor ⚠ Limited leak tightness of doors in outside application		Double-leaf	Standard
	Delayed retractable bottom seal			
	• Suitable with different pressure ratios (air locks) • For fitting on a smooth, level floor ⚠ Limited leak tightness of doors in outside application		Double-leaf For A/RS	284
			Double-leaf For OT80	620
	Floor covering transition profile			
	Stainless steel flat material 38 × 1.2 mm, optional e.g. for tiles or carpeted floor		Double-leaf	69

Accessories

Glazings and infills	See from page 174
Horizontal rails / vertical rails	See page 193
Fittings Lever handle sets, profile cylinders, locks and electric extras	See from page 180
Door closers, hold-open devices and operators	See from page 196
Security features RC 2 / RC 3 acc. to DIN EN 1627	See from page 178
Steel frames for tubular frame parts	See from page 166

A / RS 200 – aluminium hollow profiled section door

Smoke-tight door assemblies, double-leaf with thermal insulation



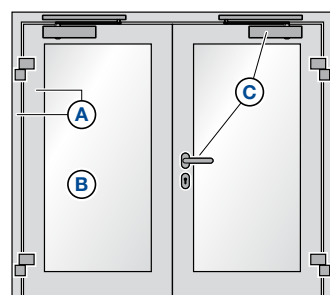
Approved as	Internal door	External door	Internal door	Internal door
	A/RS 200	A/RS 200	A/RS 200 With frame without face	A/RS 200 With steel frame
Depth [mm]	80 mm			
RAM width (min – max) [mm]	1355 – 3000	1400 × 2600	1538 × 2810	BRM 1285 × 2930
RAM height (min – max) [mm]	1740 – 3000	1740 × 2500	1710 × 2500	BRM 1705 × 2965
RAM including transom light max. [mm]			2810 × 3000	BRM 2930 × 3500
Optional additional functions				

Detailed product description

Technical description, fitting instructions, fast-track programme

A/RS 200

See page 40



Set price =

- A** Frame / leaf
- + **B** Glazings
- + **C** Fittings / additional functions

Already included in the price:

- 2 × retractable bottom seal
- 1 × mortice lock BKS 1828, incl. espagnolette lock (fixed leaf)
- 4 × 3-way adjustable door hinge Dr. Hahn 4, EV 1, 20 mm pivot point, two-part

► State opening sense on order!

* For an overview of available surface finishes, see page 54



Frame / leaf

Ordering sizes (RAM) up to width × up to height			Frame / door leaf price A/RS 200 RAL 9016, E6/EV1	m ² Glazing area	Surface coating * Surcharge		
					Preferred colour	RAL to choose	Special colour
2270	×	2010	4724	3,20	261	339	509
		2135	4771	3,43	266	347	522
		2290	4829	3,72	274	355	534
		2385	4865	3,89	277	360	540
		2510	4912	4,12	282	366	551
		2600	4947	4,29	285	371	558
		2710	4988	4,49	292	380	570
		2885	5055	4,81	297	386	578
2395	×	3000	5097	5,02	301	391	588
		2010	4771	3,42	266	347	522
		2135	4819	3,66	273	354	530
		2290	4877	3,97	278	361	541
		2385	4912	4,15	282	366	551
		2510	4959	4,40	290	377	565
		2600	4993	4,58	292	380	570
		2710	5036	4,79	297	386	578
2500	×	2885	5101	5,14	303	394	591
		3000	5145	5,36	309	402	602
		2010	4810	3,60	271	352	526
		2135	4857	3,86	276	359	538
		2290	4916	4,18	282	366	551
		2385	4953	4,38	289	376	562
		2510	5000	4,63	293	381	572
		2600	5034	4,82	297	386	578
		2710	5074	5,05	301	391	588
		2885	5141	5,41	310	403	604
		3000	5185	5,65	313	407	611

► For additional size ranges, see next page

Other door versions

Surcharge €



Frame view 110 mm instead of 70 mm (standard)

Per m

25

Construction project door OT 80

Construction project door OT 80 (door without smoke-tight properties, therefore omission of retractable bottom seal)

Price reduction

-334

Aluminium frame without face

Aluminium frame without face with stainless steel guide rollers and integrated door closer ITS 96

2370

A / RS 200 outside application



Threshold with thermal break for water tightness under heavy rain (*standard* for outside application)

-121

Top locking (only for doors from RAM height > 2150 mm, optional triple lock)

416

Already suitable for outside application with standard glazing (insulated glass)



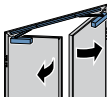




Glazings, door fittings, additional functions

A / RS 200 – aluminium hollow profiled section door



B

Glazing (standard delivery glass / panel separate)			Surcharge €
Fitting of the glass or panel at the factory (observe the order information on page 56!)			Per leaf 189
For interior applications	No.	Max. glass dimensions	Per m² €
Insulated glazing 2 × laminated safety glass 6 mm (U _D = 3.0) <i>standard</i>	226	1500 × 2500 mm	291
Insulated glass 2 × laminated safety glass 6 mm (U _D = 1.1)	288	1500 × 2500 mm	308
Insulated glass 2 × laminated safety glass 8 mm (U _D = 1.1)	091	2600 × 4500 mm	358
Insulated glass 2 × single-pane safety glass 8 mm (U _D = 1.1)	095	2500 × 5000 mm	629
Aluminium panel	517	1250 × 2500 mm	445
Aluminium glass panel (2 × aluminium sheet, insulated glass on the inside)	511	1250 × 2500 mm	730
Aluminium glass panel (2 × aluminium sheet, acoustic insulation glass on the inside)	509	1250 × 2500 mm	995

C		Fittings / additional functions	Surcharge €	
	<ul style="list-style-type: none">• Lever handle set D116, oval rose escutcheon PC	Standard	Aluminium	93
			Stainless steel	130
	<ul style="list-style-type: none">• Lever / knob handle set D116 with knob K117, oval rose escutcheon PC		Aluminium	140
			Stainless steel	206
	<ul style="list-style-type: none">• TS 5000 ISM with slide rail• Fitting on opening side (hinge side)• Opening angle 173°	Standard	Silver-coloured	616
			RAL to choose	760
Note: An overhead door closer is not necessary for OT80 doors				
	<ul style="list-style-type: none">• Mortice lock BKS 1828 including espagnolette lock (fixed leaf)			Standard
	<ul style="list-style-type: none">• Mortice lock BKS 1821 for change-over function B including anti-panic espagnolette lock		Anti-panic function double-leaf	695
	<ul style="list-style-type: none">• Mortice lock BKS 1825 for passage function D including anti-panic espagnolette lock		Anti-panic function double-leaf	534
	<ul style="list-style-type: none">• Mortice lock BKS 1827 for lever / knob function E including anti-panic espagnolette lock		Anti-panic function double-leaf	539
	<ul style="list-style-type: none">• Standard door hinge (Dr. Hahn 4), 20 mm pivot point, two-part, 3-way adjustable	EV1		Standard
		RAL to choose	Per hinge	59
	<ul style="list-style-type: none">• Hörmann guide roller, 2-way adjustable	Stainless steel look	Per hinge	82
		Stainless steel	Per hinge	167
	<ul style="list-style-type: none">• Please take into consideration 2 hinges for the leaf!	RAL to choose	Per hinge	197

Smoke-tight acc. to DIN 18095 / DIN EN 1634-3

	Retractable bottom seal • For fitting on a smooth, level floor ⚠ Limited leak tightness of doors in outside application	Double-leaf	<i>Standard</i>	
	Delayed retractable bottom seal • Suitable with different pressure ratios (air locks) • For fitting on a smooth, level floor ⚠ Limited leak tightness of doors in outside application	Double-leaf For A/RS	284	
		Double-leaf For OT80	620	
	Floor covering transition profile Stainless steel flat material 38 × 1.2 mm, optional e.g. for tiles or carpeted floor	Double-leaf	69	

Accessories

Glazings and infills	See from page 174
Horizontal rails / vertical rails	See page 193
Fittings Lever handle sets, profile cylinders, locks and electric extras	See from page 180
Door closers, hold-open devices and operators	See from page 196
Security features RC 2 / RC 3 acc. to DIN EN 1627	See from page 178
Steel frames for tubular frame parts	See from page 166

A / RS 200 – aluminium hollow profiled section door

Smoke-tight door assemblies, double-leaf with thermal insulation



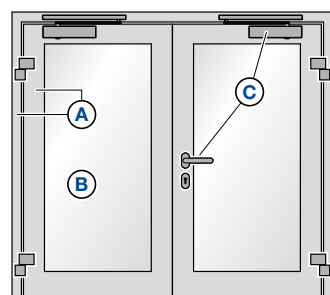
Approved as	Internal door	External door	Internal door	Internal door
	A/RS 200	A/RS 200	A/RS 200 With frame without face	A/RS 200 With steel frame
Depth [mm]	80 mm			
RAM width (min – max) [mm]	1355 – 3000	1400 × 2600	1538 × 2810	BRM 1285 × 2930
RAM height (min – max) [mm]	1740 – 3000	1740 × 2500	1710 × 2500	BRM 1705 × 2965
RAM including transom light max. [mm]			2810 × 3000	BRM 2930 × 3500
Optional additional functions				

Detailed product description

Technical description, fitting instructions, fast-track programme

A/RS 200

See page 40



Set price =

- A** Frame / leaf
- + **B** Glazings
- + **C** Fittings / additional functions

Already included in the price:

- 2 × retractable bottom seal
- 1 × mortice lock BKS 1828, incl. espagnolette lock (fixed leaf)
- 4 × 3-way adjustable door hinge Dr. Hahn 4, EV 1, 20 mm pivot point, two-part

► State opening sense on order!

* For an overview of available surface finishes, see page 54



Frame / leaf

Ordering sizes (RAM) up to width × up to height			Frame / door leaf price A/RS 200 RAL 9016, E6/EV1	m ² Glazing area	Surface coating * Surcharge		
					Preferred colour	RAL to choose	Special colour
2615	×	2010	4854	3,80	276	359	538
		2135	4901	4,07	281	365	547
		2290	4959	4,41	290	377	565
		2385	4994	4,62	292	380	570
		2510	5043	4,89	298	387	579
		2600	5076	5,09	301	391	588
		2710	5118	5,33	309	402	602
		2885	5185	5,71	314	410	615
2730	×	3000	5228	5,96	318	415	623
		2010	4898	4,00	278	361	541
		2135	4945	4,29	285	371	558
		2290	5004	4,64	293	381	572
		2385	5039	4,86	297	386	578
		2510	5087	5,15	301	391	588
		2600	5119	5,36	306	396	594
		2710	5162	5,61	313	407	611
2845	×	2885	5228	6,01	318	415	623
		3000	5271	6,28	325	421	633
		2010	4940	4,20	284	370	556
		2135	4988	4,50	292	380	570
		2290	5046	4,88	298	387	579
		2385	5082	5,11	301	391	588
		2510	5129	5,41	309	402	602
		2600	5164	5,62	313	407	611
		2710	5205	5,89	316	412	618
		2885	5271	6,31	325	421	633
		3000	5314	6,59	331	431	647

► For additional size ranges, see next page

Other door versions

Surcharge €



Frame view 110 mm instead of 70 mm (standard)

Per m

25

Construction project door OT 80

Construction project door OT 80 (door without smoke-tight properties, therefore omission of retractable bottom seal)

Price reduction

-334

Aluminium frame without face

Aluminium frame without face with stainless steel guide rollers and integrated door closer ITS 96

2370

A / RS 200 outside application



Threshold with thermal break for water tightness under heavy rain (*standard* for outside application)

-121

Top locking (only for doors from RAM height > 2150 mm, optional triple lock)

416

Already suitable for outside application with standard glazing (insulated glass)

Glazings, door fittings, additional functions

A / RS 200 – aluminium hollow profiled section door



Smoke protection

Tubular frame parts
Aluminium

B

Glazing (standard delivery glass / panel separate)

Surcharge €

Fitting of the glass or panel at the factory (observe the order information on page 56!)

Per leaf 189

For interior applications

	No.	Max. glass dimensions	Per m² €
Insulated glazing 2 x laminated safety glass 6 mm ($U_D = 3.0$) <i>standard</i>	226	1500 x 2500 mm	291
Insulated glass 2 x laminated safety glass 6 mm ($U_D = 1.1$)	288	1500 x 2500 mm	308
Insulated glass 2 x laminated safety glass 8 mm ($U_D = 1.1$)	091	2600 x 4500 mm	358
Insulated glass 2 x single-pane safety glass 8 mm ($U_D = 1.1$)	095	2500 x 5000 mm	629
Aluminium panel	517	1250 x 2500 mm	445
Aluminium glass panel (2 x aluminium sheet, insulated glass on the inside)	511	1250 x 2500 mm	730
Aluminium glass panel (2 x aluminium sheet, acoustic insulation glass on the inside)	509	1250 x 2500 mm	995

C

Fittings / additional functions

Surcharge €



- **Lever handle set D116**, oval rose escutcheon PC

Standard Aluminium 93

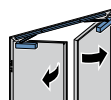
Stainless steel 130



- **Lever / knob handle set D116 with knob K117**, oval rose escutcheon PC

Aluminium 140

Stainless steel 206



- **TS 5000 ISM** with slide rail
- Fitting on opening side (hinge side)
- Opening angle 173°

Standard Silver-coloured 616

Note:

An overhead door closer is not necessary for OT80 doors

RAL to choose 760



- Mortice lock BKS 1828 including espagnolette lock (fixed leaf)

Standard



- Mortice lock BKS 1821 for change-over function B including anti-panic espagnolette lock
- Mortice lock BKS 1825 for passage function D including anti-panic espagnolette lock
- Mortice lock BKS 1827 for lever / knob function E including anti-panic espagnolette lock

Anti-panic function double-leaf 695

Anti-panic function double-leaf 534

Anti-panic function double-leaf 539



- Standard door hinge (Dr. Hahn 4), 20 mm pivot point, two-part, 3-way adjustable
- ⚠ Please take into consideration 2 hinges for the leaf!

EV1 *Standard*

RAL to choose Per hinge 59

Stainless steel look Per hinge 82



- Hörmann guide roller, 2-way adjustable
- ⚠ Please take into consideration 2 hinges for the leaf!

Stainless steel Per hinge 167

RAL to choose Per hinge 197

Smoke-tight acc. to DIN 18095 / DIN EN 1634-3

Retractable bottom seal

- For fitting on a smooth, level floor
- ⚠ Limited leak tightness of doors in outside application

Double-leaf *Standard*



Delayed retractable bottom seal

- Suitable with different pressure ratios (air locks)
- For fitting on a smooth, level floor
- ⚠ Limited leak tightness of doors in outside application

Double-leaf For A/RS 284

Double-leaf For OT80 620



Floor covering transition profile

Stainless steel flat material 38 x 1.2 mm, optional e.g. for tiles or carpeted floor

Double-leaf 69

Accessories

Glazings and infills	See from page 174
Horizontal rails / vertical rails	See page 193
Fittings Lever handle sets, profile cylinders, locks and electric extras	See from page 180
Door closers, hold-open devices and operators	See from page 196
Security features RC 2 / RC 3 acc. to DIN EN 1627	See from page 178
Steel frames for tubular frame parts	See from page 166

A / RS 200 – aluminium hollow profiled section door

Smoke-tight door assemblies, double-leaf with thermal insulation



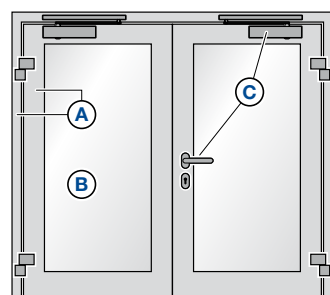
Approved as	Internal door	External door	Internal door	Internal door
	A/RS 200	A/RS 200	A/RS 200 With frame without face	A/RS 200 With steel frame
Depth [mm]	80 mm			
RAM width (min – max) [mm]	1355 – 3000	1400 × 2600	1538 × 2810	BRM 1285 × 2930
RAM height (min – max) [mm]	1740 – 3000	1740 × 2500	1710 × 2500	BRM 1705 × 2965
RAM including transom light max. [mm]			2810 × 3000	BRM 2930 × 3500
Optional additional functions	RC2	RC2	RC2	RC2

Detailed product description

Technical description, fitting instructions, fast-track programme

A/RS 200

See page 40



Set price =

- Frame / leaf
- + Glazings
- + Fittings / additional functions



Frame / leaf

Ordering sizes (RAM) up to width × up to height			Frame / door leaf price A/RS 200 RAL 9016, E6/EV1	m ² Glazing area	Surface coating * Surcharge		
					Preferred colour	RAL to choose	Special colour
3000	×	2010	5000	4,47	292	380	570
		2135	5046	4,79	297	386	578
		2290	5106	5,19	303	394	591
		2385	5141	5,43	310	403	604
		2510	5188	5,75	315	411	616
		2600	5222	5,99	317	413	620
		2710	5263	6,27	324	420	629
		2885	5329	6,72	333	434	650
		3000	5374	7,01	339	441	662

Already included in the price:

- 2 × retractable bottom seal
- 1 × mortice lock BKS 1828, incl. espagnolette lock (fixed leaf)
- 4 × 3-way adjustable door hinge Dr. Hahn 4, EV 1, 20 mm pivot point, two-part

► State opening sense on order!

* For an overview of available surface finishes, see page 54

Other door versions

Surcharge €



Frame view 110 mm instead of 70 mm (standard)

Per m **25**

Construction project door OT 80

Construction project door OT 80 (door without smoke-tight properties, therefore omission of retractable bottom seal)

Price reduction **-334**

Aluminium frame without face

Aluminium frame without face with stainless steel guide rollers and integrated door closer ITS 96

2370

A / RS 200 outside application



Threshold with thermal break for water tightness under heavy rain (*standard* for outside application)

-121

Top locking (only for doors from RAM height > 2150 mm, optional triple lock)

416

Already suitable for outside application with standard glazing (insulated glass)

Glazings, door fittings, additional functions

A / RS 200 – aluminium hollow profiled section door



B

Glazing (standard delivery glass / panel separate)

Surcharge €

Fitting of the glass or panel at the factory (observe the order information on page 56!)

Per leaf 189

For interior applications

	No.	Max. glass dimensions	Per m² €
Insulated glazing 2 x laminated safety glass 6 mm ($U_D = 3.0$) standard	226	1500 x 2500 mm	291
Insulated glass 2 x laminated safety glass 6 mm ($U_D = 1.1$)	288	1500 x 2500 mm	308
Insulated glass 2 x laminated safety glass 8 mm ($U_D = 1.1$)	091	2600 x 4500 mm	358
Insulated glass 2 x single-pane safety glass 8 mm ($U_D = 1.1$)	095	2500 x 5000 mm	629
Aluminium panel	517	1250 x 2500 mm	445
Aluminium glass panel (2 x aluminium sheet, insulated glass on the inside)	511	1250 x 2500 mm	730
Aluminium glass panel (2 x aluminium sheet, acoustic insulation glass on the inside)	509	1250 x 2500 mm	995

C

Fittings / additional functions

Surcharge €



- **Lever handle set D116**, oval rose escutcheon PC

Standard Aluminium 93

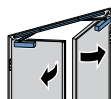
Stainless steel 130



- **Lever / knob handle set D116 with knob K117**, oval rose escutcheon PC

Aluminium 140

Stainless steel 206



- **TS 5000 ISM** with slide rail
- Fitting on opening side (hinge side)
- Opening angle 173°

Standard Silver-coloured 616

Note:

An overhead door closer is not necessary for OT80 doors

RAL to choose 760



- Mortice lock BKS 1828 including espagnolette lock (fixed leaf)

Standard



- Mortice lock BKS 1821 for change-over function B including anti-panic espagnolette lock
- Mortice lock BKS 1825 for passage function D including anti-panic espagnolette lock
- Mortice lock BKS 1827 for lever / knob function E including anti-panic espagnolette lock

Anti-panic function double-leaf 695

Anti-panic function double-leaf 534

Anti-panic function double-leaf 539



- Standard door hinge (Dr. Hahn 4), 20 mm pivot point, two-part, 3-way adjustable

⚠ Please take into consideration 2 hinges for the leaf!

EV1 Standard

RAL to choose Per hinge 59

Stainless steel look Per hinge 82



- Hörmann guide roller, 2-way adjustable

⚠ Please take into consideration 2 hinges for the leaf!

Stainless steel Per hinge 167

RAL to choose Per hinge 197

Smoke-tight acc. to DIN 18095 / DIN EN 1634-3

Retractable bottom seal

- For fitting on a smooth, level floor
- ⚠ Limited leak tightness of doors in outside application

Double-leaf Standard



Delayed retractable bottom seal

- Suitable with different pressure ratios (air locks)
- For fitting on a smooth, level floor
- ⚠ Limited leak tightness of doors in outside application

Double-leaf For A/RS 284

Double-leaf For OT80 620



Floor covering transition profile

Stainless steel flat material 38 x 1.2 mm, optional e.g. for tiles or carpeted floor

Double-leaf 69

Accessories

Glazings and infills	See from page 174
Horizontal rails / vertical rails	See page 193
Fittings Lever handle sets, profile cylinders, locks and electric extras	See from page 180
Door closers, hold-open devices and operators	See from page 196
Security features RC 2 / RC 3 acc. to DIN EN 1627	See from page 178
Steel frames for tubular frame parts	See from page 166

A / RS 300 – aluminium fixed glazing

Smoke-tight glazing with thermal insulation – for doors and walls as a transom light, side element or fixed glazing



Approved as	Interior smoke-tight glazing		Exterior smoke-tight glazing
	A/RS 300 Inside application	A/RS 300 With frame without face ¹⁾	A/RS 300 Outside application ²⁾
Depth [mm]	80 mm		
RAM width (max) [mm]	Unlimited	Single-leaf 1415, double-leaf 2810	1400 (side element), 3000 (transom light)
RAM height (max) [mm]	4960 without door, 4500 with door	1000	3100 (side element), 1580 (transom light)
Optional additional functions	RC 2 RC 3 TRAV	RC 2 RC 3	RC 2 RC 3 TRAV

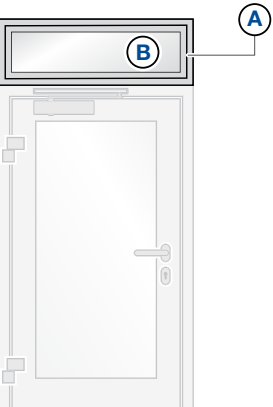
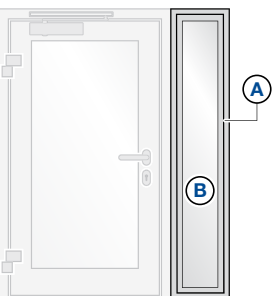

1) Only possible as transom light

2) Exclusive glazings (without door) are available up to a max. RAM of 1500 × 2500 mm (single element) or 4500 × 2500 mm (vertical / horizontal profile or coupling construction)

Detailed product description
Technical description, fitting instructions

A/RS 300

See page 42

Fixed glazing A / RS 300									
Ordering sizes (RAM) up to width × up to height			Frame price		m² Glazing area ³⁾	Surface coating ⁴⁾ Surcharge			
			A/RS 300 RAL 9016, E6/EV1			Preferred colour	RAL to choose	Special colour	
 Transom light	520	×	510	745	0,50	41	52	79	
			635	774	0,50	45	56	85	
			760	805	0,50	47	60	92	
			885	837	0,50	52	68	102	
			1040	873	0,50	58	76	114	
			1135	896	0,50	59	77	117	
			1260	926	0,50	64	83	125	
			1395	958	0,54	68	87	132	
 Side element	645	×	510	774	0,50	45	56	85	
			635	805	0,50	48	62	93	
			760	837	0,50	53	70	105	
			885	866	0,50	59	77	117	
			1040	902	0,51	64	83	125	
			1135	926	0,56	67	86	131	
			1260	956	0,63	69	88	134	
			1395	989	0,70	72	94	141	
 Fixed glazing	770	×	510	805	0,50	48	62	93	
			635	837	0,50	53	70	105	
			760	866	0,50	60	79	118	
			885	896	0,52	63	82	124	
			1040	933	0,63	68	87	132	
			1135	956	0,69	71	93	139	
			1260	987	0,77	72	94	141	
			1395	1018	0,86	76	99	149	
	895	×	510	837	0,50	51	67	100	
			635	866	0,50	58	76	114	
			760	896	0,52	64	83	125	
			885	926	0,62	68	87	132	
			1040	964	0,74	71	93	139	
			1135	987	0,82	74	97	145	
			1260	1016	0,92	76	99	149	
			1395	1050	1,03	77	101	152	
			1500	1075	1,11	80	103	156	

Set price =

A Frame

+ **B** Glazing

Set price =

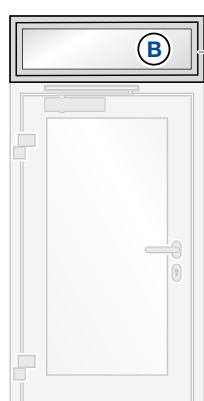
+ (A) Frame

+ (B) Glazing

3) Minimum calculation surface 0.5 m²

4) For an overview of available surface finishes, see page 54

► For additional size ranges, see next page



Transom light



Side element



Fixed glazing

A

Fixed glazing A / RS 300

Ordering sizes (RAM) up to width × up to height			Frame price A/RS 300 RAL 9016, E6/EV1	m ² Glazing area ³⁾	Surface coating ⁴⁾ Surcharge		
					Preferred colour	RAL to choose	Special colour
1020	×	510	866	0,50	56	74	110
		635	896	0,50	63	82	124
		760	926	0,60	68	87	132
		885	956	0,72	71	93	139
		1040	993	0,86	75	98	146
		1135	1016	0,95	76	99	149
		1260	1046	1,06	77	101	152
		1395	1080	1,19	81	104	157
		1500	1106	1,28	82	107	160
1145	×	510	896	0,50	60	79	118
		635	926	0,56	68	87	132
		760	956	0,69	69	88	134
		885	987	0,82	72	94	141
		1040	1024	0,98	77	101	152
		1135	1046	1,08	79	102	153
		1260	1078	1,21	81	104	157
		1395	1110	1,35	85	111	167
		1500	1136	1,46	87	114	172
1270	×	510	926	0,50	64	83	125
		635	956	0,62	69	88	134
		760	987	0,77	72	94	141
		885	1016	0,91	76	99	149
		1040	1055	1,10	80	103	156
		1135	1078	1,21	81	104	157
		1260	1108	1,35	85	111	167
		1395	1141	1,51	87	114	172
		1500	1165	1,63	93	120	180

► For additional size ranges, see next page

Set price =

- (A) Frame
 + (B) Glazing

Other door versions

Surcharge €



Frame view 110 mm instead of 70 mm (standard)

Per m **25**

Vertical / horizontal profile constructions opening outwards

✓ Doors with side element and / or transom light (glazing beads on opposite hinge side)

302

Aluminium frame without face

Aluminium frame without face for version with transom light

290

A / RS 300 in external application



Already suitable for outside application with standard glazing (insulated glass)

B

Glazing (standard delivery glass / panel separate)

Surcharge €

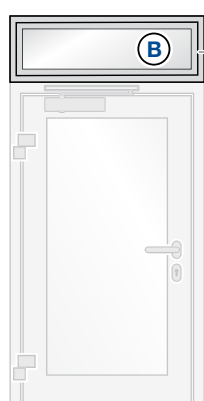
Fitting of the glass or panel at the factory (observe the order information on page 56!)

Each **189**

For interior applications	No.	Max. glass dimensions	Per m ² €
Insulated glazing 2 × laminated safety glass 6 mm (U_D = 3.0) standard	226	1500 × 2500 mm	291
Insulated glass 2 × laminated safety glass 6 mm (U _D = 1.1)	288	1500 × 2500 mm	308
Insulated glass 2 × laminated safety glass 8 mm (U _D = 1.1)	091	2600 × 4500 mm	358
Insulated glass 2 × single-pane safety glass 8 mm (U _D = 1.1)	095	2500 × 5000 mm	629
Aluminium panel	517	1250 × 2500 mm	445
Aluminium glass panel (2 × aluminium sheet, insulated glass on the inside)	511	1250 × 2500 mm	730
Aluminium glass panel (2 × aluminium sheet, acoustic insulation glass on the inside)	509	1250 × 2500 mm	995

Accessories

Optional extras	See from page 177
Horizontal rails and vertical rails, crossing points	See page 193
Special glass	See from page 174
Steel frames for version with transom light	See from page 166



Transom light



Side element



Fixed glazing

A

Fixed glazing A / RS 300

Ordering sizes (RAM) up to width × up to height			Frame price A/RS 300 RAL 9016, E6/EV1	m ² Glazing area ³⁾	Surface coating ⁴⁾ Surcharge		
					Preferred colour	RAL to choose	Special colour
1895	×	510	1078	0,73	76	99	149
		635	1108	0,96	80	103	156
		760	1138	1,18	85	111	167
		885	1167	1,40	87	114	172
		1040	1205	1,68	94	123	184
		1135	1228	1,85	98	127	191
		1260	1258	2,08	100	129	195
		1395	1291	2,32	104	135	203
2020	×	1500	1316	2,51	107	139	209
		510	1108	0,78	79	102	153
		635	1138	1,02	82	107	160
		760	1167	1,26	85	111	167
		885	1198	1,50	92	119	178
		1040	1236	1,80	97	125	187
		1135	1258	1,98	100	129	195
		1260	1289	2,22	103	134	202
2145	×	1395	1322	2,48	110	144	215
		1500	1347	2,68	114	149	224
		510	1138	0,83	80	103	156
		635	1167	1,09	83	108	162
		760	1198	1,34	87	114	172
		885	1228	1,60	94	123	184
		1040	1267	1,92	99	128	192
		1135	1289	2,11	102	133	199
		1260	1320	2,37	105	137	207
		1395	1351	2,64	114	149	224
		1500	1378	2,86	117	151	227

► For additional size ranges, see next page

Set price =

Ⓐ Frame

+ Ⓑ Glazing

Other door versions

Surcharge €



Frame view 110 mm instead of 70 mm (standard)

Per m **25**

Vertical / horizontal profile constructions opening outwards

✓ Doors with side element and / or transom light (glazing beads on opposite hinge side)

302

Aluminium frame without face

Aluminium frame without face for version with transom light

290

A / RS 300 in external application



Already suitable for outside application with standard glazing (insulated glass)

B

Glazing (standard delivery glass / panel separate)

Surcharge €

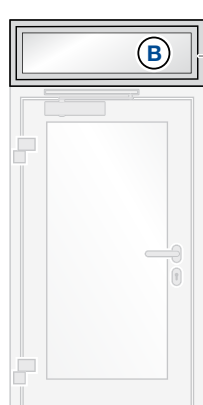
Fitting of the glass or panel at the factory (observe the order information on page 56!)

Each **189**

For interior applications	No.	Max. glass dimensions	Per m ² €
Insulated glazing 2 × laminated safety glass 6 mm (U_D = 3.0) standard	226	1500 × 2500 mm	291
Insulated glass 2 × laminated safety glass 6 mm (U _D = 1.1)	288	1500 × 2500 mm	308
Insulated glass 2 × laminated safety glass 8 mm (U _D = 1.1)	091	2600 × 4500 mm	358
Insulated glass 2 × single-pane safety glass 8 mm (U _D = 1.1)	095	2500 × 5000 mm	629
Aluminium panel	517	1250 × 2500 mm	445
Aluminium glass panel (2 × aluminium sheet, insulated glass on the inside)	511	1250 × 2500 mm	730
Aluminium glass panel (2 × aluminium sheet, acoustic insulation glass on the inside)	509	1250 × 2500 mm	995

Accessories

Optional extras	See from page 177
Horizontal rails and vertical rails, crossing points	See page 193
Special glass	See from page 174
Steel frames for version with transom light	See from page 166



Transom light



Side element



Fixed glazing

A

Fixed glazing A / RS 300

Ordering sizes (RAM) up to width × up to height			Frame price A/RS 300 RAL 9016, E6/EV1	m ² Glazing area ³⁾	Surface coating ⁴⁾ Surcharge		
					Preferred colour	RAL to choose	Special colour
2730	×	510	1279	1,07	90	118	177
		635	1309	1,40	96	124	185
		760	1340	1,73	100	129	195
		885	1370	2,06	104	135	203
		1040	1407	2,47	115	150	225
		1135	1430	2,71	118	153	230
		1260	1460	3,04	123	159	239
		1395	1493	3,40	129	169	254
		1500	1519	3,67	133	174	260
					136	178	266
2845	×	510	1306	1,12	93	120	180
		635	1336	1,46	98	127	191
		760	1368	1,80	101	132	198
		885	1398	2,15	107	139	209
		1040	1435	2,57	117	151	227
		1135	1457	2,83	121	158	238
		1260	1488	3,18	125	162	244
		1395	1521	3,55	132	172	257
		1500	1546	3,83	136	178	266
					141	184	277
3000	×	510	1345	1,18	94	123	184
		635	1375	1,54	100	129	195
		760	1405	1,91	103	134	202
		885	1435	2,27	111	145	216
		1040	1473	2,72	120	156	233
		1135	1495	2,99	124	160	241
		1260	1526	3,36	131	170	256
		1395	1558	3,75	135	176	263
		1500	1583	4,05			

Set price =

A Frame

+ **B** Glazing

Larger RAM in width and height on request.

Other door versions Surcharge €



Frame view 110 mm instead of 70 mm (standard)

Per m **25**

Vertical / horizontal profile constructions opening outwards

✓ Doors with side element and / or transom light (glazing beads on opposite hinge side)

302

Aluminium frame without face

Aluminium frame without face for version with transom light

290

A / RS 300 in external application



Already suitable for outside application with standard glazing (insulated glass)

B

Glazing (standard delivery glass / panel separate)

Surcharge €

Fitting of the glass or panel at the factory (observe the order information on page 56!)

Each **189**

For interior applications	No.	Max. glass dimensions	Per m ² €
Insulated glazing 2 × laminated safety glass 6 mm (U_D = 3.0) standard	226	1500 × 2500 mm	291
Insulated glass 2 × laminated safety glass 6 mm (U _D = 1.1)	288	1500 × 2500 mm	308
Insulated glass 2 × laminated safety glass 8 mm (U _D = 1.1)	091	2600 × 4500 mm	358
Insulated glass 2 × single-pane safety glass 8 mm (U _D = 1.1)	095	2500 × 5000 mm	629
Aluminium panel	517	1250 × 2500 mm	445
Aluminium glass panel (2 × aluminium sheet, insulated glass on the inside)	511	1250 × 2500 mm	730
Aluminium glass panel (2 × aluminium sheet, acoustic insulation glass on the inside)	509	1250 × 2500 mm	995

Accessories

Optional extras	See from page 177
Horizontal rails and vertical rails, crossing points	See page 193
Special glass	See from page 174
Steel frames for version with transom light	See from page 166

Good reasons to try Hörmann aluminium tubular frame construction project doors



Up to
55 mm
wider clear
passage width

Elegant door view without visible frame face

Frame without face

* compared to door version with fascia frame

HÖRMANN

Aluminium internal doors

Aluminium tubular frame parts

Contents



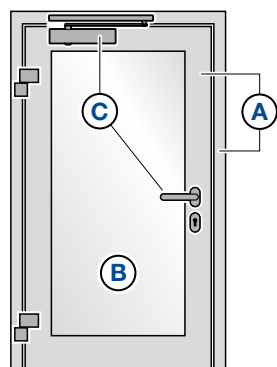
Product overview		From page
Internal doors – aluminium with extensive glazing		
ES 50	Single-leaf	150
	Double-leaf	154
	Side element / fixed glazing	160
Overhead door closers		From page 194
Fittings and optional extras		From page 180
Operators		From page 206

ES 50 – aluminium

Tubular frame internal doors without thermal insulation, single-leaf



Approved as	Internal door	Internal door
	ES 50	ES 50 With steel frame
Depth [mm]	50	50 mm
RAM width (min – max) [mm]	605 – 1500	BRM 535 – 1430
RAM height (min – max) [mm]	1740 – 3000	BRM 1705 – 2965
RAM including transom light max. [mm]		BRM 1430 – 3500
Optional additional functions		



Set price =

- Ⓐ Frame / leaf
- + Ⓑ Glazings
- + Ⓒ Fittings / additional functions

Already included in the price:

- 1 x mortice lock BKS 1828
- 2 x 3-way adjustable door hinge (Dr. Hahn 4), EV 1, 20 mm pivot point, two part

► State opening sense on order!

* For an overview of available surface finishes, see page 54



Frame / leaf

Ordering sizes (RAM) up to width × up to height			Frame / door leaf price	m ² Glazing area	Surface coating * Surcharge		
			ES 50 RAL 9016, E6/EV1		Preferred colour	RAL to choose	Special colour
1020	×	2010	1812	1,30	133	173	259
		2135	1833	1,39	136	177	265
		2290	1858	1,51	140	181	273
		2385	1873	1,58	143	186	279
		2510	1891	1,67	146	191	285
		2600	1906	1,74	149	193	290
		2710	1924	1,82	150	195	293
		2885	1952	1,95	153	199	299
		3000	1970	2,04	156	202	303
1145	×	2010	1833	1,52	139	180	272
		2135	1853	1,63	142	185	278
		2290	1878	1,76	144	187	281
		2385	1891	1,84	148	192	289
		2510	1913	1,95	150	195	293
		2600	1926	2,03	152	197	296
		2710	1943	2,13	154	201	301
		2885	1971	2,28	159	207	310
		3000	1990	2,38	163	212	318
1270	×	2010	1853	1,73	143	186	279
		2135	1873	1,86	146	191	285
		2290	1898	2,01	150	195	293
		2385	1913	2,11	152	197	296
		2510	1933	2,23	154	201	301
		2600	1945	2,32	157	203	306
		2710	1964	2,43	159	207	310
		2885	1991	2,61	164	214	323
		3000	2009	2,72	167	216	326

Door versions

Surcharge €



Frame view 110 mm instead of 70 mm (standard)

Per m

21

Glazings, door fittings, additional functions

ES 50 tubular frame internal doors without thermal insulation, single-leaf



B	Glazing (standard delivery glass / panel fitted at the factory)		Surcharge €	
	For interior applications	No.	Max. glass dimensions	Per m ² €
	Standard glazing, laminated safety glass 6 mm	033	2250 × 2333 mm	94
	Glazing, laminated safety glass 8 mm (standard from RAM height 2710 mm)	525	2600 × 4500 mm	110
	Glazing laminated safety glass 10 mm	527	2600 × 4500 mm	151
	Glazing laminated safety glass 6 mm with matt plastic film	528	2250 × 2333 mm	148
	Glazing single-pane safety glass 8 mm	524	2400 × 4500 mm	170
	Glazing single-pane safety glass 10 mm	526	2400 × 4500 mm	228
	Aluminium panel	527	1250 × 2500 mm	588
	Aluminium glass panel (2 × aluminium sheet, acoustic insulation glass on the inside)	514	1250 × 2500 mm	753

C Fittings / additional functions		Surcharge €	
	<ul style="list-style-type: none">Lever handle set D116, oval rose escutcheon PC	Standard	Aluminium 93
			Stainless steel 131
	<ul style="list-style-type: none">Lever / knob handle set D116 with knob K117, oval rose escutcheon PC		Aluminium 140
			Stainless steel 206
Optional door closers			
	<ul style="list-style-type: none">HDC 35 EN 3 – 5 with slide railFitting on opening side (hinge side)RAM width min. 605 mm, max. 1270 mm		Up to RAM width 1270 mm
			Silver-coloured 203
			RAL to choose 263
	<ul style="list-style-type: none">TS 5000 EN 2 – 6 with slide railFitting on opening side (hinge side)RAM width min. 605 mm, max. 1500 mm		From RAM width 1271 mm
			Silver-coloured 292
			RAL to choose 341
	<ul style="list-style-type: none">Mortice lock BKS 1828		Standard
	<ul style="list-style-type: none">Mortice lock BKS 1820 for change-over function B	Anti-panic function, single-leaf / half anti-panic, double-leaf	284
	<ul style="list-style-type: none">Mortice lock BKS 1824 for passage function D	Anti-panic function, single-leaf / half anti-panic, double-leaf	216
	<ul style="list-style-type: none">Mortice lock BKS 1826 for lever / knob function E	Anti-panic function, single-leaf / half anti-panic, double-leaf	137
	<ul style="list-style-type: none">Standard door hinge (Dr. Hahn 4), 20 mm pivot point, two-part, 3-way adjustable Please take into consideration 2 hinges for the leaf!	EV1	Standard
		RAL to choose	Per hinge 59
		Stainless steel look	Per hinge 82
	<ul style="list-style-type: none">Hörmann guide roller, 2-way adjustable Please take into consideration 2 hinges for the leaf!	Stainless steel	Per hinge 167
		RAL to choose	Per hinge 197
		Retractable bottom seal	
	<ul style="list-style-type: none">For fitting on a smooth, level floor		Single-leaf 167
		Delayed retractable bottom seal	
	<ul style="list-style-type: none">Suitable with different pressure ratios (air locks)For fitting on a smooth, level floor		Single-leaf 310
		Floor covering transition profile	
	<ul style="list-style-type: none">Flat stainless steel material 38 × 1.2 mm, optional e.g. for tiles or carpeted floor		Single-leaf 34



Smoke-tight version (A / RS 150)

See page 110

Accessories

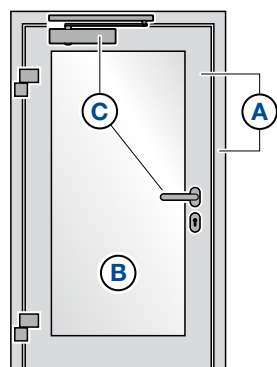
Horizontal rails and vertical rails, crossing points	See page 193
Other glasses	See from page 174
Lever handle sets	See from page 180
Fittings Profile cylinders, locks and electric extras	See from page 186
Steel frames for tubular frame parts	See from page 166

ES 50 – aluminium

Tubular frame internal doors without thermal insulation, single-leaf



Approved as	Internal door	Internal door
	ES 50	ES 50 With steel frame
Depth [mm]	50	50 mm
RAM width (min – max) [mm]	605 – 1500	BRM 535 – 1430
RAM height (min – max) [mm]	1740 – 3000	BRM 1705 – 2965
RAM including transom light max. [mm]		BRM 1430 – 3500
Optional additional functions		



Set price =

- Ⓐ Frame / leaf
- + Ⓑ Glazings
- + Ⓒ Fittings / additional functions

Already included in the price:

- 1 x mortice lock BKS 1828
- 2 x 3-way adjustable door hinge (Dr. Hahn 4), EV 1, 20 mm pivot point, two part

► State opening sense on order!

* For an overview of available surface finishes, see page 54



Frame / leaf

Ordering sizes (RAM) up to width x up to height			Frame / door leaf price	m ² Glazing area	Surface coating * Surcharge		
			ES 50 RAL 9016, E6/EV1		Preferred colour	RAL to choose	Special colour
1370	x	2010	1868	1,91	150	195	292
		2135	1888	2,05	153	199	299
		2290	1913	2,22	157	205	307
		2385	1927	2,32	159	207	310
		2510	1948	2,46	161	210	315
		2600	1961	2,56	163	212	318
		2710	1980	2,68	166	215	325
		2885	2007	2,87	173	225	337
		3000	2025	3,00	175	227	341
1500	x	2010	1889	2,13	154	201	301
		2135	1909	2,29	157	205	307
		2290	1934	2,48	161	210	315
		2385	1948	2,59	163	212	318
		2510	1969	2,75	166	215	325
		2600	1983	2,86	172	223	333
		2710	2001	2,99	174	226	338
		2885	2027	3,21	178	231	347
		3000	2046	3,35	180	235	353

Door versions

Surcharge €



Frame view 110 mm instead of 70 mm (standard)

Per m

21

Glazings, door fittings, additional functions

ES 50 tubular frame internal doors without thermal insulation, single-leaf



B

Glazing (standard delivery glass / panel fitted at the factory)



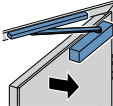











Surcharge €

For interior applications	No.	Max. glass dimensions	Per m ² €
<i>Standard</i> glazing, laminated safety glass 6 mm	033	2250 × 2333 mm	94
Glazing, laminated safety glass 8 mm (<i>standard from RAM height 2710 mm</i>)	525	2600 × 4500 mm	110
Glazing laminated safety glass 10 mm	527	2600 × 4500 mm	151
Glazing laminated safety glass 6 mm with matt plastic film	528	2250 × 2333 mm	148
Glazing single-pane safety glass 8 mm	524	2400 × 4500 mm	170
Glazing single-pane safety glass 10 mm	526	2400 × 4500 mm	228
Aluminium panel	527	1250 × 2500 mm	588
Aluminium glass panel (2 × aluminium sheet, acoustic insulation glass on the inside)	514	1250 × 2500 mm	753

C

Fittings / additional functions

Surcharge €

	<ul style="list-style-type: none">Lever handle set D116, oval rose escutcheon PC	Standard	Aluminium	93		
			Stainless steel	131		
	<ul style="list-style-type: none">Lever / knob handle set D116 with knob K117, oval rose escutcheon PC		Aluminium	140		
			Stainless steel	206		
Optional door closers						
	<ul style="list-style-type: none">HDC 35 EN 3–5 with slide railFitting on opening side (hinge side)RAM width min. 605 mm, max. 1270 mm	 Up to RAM width 1270 mm	Silver-coloured	203		
			RAL to choose	263		
	<ul style="list-style-type: none">TS 5000 EN 2–6 with slide railFitting on opening side (hinge side)RAM width min. 605 mm, max. 1500 mm	 From RAM width 1271 mm	Silver-coloured	292		
			RAL to choose	341		
	<ul style="list-style-type: none">Mortice lock BKS 1828	Standard				
	<ul style="list-style-type: none">Mortice lock BKS 1820 for change-over function B	Anti-panic function, single-leaf / half anti-panic, double-leaf		284		
	<ul style="list-style-type: none">Mortice lock BKS 1824 for passage function D	Anti-panic function, single-leaf / half anti-panic, double-leaf		216		
	<ul style="list-style-type: none">Mortice lock BKS 1826 for lever / knob function E	Anti-panic function, single-leaf / half anti-panic, double-leaf		137		
	<ul style="list-style-type: none">Standard door hinge (Dr. Hahn 4), 20 mm pivot point, two-part, 3-way adjustable  Please take into consideration 2 hinges for the leaf!	EV1	Standard			
		RAL to choose	Per hinge	59		
		Stainless steel look	Per hinge	82		
			<ul style="list-style-type: none">Hörmann guide roller, 2-way adjustable  Please take into consideration 2 hinges for the leaf!	Stainless steel	Per hinge	167
RAL to choose	Per hinge			197		
	<ul style="list-style-type: none">Retractable bottom sealFor fitting on a smooth, level floor				Single-leaf	167
	<ul style="list-style-type: none">Delayed retractable bottom sealSuitable with different pressure ratios (air locks)For fitting on a smooth, level floor		Single-leaf	310		
	<ul style="list-style-type: none">Floor covering transition profileFlat stainless steel material 38 × 1.2 mm, optional e.g. for tiles or carpeted floor		Single-leaf	34		



Smoke-tight version (A / RS 150)

See page 110

Accessories

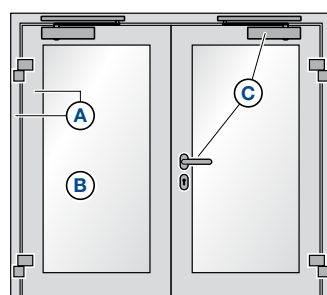
Horizontal rails and vertical rails, crossing points	See page 193
Other glasses	See from page 174
Lever handle sets	See from page 180
Fittings Profile cylinders, locks and electric extras	See from page 186
Steel frames for tubular frame parts	See from page 166

ES 50 – aluminium

Tubular frame internal doors without thermal insulation, double-leaf



Approved as	Internal door	Internal door
	ES 50	ES 50 With steel frame
Depth [mm]	50 mm	50 mm
RAM width (min – max) [mm]	1355 – 3000	BRM 1285 × 2930
RAM height (min – max) [mm]	1740 – 3000	BRM 1705 × 2965
RAM including transom light max. [mm]		BRM 2930 × 3500
Optional additional functions		



Set price =

- A** Frame / leaf
- + **B** Glazings
- + **C** Fittings / additional functions

Already included in the price:

- 1 × mortice lock BKS 1828, incl. espagnolette lock (fixed leaf)
- 4 × 3-way adjustable door hinge (Dr. Hahn 4), EV 1, 20 mm pivot point, two part

► State opening sense on order!

* For an overview of available surface finishes, see page 54



Frame / leaf

Ordering sizes (RAM) up to width × up to height			Frame / door leaf price ES 50 RAL 9016, E6/EV1	m ² Glazing area	Surface coating * Surcharge		
					Preferred colour	RAL to choose	Special colour
1500	×	2010	3181	1,86	231	301	453
		2135	3203	2,00	235	306	458
		2290	3228	2,16	241	313	470
		2385	3243	2,26	243	316	475
		2510	3264	2,40	248	324	485
		2600	3280	2,49	250	326	488
		2710	3297	2,61	256	332	498
		2885	3326	2,80	260	338	508
		3000	3346	2,92	262	341	511
					266	347	522
1645	×	2010	3205	2,11	236	308	462
		2135	3226	2,27	241	313	470
		2290	3252	2,45	248	324	485
		2385	3268	2,57	250	326	488
		2510	3288	2,72	256	332	498
		2600	3304	2,83	258	334	502
		2710	3321	2,96	261	339	509
		2885	3351	3,18	266	347	522
		3000	3370	3,32	271	352	526
					274	355	534
1770	×	2010	3226	2,33	242	314	472
		2135	3247	2,50	246	318	480
		2290	3272	2,71	255	330	494
		2385	3288	2,83	257	333	501
		2510	3310	3,00	260	338	508
		2600	3323	3,12	263	343	516
		2710	3342	3,27	266	347	522
		2885	3372	3,50	274	355	534
		3000	3391	3,66	277	360	540
					282	366	551
1895	×	2010	3247	2,55	248	324	485
		2135	3268	2,73	255	330	494
		2290	3294	2,96	259	336	505
		2385	3310	3,10	260	338	508
		2510	3331	3,28	264	344	517
		2600	3344	3,41	268	350	525
		2710	3364	3,57	274	355	534
		2885	3392	3,83	278	361	541
		3000	3412	4,00			

Door versions

Surcharge €



Frame view 110 mm instead of 70 mm (standard)

Per m

21

Glazings, door fittings, additional functions

ES 50 tubular frame internal doors without thermal insulation, double-leaf



Internal doors

Tubular frame parts
Aluminium

B

Glazing (standard delivery glass / panel fitted at the factory)

Surcharge €

For interior applications	No.	Max. glass dimensions	Per m² €
<i>Standard</i> glazing, laminated safety glass 6 mm	033	2250 × 2333 mm	94
Glazing, laminated safety glass 8 mm (<i>standard from RAM height 2710 mm</i>)	525	2600 × 4500 mm	110
Glazing laminated safety glass 10 mm	527	2600 × 4500 mm	151
Glazing laminated safety glass 6 mm with matt plastic film	528	2250 × 2333 mm	148
Glazing single-pane safety glass 8 mm	524	2400 × 4500 mm	170
Glazing single-pane safety glass 10 mm	526	2400 × 4500 mm	228
Aluminium panel	527	1250 × 2500 mm	588
Aluminium glass panel (2 × aluminium sheet, acoustic insulation glass on the inside)	514	1250 × 2500 mm	753

C

Fittings / additional functions

Surcharge €

	• Lever handle set D116 , oval rose escutcheon PC	<i>Standard</i>	Aluminium	93
			Stainless steel	131
	• Lever / knob handle set D116 with knob K117 , oval rose escutcheon PC		Aluminium	140
			Stainless steel	206
	Optional door closers <ul style="list-style-type: none"> • TS 5000 ISM with slide rail • Fitting on opening side (hinge side) • Opening angle 173° 		Silver-coloured	616
			RAL to choose	760
	• Mortice lock BKS 1828 including espagnolette lock (fixed leaf)	<i>Standard</i>		
	• Mortice lock BKS 1821 for change-over function B including anti-panic espagnolette lock	Anti-panic function double-leaf		695
	• Mortice lock BKS 1825 for passage function D including anti-panic espagnolette lock	Anti-panic function double-leaf		534
	• Mortice lock BKS 1827 for lever / knob function E including anti-panic espagnolette lock	Anti-panic function double-leaf		539
	• Standard door hinge (Dr. Hahn 4), 20 mm pivot point, two-part, 3-way adjustable ⚠ Please take into consideration 2 hinges for the leaf!	EV1	<i>Standard</i>	
		RAL to choose	Per hinge	59
		Stainless steel look	Per hinge	82
	• Hörmann guide roller, 2-way adjustable ⚠ Please take into consideration 2 hinges for the leaf!	Stainless steel	Per hinge	167
		RAL to choose	Per hinge	197
	Retractable bottom seal <ul style="list-style-type: none"> • For fitting on a smooth, level floor 		Double-leaf	334
	Delayed retractable bottom seal <ul style="list-style-type: none"> • Suitable with different pressure ratios (air locks) • For fitting on a smooth, level floor 		Double-leaf	620
	Floor covering transition profile Flat stainless steel material 38 × 1.2 mm, optional e.g. for tiles or carpeted floor		Double-leaf	69



Smoke-tight version (A / RS 250)

See page 114

Accessories

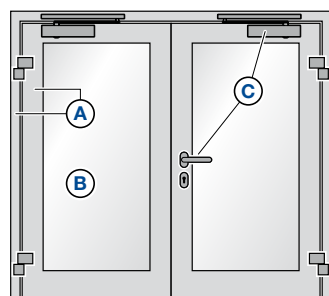
Horizontal rails and vertical rails, crossing points	See page 193
Other glasses	See from page 174
Lever handle sets	See from page 180
Fittings Profile cylinders, locks and electric extras	See from page 186
Steel frames for tubular frame parts	See from page 166

ES 50 – aluminium

Tubular frame internal doors without thermal insulation, double-leaf



Approved as	Internal door	Internal door
	ES 50	ES 50 With steel frame
Depth [mm]	50 mm	50 mm
RAM width (min – max) [mm]	1355 – 3000	BRM 1285 × 2930
RAM height (min – max) [mm]	1740 – 3000	BRM 1705 × 2965
RAM including transom light max. [mm]		BRM 2930 × 3500
Optional additional functions		



Set price =

- A** Frame / leaf
- + **B** Glazings
- + **C** Fittings / additional functions

Already included in the price:

- 1 × mortice lock BKS 1828, incl. espagnolette lock (fixed leaf)
- 4 × 3-way adjustable door hinge (Dr. Hahn 4), EV 1, 20 mm pivot point, two part

► State opening sense on order!

* For an overview of available surface finishes, see page 54



Frame / leaf

Ordering sizes (RAM) up to width × up to height			Frame / door leaf price ES 50 RAL 9016, E6/EV1	m ² Glazing area	Surface coating * Surcharge		
					Preferred colour	RAL to choose	Special colour
2020	×	2010	3268	2,77	255	330	494
		2135	3288	2,96	258	334	502
		2290	3315	3,21	262	341	511
		2385	3331	3,36	264	344	517
		2510	3351	3,56	271	352	526
		2600	3366	3,70	274	355	534
		2710	3385	3,88	278	361	541
		2885	3413	4,16	284	370	556
		3000	3432	4,34	291	379	569
2145	×	2010	3288	2,98	258	334	502
		2135	3310	3,20	262	341	511
		2290	3335	3,46	267	349	523
		2385	3351	3,63	273	354	530
		2510	3372	3,84	277	360	540
		2600	3387	3,99	280	364	546
		2710	3404	4,18	284	370	556
		2885	3433	4,48	292	380	570
		3000	3454	4,68	297	386	578
2270	×	2010	3310	3,20	261	339	509
		2135	3331	3,43	266	347	522
		2290	3356	3,72	274	355	534
		2385	3372	3,89	277	360	540
		2510	3392	4,12	282	366	551
		2600	3407	4,29	285	371	558
		2710	3425	4,49	292	380	570
		2885	3455	4,81	297	386	578
		3000	3474	5,02	301	391	588

Door versions

Surcharge €



Frame view 110 mm instead of 70 mm (standard)

Per m

21

Glazings, door fittings, additional functions

ES 50 tubular frame internal doors without thermal insulation, double-leaf



B	Glazing (standard delivery glass / panel fitted at the factory)		Surcharge €	
	For interior applications	No.	Max. glass dimensions	Per m² €
	<i>Standard</i> glazing, laminated safety glass 6 mm	033	2250 × 2333 mm	94
	Glazing, laminated safety glass 8 mm (<i>standard from RAM height 2710 mm</i>)	525	2600 × 4500 mm	110
	Glazing laminated safety glass 10 mm	527	2600 × 4500 mm	151
	Glazing laminated safety glass 6 mm with matt plastic film	528	2250 × 2333 mm	148
	Glazing single-pane safety glass 8 mm	524	2400 × 4500 mm	170
	Glazing single-pane safety glass 10 mm	526	2400 × 4500 mm	228
	Aluminium panel	527	1250 × 2500 mm	588
	Aluminium glass panel (2 × aluminium sheet, acoustic insulation glass on the inside)	514	1250 × 2500 mm	753

C	Fittings / additional functions		Surcharge €	
	• Lever handle set D116 , oval rose escutcheon PC	<i>Standard</i>	Aluminium	93
			Stainless steel	131
	• Lever / knob handle set D116 with knob K117 , oval rose escutcheon PC		Aluminium	140
			Stainless steel	206
	Optional door closers <ul style="list-style-type: none"> • TS 5000 ISM with slide rail • Fitting on opening side (hinge side) • Opening angle 173° 		Silver-coloured	616
			RAL to choose	760
	• Mortice lock BKS 1828 including espagnolette lock (fixed leaf)	<i>Standard</i>		
	• Mortice lock BKS 1821 for change-over function B including anti-panic espagnolette lock	Anti-panic function double-leaf		695
	• Mortice lock BKS 1825 for passage function D including anti-panic espagnolette lock	Anti-panic function double-leaf		534
	• Mortice lock BKS 1827 for lever / knob function E including anti-panic espagnolette lock	Anti-panic function double-leaf		539
	• Standard door hinge (Dr. Hahn 4), 20 mm pivot point, two-part, 3-way adjustable ⚠ Please take into consideration 2 hinges for the leaf!	EV1	<i>Standard</i>	
		RAL to choose	Per hinge	59
		Stainless steel look	Per hinge	82
	• Hörmann guide roller, 2-way adjustable ⚠ Please take into consideration 2 hinges for the leaf!	Stainless steel	Per hinge	167
		RAL to choose	Per hinge	197
	Retractable bottom seal <ul style="list-style-type: none"> • For fitting on a smooth, level floor 		Double-leaf	334
	Delayed retractable bottom seal <ul style="list-style-type: none"> • Suitable with different pressure ratios (air locks) • For fitting on a smooth, level floor 		Double-leaf	620
	Floor covering transition profile Flat stainless steel material 38 × 1.2 mm, optional e.g. for tiles or carpeted floor		Double-leaf	69



Smoke-tight version (A / RS 250)

See page 114

Accessories

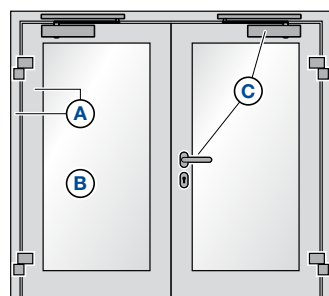
Horizontal rails and vertical rails, crossing points	See page 193
Other glasses	See from page 174
Lever handle sets	See from page 180
Fittings Profile cylinders, locks and electric extras	See from page 186
Steel frames for tubular frame parts	See from page 166

ES 50 – aluminium

Tubular frame internal doors without thermal insulation, double-leaf



Approved as	Internal door	Internal door
	ES 50	ES 50 With steel frame
Depth [mm]	50 mm	50 mm
RAM width (min – max) [mm]	1355 – 3000	BRM 1285 × 2930
RAM height (min – max) [mm]	1740 – 3000	BRM 1705 × 2965
RAM including transom light max. [mm]		BRM 2930 × 3500
Optional additional functions		



Set price =

- A** Frame / leaf
- + **B** Glazings
- + **C** Fittings / additional functions

Already included in the price:

- 1 × mortice lock BKS 1828, incl. espagnolette lock (fixed leaf)
- 4 × 3-way adjustable door hinge (Dr. Hahn 4), EV 1, 20 mm pivot point, two part

► State opening sense on order!

* For an overview of available surface finishes, see page 54



Frame / leaf

Ordering sizes (RAM) up to width × up to height			Frame / door leaf price ES 50 RAL 9016, E6/EV1	m ² Glazing area	Surface coating * Surcharge		
					Preferred colour	RAL to choose	Special colour
2395	×	2010	3331	3,42	266	347	522
		2135	3351	3,66	273	354	530
		2290	3376	3,97	278	361	541
		2385	3392	4,15	282	366	551
		2510	3413	4,40	290	377	565
		2600	3427	4,58	292	380	570
		2710	3446	4,79	297	386	578
		2885	3476	5,14	303	394	591
		3000	3495	5,36	309	402	602
2500	×	2010	3347	3,60	271	352	526
		2135	3368	3,86	276	359	538
		2290	3393	4,18	282	366	551
		2385	3410	4,38	289	376	562
		2510	3430	4,63	293	381	572
		2600	3446	4,82	297	386	578
		2710	3465	5,05	301	391	588
		2885	3494	5,41	310	403	604
		3000	3512	5,65	313	407	611
2615	×	2010	3367	3,20	276	359	538
		2135	3388	3,43	281	365	547
		2290	3413	3,72	290	377	565
		2385	3428	3,89	292	380	570
		2510	3449	4,12	298	387	579
		2600	3465	4,29	301	391	588
		2710	3482	4,49	309	402	602
		2885	3512	4,81	314	410	615
		3000	3531	5,02	318	415	623

Door versions

Surcharge €



Frame view 110 mm instead of 70 mm (standard)

Per m

21

Glazings, door fittings, additional functions

A / RS 250 – aluminium



B	Glazing (standard delivery glass / panel fitted at the factory)		Surcharge €	
	For interior applications	No.	Max. glass dimensions	Per m² €
	<i>Standard</i> glazing, laminated safety glass 6 mm	033	2250 × 2333 mm	94
	Glazing, laminated safety glass 8 mm (<i>standard from RAM height 2710 mm</i>)	525	2600 × 4500 mm	110
	Glazing laminated safety glass 10 mm	527	2600 × 4500 mm	151
	Glazing laminated safety glass 6 mm with matt plastic film	528	2250 × 2333 mm	148
	Glazing single-pane safety glass 8 mm	524	2400 × 4500 mm	170
	Glazing single-pane safety glass 10 mm	526	2400 × 4500 mm	228
	Aluminium panel	527	1250 × 2500 mm	588
	Aluminium glass panel (2 × aluminium sheet, acoustic insulation glass on the inside)	514	1250 × 2500 mm	753

C	Fittings / additional functions		Surcharge €	
	• Lever handle set D116 , oval rose escutcheon PC	<i>Standard</i>	Aluminium	93
			Stainless steel	131
	• Lever / knob handle set D116 with knob K117 , oval rose escutcheon PC		Aluminium	140
			Stainless steel	206
	Optional door closers <ul style="list-style-type: none"> • TS 5000 ISM with slide rail • Fitting on opening side (hinge side) • Opening angle 173° 		Silver-coloured	616
			RAL to choose	760
	• Mortice lock BKS 1828 including espagnolette lock (fixed leaf)	<i>Standard</i>		
	• Mortice lock BKS 1821 for change-over function B including anti-panic espagnolette lock	Anti-panic function double-leaf		695
	• Mortice lock BKS 1825 for passage function D including anti-panic espagnolette lock	Anti-panic function double-leaf		534
	• Mortice lock BKS 1827 for lever / knob function E including anti-panic espagnolette lock	Anti-panic function double-leaf		539
	• Standard door hinge (Dr. Hahn 4), 20 mm pivot point, two-part, 3-way adjustable ⚠ Please take into consideration 2 hinges for the leaf!	EV1	<i>Standard</i>	
		RAL to choose	Per hinge	59
		Stainless steel look	Per hinge	82
	• Hörmann guide roller, 2-way adjustable ⚠ Please take into consideration 2 hinges for the leaf!	Stainless steel	Per hinge	167
		RAL to choose	Per hinge	197
	Retractable bottom seal <ul style="list-style-type: none"> • For fitting on a smooth, level floor 		Double-leaf	334
	Delayed retractable bottom seal <ul style="list-style-type: none"> • Suitable with different pressure ratios (air locks) • For fitting on a smooth, level floor 		Double-leaf	620
	Floor covering transition profile Flat stainless steel material 38 × 1.2 mm, optional e.g. for tiles or carpeted floor		Double-leaf	69



Smoke-tight version (A / RS 250)

See page 114

Accessories

Horizontal rails and vertical rails, crossing points	See page 193
Other glasses	See from page 174
Lever handle sets	See from page 180
Fittings Profile cylinders, locks and electric extras	See from page 186
Steel frames for tubular frame parts	See from page 166



Internal doors

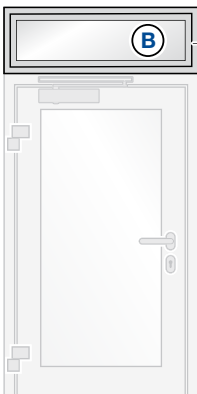

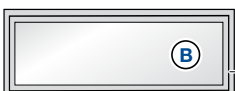
Tubular frame parts
Aluminium

ES 50 – aluminium

As transom light, side element or fixed glazing



Approved as	Internal fixed glazing
	ES 50
Depth [mm]	50
RAM width (max) [mm]	Unlimited
RAM height (max) [mm]	4500
Optional additional functions	 

Fixed glazing ES 50									
Ordering sizes (RAM) up to width × up to height			Frame price		m ² Glazing area ¹⁾	Surface coating ²⁾ Surcharge			
			ES 50 RAL 9016, E6/EV1			Preferred colour	RAL to choose	Special colour	
	Transom light	520 ×	510	621	0,50	41	52	79	
			635	637	0,50	45	56	85	
			760	653	0,50	47	60	92	
			885	668	0,50	52	68	102	
			1040	689	0,50	58	76	114	
			1135	701	0,50	59	77	117	
			1260	717	0,50	64	83	125	
			1395	735	0,54	68	87	132	
			1500	748	0,58	69	88	134	
	Side element	645 ×	510	637	0,50	45	56	85	
			635	653	0,50	48	62	93	
			760	668	0,50	53	70	105	
			885	686	0,50	59	77	117	
			1040	705	0,51	64	83	125	
			1135	717	0,56	67	86	131	
			1260	734	0,63	69	88	134	
			1395	750	0,70	72	94	141	
			1500	764	0,76	74	97	145	
	Fixed glazing	770 ×	510	653	0,50	48	62	93	
			635	668	0,50	53	70	105	
			760	686	0,50	60	79	118	
			885	701	0,52	63	82	124	
			1040	721	0,63	68	87	132	
			1135	734	0,69	71	93	139	
			1260	749	0,77	72	94	141	
			1395	767	0,86	76	99	149	
			1500	779	0,93	76	99	149	
		895 ×	510	668	0,50	51	67	100	
			635	686	0,50	58	76	114	
			760	701	0,52	64	83	125	
			885	717	0,62	68	87	132	
			1040	737	0,74	71	93	139	
			1135	749	0,82	74	97	145	
			1260	765	0,92	76	99	149	
			1395	782	1,03	77	101	152	
			1500	795	1,11	80	103	156	
		1020 ×	510	686	0,50	56	74	110	
			635	701	0,50	63	82	124	
			760	717	0,60	68	87	132	
			885	734	0,72	71	93	139	
			1040	752	0,86	75	98	146	
			1135	765	0,95	76	99	149	
			1260	781	1,06	77	101	152	
			1395	799	1,19	81	104	157	
			1500	813	1,28	82	107	160	

Set price =

A Frame

+ B Glazing

1) Minimum calculation surface 0.5 m²

2) For an overview of available surface finishes, see page 54

► For additional size ranges, see next page

Set price =

A Frame

+ **B** Glazing

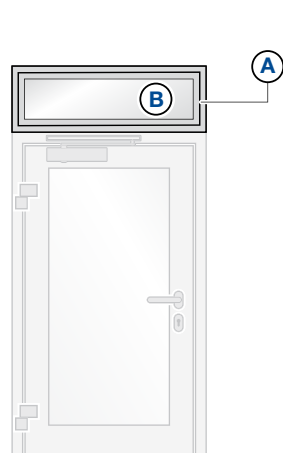
1) Minimum calculation surface 0.5 m²

2) For an overview of available surface finishes, see page 54

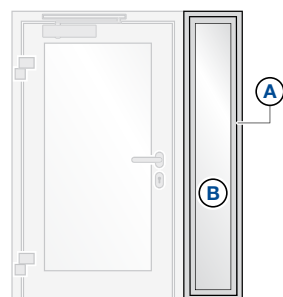
► For additional size ranges, see next page

ES 50 – aluminium

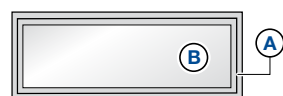
As transom light, side element or fixed glazing



Transom light



Side element



Fixed glazing

Set price =

(A) Frame

+ (B) Glazing

A

Fixed glazing ES 50

Ordering sizes (RAM) up to width × up to height	Frame price ES 50 RAL 9016, E6/EV1	m ² Glazing area ¹⁾	Surface coating ²⁾ Surcharge		
			Preferred colour	RAL to choose	Special colour
1145 × 510	701	0,50	60	79	118
	717	0,56	68	87	132
	734	0,69	69	88	134
	749	0,82	72	94	141
	769	0,98	77	101	152
	781	1,08	79	102	153
	796	1,21	81	104	157
	815	1,35	85	111	167
1270 × 510	828	1,46	87	114	172
	717	0,50	64	83	125
	734	0,62	69	88	134
	749	0,77	72	94	141
	765	0,91	76	99	149
	785	1,10	80	103	156
	796	1,21	81	104	157
	814	1,35	85	111	167
1370 × 510	830	1,51	87	114	172
	844	1,63	93	120	180
	730	0,52	68	87	132
	746	0,68	71	93	139
	763	0,83	75	98	146
	778	0,99	77	101	152
	798	1,19	81	104	157
	810	1,31	83	108	162
1270 × 635	826	1,47	87	114	172
	843	1,64	92	119	178
	746	0,68	71	93	139
	763	0,83	75	98	146
	778	0,99	77	101	152
	798	1,19	81	104	157
	810	1,31	83	108	162
	826	1,47	87	114	172
1370 × 635	856	1,77	96	124	185
	730	0,52	68	87	132
	746	0,68	71	93	139
	763	0,83	75	98	146
	778	0,99	77	101	152
	798	1,19	81	104	157
	810	1,31	83	108	162
	826	1,47	87	114	172

1) Minimum calculation surface 0.5 m²

2) For an overview of available surface finishes, see page 54

► For additional size ranges, see next page

Additional versions

Vertical / horizontal profile constructions opening outwards

✓ Doors with side element and / or transom light (glazing beads on opposite hinge side)

179



Frame view 110 mm instead of 70 mm (standard)

Per m

21

B

Glazing (standard delivery glass / panel separate)

Surcharge €

Fitting of the glass or panel at the factory (observe the order information on page 56!)

Each

189

For interior applications	No.	Max. glass dimensions	Per m ² €
Standard glazing, laminated safety glass 6 mm	033	2250 × 2333 mm	94
Glazing, laminated safety glass 8 mm (standard from RAM height 2710 mm)	525	2600 × 4500 mm	110
Glazing laminated safety glass 10 mm	527	2600 × 4500 mm	151
Glazing laminated safety glass 6 mm with matt plastic film	528	2250 × 2333 mm	148
Glazing single-pane safety glass 8 mm	524	2400 × 4500 mm	170
Glazing single-pane safety glass 10 mm	526	2400 × 4500 mm	228
Aluminium panel	527	1250 × 2500 mm	588
Aluminium glass panel (2 × aluminium sheet, acoustic insulation glass on the inside)	514	1250 × 2500 mm	753

Additional glass versions

See from page 174



Steel frames for version with transom light

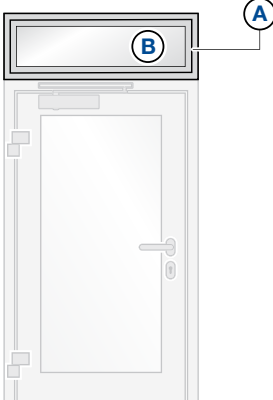
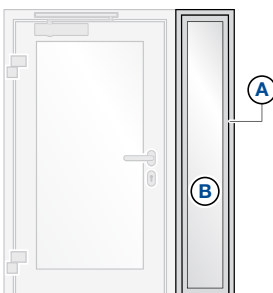
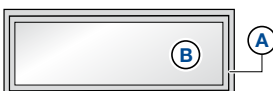
See from page 166

ES 50 – aluminium

As transom light, side element or fixed glazing



	ES 50
Depth [mm]	50
RAM width (max) [mm]	Unlimited
RAM height (max) [mm]	4500
Approved as	Internal fixed glazing
Optional additional functions	 

Fixed glazing ES 50									
Ordering sizes (RAM) up to width × up to height			Frame price ES 50 RAL 9016, E6/EV1		m ² Glazing area ¹⁾	Surface coating ²⁾ Surcharge			
						Preferred colour	RAL to choose	Special colour	
 Transom light	1500	×	510	747	0,57	69	88	134	
			635	763	0,75	74	97	145	
			760	778	0,92	76	99	149	
			885	794	1,09	80	103	156	
			1040	815	1,31	83	108	162	
			1135	827	1,44	87	114	172	
			1260	843	1,62	92	119	178	
			1395	860	1,81	96	124	185	
			1500	874	1,95	98	127	191	
 Side element	1645	×	510	765	0,63	72	94	141	
			635	781	0,82	75	98	146	
			760	796	1,02	80	103	156	
			885	814	1,21	82	107	160	
			1040	832	1,45	87	114	172	
			1135	845	1,59	92	119	178	
			1260	861	1,79	96	124	185	
			1395	878	2,00	99	128	192	
			1500	892	2,16	101	132	198	
 Fixed glazing	1770	×	510	781	0,68	75	98	146	
			635	796	0,89	79	102	153	
			760	814	1,10	82	107	160	
			885	829	1,31	86	112	170	
			1040	849	1,56	92	119	178	
			1135	861	1,72	96	124	185	
			1260	877	1,93	98	127	191	
			1395	895	2,16	101	132	198	
			1500	908	2,33	104	135	203	
Set price = A Frame + B Glazing	1895	×	510	796	0,73	76	99	149	
			635	814	0,96	80	103	156	
			760	829	1,18	85	111	167	
			885	845	1,40	87	114	172	
			1040	865	1,68	94	123	184	
			1135	877	1,85	98	127	191	
			1260	894	2,08	100	129	195	
			1395	910	2,32	104	135	203	
			1500	924	2,51	107	139	209	
► For additional size ranges, see next page	2020	×	510	814	0,78	79	102	153	
			635	829	1,02	82	107	160	
			760	845	1,26	85	111	167	
			885	861	1,50	92	119	178	
			1040	880	1,80	97	125	187	
			1135	894	1,98	100	129	195	
			1260	909	2,22	103	134	202	
			1395	928	2,48	110	144	215	
			1500	940	2,68	114	149	224	

Set price =

(A) Frame

+ (B) Glazing

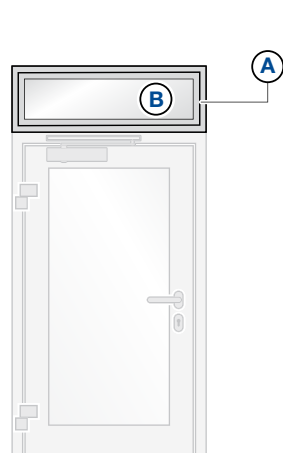
1) Minimum calculation surface 0.5 m²

2) For an overview of available surface finishes, see page 54

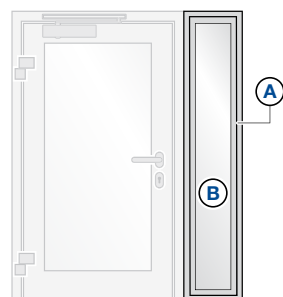
► For additional size ranges, see next page

ES 50 – aluminium

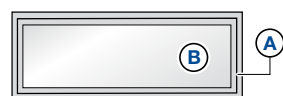
As transom light, side element or fixed glazing



Transom light



Side element



Fixed glazing

Set price =

(A) Frame

+ (B) Glazing

A

Fixed glazing ES 50

Ordering sizes (RAM) up to width × up to height			Frame price ES 50 RAL 9016, E6/EV1	m ² Glazing area ¹⁾	Surface coating ²⁾ Surcharge		
					Preferred colour	RAL to choose	Special colour
2145	×	510	829	0,83	83	108	162
		635	845	1,09	87	114	172
		760	861	1,34	94	123	184
		885	877	1,60	99	128	192
		1040	897	1,92	102	133	199
		1135	909	2,11	105	137	207
		1260	926	2,37	114	149	224
		1395	944	2,64	117	151	227
2270	×	1500	956	2,86	82	107	160
		510	845	0,88	85	111	167
		635	861	1,16	92	119	178
		760	877	1,43	97	125	187
		885	894	1,70	101	132	198
		1040	913	2,03	104	135	203
		1135	926	2,24	111	145	216
		1260	943	2,51	117	151	227
2395	×	1395	958	2,80	120	156	233
		1500	972	3,03	83	108	162
		510	861	0,94	90	118	177
		635	877	1,22	94	123	184
		760	894	1,51	99	128	192
		885	909	1,80	103	134	202
		1040	930	2,15	107	139	209
		1135	943	2,37	115	150	225
		1260	957	2,66	120	156	233
		1395	975	2,96	124	160	241
		1500	988	3,21	118	153	230

1) Minimum calculation surface 0.5 m²

2) For an overview of available surface finishes, see page 54

► For additional size ranges, see next page

Additional versions

Vertical / horizontal profile constructions opening outwards

✓ Doors with side element and / or transom light (glazing beads on opposite hinge side)

179



Frame view 110 mm instead of 70 mm (standard)

Per m

21

B

Glazing (standard delivery glass / panel separate)

Surcharge €

Fitting of the glass or panel at the factory (observe the order information on page 56!)

Each

189

For interior applications

No.	Max. glass dimensions	Per m ² €
033	2250 × 2333 mm	94
525	2600 × 4500 mm	110
527	2600 × 4500 mm	151
528	2250 × 2333 mm	148
524	2400 × 4500 mm	170
526	2400 × 4500 mm	228
527	1250 × 2500 mm	588
514	1250 × 2500 mm	753

Additional glass versions

See from page 174



Steel frames for version with transom light

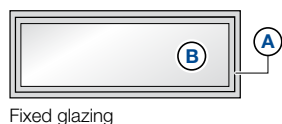
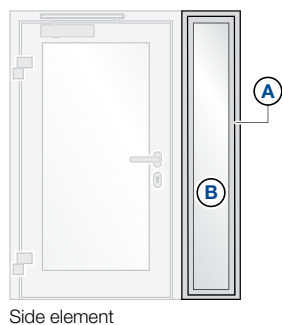
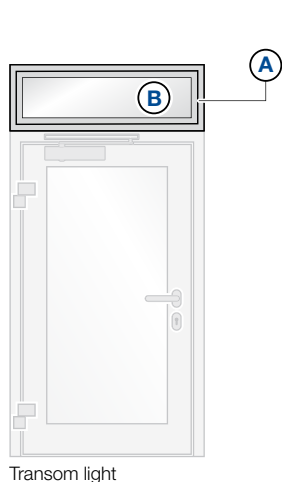
See from page 166

ES 50 – aluminium

As transom light, side element or fixed glazing



	ES 50
Depth [mm]	50
RAM width (max) [mm]	Unlimited
RAM height (max) [mm]	4500
Approved as	Internal fixed glazing
Optional additional functions	 



Set price =

- (A) Frame
+ (B) Glazing

Larger RAM in width and height on request.

- 1) Minimum calculation surface 0.5 m²
2) For an overview of available surface finishes, see page 54

A

Fixed glazing ES 50										
Ordering sizes (RAM) up to width × up to height			Frame price ES 50 RAL 9016, E6/EV1		m² Glazing area ¹⁾	Surface coating ²⁾ Surcharge				
						Preferred colour	RAL to choose	Special colour		
2500	×	510	875	0,98	85	111	167			
		635	891	1,28	92	119	178			
		760	907	1,58	97	125	187			
		885	922	1,88	101	132	198			
		1040	944	2,25	105	137	207			
		1135	955	2,48	111	145	216			
		1260	971	2,78	118	153	230			
		1395	988	3,10	123	159	239			
		1500	1002	3,35	126	163	246			
2615	×	510	890	1,03	86	112	170			
		635	905	1,34	94	123	184			
		760	921	1,65	98	127	191			
		885	936	1,97	102	133	199			
		1040	957	2,36	111	145	216			
		1135	970	2,60	115	150	225			
		1260	986	2,91	120	156	233			
		1395	1003	3,25	125	162	244			
		1500	1016	3,51	131	170	256			
2730	×	510	903	1,07	90	118	177			
		635	920	1,40	96	124	185			
		760	935	1,73	100	129	195			
		885	953	2,06	104	135	203			
		1040	972	2,47	115	150	225			
		1135	984	2,71	118	153	230			
		1260	1001	3,04	123	159	239			
		1395	1017	3,40	129	169	254			
		1500	1032	3,67	133	174	260			
2845	×	510	919	1,12	93	120	180			
		635	934	1,46	98	127	191			
		760	952	1,80	101	132	198			
		885	967	2,15	107	139	209			
		1040	987	2,57	117	151	227			
		1135	1000	2,83	121	158	238			
		1260	1015	3,18	125	162	244			
		1395	1033	3,55	132	172	257			
		1500	1045	3,83	136	178	266			
3000	×	510	938	1,18	94	123	184			
		635	955	1,54	100	129	195			
		760	971	1,91	103	134	202			
		885	987	2,27	111	145	216			
		1040	1006	2,72	120	156	233			
		1135	1018	2,99	124	160	241			
		1260	1035	3,36	131	170	256			
		1395	1052	3,75	135	176	263			
		1500	1065	4,05	141	184	277			

ES 50 – aluminium

As transom light, side element or fixed glazing



Additional versions €

Vertical / horizontal profile constructions opening outwards
 ✓ Doors with side element and / or transom light (glazing beads on opposite hinge side) 179



Frame view 110 mm instead of 70 mm (standard) Per m 21

B

Glazing (standard delivery glass / panel separate) Surcharge €

Fitting of the glass or panel at the factory (observe the order information on page 56!) Each 189

For interior applications	No.	Max. glass dimensions	Per m ² €
Standard glazing, laminated safety glass 6 mm	033	2250 × 2333 mm	94
Glazing, laminated safety glass 8 mm (<i>standard from RAM height 2710 mm</i>)	525	2600 × 4500 mm	110
Glazing laminated safety glass 10 mm	527	2600 × 4500 mm	151
Glazing laminated safety glass 6 mm with matt plastic film	528	2250 × 2333 mm	148
Glazing single-pane safety glass 8 mm	524	2400 × 4500 mm	170
Glazing single-pane safety glass 10 mm	526	2400 × 4500 mm	228
Aluminium panel	527	1250 × 2500 mm	588
Aluminium glass panel (2 × aluminium sheet, acoustic insulation glass on the inside)	514	1250 × 2500 mm	753

Additional glass versions See from page 174

Steel frames for version with transom light See from page 166

Steel corner and profile frames

For aluminium hollow profiled section doors without / with transom light,
single-leaf and double-leaf

Material

- Sheet metal, hot galvanized
- Corner frame 2.0 mm thick for brickwork
- Profile frame 2.0 mm thick for brickwork and partition walls
- Primed based on RAL 7035 for subsequent coating on-site, optionally in RAL to choose
- Version with glazing beads on hinge side (opening inwards)

Size range (nominal sizes)

A/RS 100, A/RS 150, ES 50-1:	Min. 535 × 1705 mm	Max. 1430 × 2965 mm
A/RS 200, A/RS 250 ES 50-2:	Min. 1285 × 1705 mm	Max. 2930 × 2965 mm
Doors with transom light / top part		max. 3500 mm height

Frame types

- 1-part welded in the mitred area, *Standard*
- 3-part separated in the mitred area, **59 euros**

Corner frame for brickwork



Corner frame
Prepared for
Screw fixing (unplastered brickwork)








Double-shell profile frame
for brickwork and partition
walls



Double-shell profile frame
Prepared for screw fixing

Basic prices €								
BR height up to		2278	2500		2750		3000	
BR width up to	Wall width			With transom light		With transom light		With transom light
1000 mm	Corner frame	1055	1182	1841	1309	1882	1436	1918
	145	1232	1380	1937	1528	1970	1676	2003
	205	1258	1409	1955	1560	2000	1712	2026
	270	1295	1451	2000	1606	2041	1762	2066
1250 mm	Corner frame	1066	1194	1907	1322	1940	1451	1970
	145	1247	1396	2003	1546	2044	1697	2063
	205	1265	1418	2026	1569	2066	1721	2089
	270	1317	1475	2066	1634	2114	1791	2144
1500 mm	Corner frame	1424	1595	2180	1766	2228	1937	2243
	330	1391	1558	2092	1725	2140	1891	2174
1750 mm	Corner frame	1166	1306	1996	1445	2036	1586	2059
	145	1280	1434	2081	1588	2125	1741	2147
	205	1306	1463	2107	1620	2151	1776	2166
	270	1361	1525	2155	1688	2207	1852	2214
2000 mm	Corner frame	1451	1624	2243	1798	2306	1972	2321
	330	1192	1334	2036	1478	2084	1621	2096
2250 mm	Corner frame	1295	1451	2122	1606	2169	1762	2184
	145	1321	1479	2144	1638	2192	1797	2207
	205	1380	1545	2195	1712	2243	1877	2255
	270	1469	1644	2288	1821	2343	1997	2369
2500 mm	Corner frame	1207	1352	2298	1496	2354	1641	2369
	145	1328	1488	2384	1648	2442	1806	2442
	205	1369	1534	2409	1698	2472	1862	2472
	270	1424	1595	2461	1766	2517	1937	2520
2750 mm	Corner frame	1542	1727	2542	1913	2612	2097	2616
	330	1225	1372	2328	1519	2346	1666	2413
3000 mm	Corner frame	1350	1512	2428	1674	2490	1836	2520
	145	1391	1558	2461	1725	2520	1891	2520
	205	1443	1616	2509	1789	2568	1962	2575
	270	1565	1752	2598	1939	2668	2128	2671
3250 mm	Corner frame	1240	1389	2346	1537	2365	1686	2428
	145	1373	1537	2509	1702	2542	1867	2575
	205	1413	1583	2538	1752	2605	1922	2605
	270	1461	1637	2593	1812	2656	1987	2660
3500 mm	Corner frame	1594	1785	2683	1977	2756	2167	2759
	330							



Basic prices €								
BR height up to		2278	2500		2750		3000	
								
BR width up to	Wall width			With transom light		With transom light		With transom light
2750 mm	Corner frame	1393	1560	2637	1727	2657	1895	2728
	145	1542	1727	2819	1913	2856	2097	2894
	205	1588	1779	2852	1969	2927	2160	2927
	270	1641	1838	2914	2035	2985	2232	2990
	330	1791	2005	3014	2221	3097	2436	3101
2950 mm	Corner frame	1566	1753	2963	1940	2986	2129	3065
	145	1733	1940	3167	2149	3209	2357	3251
	205	1784	1998	3205	2212	3289	2426	3289
	270	1845	2066	3275	2288	3354	2509	3358
	330	2012	2254	3387	2495	3479	2737	3485

Additional size ranges and wall widths on request

Accessories for corner and profile frames for brickwork	Surcharge €
Frame prepared for 3rd hinge	82
Prepared for KÜ 480 / each	263
Prepared for electric strike	No surcharge
Prepared for ECO dual locking	210
Prepared for single-leaf reed contact (type Link)	124
Prepared for double-leaf reed contact (type Link)	244
Prepared for single-leaf escape door opener	255
Prepared for single-leaf escape door opener in head bar	255
Prepared for double-leaf escape door opener in head bar	504
Prepared for alarm contact element	250
Frame head bar prepared for ITS 96 N20 (single-leaf)	229
Frame head bar prepared for ITS 96 GSR (double-leaf)	454
Prepared for Fuhr triple lock	141

► The required accessories from the 'Accessories and fittings' chapter must be added to the preparation prices

Note on surfaces:

For doors in preferred colour, RAL to choose or special colour, 1.5 x the price for the respective surface must be charged!

Example:

	Preferred colour	RAL to choose	Special colour
A / RS 100 (1020 x 2010 mm)	139 €	180 €	271 €
A / RS 100 with steel frame (x 1.5)	209 €	273 €	408 €

Good reasons to try Hörmann
steel and aluminium tubular frame
construction project doors



Up to
73 mm
wider clear
passage width

Maximum clear passage width

Steel profile frame

* compared to door version with fascia frame

HÖRMANN

Good reasons to try Hörmann steel loft doors



Industrial style for living areas and workspaces

**Large glazings with
high-quality steel profiles**

HÖRMANN

Good reasons to try Hörmann aluminium tubular frame construction project doors



Up to
55 mm
wider clear
passage width

Elegant door view without visible frame face

Frame without face

* compared to door version with fascia frame

HÖRMANN

Accessories and fittings

for aluminium tubular frame parts

Contents

Accessories and fittings for aluminium tubular frame parts		From page
Glass and panel infills	For fire-rated doors	172
	For smoke-tight doors	174
Acoustic values for elements with glass	For fire-rated doors	173
	For smoke-tight doors	175
Bottom seals and door bottom edges		177
Security features RC 2/ RC 3 acc. to DIN EN 1627	Without escape door function	178
	Including escape door function	179
Lever handle sets		180
Lever/ knob handle sets		181
Push bars/ touch bars according to DIN EN 1125 as well as push handles		182
Finger trap protection, door stops		183
Hinge systems	T30	184
	T60, T90	185
Locking systems	Single-point locking	186
	Multiple-point locking	187
Electric extras and lockings		188
Reed contacts, latch switching contacts, cylinders		189
Fixing material and accessories		190
Extensions, couplings and statics profiles		192
Vertical and horizontal rails, crossing points, arches, chamfers and recesses		193
Hold-open devices and accessories		194
Door closers and hold-open devices	HE 311 as well as A/RS 100, A/RS 150	194
	HE 321 as well as A/RS 200, A/RS 250	196
	HE 611 and HE 911	200
	HE 621 and HE 921	201
Operators	HDO 200/ HDO 300	206
	Dorma	210

Glass and panel infills

For aluminium fire-rated doors

F30

F60

F90

Item	Article		Glass number	Max. glass dimensions in mm	Infill thickness in mm	dB value Glass / panel	Minimum calculation surface	Per m²
Panel infills								
Surcharge per m² panel surface in €								
Fire protection panels								
1	F30	2 × aluminium sheets, interior fire-proof core	502	1200 × 2500	29	–	0.5 m²	735
2			506	1400 × 3000	34	–	0.5 m²	1068
3	F60	2 × aluminium sheets, interior fire-proof core	543	1200 × 2500	44	–	0.5 m²	1019
4	F90	2 × aluminium sheets, interior fire-proof core	541	1200 × 2500	44	–	0.5 m²	1019
Acoustic-rated panels								
5	F30	Aluminium glass panel	513	1400 × 2800	38	45	0.5 m²	2080
Insulated acoustic-rated panel for external applications								
6	F30	Aluminium glass panel (thermal insulation) U-value 1.1	523	1200 × 2500	45	40	0.5 m²	3354
	F30	Aluminium glass panel (thermal insulation) U-value 3.0	524	1200 × 2500	45	40	0.5 m²	3276
Glass infills								
Surcharge per m² glass surface in €								
Fire-proof glass								
7	F30	Standard glazing	500	1400 × 2500	17	40	0.5 m²	797
8		Structure crepi (504) on one side	704	1400 × 2500	22	40	0.5 m²	1442
9		With matt PVB plastic film	687	1400 × 2500	30	43	0.5 m²	1102
10	F60	Standard glazing	646	1400 × 2820	34	44	0.5 m²	1518
11		With matt PVB plastic film	793	1400 × 2900	27	41	0.5 m²	2507
12	F90	Standard glazing	647	1400 × 2820	40	45	0.5 m²	1963
13		With matt PVB plastic film	795	1400 × 2900	40	44	0.5 m²	4048
Insulated fire-proof glass for external applications								
14	F30	Insulated glass (standard glass in external applications), U-value 1.1	407	1300 × 2800	44	41	0.5 m²	1464
15		Insulated glass with matt PVB plastic film	555	1300 × 2800	44	41	0.5 m²	2012
RC Glass with security characteristics								
16	F30	As P4A	168	1300 × 2800	31	43	0.5 m²	1219
17		As P5A	169	1300 × 2800	31	43	0.5 m²	1250
18	F30	As P5A with acoustic insulation	170	1300 × 2800	34	45	0.5 m²	1524
19	F60	As P4A	792	1200 × 2200	37	44	0.5 m²	2124
20		As P5A	725	1200 × 2200	38	44	0.5 m²	2199
21	F90	As P4A	794	1200 × 2200	43	45	0.5 m²	2557
22		As P5A	726	1200 × 2200	44	45	0.5 m²	2628
Insulated glass with security characteristics								
23	F30	Insulated glass as P4A U-value 1.3	406	1200 × 2500	43	42	0.5 m²	1768
24		Insulated glass as P4A with matt PVB plastic film, U-value 1.0	759	1400 × 2500	45	41	0.5 m²	2293
25		Insulated glass as P5A U-value 1.2	498	1200 × 2200	46	42	0.5 m²	2293
Notice: equipment for break-in-resistant doors acc. to DIN EN 1627 (RC 2 / RC 3), see page 178								
Insulated acoustic-rated glass								
26	F30	Type 2-S (with matt plastic film)	708	1400 × 2800	40	45	0.5 m²	2199
27	F30	Vitrafire	161	1300 × 2800	31	45	0.5 m²	1307
28	F60	F1-60	796	1400 × 2820	38	45	0.5 m²	1657
Insulated acoustic-rated glass for external applications								
29	F30	Insulated acoustic-rated glass U-value 3.0	666	1400 × 2500	32	45	0.5 m²	1782
TRAV Glass as anti-fall glazing (DIN 18008)								
30	F30	Glass for TRAV application	714	1400 × 2500	31	42	0.5 m²	1260
31			753	1400 × 3300	31	42	0.5 m²	1442
32	F60	Glass for TRAV application	722	1400 × 2500	38	43	0.5 m²	1989
33			750	1400 × 3300	38	43	0.5 m²	2169
34	F90	Glass for TRAV application	716	1400 × 2500	43	–	0.5 m²	2422
35			756	1400 × 3300	43	45	0.5 m²	2604

Acoustic insulation for elements with glass

For aluminium fire-rated doors

F30

F60

F90

Acoustic insulation requirements		Required features		
Product	Acoustic value $R_{W,P}$ (test value)	Bottom edge	Acoustic value (dB value) glass / panel	
T30 / F30				
HE 311	37 dB	Retractable bottom seal	≥ 40 dB	
	38 dB		≥ 45 dB	
	42 dB *		≥ 45 dB	
HE 321	35 dB		≥ 40 dB	
	40 dB		≥ 45 dB	
	42 dB *		≥ 45 dB	
HE 311	40 dB	Threshold with thermal break	≥ 40 dB	
HE 321	37 dB		≥ 40 dB	
HE 331	37 dB	-	≥ 40 dB	
	44 dB		≥ 45 dB	
T60/F60				
HE 611	37 dB	Retractable bottom seal	≥ 41 dB	
	43 dB		≥ 45 dB	
HE 621	43 dB		≥ 45 dB	
HE 631	39 dB	-	≥ 41 dB	
	45 dB		≥ 45 dB	
T90 / F90				
HE 911	37 dB	Retractable bottom seal	≥ 44 dB	
	43 dB		≥ 45 dB	
HE 921	39 dB		≥ 44 dB	
	45 dB		≥ 45 dB	
HE 931	43 dB		-	≥ 44 dB
Bottom profile – acoustic insulation				
⚠ ! Only for use with the corresponding glass / panel ≥ 45 dB and retractable bottom seal				
Acoustic insulation – bottom profile to achieve 42 dB with HL 311 / HL 321			Per m 178	

Notice:

R_w : The acoustic insulation value R_w , also called direct acoustic insulation value, is a pure component parameter and is determined on the test bench without bypass transmission values.

The acoustic values listed in these tables are $R_{w,P}$ values (measured values).

The tolerance allowance acc. to DIN 4109 when fitted ($R_{w,R}$) must be taken into account as follows:

- For doors: $R_{w,R} = R_{w,P}$ minus 5 dB
- For fixed glazing: $R_{w,R} = R_{w,P}$ minus 2 dB
- With the $R_{w,R}$ value, flanking sound transmission through the components is taken into account.

Notice on glass and panel infills:

- Glass with PVB plastic film is suitable for use at sites exposed to UV radiation.
- The above-named surcharges (price reduction from standard fittings and add-on parts accounted for!) are only valid in combination with a door order. Prices for single delivery on request.

Glazings and panels

For smoke-tight door assemblies – aluminium

RS

Item	Glass type	Glass number	Max. glass dimensions in mm	Infill thickness in mm	U _G -value W/(m²·K)	dB value Glass / panel	Minimum calculation surface	Per m² of glass	
A / RS 100, A / RS 200, A / RS 300			Surcharge per m² panel surface in €						
Panel infills									
1	Aluminium panel	517	1250 × 2500	14		–	0.5 m²	588	
2	Aluminium glass panel, insulated glass with aluminium sheet on both sides	511	1250 × 2500	32	1,1	36	0.5 m²	730	
3	Aluminium glass panel acoustic insulation Insulated glass with aluminium sheet on both sides	509	1250 × 2500	39	1,1	47	0.5 m²	995	
Glass infills									
4	Insulated glass made of:	2 × laminated safety glass 6 mm (standard)	226	1500 × 2500	24	3,0	33	0.5 m²	291
5		2 × laminated safety glass 6 mm	288	1500 × 2500	28	1,1	36	0.5 m²	308
6		2 × laminated safety glass 8 mm	091	2600 × 4500	32	1,1	37	0.5 m²	358
7		Laminated safety glass A1 / P2A	090	1500 × 2500	31	1,1	36	0.5 m²	362
8		Laminated safety glass A3 / P4A	625	1500 × 2500	32	1,1	40	0.5 m²	420
9		P5A	727	2600 × 4500	34	1,1	40	0.5 m²	504
10		2× single-pane safety glass 8 mm	095	2500 × 5000	32	1,1	37	0.5 m²	629
11	Insulated acoustic-rated glass	Termo-Bit Silence 30 / 43	326	1500 × 2500	30	1,1	43	0.5 m²	453
12		Termo-Bit Silence 36 / 47	303	2600 × 4500	36	1,1	47	0.5 m²	574
A / RS 150, A / RS 250, A / RS 350, ES 50			Surcharge per m² panel surface in €						
Panel infills									
13	Aluminium panel	527	1250 × 2500	14		–	0.5 m²	588	
14	Aluminium glass panel acoustic insulation Insulated glass with aluminium sheet on both sides	514	1250 × 2500	44		43	0.5 m²	753	
Glass infills									
15	Laminated safety glass	6 mm (standard)	033	2250 × 2333	6		30	0.5 m²	94
16		8 mm	525	2600 × 4500	8		35	0.5 m²	110
17		10 mm	527	2600 × 4500	10		35	0.5 m²	151
18		6 mm with matt plastic film	528	2250 × 2333	6		30	0.5 m²	148
19		P2A (A1)	698	2600 × 4500	8		34	0.5 m²	141
20		P4A	064	2600 × 4500	10		34	0.5 m²	199
21		P5A	791	6000 × 3210	10		34	0.5 m²	310
22	One-way laminated plate glass	693	1400 × 2500	6		30	0.5 m²	1131	
23	Single-pane safety glass	6 mm	032	2100 × 3660	6		32	0.5 m²	127
24		8 mm	524	2400 × 4500	8		34	0.5 m²	170
25		10 mm	526	2400 × 4500	10		35	0.5 m²	228
26		Satinato 6 mm	080	1800 × 3100	6		32	0.5 m²	287
27	Pyroclear	G30 6 mm	787	1400 × 3000	6		32	0.5 m²	435
28		G30 8 mm	788	1600 × 3000	8		33	0.5 m²	500
29	Insulated glass made of:	2 × laminated safety glass 6 mm	290	1500 × 2500	24	3,0	33	0.5 m²	291
30	Insulated acoustic-rated glass	Laminated safety glass 44.1	575	2600 × 4500	8		37	0.5 m²	247
31		Laminated safety glass 1010.2	059	2250 × 3210	22		43	0.5 m²	431
Glass for anti-fall glazing according to DIN 18008									On request

Notice:

- Glass with PVB plastic film is suitable for use at sites exposed to UV radiation.
- The above-named surcharges are only valid in combination with a door order. Prices for single delivery on request.

Acoustic insulation for elements with glass

For internal doors and smoke-tight door assemblies – aluminium

RS

Acoustic insulation requirements		Required features	
Product	Acoustic value $R_{W,P}$ (test value)	Bottom edge	Acoustic value (dB value) glass / panel
Internal doors, smoke-tight doors without thermal insulation			
ES 50 A / RS 150 Single-leaf	30 dB	Retractable bottom seal	≥ 30 dB
	31 dB		≥ 35 dB
	32 dB		≥ 37 dB
	37 dB		≥ 43 dB
ES 50 A / RS 250 Double-leaf	30 dB	Retractable bottom seal	≥ 30 dB
	33 dB		≥ 35 dB
	34 dB		≥ 37 dB
	38 dB		≥ 43 dB
ES 50 A / RS 350 Fixed glazing, top part, side element	32 dB	-	≥ 30 dB
	34 dB		≥ 35 dB
	37 dB		≥ 37 dB
	42 dB		≥ 43 dB
Internal doors, smoke-tight doors with thermal insulation			
A / RS 100 Single-leaf	33 dB	Retractable bottom seal	≥ 35 dB
	37 dB		≥ 40 dB
	38 dB		≥ 46 dB
A / RS 200 Double-leaf	33 dB	Retractable bottom seal	≥ 35 dB
	35 dB		≥ 40 dB
	40 dB		≥ 46 dB
A / RS 300 Fixed glazing, top part, side element	34 dB	-	≥ 35 dB
	37 dB		≥ 39 dB
	45 dB		≥ 46 dB

Notice:

R_w : The acoustic insulation value R_w , also called direct acoustic insulation value, is a pure component parameter and is determined on the test bench without bypass transmission values.

The acoustic values listed in these tables are $R_{w,P}$ values (measured values).

The tolerance allowance acc. to DIN 4109 when fitted ($R_{w,R}$) must be taken into account as follows:

- For doors: $R_{w,R} = R_{w,P}$ minus 5 dB
- For fixed glazing: $R_{w,R} = R_{w,P}$ minus 2 dB
- With the $R_{w,R}$ value, flanking sound transmission through the components is taken into account.

Good reasons to try Hörmann
steel and aluminium tubular frame
construction project doors



Up to
73 mm
wider clear
passage width

Maximum clear passage width

Steel profile frame

* compared to door version with fascia frame

HÖRMANN

Bottom seals / door bottom edges

For aluminium fire-rated doors and smoke-tight door assemblies

T30

T60

T90

RS

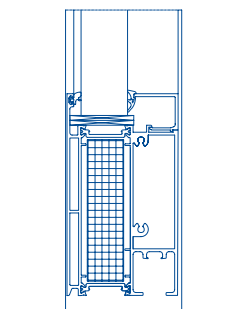
Notices:

- Fast-track programme
- Standard programme

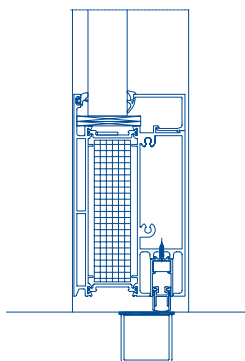
The named surcharges (price reduction from standard fittings and add-on parts accounted for!) are only valid in combination with a door order. Prices for single delivery on request.

Bottom seals / door bottom edges				Surcharge €							
RS For smoke-tight version acc. to DIN 18095 / DIN EN 1634-3, optional acoustic insulation acc. DIN EN ISO 717											
1	Retractable bottom seal • For fitting on a smooth, level floor	Single-leaf			167	●	○	●	●		
		Double-leaf			334	●	○	●	●		
	Delayed retractable bottom seal • For fitting on a smooth, level floor • Suitable with different pressure ratios (loading houses)	Single-leaf			310	●	●	-	-		
					143	-	-	●	●		
		Double-leaf			620	●	●	-	-		
					284	-	-	●	●		
	Floor covering transition profile flat stainless steel material • (e.g. for fitting on tiles or carpeted floor)	Single-leaf	38 × 1.2 mm		34	●	○	●	●		
		Double-leaf			69						
	Floor covering transition profile flat aluminium material • As substructure for stainless steel flat material	Single-leaf	35 × 3 mm		47	●	○	●	●		
		Double-leaf			92	●	○	●	●		
2	Threshold, with thermal break (for water tightness under heavy rain of external doors)	Single-leaf			107	○	○	-	-		
					-60	-	-	-	○		
		Double-leaf			213	○	○	-	-		
				-121	-	-	-	○			
	Bottom spacer profile, 80 mm wide • ⚠ Construction of max. 200 mm possible!	Per m	Profile height 25 mm			108	○	○	-	○	
			Profile height 50 mm			118	○	○	-	○	
			Profile height 100 mm			140	○	○	-	○	
Stainless steel cover strip, 80 × 1.2 mm, for bottom spacer profile			Per m			49	○	○	-	○	

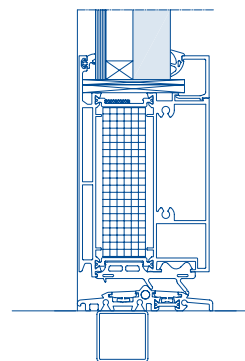
Prepared for retractable bottom seal
(as standard for fire protection)



Retractable bottom seal
(for smoke protection)



Threshold with thermal break (for water-tightness
under heavy rain on external doors)



Security features RC 2 / RC 3 acc. to DIN EN 1627

For aluminium fire-rated doors and smoke-tight door assemblies

T30

T60

T90

RS

Notices:

Security features RC 2 / RC 3 not available for non-insulated smoke-tight doors!

For fixed glazings, transom lights and side elements, only the price for the respective break-in-resistant glass per m² must be calculated.

The named surcharges (price reduction from standard fittings and add-on parts accounted for!) are only valid in combination with a door order. Prices for single delivery on request.

For the maximum door set dimensions, rails may be required (max. glass dimensions see page 176 et seq.).

⚠ All prices without lever handle, lever / knob handle set!

Break-in resistance equipment =

Ⓐ Security features and glass + Ⓑ Locks

		T30, A / RS x00	T60 / T90	T30, A/RS x00 With frame without face	T30, A/RS x00 With steel frame
Aluminium	Size range RC 2				
	Single-leaf doors max.	1500 × 3000 mm	1500 × 2800 mm	1415 × 2500 mm	1430 × 2965 mm
	Double-leaf doors max.	3000 × 3000 mm	3000 × 2800 mm	2810 × 2500 mm	2930 × 2965 mm
	Size range RC 3				
	Single-leaf doors max.	1500 × 2500 mm	1500 × 2500 mm	1415 × 2500 mm	1430 × 2500 mm

Ⓐ	RC 2	Security features without escape door function	Surcharges	T30	T60	T90	RS
1		Standard equipment RC 2	Per door	88			
2		Plus RC 2 glass (P4A)	Per m ²	1394	2124	2557	–
2.1		Plus RC 2 insulated glass (P4A for external applications)		1768	–	–	420
	RC 3	Security features without escape door function	Surcharges	T30	T60	T90	RS
3		Standard equipment RC 3 ¹⁾	Per door	114			
4		Plus RC 3 glass (P5A) and fire-proof material	Per m ²	1572	2342	2770	–
5		Plus RC 3 insulated glass (P5A) including material for glass rebate		2436	–	–	610

Ⓑ	Locks – multiple-point locking ²⁾						
	RC 2	RC 3	Break-in resistance equipment RC 2 and RC 3 (no escape door function)				
	Single- and double-leaf doors						Surcharge €
6	Multiple-point lock GU Secury type DR (3-point, mechanical locking) ✓ For single-leaf and double-leaf doors						578
7	Multiple-point lock GU Secury A4 (S5) Automatic (5-point, mechanically self-locking) ✓ For single-leaf and double-leaf doors						930

1) At least three-part hinges or roller hinges must be taken into account for doors opening outwards.

2) Locks with automatic multiple-point locking may not be combined with electric strikes.

Security features RC 2 / RC 3 acc. to DIN EN 1627 including escape door function

For aluminium fire-rated doors and smoke-tight door assemblies

T30

T60

T90

RS







Break-in resistance equipment =

(A) Security features and glass + (B) Locks + (C) Break-in resistant fittings

	T30, A/RS x00	T60/T90	T30, A/RS x00 With frame without face	T30, A/RS x00 With steel frame
Size range RC 2 and escape door function acc. to DIN EN 179/1125				
Aluminium				
Single-leaf doors max.	1500 × 2500 mm	1500 × 2500 mm	–	–
Double-leaf doors max.	3000 × 2500 mm	3000 × 2500 mm	–	–

A	RC 2	Security features including escape door function	Surcharges	T30	T60	T90	RS
⚠ Doors with side element and / or rails only on request!							
1		Standard equipment RC 2 anti-panic	Per door	114			
2		Plus RC 2 glass (P4A) and fire-proof material		1537	2266	2700	–
2.1		Plus RC 2 insulated glass with fire-proof material (P4A for external applications)	Per m²	1910	–	–	–
2.2		Plus RC 2 glass (P6B) including material for glass rebate		–	–	–	1123

B	RC 2	Escape doors according to DIN EN 179 / DIN EN 1125 and in combination with break-in resistance equipment RC 2	Surcharge €
Single-leaf Doors			
3		BKS lock Security 1910, change-over function B for lever handle sets, mechanically self-locking ⚠ For doors opening outwards (glazing bead on opposite hinge side) only possible from 1050 mm RAM width	1094
4		BKS lock Security 1916 with lever / knob function E for lever / knob handle sets, mechanically self-locking ⚠ For doors opening outwards (glazing bead on opposite hinge side) only possible from 1050 mm RAM width	908
Double-leaf doors			
Half anti-panic			
5		BKS lock Security 1910, change-over function B for lever handle sets, mechanically self-locking ⚠ For doors opening outwards (glazing bead on opposite hinge side) only possible from 2200 mm RAM width	1094
6		BKS lock Security 1916 with lever / knob function E for lever / knob handle sets, mechanically self-locking ⚠ For doors opening outwards (glazing bead on opposite hinge side) only possible from 2200 mm RAM width	908
Anti-panic function			
7		BKS lock Security 1911, change-over function B for lever handle sets, mechanically self-locking ⚠ For doors opening outwards (glazing bead on opposite hinge side) only possible from 2200 mm RAM width	1903
8		BKS lock Security 1919 with lever / knob function E for lever / knob handle sets, mechanically self-locking ⚠ For doors opening outwards (glazing bead on opposite hinge side) only possible from 2200 mm RAM width	1736
1) Locks with automatic multiple-point locking may not be combined with electric strikes, optionally select A opener			

C	Break-in resistant fittings	Surcharge €
Break-in-resistant lever handle / lever / knob handle sets for RC 2 in combination with escape doors acc. to DIN EN 179		
9	 Fire-rated lever handle set type Premium 8830 A FS, including PC rose escutcheon	Stainless steel 406
10	 Fire-rated lever handle set type Premium 8999 A FS, including PC rose escutcheon	Aluminium 292 Stainless steel 406
11	 Fire-rated lever / knob handle set type Premium 8830 A FS with knob 3548 VO, including PC rose escutcheon	Stainless steel 358
12	 Fire-rated lever / knob handle set type Premium 8999 A FS with knob 3548 VO, including PC rose escutcheon	Aluminium 278 Stainless steel 358
Push bars, suitable for break-in resistance equipment RC 2 in combination with escape doors acc. to DIN EN 1125		
13	 Push bar type B-7401 (without counter lever / knob) ▶ Anti-panic lock required, not possible in conjunction with SVP locks, can be combined with lever handle, knob or push handle	Aluminium 474 Stainless steel 685
14	 Touch bar B-7441 (without counter lever / knob) ▶ Not possible in conjunction with SVP locks, can be combined with lever handle, knob or push handle	Aluminium 755 Stainless steel 1175

Lever handle sets

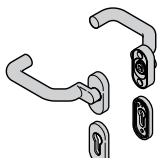

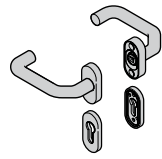

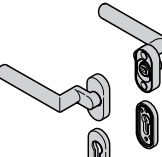
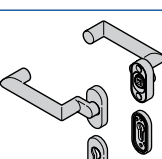

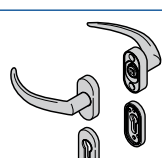

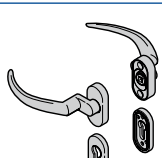



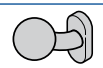



For aluminium fire-rated doors and smoke-tight door assemblies

T30

T60

T90

RS

Lever handle sets (including PC oval rose escutcheons)					Surcharge €		T30	T60 / T90	RS / ES 50	RS insulated
					Economy	FSB – design				
1		Type D115 / type 1070 	Aluminium	Type D 115	Type 1070					
			Stainless steel	179	394	●	○	●	●	
				211	604	●	○	●	●	
2		Type D116 	Aluminium	Type D 116						
			Stainless steel	93	–	●	○	●	●	
				131	–	●	○	●	●	
3		Type D315 / type 1076 ⚠ Not suitable for escape doors acc. to DIN EN 179	Aluminium	Type D 315	Type 1076					
			Stainless steel	160	369	○	○	○	○	
				192	598	○	○	○	○	
4		Type D335 / type 1016 	Aluminium	Type D 335	Type 1016					
			Stainless steel	187	423	●	○	●	●	
				219	691	●	○	●	●	
5		Type D410 	Aluminium	Type D 410						
			Stainless steel	113	–	○	○	○	○	
				145	–	○	○	○	○	
6		Type D415 / type 1053 	Aluminium	Type D 415	Type 1023 / 1053					
			Stainless steel	160	395	●	○	●	●	
				198	691	●	○	●	●	
Individual lever handle / knob suitable for escape doors acc. to DIN EN 179										
7		Type D116 single handle, e.g. for fixed leaves of double-leaf doors with anti-panic function acc. to DIN EN 179		Aluminium						45
				Stainless steel						77
8		Type K160 knob		Aluminium						118
				Stainless steel						161
9		Type K117 knob		Aluminium						118
				Stainless steel						161

Further lever handle sets

Lever handle sets HEWI, DORMA, Vieler, etc.

On request

Notice:

Lever handle and lever / knob handle sets are included separately

- Fast-track programme
- Standard programme



Lever handles labelled with this symbol are suited both for escape doors acc. to DIN EN 179 as well as doors without escape door function. Please state desired function on order!

Lever / knob handle sets

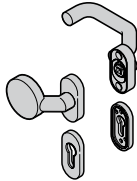

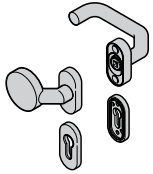

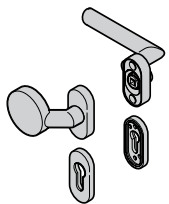

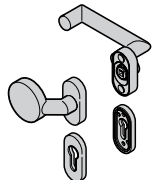

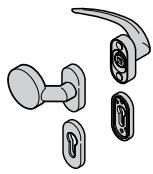

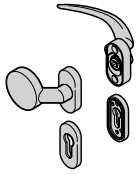

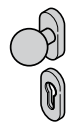
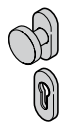
For aluminium fire-rated doors and smoke-tight door assemblies

T30

T60

T90

RS

Lever / knob handle sets (lever / knob handle set with button, including PC oval rose escutcheons)						Surcharge €		T30	T60 / T90	RS / ES 50	RS insulated
						Economy	FSB – design				
1		Type D115 / knob K117 Type 1070 / knob 0846		Aluminium	Type D 115	Type 1070					
				Stainless steel	190	359	●	○	●	●	
					246	557	●	○	●	●	
2		Type D116 / knob K117		Aluminium	Type D 116						
				Stainless steel	140	–	●	○	●	●	
					206	–	●	○	●	●	
3		Type D315 / knob K117 Type 1076 / knob 0846 ⚠ Not suitable for escape doors acc. to DIN EN 179		Aluminium	Type D 315	Type 1076					
				Stainless steel	181	358	○	○	○	○	
					235	565	○	○	○	○	
4		Type D335 / knob K117 Type 1016 / knob 0846		Aluminium	Type D 335	Type 1016					
				Stainless steel	196	372	●	○	●	●	
					249	600	●	○	●	●	
5		Type D410 / knob K117		Aluminium	Type D 410						
				Stainless steel	158	–	○	○	○	○	
					211	–	○	○	○	○	
6		Type D415 / knob K117 Type 1053 / knob 0846		Aluminium	Type D 415	Type 1023 / 1053					
				Stainless steel	181	360	●	○	●	●	
					239	600	●	○	●	●	
						€					
7				Aluminium	FSB – design						
				Stainless steel	No surcharge						
				Knob 0802 Knob 0829							



Lever handles labelled with this symbol are suited both for escape doors acc. to DIN EN 179 as well as doors without escape door function. Please state desired function on order!

Push bars / touch bars according to DIN EN 1125 as well as push handles


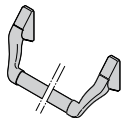
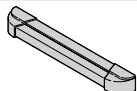


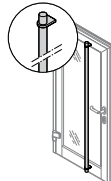
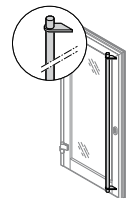
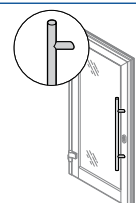
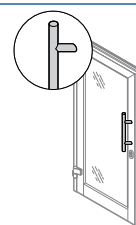
T30

T60

T90

RS

For aluminium fire-rated doors and smoke-tight door assemblies

Push bars, suitable for escape doors acc. to DIN EN 1125					Surcharge €	T30	T60 / T90	RS / ES 50	RS insulated
1		Push bar type B-7401 (without counter lever / knob) ► Anti-panic lock required ► Not possible in combination with SVP locks ► Can be combined with lever handle, knob or push handle	Aluminium	474	●	○	●	●	
			Stainless steel	685	●	○	●	●	
2		Touch bar B-7441 (without counter lever / knob) ► Not possible in combination with SVP locks ► Can be combined with lever handle, knob or push handle	Aluminium	755	○	○	○	○	
			Stainless steel	1175	○	○	○	○	
//NEW Hörmann escape door monitor									
3		Hörmann escape door monitor, prepared for profile cylinder, battery-operated, including profile half cylinder, lever handle version, silver grey RAL 7001 with Hörmann label	1068	●	○	●	●		
//NEW Escape door monitor push bar									
4		Hörmann escape door monitor, prepared for profile cylinder, battery-operated, including profile half cylinder, push bar version, silver grey RAL 7001 with Hörmann label	1035	●	○	●	●		
Stainless steel push handles						Surcharge €			
Item	Image	Article							
5		G 810, stainless steel push bar with straight support brackets, for vertical fitting. • Height ≤ 2600 mm with 2 support brackets ► Not possible in combination with operators!	Up to 2600 mm	639	○	–	○	○	
6		G 75-2, stainless steel push bar with angled support brackets, for vertical fitting • Height ≤ 2600 mm with 2 support brackets • Height 2601 – 3000 mm with 3 support brackets	Up to 2600 mm	690	○	–	○	○	
			Up to 3000 mm	796	○	–	○	○	
7		G 38-2, stainless steel handle with 2 angled support brackets, for vertical fitting.	Length 600 mm	203	○	–	○	○	
8		G 14-2, stainless steel handle with 2 angled support brackets, for vertical fitting.	Length 210 mm	203	○	–	○	○	
Additional push handles / push bars									
On request									

Operators for fire-rated doors

See from page 206

- Fast-track programme
- Standard programme

Finger trap protection, door stops

For aluminium fire-rated doors and smoke-tight door assemblies

T30

T60

T90

RS

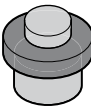
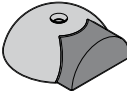
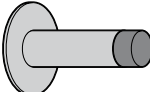
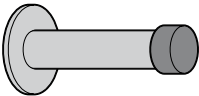
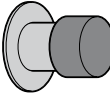
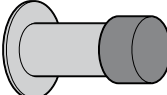

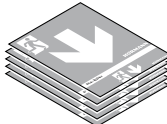
Finger trap protection for doors without operator					€
Finger trap protection on one side, for inside use					No. 25
1	Finger trap protection, anodised silver, cloth in black				423
2	Finger trap protection RAL 9016, RAL 7016 or anodised stainless steel, cloth in black	Standard length 1925 mm	Each		470
3	Finger trap protection, RAL to choose, cloth in black				527
4	Finger trap protection, anodised silver, cloth in black				298
5	Finger trap protection RAL 9016, RAL 7016 or anodised stainless steel, cloth in black		Per metre		328
6	Finger trap protection, RAL to choose, cloth in black				386
Finger trap protection, on one side, for version with guide roller, for hinge side only					No. BO-23
7	Finger trap protection, two-part, anodised silver	Standard length 1950 mm	Each		274
8	Finger trap protection, 2-part, RAL 9016	(to cut to size)			307
9	Finger trap protection, anodised silver		Per metre		189
10	Finger trap protection RAL 9016				211
Finger trap protection, on one side, for doors with outside application					No. 26
11	Finger trap protection, anodised silver, cloth in Anthracite				545
12	Finger trap protection, RAL 9016, RAL 7016 or anodised stainless steel, cloth in Anthracite	Standard length 1925 mm	Each		599
13	Finger trap protection, RAL to choose, cloth in Anthracite				657
14	Finger trap protection, anodised silver, cloth in Anthracite				380
15	Finger trap protection RAL 9016, RAL 7016 or anodised stainless steel, cloth in Anthracite		Per metre		416
16	Finger trap protection, RAL to choose, cloth in Anthracite				474

Finger trap protection for automatic doors acc. to EN 16005

See page 212

Operators for fire-rated doors

See from page 206

	Type	Dimensions			€	
Door stops for floor fitting						
	Aluminium	FSB 38 3881	Ø 45 mm / height 34 mm	Each	33	
	Stainless steel			Each	53	
	Stainless steel	BS 65	Ø 65 mm / height 22 mm	Each	31	
Door stops for wall fitting						
	Stainless steel	WS 82	Ø 19 mm / 50 mm	Length 82 mm	Each	36
	Stainless steel	WS 96	Ø 24 mm / 45 mm	Length 96 mm	Each	36
	Stainless steel	WS 46 *	Ø 33 mm / 49 mm	Height 46 mm	Each	31
	Stainless steel	WS 76 *	Ø 33 mm / 49 mm	Height 76 mm	Each	35
Accessories						
	Door label set "Push / Pull"			Set with 5 pairs of stickers	12,50	
	Escape route sticker set Each sticker contains two separate adhesive areas for door leaf and push bar / touch bar			Set with 5 stickers	14,70	

Hinge systems

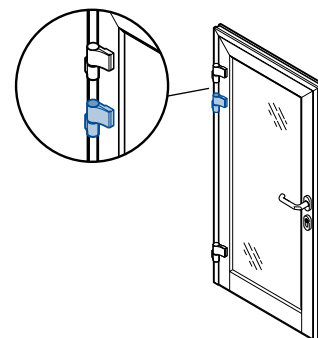
For aluminium fire-rated doors and smoke-tight door assemblies



T30

HE 3 x 1, A / RS x00, A / RS x50, ES 50:

Standard version (included in the price)
With two 3-way adjustable hinges. Surface finish EV 1, 2-part version, pivot point 20 mm.



Notices:

Optional 3rd hinge at a surcharge.

Three hinges (top hinge pair) must be taken into account when using operators!

T30

RS

Surcharges per hinge €

EV1

RAL colours
Special colours

Stainless steel look

3-way adjustable hinge

Standard hinge, 2-part



Standard

59

82

Standard hinge, 2-part, as an additional 3rd hinge

85

145

167

3-part hinge, optional



80

139

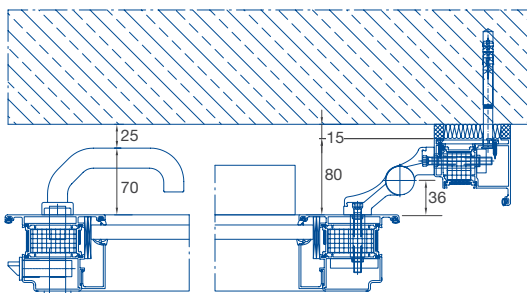
161

3-part hinge, optional, as additional 3rd hinge

164

225

247



Surcharge for 3-way adjustable hinge with 36 mm pivot point for 90° opening in the passage area

per hinge

19

Notice:

For hinges with a 36 mm pivot point, a 90° opening in the passage area is provided.

Surcharges per hinge €

Stainless steel

RAL colours
Special colours

Hörmann guide roller HRB *

Hörmann guide roller HRB, pivot point 17 mm



167

197

Hörmann guide roller HRB, pivot point 17 mm, as additional 3rd hinge

254

282



Hörmann guide roller HRB for doors with steel frame
X 3rd hinge not possible



223

-

* For vertical/horizontal profile constructions opening outwards (glazing beads on the opposite hinge side), a surcharge of €60 per guide roller should be taken into account!

Hinge systems

For aluminium fire-rated doors

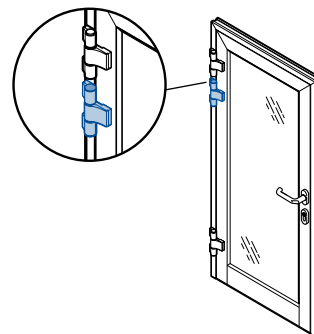
T60

T90

HE 6 × 1, HE 9 × 1:

Standard version (included in the price)

With 3 door hinges (Dr. Hahn), three-way adjustable. Surface finish EV 1, 3-part version, pivot point 20 mm.



T60

T90

Surcharges per hinge €

EV1

RAL colours
Special colours

Stainless steel look

3-way adjustable hinge

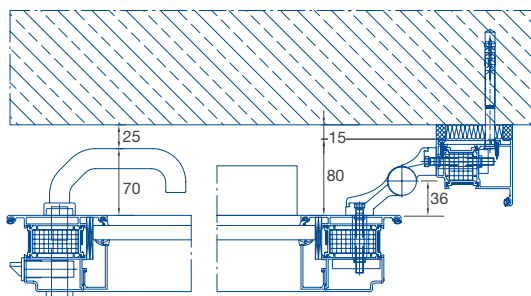
Standard hinge, 3-part



Standard

59

82



Surcharge for 3-way adjustable hinge with 36 mm pivot point for 90° opening in the passage area

per hinge

19

Notice:

For hinges with a 36 mm pivot point, a 90° opening in the passage area is provided.

Surcharges per hinge €

Stainless steel

RAL colours
Special colours

Hörmann guide roller HRB *

Hörmann guide roller HRB, pivot point 17 mm
⚠ Maximum leaf weight: 220 kg!



87

118

* For vertical/horizontal profile constructions opening outwards (glazing beads on the opposite hinge side), a surcharge of €60 per guide roller should be taken into account!

Lock systems – single-point locking

For aluminium fire-rated doors and smoke-tight door assemblies

T30

T60

T90

RS

Notices:

- Fast-track programme
- Standard programme

The named surcharges (price reduction from standard fittings and add-on parts accounted for!) are only valid in combination with a door order. Prices for single delivery on request.

⚠ All prices without lever handle, lever / knob handle set!



T30	T60 / T90	RS / ES 50	RS insulated
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Locks – single-point locking



Escape doors acc. to DIN EN 179 / DIN EN 1125

Single-leaf doors		Surcharge €			
1	BKS lock 1820, change-over function B for lever handle sets	284	●	○	●
2	BKS lock 1820, change-over function B for lever handle sets with anti-panic function inwards ✗ Not suitable according to DIN EN 179 / DIN EN 1125	355	○	○	○
3	BKS lock 1824, passage function D for lever handle sets	216	●	○	●
4	BKS lock 1824, passage function D for lever handle sets with anti-panic function inwards ✗ Not suitable according to DIN EN 179 / DIN EN 1125	330	○	○	○
5	BKS lock 1826, lever / knob function E for lever / knob handle sets	137	●	○	●
6	BKS lock 1910, change-over function B for lever handle sets, mechanically self-locking	403	○	○	○
7	BKS lock 1916, lever / knob function E for lever / knob handle sets, mechanically self-locking	338	○	○	○
8	BKS lock 1970, forced closure function C for lever handle sets, including connection cable, self-locking, outside lever handle that can be electrically connected	1596	○	○	○

Double-leaf doors		Surcharge €			
Half anti-panic					
9	BKS lock 1820, change-over function B for lever handle sets	284	●	○	●
10	BKS lock 1824, passage function D for lever handle sets	216	●	○	●
11	BKS lock 1826, lever / knob function E for lever / knob handle sets	137	●	○	●
Anti-panic function					
12	BKS lock 1821, change-over function B for lever handle sets, incl. leaf communicator ⚠ For doors opening outwards (glazing bead on opposite hinge side) only possible from 2200 mm RAM width ¹⁾	695	●	○	●
13	BKS lock 1825, passage function D for lever handle sets, incl. leaf communicator ⚠ For doors opening outwards (glazing bead on opposite hinge side) only possible from 2200 mm RAM width ¹⁾	534	●	○	●
14	BKS lock 1827 with lever / knob function E, for lever / knob handle sets, incl. leaf communicator ⚠ For doors opening outwards (glazing bead on opposite hinge side) only possible from 2200 mm RAM width ¹⁾	539	●	○	●
15	BKS lock 1911, change-over function B for lever handle sets, mechanically self-locking	1093	○	○	○
16	BKS lock 1917, lever / knob function E for lever / knob handle sets, mechanically self-locking	1009	○	○	○
17	BKS lock 1971, forced closure function C for lever handle sets, including connection cable, self-locking, outside lever handle that can be electrically connected	3018	○	○	○

Self-locking locks (suitable for escape doors acc. to DIN EN 179 / 1125)		Surcharge €			
Single-leaf doors		Surcharge €			
18	SVP 2000, automatic door opener, self-locking, incl. connection cable SVP-A1100 and concealed electro duct (for lever / knob handle sets, lock control must be provided on site) ✗ Not possible with long escutcheon handle set ✓ Touch bar or anti-panic push bar possible ⚠ If applicable, a smoke detector may be required ⚠ For fire-rated doors, a motor lock control SVP-S 4X DCW and Power Reserve module SVP-PR12 may be required	2019	●	○	●
19	SVP 4000, mechanically self-locking, electrical monitoring, incl. connection cable SVP-A1100 and concealed electro duct (for lever / knob handle sets, long escutcheon handle set) ✗ Not possible with touch bar or anti-panic push bar	1314	○	○	○
20	SVP 5000, mechanically self-locking (for lever / knob handle sets, long escutcheon handle set possible) ✗ Not possible with touch bar or anti-panic push bar	507	○	○	○
21	SVP 6000, mechanically self-locking, electrical monitoring, incl. connection cable SVP-A1100 and concealed electro duct (for lever handle sets, long escutcheon handle set possible) ✗ Not possible with touch bar or anti-panic push bar	1549	●	○	●
22	Motor lock control SVP-S 42 DCW (circuit board for fitting in control box)	1113	○	○	○
23	Motor lock control SVP-S 44 DCW (circuit board in plastic housing)	1606	○	○	○
24	Power reserve module SVP-PR12	266	○	○	○

1) For doors with <2200 mm RAM (width) the anti-panic function is only possible with ECO dual locking (except for A / RSx50 and ES50).

Lever handles and lever / knob handle sets according to DIN EN 179

See page 180

Push bar / touch bar acc. to DIN EN 1125

See page 182

Lock systems – multiple-point locking

For aluminium fire-rated doors and smoke-tight door assemblies

T30

T60

T90

RS

Notices:

- Fast-track programme
- Standard programme

The named surcharges (price reduction from standard fittings and add-on parts accounted for!) are only valid in combination with a door order. Prices for single delivery on request.


⚠ All prices without lever handle, lever / knob handle set!



T30	T60 / T90	RS / ES 50	RS insulated
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Locks – multiple-point locking ²⁾

RC2 RC3 Break-in resistance equipment RC 2 and RC 3 (no escape door function)

Single- and double-leaf doors			Surcharge €				
	⚠ Please observe the technical information regarding the security features on page 178!						
	1	Multiple-point lock GU Secury type DR (3-point, mechanical) ✓ For single-leaf and double-leaf doors	578	<input type="radio"/>	<input type="radio"/>	-	<input type="radio"/>
	2	Multiple-point lock GU Secury A4 (S5) Automatic (5-point, self-locking) ✓ For single-leaf and double-leaf doors	930	<input type="radio"/>	<input type="radio"/>	-	<input type="radio"/>

RC2 RC3 Escape doors according to DIN EN 179 / DIN EN 1125 and in combination with break-in resistance equipment RC 2

Single-leaf doors		Surcharge €			
	3	BKS lock Secury 1910, change-over function B for lever handle sets, mechanically self-locking ⚠ For doors opening outwards (glazing bead on opposite hinge side) only possible from 1050 mm RAM width	1094	○	○
	4	BKS lock Secury 1916 with lever / knob function E for lever / knob handle sets, mechanically self-locking ⚠ For doors opening outwards (glazing bead on opposite hinge side) only possible from 1050 mm RAM width	908	○	○

Double-leaf doors			Surcharge €			
	Half anti-panic					
	5	BKS lock Secury 1910, change-over function B for lever handle sets, mechanically self-locking ⚠ For doors opening outwards (glazing bead on opposite hinge side) only possible from 2200 mm RAM width ¹⁾	1094	○	○	–
	6	BKS lock Secury 1916 with lever / knob function E for lever / knob handle sets, mechanically self-locking ⚠ For doors opening outwards (glazing bead on opposite hinge side) only possible from 2200 mm RAM width ¹⁾	908	○	○	–
	Anti-panic function					
	7	BKS lock Secury 1911, change-over function B for lever handle sets, mechanically self-locking ⚠ For doors opening outwards (glazing bead on opposite hinge side) only possible from 2200 mm RAM width ¹⁾	1903	○	○	–
	8	BKS lock Secury 1919 with lever / knob function E for lever / knob handle sets, mechanically self-locking ⚠ For doors opening outwards (glazing bead on opposite hinge side) only possible from 2200 mm RAM width ¹⁾	1736	○	○	–

1) For doors with < 2200 mm RAM (width) the anti-panic function is only possible with ECO dual locking (except for A / RSx50 and ES50).

2) Locks with automatic multiple-point locking must not be combined with electric strikes, please optionally select an A opener

Lever handles and lever / knob handle sets according to DIN EN 179

See page 180

Push bar / touch bar acc. to DIN EN 1125

See page 182

Electric extras and lockings

For aluminium fire-rated doors and smoke-tight door assemblies

T30

T60

T90

RS

Notices:

- Fast-track programme
- Standard programme

The named surcharges (price reduction from standard fittings and add-on parts accounted for!) are only valid in combination with a door order. Prices for single delivery on request.

Surcharge €

T30

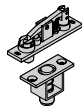
T60 / T90

RS / ES 50

RS insulated

Lockings

⚠ The ECO dual locking is not possible for external doors in combination with anti-panic acc. to DIN EN 1125!



1	Bottom locking of the fixed leaf and adjustable bottom bush	Double-leaf door	105	○	○	○	○
2	ECO dual locking without bottom locking for anti-panic function, to be combined with a half anti-panic lock ¹⁾	Double-leaf door	41	●	○	●	●
3	ECO dual locking with bottom locking and adjustable bottom bush for anti-panic function, to be combined with a half anti-panic lock ¹⁾	Double-leaf door	191	○	○	○	○
4	Optional additional top locking for traffic leaf (BKS 1838) ⚠ Take any additional electric strikes into account	Each	431	○	○	○	○
5	Preparation for block lock, including concealed electro duct ²⁾ ⚠ Lock must be provided for preparation	Each	416	○	○	○	○

Electric strikes

6	Preparation for electric strike, for retrofitting at a later point	Single-leaf door	88	●	○	●	●
		Double-leaf door	284	●	○	●	●

Fire protection

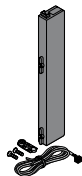


7	IST FT 502-B, 12 – 24 V, adjustable	Single-leaf door	472	●	○	–	–
8	IST FT 502-B, 12 – 24 V, adjustable, incl. concealed electro duct	Double-leaf door	675	●	○	–	–
9	IST FT 503-B, 12 – 24 V, adjustable, with feedback	Single-leaf door	575	●	○	–	–
10	IST FT 503-B, 12 – 24 V, adjustable, with feedback, incl. concealed electro duct	Double-leaf door	779	●	○	–	–

Smoke protection

11	IST A 5002-B, 12 – 24 V, adjustable	Single-leaf door	153	–	–	●	●
12	IST A 5002-B, 12 – 24 V, adjustable, incl. concealed electro duct	Double-leaf door	356	–	–	●	●
13	IST A 5003-B, 12 – 24 V, adjustable, with feedback	Single-leaf door	187	–	–	●	●
14	IST A 5003-B, 12 – 24 V, adjustable, with feedback, incl. concealed electro duct	Double-leaf door	390	–	–	●	●

Automatic opener for multiple-point automatic locks



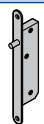
15	A opener for motor-powered opening of locks, including connection cable and concealed electro duct. ⚠ Emergency power buffer mandatory!	Each	537	○	○	○	○
15.1	Emergency power buffer 12 – 24 V (AC, DC)	Each	626	○	○	○	○
15.2	Emergency power buffer 24 V (DC)	Each	344	○	○	○	○

Escape door opener ³⁾



16	GEZE escape door opener FTV 320	Single-leaf door	1573	○	○	○	○
17	GEZE escape door opener FTV 320 incl. concealed electro duct	Double-leaf door	1776	○	○	○	○
18	Dorma escape door electric strike TV 505 (506), 24 V (DCW)	Each	1315	○	○	○	○
19	Dorma escape door TV 505 (506), 24 Volt (DCW)	Each	2129	●	○	●	●
20	Preparation for escape door opener, for retrofitting at a later point Notice: for single-leaf doors vertically and for double-leaf doors horizontally in the lath	Per door	125	●	○	●	●

Electromechanical alarm contact elements ²⁾



21	Alarm contact element 019030	Each	701	○	–	○	○
22	Alarm contact element 019033 with reed contact	Each	785	○	–	○	○

1) ECO dual locking not possible with integrated overhead door closer ITS and with frame without face

2) Consult with the regulations of EitVTR (directive for electrical locking systems) prior to use

3) Escape door opener only on request for frame without face

Reed contacts, latch switching contacts and cylinders

For aluminium fire-rated doors and smoke-tight door assemblies

T30

T60







T90

RS

Notices:

- Fast-track programme
- Standard programme

The named surcharges (price reduction from standard fittings and add-on parts accounted for!) are only valid in combination with a door order. Prices for single delivery on request.

Surcharge €						T30	T60 / T90	RS / ES 50	RS insulated
Reed contact, latch switching contact									
	23	Reed contact Link 4) VDS class B, cable length 10 m	Each	79	●	-	●	●	
	24	Reed contact Link 4) VDS class B, cable length 10 m	Each	119	●	-	●	●	
	25	Latch switching contact, Link 100 13 31, VDS class C, cable length 10 m	Single-leaf door	103	●	○	●	●	
	26	Latch switching contact, Link 100 13 31, VDS class C, cable length 10 m ▶ Fixed leaf monitoring via espagnolette lock / switch latch in the frame	Double-leaf door	190	●	○	●	●	
	27	Latch switching contact, Link 100 13 31, VDS class C, cable length 10 m, including electro duct ▶ Traffic and fixed leaf monitoring ✗ Not in combination with ECO dual locking	Double-leaf door	307	●	○	●	●	
	28	Latch switching contact, Link 100 13 31, VDS class C, cable length 10 m, including electro duct ▶ Fixed leaf monitoring via ECO dual locking	Double-leaf door	546	○	○	○	○	
Electro ducts									
	29	Concealed electro duct	Each	203	○	○	○	○	
	30	Detachable electro duct – Kü trenn	Each	255	○	○	○	○	
Cylinder									
Fire protection, A / RS x00									
	31	Profile cylinder, matt nickel-plated (31.5 / 65.5)	Each	36	○	○	○	○	
	32	Blind cylinder, matt nickel-plated (31.5 / 65.5)	Each	32	○	○	○	○	
	33	Security cylinder for RC 2 / RC 3 (30 / 60)	Each	69	○	○	○	○	
	34	Cylinder cover set for doors in outdoor use, prepared for on-site cylinder	Per set	5,60					
A / RS x50									
	35	Profile cylinder, matt nickel-plated (31.5 / 35.5)	Each	31	-	-	○	○	
	36	Blind cylinder, matt nickel-plated (31.5 / 35.5)	Each	27	-	-	○	○	
Digital cylinder									
	37	Digital cylinder Evolo Smart ▶ Access via card, key chain (chip) or smartphone ▶ Ideal for retrofitting	837		●	○	-	●	
	38	Digital cylinder Evolo Smart ▶ Access via card, key chain (chip) or smartphone ▶ Ideal for retrofitting			-	-	●	-	
	39	Initial start-up set for digital cylinders Including transponder (card and key chain), tools for changing the batteries, initial start-up (app operation) instructions	252		●	●	●	●	

4) Reed contact only on request for frame without face

Fixing material and accessories

For aluminium fire-rated doors and smoke-tight door assemblies

T30

T60




T90

RS

Notices:

- Fast-track programme
- Standard programme

The named surcharges (price reduction from standard fittings and add-on parts accounted for!) are only valid in combination with a door order. Prices for single delivery on request.

Notices:					T30	T60 / T90	RS / ES 50	RS insulated	
<ul style="list-style-type: none">● Fast-track programme○ Standard programme <p>The named surcharges (price reduction from standard fittings and add-on parts accounted for!) are only valid in combination with a door order. Prices for single delivery on request.</p>									
Surcharge €									
Fitting and fixing material including block material									
	40	Fixing material for anchor fitting, through-plug fitting or screw fixing including block material made of hardwood for 20 mm structural gap	Single or double-leaf doors or fixed glazings	30	●	-	●	●	
			Doors with side element / transom light (fire-rated door) ⁵⁾	37	●	-	●	●	
	41	Fixing material for fitting by welding or flush-fitting screw-fixing ⁶⁾ incl. block material made of hardwood for 20 mm structural gap	Single or double-leaf doors or fixed glazings	41	●	-	●	●	
			Doors with side element / transom light (fire-rated door) ⁵⁾	50	●	-	●	●	
	42	Fixing material for anchor fitting, through-plug fitting or screw fixing including block material made of steel for 20 mm structural gap	Single or double-leaf doors or fixed glazings	35	-	●	-	-	
			Doors with side element / transom light (fire-rated door) ⁵⁾	46	-	●	-	-	
	43	Fixing material for fitting by welding or flush-fitting screw-fixing incl. block material made of steel for 20 mm structural gap	Single or double-leaf doors or fixed glazings	48		●	-	-	
			Doors with side element / transom light (fire-rated door) ⁵⁾	55	-	●	-	-	
	Fixing block material sets								
		44	Steel supports and spacer blocks	60 × 58 × 1 mm	Pack unit: 150	84	○	●	-
60 × 58 × 2 mm				Pack unit: 100	67	○	●	-	-
60 × 58 × 5 mm				Pack unit: 50	82	○	●	-	-
45		Steel supports and spacer blocks made of hardwood	70 × 40 × 2 mm	Pack unit: 100	28	●	●	●	●
			70 × 40 × 3 mm	Pack unit: 100	30	●	-	●	●
			70 × 40 × 5 mm	Pack unit: 100	32	●	-	●	●
Accessories for structural gap									
	46	Mineral wool fire protection pack for structural gap Set of 6 strips with 64 × 50 × 1000 mm each (possible to cut on-site)			27	●	●	●	●

5) Doors with side element and / or transom light in certain size ranges (see approval)

6) Flush wall screw-fixing not suitable for A / RS × 50

Notice on fixing material:

The listed fixing material is approved and the correct fastening is described in the fitting instructions. Deviating fixing materials for through-plug or screw-on fitting must have an appropriate approval. The specifications (e.g. necessary edge distances) must be agreed with the respective manufacturer or taken from the technical documents.

Good reasons to try Hörmann steel tubular frame construction project doors



Particularly narrow door view

S-Line system

HÖRMANN

Extensions, couplings and statics profiles

For aluminium fire-rated doors and smoke-tight assemblies

T30

T60

T90

RS

Notice:

- Fast-track programme
- Standard programme

► Horizontal extension profiles are always continuous

			Standard colour RAL 9016/ EG/ EV1	Preferred colour/ RAL to choose	Special colour	T30	T60 / T90	RS	RS insulated
			Surcharge per m €						
Extension profiles									
T30			Surcharge per m €						
1	T30 extension profile ► Max. 2 units each on left, right and top	Viewed width 25 mm	121	131	143	●	-	-	-
		Viewed width 50 mm	141	157	172	●	-	-	-
		Viewed width 100 mm *	183	203	221	○	-	-	-
2	T30 extension profile ► Max. 1 units each on left, right and top	Viewed width 150 mm *	216	238	263	○	-	-	-
T60 / T90			Surcharge per m €						
3	T60 / T90 extension profile ► Max. 1 unit each on left, right and top, with fixed elements 2 units	Viewed width 25 mm	124	136	149	-	○	-	-
		Viewed width 50 mm	164	181	197	-	○	-	-
Smoke protection			Surcharge per m €						
4	Smoke-tight extension profile ► Max. 2 units each on left, right and top	Viewed width 25 mm	104	114	126	-	-	-	●
			54	58	66	-	-	●	-
		Viewed width 50 mm	112	124	135	-	-	-	●
			58	66	72	-	-	●	-
5	► Max. 1 units each on left, right and top	Viewed width 100 mm *	145	161	176	-	-	-	○
		Viewed width 150 mm *	175	192	211	-	-	-	○
Corner profiles (for external doors on request)									
T30			Surcharge per m €						
6	T30 corner profile 90°		500	551	607	○	-	-	-
Smoke protection			Surcharge per m €						
7	Smoke protection corner profile 90°		345	379	417	-	-	-	○
			160	176	193	-	-	○	-
Statics profiles									
T30 / T60 / T90			Surcharge per m €						
8	Statics profile version E	Separate	158	174	191	○	○	-	-
		Factory fitted	205	225	248	○	○	-	-
9	Statics profile version F	Separate	229	251	275	○	-	-	-
		Factory fitted	284	311	343	○	-	-	-
10	Statics profile version H	Separate	227	249	272	○	○	-	-
		Factory fitted	324	357	394	○	○	-	-
11	Statics profile version I	Separate	314	345	378	-	○	-	-
		Factory fitted	375	413	453	-	○	-	-
12	Statics profile version K	Separate	262	287	317	-	○	-	-
		Factory fitted	323	356	392	-	○	-	-
Smoke protection			Surcharge per m €						
13	Statics profile version E	Separate	150	165	182	-	-	○	○
		Factory fitted	207	227	250	-	-	○	○
14	Statics profile version F	Separate	186	211	232	-	-	○	○
		Factory fitted	240	266	292	-	-	○	○


* Not possible with coupling constructions

► Statics profiles in accordance with the statics program or from page 58

Vertical and horizontal rails, crossing points, arches, chamfers and recesses

For aluminium fire-rated doors and smoke-tight door assemblies

T30 T60 T90 RS

Horizontal rail / vertical rail			
T30 – (HE 311, HE 321 and HE 331)			€
Horizontal rail / vertical rail (100 mm)	Per m	RAL 9016 / E6/EV1	211
		Preferred colour / RAL to choose	232
		Special colour	256
T60 / T90 – (HE 611, HE 621, HE 631 and HE 911, HE 921, HE 931)			€
Horizontal rail / vertical rail (100 mm)	Per m	RAL 9016 / E6/EV1	258
		Preferred colour / RAL to choose	285
		Special colour	314
Smoke protection / internal doors – (A / RS 150, A / RS 250, A / RS 350, ES 50)			€
Horizontal rail / vertical rail (100 mm)	Per m	RAL 9016 / E6/EV1	125
		Preferred colour / RAL to choose	137
		Special colour	150
Insulated, smoke protection – (A / RS 100, A / RS 200, A / RS 300)			€
Horizontal rail / vertical rail (100 mm)	Per m	RAL 9016 / E6/EV1	195
		Preferred colour / RAL to choose	216
		Special colour	237
Crossing point			
T30 – (HE 311, HE 321 and HE 331)			€
Crossing point	Each		225
Non-insulated and insulated smoke protection – (A / RS 150, A / RS 250, A / RS 350, A / RS 100, A / RS 200, A / RS 300)			
Crossing point	Each		225
 Maximum number of rails		HE x	see product descriptions from page 58
Arches (pointed, segmental and Norman arches)			€
<ul style="list-style-type: none">F30F60 / F90A / RS 300A / RS 350			On request
Chamfers and recesses on request			€
			On request

Notice:

The rectangle forming a model pane must not exceed the dimensions of 1600 × 2000 mm. For each pane, a perfect-fitting stencil made of fibre board or a completely dimensioned drawing is to be provided free of charge. The creation of production stencils can result in additional costs. For Norman arches, the radius must be > 500 mm.

Door closers and hold-open devices

For aluminium fire-rated doors

T30

RS

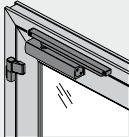
HE 311 as well as A / RS 100, A / RS 150, ES 50

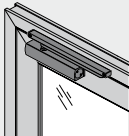
General notices on using and equipping door closers


See page 56

Notice:

- Fast-track programme
- Standard programme

For fitting on the hinge side	Overall frame dimension		Silver-coloured	Delivery programme	RAL colours / special colours	Delivery programme
	Min.	Max.				
						
HDC 35						Surcharge €
HDC 35 (only for aluminium)						
• Opening angle 180°	605	1270	203	●	263	○
GEZE – TS 5000						Surcharge €
TS 5000						
• Opening angle 173°	605	1500	292	●	341	○
• May also be used for overhead fitting on the opposite hinge side						
TS 5000 E *						
• Opening angle 173°	756	1500	653	●	704	○
• Hold-open angle 80° – 130°						
TS 5000 R *						
• Opening angle 173°	970	1500	1364	●	1414	○
• Hold-open angle 80° – 130°						
• Extension profile for glazing beads on the hinge side 25 mm						
TS 5000 EFS *						
• Opening angle 173°	756	1500	1812	○	1862	○
• Hold-open angle 80° – 130°						
TS 5000 RFS *						
• Opening angle 173°	970	1500	2746	○	2796	○
• Hold-open angle 80° – 130°						
• Extension profile for glazing beads on the hinge side 25 mm						
TS 5000 ECline						
• With EC Line slide rail						
• Opening angle 173°	605	1338	333	●	383	○
• Max. leaf weight 250 kg						
✓ Suitable for barrier-free construction acc. to DIN 18040						
TS 5000 E ECline *						
• Opening angle 173°	756	1338	694	○	745	○
• Hold-open angle 80° – 130°						
• Max. leaf weight 250 kg						
✓ Suitable for barrier-free construction acc. to DIN 18040						
TS 5000 R ECline *						
• Opening angle 173°	970	1338	1405	○	1470	○
• Hold-open angle 80° – 130°						
• Extension profile for glazing beads on the hinge side 25 mm						
• Max. leaf weight 250 kg						
✓ Suitable for barrier-free construction acc. to DIN 18040						

For fitting on the opposite hinge side **	Overall frame dimension		Silver-coloured	Delivery programme	RAL colours / special colours	Delivery programme
	Min.	Max.				
						
GEZE – TS 5000						Surcharge €
TS 5000 L						
• Opening angle 173°	796	1500	314	○	364	○
TS 5000 L-E						
• Opening angle 173°	796	1500	726	○	776	○
• Hold-open angle 80° – 130°						
TS 5000 L-R						
• Opening angle 173°	1010	1500	1437	○	1487	○
• Hold-open angle 80° – 130°						

*  Hold-open devices are not suitable for use with external doors

Magnets, smoke switch control units and further accessories for door closers

See page 205

Operators for fire-rated doors

See from page 206

** Not possible in combination with 3-way hinges with 36 mm pivot point

Door closers and hold-open devices

For aluminium fire-rated doors

T30

RS

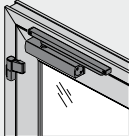
HE 311 as well as A / RS 100, A / RS 150, ES 50

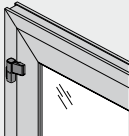
General notices on using and equipping door closers


See page 56

Notice:

- Fast-track programme
- Standard programme

For fitting on the hinge side	Overall frame dimension		Silver-coloured	Delivery programme	RAL colours / special colours	Delivery programme
	Min.	Max.				
						
H – TS 93 B						Surcharge €
H – TS 93 B • Opening angle 180°	673	1500	292	●	–	○
Dorma						Surcharge €
TS 93 B • Opening angle 180°	673	1500	292	●	341	○
TS 93 B EMF * • Opening angle 120° • Hold-open angle traffic leaf 80° – 120°	766	1500	653	○	704	○
TS 93 B EMR * • Opening angle 120° • Hold-open angle traffic leaf 80° – 120°	938	1500	1364	●	1414	○
TS 98 XEA • Opening angle 180°	673	1488	715	○	765	○
TS 98 XEA EMF • Opening angle 140° • Hold-open angle traffic leaf 80° – 140°	766	1488	1290	○	1340	○
TS 98 XEA EMR • Opening angle 140° • Hold-open angle traffic leaf 80° – 140°	938	1488	2516	○	2565	○
TS 99 FL * • Compensator function from door opening angle > 0° ✓ Suitable for barrier-free construction acc. to DIN 18040	816	1338	1633	○	1682	○
TS 99 FLR-K * • Compensator function from door opening angle > 0° ✓ Suitable for barrier-free construction acc. to DIN 18040	911	1338	2762	○	2812	○

	Overall frame dimension			Delivery programme
	Min.	Max.		
				
Concealed door closer Dorma – ITS 96				Surcharge €
ITS 96 • Opening angle 120° • Max. leaf weight 130 kg ✓ Suitable for use with frame without face	≥ 788	≤ 1188	521	○
ITS 96 (not for A / RS x50) • Opening angle 120° • Max. leaf weight 180 kg ✓ Suitable for use with frame without face	≥ 788	≤ 1488	604	○
ITS 96 G EMF * • Opening angle 120° • Hold-open angle traffic leaf 80° – 120° • Max. leaf weight 130 kg	≥ 832	≤ 1188	1128	○
ITS 96 G EMF * (not for A / RS x50) • Opening angle 120° • Hold-open angle traffic leaf 80° – 120° • Max. leaf weight 180 kg	≥ 832	≤ 1338	1209	○

*  Hold-open devices are not suitable for use with external doors

Notice:

- An additional smoke switch control unit must be taken into account for an integrated door closer with electromechanical hold-open device. Additional ceiling smoke detectors may be required depending on the situation on site. (See the directives for hold-open devices)
- A trigger button is always required for compensator closers.

Magnets, smoke switch control units and further accessories for door closers

See page 205

Operators for fire-rated doors

See from page 206

Door closers and hold-open devices

T30

RS

For aluminium and steel fire-rated doors

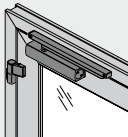
HE 321 as well as A/RS 200, A/RS 250, ES 50

General notices on using and equipping door closers

See page 56

Notice:

- Fast-track programme
- Standard programme

For fitting on the hinge side	Overall frame dimension		Traffic leaf division dimensions		Fixed leaf division dimensions		Silver-coloured	Delivery programme	RAL colours / special colours	Delivery programme
	Min.	Max.	Min.	Max.	Min.	Max.				
										
GEZE – TS 5000										Surcharge €
TS 5000 ISM • Opening angle 173°	1388	3000	≥ 750	≤ 1500	≥ 500	≤ 1500	616	●	760	○
TS 5000 E-ISM * • Opening angle 173° • Hold-open angle 80 – 130° (both leaves)	1388	3000	≥ 750	≤ 1500	≥ 500	≤ 1500	1364	●	1510	○
TS 5000 ISM-EFS * • Opening angle 173° • Hold-open angle 80 – 130° (both leaves)	1388	3000	≥ 750	≤ 1500	≥ 500	≤ 1500	2300	○	2445	○
TS 5000 R-ISM * • Opening angle 173° • Hold-open angle 80 – 130° (both leaves) • Extension profile for glazing beads on the hinge side 25 mm	1588	3000	≥ 919	≤ 1500	≥ 500	≤ 1500	2263	●	2407	○
TS 5000 R-ISM EFS * • Opening angle 173° • Compensator and hold-open function (only traffic leaf) • Extension profile for glazing beads on the hinge side 25 mm	1588	2588	≥ 794	≤ 1294	≥ 500	≤ 1294	3800	○	3945	○
TS 5000 ECline ISM • Opening angle 173° • Max. leaf weight 250 kg ✓ Suitable for barrier-free construction acc. to DIN 18040	1388	2588	≥ 694	≤ 1294	≥ 500	≤ 1294	657	●	801	○
TS 5000 ECline E-ISM * • Opening angle 173° • Hold-open angle 80 – 130° (both leaves) • Max. leaf weight 250 kg ✓ Suitable for barrier-free construction acc. to DIN 18040	1388	2588	≥ 694	≤ 1294	≥ 500	≤ 1294	1405	○	1551	○
TS 5000 ECline R-ISM * • Opening angle 173° • Hold-open angle 80 – 130° (both leaves) • Extension profile for glazing beads on the hinge side 25 mm • Max. leaf weight 250 kg ✓ Suitable for barrier-free construction acc. to DIN 18040	1588	2588	≥ 794	≤ 1294	≥ 500	≤ 1294	2304	○	2448	○

* ⚠ Hold-open devices are not suitable for use with external doors

Notice:

- An additional smoke switch control unit must be taken into account for an integrated door closer with electromechanical hold-open device. Additional ceiling smoke detectors may be required depending on the situation on site. (See the directives for hold-open devices)
- A trigger button is always required for compensator closers.

Concealed door closer for HE 321

See page 199

Magnets, smoke switch control units and further accessories for door closers

See page 205

Operators for fire-rated doors

See from page 206

Door closers and hold-open devices

T30

RS

For aluminium and steel fire-rated doors

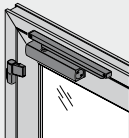
HE 321 as well as A/RS 200, A/RS 250, ES 50

General notices on using and equipping door closers

See page 56

Notice:

- Fast-track programme
- Standard programme

For fitting on the hinge side	Overall frame dimension		Traffic leaf division dimensions		Fixed leaf division dimensions		Silver-coloured	Delivery programme	RAL colours / special colours	Delivery programme
	Min.	Max.	Min.	Max.	Min.	Max.				
										
Dorma – TS 93										Surcharge €
TS 93 GSR • Opening angle 180°	1308	3000	≥ 750	≤ 1500	≥ 500	≤ 1500	616	●	760	○
TS 93 GSR EMF 1 G * • Opening angle 130° • Hold-open angle traffic leaf 80° – 130°	1308	3000	≥ 750	≤ 1500	≥ 500	≤ 1500	972	○	-	○
TS 93 GSR EMF 2 * • Opening angle 130° • Hold-open angle 80° – 130° (both leaves)	1308	3000	≥ 750	≤ 1500	≥ 500	≤ 1500	1364	○	1510	○
TS 93 GSR EMR 1 G * • Opening angle 130° • Hold-open angle traffic leaf 80° – 130°	1788	3000	≥ 750	≤ 1500	≥ 500	≤ 1500	2278	○	2423	○
TS 93 GSR EMR 2 * • Opening angle 130° • Hold-open angle 80° – 130° (both leaves)	1788	3000	≥ 750	≤ 1500	≥ 500	≤ 1500	2263	●	2407	○
TS 98 XEA GSR • Opening angle 180°	1308	2888	750	1444	500	1444	1684	○	2164	○
TS 98 XEA GSR EMF 2 • Opening angle 130° • Hold-open angle 80 – 130° (both leaves)	1308	2888	750	1444	500	1444	2807	○	3287	○
TS 98 XEA GSR EMR 2 • Opening angle 130° • Hold-open angle 80 – 130° (both leaves)	1788	2888	750	1444	500	1444	3668	○	4128	○
TS 99 FL GSR * • Compensator function from door opening angle > 0° ✓ Suitable for barrier-free construction acc. to DIN 18040	1438	2588	≥ 750	≥ 1294	≥ 500	≥ 1294	2073	○	2217	○
TS 99 FL GSR-EMF 1 * • Compensator on traffic leaf and electromechanical hold-open device on fixed leaf • Compensator function from door opening angle > 0° ✓ Suitable for barrier-free construction acc. to DIN 18040	1438	2588	≥ 750	≥ 1294	≥ 500	≥ 1294	2716	○	-	○
TS 99 FL GSR-EMR 1 * • Compensator on traffic leaf and electromechanical hold-open device on fixed leaf • Compensator function from door opening angle > 0° ✓ Suitable for barrier-free construction acc. to DIN 18040	1788	2588	≥ 894	≥ 1294	≥ 500	≥ 1294	3539	○	-	○

* ⚠ Hold-open devices are not suitable for use with external doors

Notice:

- An additional smoke switch control unit must be taken into account for an integrated door closer with electromechanical hold-open device. Additional ceiling smoke detectors may be required depending on the situation on site. (See the directives for hold-open devices)
- A trigger button is always required for compensator closers.

Concealed door closer for HE 321

See page 199

Magnets, smoke switch control units and further accessories for door closers

See page 205

Operators for fire-rated doors

See from page 206

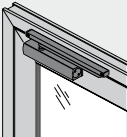
Door closers and hold-open devices


For aluminium and steel fire-rated doors

T30

RS

HE 321 as well as A / RS 200

For fitting on the opposite hinge side	Overall frame dimension		Traffic leaf division dimensions		Fixed leaf division dimensions		Silver-coloured	Delivery programme	RAL colours / special colours	Delivery programme
	Min.	Max.	Min.	Max.	Min.	Max.				
										
GEZE – TS 5000 **										Surcharge €
TS 5000 L-ISM • Opening angle 119°	1448	2888	≥ 724	≤ 1444	≥ 500	≤ 1444	880	○	1051	○
TS 5000 L-E-ISM * • Opening angle 119° • Hold-open angle 80 – 130° (both leaves)	1448	2888	≥ 724	≤ 1444	≥ 500	≤ 1444	1615	○	1760	○
TS 5000 L-R-ISM * • Opening angle 119° • Hold-open angle 80 – 130° (both leaves)	1648	2888	≥ 724	≤ 1444	≥ 500	≤ 1444	2409	○	2557	○
For anti-panic doors										Surcharge €
TS 5000 L-ISM VPK • Opening angle 119°	1388	2888	≥ 694	≤ 1444	≥ 500	≤ 1444	2476	○	2623	○
TS 5000 L-E-ISM VPK* • Opening angle 119° • Hold-open angle 80 – 130° (both leaves)	1388	2888	≥ 694	≤ 1444	≥ 500	≤ 1444	3797	○	3944	○
TS 5000 L-R-ISM VPK * • Opening angle 119° • Hold-open angle 80 – 130° (both leaves)	1733	2888	≥ 949	≤ 1444	≥ 500	≤ 1444	4043	○	4189	○

*  Hold-open devices are not suitable for use with external doors

** Not in combination with 3-way hinges with 36 mm pivot point

Notice:

- An additional smoke switch control unit must be taken into account for an integrated door closer with electromechanical hold-open device. Additional ceiling smoke detectors may be required depending on the situation on site. (See the directives for hold-open devices)
- A trigger button is always required for compensator closers.

Magnets, smoke switch control units and further accessories for door closers

See page 205

Operators for fire-rated doors

See from page 206

Door closers and hold-open devices


For aluminium and steel fire-rated doors

T30

RS

HE 321 as well as A/RS 200, A/RS 250

Delivery programme		Overall frame dimension		Traffic leaf division dimensions		Fixed leaf division dimensions		
		Min.	Max.	Min.	Max.	Min.	Max.	
Concealed door closer Dorma – ITS 96								
Surcharge €								
<input type="radio"/>	ITS 96 G GSR <ul style="list-style-type: none">• Opening angle 120°• Leaf width 740 – 1100 mm• <i>Max. leaf weight 130 kg</i>✓ Suitable for use with frame without face	≥ 1488	≤ 2288	≥ 744	≤ 1144	≥ 744	≤ 1144	1197
<input type="radio"/>	ITS 96 G GSR (not for ARSx50) <ul style="list-style-type: none">• Opening angle 120°• Leaf width 740 – 1400 mm• <i>Max. leaf weight 180 kg</i>✓ Suitable for use with frame without face	≥ 1488	≤ 2888	≥ 744	≤ 1444	≥ 744	≤ 1444	1362
<input type="radio"/>	ITS 96 G GSR EMF * <ul style="list-style-type: none">• Opening angle 120°• Hold-open angle 80° – 120° (both leaves)• Leaf width 740 – 1100 mm• <i>Max. leaf weight 130 kg</i>	≥ 1488	≤ 2288	≥ 744	≤ 1144	≥ 744	≤ 1144	2331
<input type="radio"/>	ITS 96 G GSR EMF * (not for ARSx50) <ul style="list-style-type: none">• Opening angle 120°• Hold-open angle 80° – 120° (both leaves)• Leaf width 740 – 1400 mm• <i>Max. leaf weight 180 kg</i>	≥ 1488	≤ 2888	≥ 744	≤ 1444	≥ 744	≤ 1444	2500

*  Hold-open devices are not suitable for use with external doors

Notice:

- An additional smoke switch control unit must be taken into account for an integrated door closer with electromechanical hold-open device. Additional ceiling smoke detectors may be required depending on the situation on site. (See the directives for hold-open devices)
- A trigger button is always required for compensator closers.

Magnets, smoke switch control units and further accessories for door closers

See page 205

Operators for fire-rated doors

See from page 206

Door closers and hold-open devices

For aluminium and steel fire-rated doors

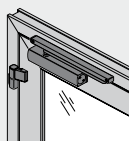
T60

T90

HE 611 and HE 911

General notices on using and equipping door closers

See page 56

For fitting on the hinge side	Overall frame dimension		Silver-coloured	RAL colours / special colours
	Min.	Max.		
				
HDC 35	Surcharge €			
HDC 35 (only for aluminium) • Opening angle 180°	605	1270	203	263
H – TS 93 B				
H – TS 93 B • Opening angle 180°	673	1500	292	–
GEZE – TS 5000	Surcharge €			
TS 5000 • Opening angle 173° • May also be used for overhead fitting on the opposite hinge side	605	1500	292	341
TS 5000 E • Opening angle 173° • Hold-open angle 80 – 130°	605	1500	653	704
TS 5000 R • Opening angle 173° • Hold-open angle 80 – 130° • Extension profile for glazing beads on the hinge side 25 mm	605	1500	1364	1414
TS 5000 EFS • Opening angle 173° • Hold-open angle 80 – 130°	663	1338	1812	1862
TS 5000 RFS • Opening angle 173° • Hold-open angle 80 – 130° • Extension profile for glazing beads on the hinge side 25 mm	863	1338	2746	2796
TS 5000 ECline • With EC Line slide rail • Opening angle 173° • Max. leaf weight 250 kg ✓ Suitable for barrier-free construction acc. to DIN 18040	605	1338	333	383
TS 5000 E ECline • Opening angle 173° • Hold-open angle 80 – 130° • Max. leaf weight 250 kg ✓ Suitable for barrier-free construction acc. to DIN 18040	605	1338	694	745
TS 5000 R ECline • Opening angle 173° • Hold-open angle 80 – 130° • Extension profile for glazing beads on the hinge side 25 mm • Max. leaf weight 250 kg ✓ Suitable for barrier-free construction acc. to DIN 18040	605	1338	1405	1470
Dorma – TS 93	Surcharge €			
TS 93 B • Opening angle 180° • Opening limiter 80° – 120°	673	1500	292	341
TS 93 B EMF • Opening angle 120° • Hold-open angle traffic leaf 80° – 120°	686	1500	653	704
TS 93 B EMR • Opening angle 120° • Hold-open angle traffic leaf 80° – 120°	907	1500	1364	1414
TS 99 FL • Compensator function from door opening angle > 0° ✓ Suitable for barrier-free construction acc. to DIN 18040	972	1338	1633	1682
TS 99 FLR-K • Compensator function from door opening angle > 0° ✓ Suitable for barrier-free construction acc. to DIN 18040	911	1338	2762	2812

Notice:

- An additional smoke switch control unit must be taken into account for an integrated door closer with electromechanical hold-open device. Additional ceiling smoke detectors may be required depending on the situation on site. (See the directives for hold-open devices)
- A trigger button is always required for compensator closers.

Magnets, smoke switch control units and further accessories for door closers

See page 205

Operators for fire-rated doors

See from page 206

Door closers and hold-open devices

For aluminium fire-rated doors

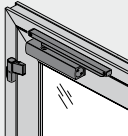
HE 621 and HE 921

T60

T90

General notices on using and equipping door closers

See page 56

<div>For fitting on the hinge side</div> 	Overall frame dimension		Traffic leaf division dimensions		Fixed leaf division dimensions		Silver-coloured	RAL colours / special colours
	Min.	Max.	Min.	Max.	Min.	Max.		
GEZE – TS 5000							Surcharge €	
TS 5000 ISM • Opening angle 173°	1388	2850	≥ 694	≤ 1425	≥ 500	≤ 1425	616	760
TS 5000 E-ISM • Opening angle 173° • Hold-open angle 80 – 130° (both leaves)	1388	2850	≥ 694	≤ 1425	≥ 500	≤ 1425	1364	1510
TS 5000 ISM-EFS • Opening angle 173° • Hold-open angle 80 – 130° (both leaves)	1388	2588	≥ 694	≤ 1294	≥ 500	≤ 1294	2300	2445
TS 5000 R-ISM • Opening angle 173° • Compensator and hold-open function (only traffic leaf) • Extension profile for glazing beads on the hinge side 25 mm	1588	2588	≥ 794	≤ 1294	≥ 500	≤ 1294	2263	2407
TS 5000 R-ISM EFS • Opening angle 173° • Hold-open angle 80 – 130° (both leaves) • Extension profile for glazing beads on the hinge side 25 mm	1588	2850	≥ 814	≤ 1425	≥ 500	≤ 1425	3800	3945
TS 5000 ECline ISM • Opening angle 173° • Max. leaf weight 250 kg ✓ Suitable for barrier-free construction acc. to DIN 18040	1388	2588	≥ 694	≤ 1294	≥ 500	≤ 1294	657	801
TS 5000 ECline E-ISM • Opening angle 173° • Hold-open angle 80 – 130° (both leaves) • Max. leaf weight 250 kg ✓ Suitable for barrier-free construction acc. to DIN 18040	1388	2588	≥ 694	≤ 1294	≥ 500	≤ 1294	1405	1551
TS 5000 ECline R-ISM • Opening angle 173° • Hold-open angle 80 – 130° (both leaves) • Extension profile for glazing beads on the hinge side 25 mm • Max. leaf weight 250 kg ✓ Suitable for barrier-free construction acc. to DIN 18040	1588	2588	≥ 794	≤ 1294	≥ 500	≤ 1294	2304	2448

Notice:

- An additional smoke switch control unit must be taken into account for an integrated door closer with electromechanical hold-open device. Additional ceiling smoke detectors may be required depending on the situation on site. (See the directives for hold-open devices)
- A trigger button is always required for compensator closers.

Magnets, smoke switch control units and further accessories for door closers

See page 205

Operators for fire-rated doors

See from page 206

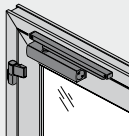
Door closers and hold-open devices

For aluminium and steel fire-rated doors

T60

T90

HE 621 and HE 921

For fitting on the hinge side 	Overall frame dimension		Traffic leaf division dimensions		Fixed leaf division dimensions		Silver-coloured	RAL colours / special colours
	Min.	Max.	Min.	Max.	Min.	Max.		
Dorma – TS 93							Surcharge €	
TS 93 GSR • Opening angle 180°	1308	2850	≥ 654	≤ 1425	≥ 500	≤ 1425	616	760
TS 93 GSR EMF 1 • Opening angle 130° – 150° • Hold-open angle traffic leaf 150° • Fixed leaf hold-open angle 80° – 130°	1308	2850	≥ 654	≤ 1425	≥ 500	≤ 1425	972	-
TS 93 GSR EMF 2 • Opening angle 130° • Hold-open angle 80° – 130° (both leaves)	2588	2850	≥ 1294	≤ 1425	≥ 500	≤ 1425	1364	1510
TS 93 GSR EMR 1 • Opening angle 130° – 150° • Hold-open angle traffic leaf 150° • Fixed leaf hold-open angle 80° – 130°	1308	2850	≥ 654	≤ 1425	≥ 500	≤ 1425	2278	2423
TS 93 GSR EMF 1 G • Opening angle 130° • Hold-open angle traffic leaf 80° – 130°	1788	2850	≥ 894	≤ 1425	≥ 500	≤ 1425	972	-
TS 93 GSR EMR 1 G • Opening angle 130° • Hold-open angle traffic leaf 80° – 130°	1788	2850	≥ 894	≤ 1425	≥ 500	≤ 1425	2278	-
TS 93 GSR EMR 2 • Opening angle 130° • Hold-open angle 80° – 130° (both leaves)	1788	2850	≥ 894	≤ 1425	≥ 500	≤ 1425	2263	2407
TS 99 FL GSR • Compensator function from door opening angle > 0° ✓ Suitable for barrier-free construction acc. to DIN 18040	1438	2588	719	1294	500	1294	2073	2217
TS 99 FL GSR-EMF 1 • Compensator on traffic leaf and electromechanical hold-open device on fixed leaf • Compensator function from door opening angle > 0° ✓ Suitable for barrier-free construction acc. to DIN 18040	1438	2588	719	1294	500	1294	2716	-
TS 99 FL GSR-EMR 1 • Compensator on traffic leaf and electromechanical hold-open device on fixed leaf • Compensator function from door opening angle > 0° ✓ Suitable for barrier-free construction acc. to DIN 18040	1788	2588	894	1294	500	1294	3539	-

Notice:

- An additional smoke switch control unit must be taken into account for an integrated door closer with electromechanical hold-open device. Additional ceiling smoke detectors may be required depending on the situation on site. (See the directives for hold-open devices)
- A trigger button is always required for compensator closers.

Magnets, smoke switch control units and further accessories for door closers

See page 205

Operators for fire-rated doors

See from page 206

General notices on using and equipping door closers

See page 56

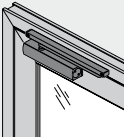
Door closers and hold-open devices

For aluminium fire-rated doors

HE 621 and HE 921

T60

T90

For fitting on the opposite hinge side**	Overall frame dimension		Traffic leaf division dimensions		Fixed leaf division dimensions		Silver-coloured	RAL colours / special colours
	Min.	Max.	Min.	Max.	Min.	Max.		
								
GEZE – TS 5000								Surcharge €
TS 5000 L-ISM • Opening angle 119°	1448	2850	≥ 547	≤ 1425	≥ 500	≤ 1425	880	1051
TS 5000 L-E-ISM * • Opening angle 119° • Hold-open angle 80 – 130° (both leaves)	1448	2850	≥ 547	≤ 1425	≥ 500	≤ 1425	1615	1760
TS 5000 L-R-ISM * • Opening angle 119° • Hold-open angle 80 – 130° (both leaves)	1648	2850	≥ 949	≤ 1425	≥ 500	≤ 1425	2409	2557
For anti-panic doors								Surcharge €
TS 5000 L-ISM VPK • Opening angle 119°	1388	2850	≥ 547	≤ 1425	≥ 500	≤ 1425	2476	2623
TS 5000 L-E-ISM VPK* • Opening angle 119° • Hold-open angle 80 – 130° (both leaves)	1388	2850	≥ 547	≤ 1425	≥ 500	≤ 1425	3797	3944
TS 5000 L-R-ISM VPK * • Opening angle 119° • Hold-open angle 80 – 130° (both leaves)	1733	2850	≥ 949	≤ 1425	≥ 500	≤ 1425	4043	4189

Notice:

- An additional smoke switch control unit must be taken into account for an integrated door closer with electromechanical hold-open device. Additional ceiling smoke detectors may be required depending on the situation on site. (See the directives for hold-open devices)
- A trigger button is always required for compensator closers.

** Not in combination with 3-way hinges with 36 mm pivot point

Magnets, smoke switch control units and further accessories for door closers

See page 205

Operators for fire-rated doors

See from page 206

General notices on using and equipping door closers

See page 56

Hold-open devices with door magnets

For aluminium fire-rated doors and smoke-tight door assemblies

T30

T60

T90

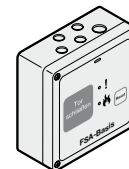
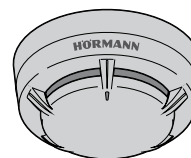
RS

⚠ Depending on local requirements, more than 1 smoke detector may be necessary. Please order these additionally.

Hold-open devices with door magnets

Components for a hold-open device with door magnet:

- Door magnet for wall or floor fitting (per leaf for double-leaf doors), with counterplate
- 1× smoke detector type H-RM 4070 with dust protection cap and fitting base H-RM with support bracket for fitting to lintel
- Hold-open device control unit FSA Basis (transformer incl. push button)



Magnets for DORMA smoke switch control units

Magnets for DORMA smoke switch control units					
Item	Article	Door magnet unit price		Smoke detector H-RM 4070 (lintel fitting)	Hold-open device control unit FSA Basis *
		Stainless steel design	White		
Door magnet for floor fitting					
1	With standard counterplate	453	376	297	274
2	With angle adjustment counterplate	519	441		
3	With telescopic counterplate	644	568		
Surface-mounted door magnet for wall fitting					
4	With standard counterplate	373	297	297	274
5	With angle adjustment counterplate	440	363		
6	With telescopic counterplate	566	489		

Magnets for GEZE smoke switch control units

Magnets for GLEE smoke switch control units					
Item	Article	Door magnet unit price	Smoke detector H-RM 4070 (lintel fitting)	Hold-open device control unit FSA Basis *	
Door magnet for floor fitting					
7	With standard counterplate	329	297	274	
Surface-mounted door magnet for wall fitting					
8	With standard counterplate	207	279	274	
9	With post extension 185 mm	324			
10	With post extension 335 mm	545			
11	With post extension 485 mm	565			

* Includes transformer and push button

Recessed junction box for hold-open device control FSA Basis

Notice:

Suitable for fitting in partition walls with plaster cladding

Each

92

Hold-open devices with door closers

For aluminium fire-rated doors and smoke-tight door assemblies

T30

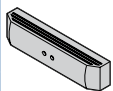

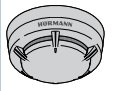

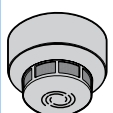


T60

T90

RS

⚠ Depending on local requirements, more than 1 smoke detector may be necessary. Please order these additionally.

Hold-open devices with door closers

Optional extras for door closers and hold-open devices				€
1		Hekatron RSZ compact (white or silver)	Each	662
2		GEZE smoke switch control unit RSZ 7	Each	737
3		Dorma smoke switch control unit RMZ	Each	737
4		Hold-open device control unit Hörmann FSA Basis	Each	274
5		Hörmann smoke detector type H-RM 4070 with dust protection cap and fitting base for fitting to ceiling ¹⁾	Each	279
6		Hold-open device control Hekatron FSZ	Each	287
7		Smoke detector type ORS 142 with dust protection cap and fitting base 143 A for fitting to ceiling	Each	294
8		Hörmann push button HAT 02	Each	70
9		Hörmann log book for hold-open devices	Each	19,80

Only possible in combination with hold-open device control Hörmann FSA Basis!

Notice:

Door magnets without external smoke detectors and transformers (delivered as separate parts in accessory pack)

Electric wiring and initial start-up of hold-open devices must be performed on-site by GEZE or DORMA and are not included in the aforementioned prices.

Hold-open devices with magnets are not approved for fire-rated doors used in outside applications.

Operators HDO 200 / HDO 300

For aluminium fire-rated doors

For single-leaf and double-leaf doors

T30

T60

T90

RS

General notices on using and equipping operators

See page 207

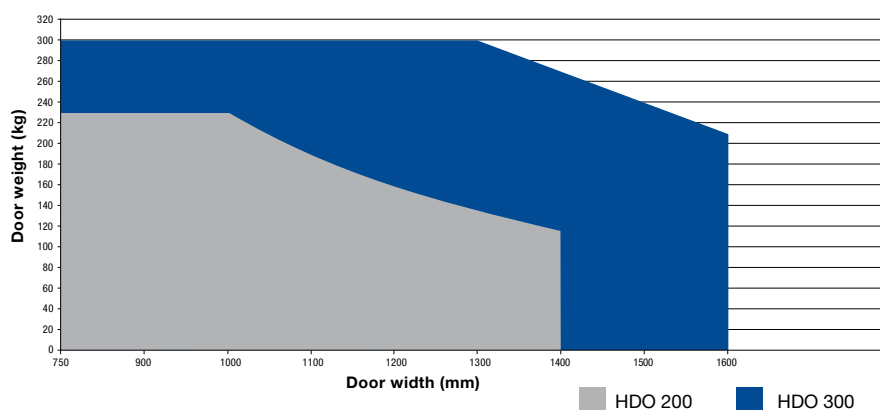
Package equipment complies with the valid standards for automatic hinged door operators DIN 18650 and EN 16005.
A safety analysis according to the Machinery Directive 2006/42/EC and DIN 18650 must be carried out before initial start-up.

Product description

✗ HDO 300 not possible for A/RS x50 and ES 50!

Scope of delivery:

- Operators and control elements separate in accessory pack
 - Mounting plate(s)
 - Electric strike and latch contact fitted in the door
 - Wiring prepared in the door for on-site connection
- A 50 mm extension profile is required for fitting hinged leaf operators to doors without a transom light for the pushing version (opposite hinge side) and two 50 mm extension profiles for the pulling version (hinge side)!
- For risk assessment in accordance with the appendix to the Machinery Directive and by reference to DIN 18650 / DIN EN 16005, you will need a detailed description of the on-site conditions near the door
- The version with hinged leaf operators requires a third hinge per leaf at the top, which must be taken into consideration in the calculation for T30 doors!



	HDO 200	HDO 300
Width	650 mm	720 mm
Height	70 mm	70 mm
Depth	121 mm	130 mm
Weight	9 kg	11 kg
Max. power input	0.15 kW	0.15 kW
Standby approx.	1 watt	1 watt
Door width	750–1400 mm	800–1600 mm
Door weight	Up to 200 kg	Up to 300 kg for 1400 mm door width Up to 210 kg for 1600 mm door width



Notices on versions and operator packages

Hörmann hinged leaf operators are available either as precisely defined packages including specified peripheral devices or separately as an operator with individual accessories.

Please note:

Electrical add-on parts such as electric strike and latch contact must be added to the package price.



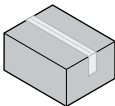
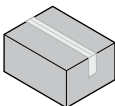


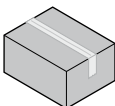
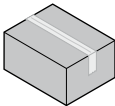
Operator package HDO "Economy"	Operator package HDO "Protect"	Operator HDO individual (equipment to choose) + individual accessories
Application: The simple solution for barrier-free passages, including precisely defined standard accessories.	Application: The convenient solution for particularly hygienic demands, including precisely defined standard accessories as well as non-contact switching elements.	Application: The individual solution for particularly high demands in construction projects.
Your advantage: Price saving compared to individual purchase	Your advantage: Price saving compared to individual purchase	Your advantage: Flexible design options based on a large selection of individual accessories

Hörmann hinged leaf operators				
	HDO 200 HDO 200 IS	HDO 200 R F HDO 200 R F IS	HDO 300 HDO 300 IS	HDO 300 R F HDO 300 R F IS
Suitable for:				
Fire-rated doors		●		●
Smoke-tight doors		●		●
Doors without requirement	●	●	●	●
Technical features				
Operator type	Electromechanical	Electromechanical	Electromechanical	Electromechanical
Integrated smoke sensor control		●		●
Dimensions	650 × 70 × 121 mm	650 × 70 × 121 mm	720 × 70 × 130 mm	720 × 70 × 130 mm
Connecting voltage	100–240 V AC	100–240 V AC	100–240 V AC	100–240 V AC
Control delay (max.)	20 seconds	20 seconds	20 seconds	20 seconds
Weight	9.0 kg	9.0 kg	11.7 kg	11.7 kg
Energy supply for external consumers	24 V DC, 1200 mA	24 V DC, 1200 mA	24 V DC, 1200 mA	24 V DC, 1200 mA
Operating temperature	-10 °C to +50 °C	-10 °C to +50 °C	-10 °C to +50 °C	-10 °C to +50 °C
Protection category (for dry rooms only)	IP20	IP20	IP30	IP30
Push & Go	Adjustable	Adjustable	Adjustable	Adjustable
Mains isolator	Plug-in cable connection	Plug-in cable connection	Main switch in the operator	Main switch in the operator
Automatic function	●	●	●	●
Low-energy function	●	●	●	●
Servo function	●	●	●	●

Hinged leaf operators HDO 200, HDO 300

Operator packages

For single-leaf and double-leaf fire-rated and smoke-tight doors

Operator packages for single-leaf fire-rated and smoke-tight doors		Package price incl. preparation €	
 		HDO 200 R F	HDO 300 R F
Package Economy 	Total price of package incl. basic equipment	6464	7642
	Operator package consisting of: <ul style="list-style-type: none"> Operator HDO incl. preparation with linkage or slide rail, silver-coloured surface finish, including: <ul style="list-style-type: none"> 2 x Flatscan safety sensor, silver (1 x for the opening side, 1 x for the closing side) Integrated smoke sensor control Release button HAT 02, white surface-mounted / recessed "Close door" and Hörmann white "Open door" button (surface-mounted / recessed). 	5890	7067
	Required basic equipment:		
	– 1 x electric strike I.S.T., FT 502B, 24 Volt AC / DC	472	472
	– 1 x latch switching contact, Link, 100 13 31, VDS class C, cable length 10 m	103	103
Package Protect 	Total price of package incl. basic equipment	6751	7929
	Operator package consisting of: <ul style="list-style-type: none"> Operator HDO incl. preparation with linkage or slide rail, silver-coloured surface finish, including: <ul style="list-style-type: none"> 2 x Flatscan safety sensor, silver (1 x for the opening side, 1 x for the closing side) Integrated smoke sensor control Non-contact radio radar button BiSecure, white surface finish Release button HAT 02, white surface-mounted / recessed "Close door" 	6176	7355
	Required basic equipment:		
	– 1 x electric strike I.S.T., FT 502B, 24 Volt AC / DC	472	472
	– 1 x latch switching contact, Link, 100 13 31, VDS class C, cable length 10 m	103	103
Operator packages for double-leaf fire-rated and smoke-tight doors		Package price incl. preparation €	
 		HDO 200 R F IS	HDO 300 R F IS
Package Economy 	Total price of package incl. basic equipment	12872	14797
	Operator package consisting of: <ul style="list-style-type: none"> Operator HDO incl. preparation with 3-part cover, with linkage or slide rail, silver-coloured surface finish, including: <ul style="list-style-type: none"> 4 x Flatscan safety sensor, silver (2 x for the opening side, 2 x for the closing side) Integrated smoke sensor control Release button HAT 02, white surface-mounted / recessed "Close door" and Hörmann white "Open door" button (surface-mounted / recessed). 	12053	13978
	Required basic equipment:		
	– 1 x electric strike I.S.T., FT 502B, 24 Volt AC / DC	472	472
	– 1 x electro duct 480	203	203
	– 1 x latch switching contact, Link, 100 13 31, VDS class C, cable length 10 m	103	103
Package Protect 	Total price of package incl. basic equipment	13330	15255
	Operator package consisting of: <ul style="list-style-type: none"> Operator HDO incl. preparation with 3-part cover, with linkage or slide rail, silver-coloured surface finish, including: <ul style="list-style-type: none"> 4 x Flatscan safety sensor, silver (2 x for the opening side, 2 x for the closing side) Integrated smoke sensor control Non-contact radio radar button BiSecure, white surface finish Release button HAT 02, white surface-mounted / recessed "Close door" 	12511	14436
	Required basic equipment:		
	– 1 x electric strike I.S.T., FT 502B, 24 Volt AC / DC	472	472
	– 1 x electro duct 480	203	203
	– 1 x latch switching contact, Link, 100 13 31, VDS class C, cable length 10 m	103	103
	– 1 x ECO dual locking	41	41

Hinged leaf operators HDO 200 F/R, HDO 300 F/R

Individual solutions

For single-leaf and double-leaf fire-rated and smoke-tight doors



Operators with linkage or slide rail, in EV 1			
HDO 200 R F, with integrated smoke sensor control	For single-leaf doors		4330
HDO 300 R F, with integrated smoke sensor control	For single-leaf doors		5588
HDO 200 R F IS with 3-part cover, with integrated smoke sensor control	For double-leaf doors		9140
HDO 300 R F IS with 3-part cover, with integrated smoke sensor control	For double-leaf doors		11212
RAL to choose			
Hinged leaf operator in version RAL to choose	Per operator		413
Safety sensors for single-leaf doors (optional)			
Flatscan, silver-coloured (black, white) for the opening and closing side to safeguard the door including secondary closing edge	2 × for single-leaf doors		2388
	4 × for double-leaf doors		4776
Flatscan 3D, silver-coloured (black, white) for the opening and closing side to safeguard the door including secondary closing edge	2 × for single-leaf doors		2782
	4 × for double-leaf doors		5564
Sensor strip GC 338	Length 1200 mm	Price per side	1403
Sensor strip GC 338	Length 1500 mm	Price per side	1989
Control elements			
"Close door" release button, white / red			70
Hörmann "Open door" button, white (surface-mounted / recessed)			91
Hörmann "Open door" flat button, white (surface-mounted)			133
Hörmann "Open door" flat button, stainless steel look (surface-mounted)			168
Hörmann "Open" large flat button, stainless steel look (recessed)			304
Hörmann "Open" large flat button, stainless steel look (surface-mounted)			353
Radio radar button (non-contact) FSR1 868-BS, white	Per side		176
Receiver HET / S24 868-BS			68
Push button with glass pane, white / red (surface-mounted / recessed)			133
Notice: Additional control elements as well as code buttons and radio buttons available on request			
Smoke detector			
Smoke detector type ORS 142 with fitting base 143 A for fitting to ceiling			294

Dorma operators

For aluminium and steel fire-rated doors

For single-leaf and double-leaf doors

T30

T60

T90

RS

General notices on using and equipping door closers

See page 56

Product description

Automatic hinged leaf operators (type-tested in accordance with DIN 18650) without electric installation.

Scope of delivery:

- Operators and control elements separate in accessory pack
- Mounting plate(s) (not required for ED 250)
- Electric strike and latch contact fitted in the door
- Wiring prepared in the door for on-site connection

► A 50 mm extension profile is required for fitting hinged leaf operators to doors without a transom light!

► For risk assessment in accordance with the appendix to the Machinery Directive and by reference to DIN 18650 / DIN EN 16005, you will need a detailed description of the on-site conditions near the door

► The version with hinged leaf operators requires a third hinge per leaf at the top, which must be taken into consideration in the calculation for T30 doors!



Operator on fitting side	Width (RAM)		Surcharge €
	Min.	Max.	

Dorma hinged leaf operator for single-leaf doors, silver-coloured surface finish

ED 250, pushing with standard linkage EV 1, including axle extension 30 mm and integrated smoke detector

- 1 x ED fire protection upgrade card 250
- ED cladding BASIC RM (integrated smoke detector)
- 1 x electric strike I.S.T., FT 502B, 24 Volt AC/DC
- 1 x latch switching contact, Link, 100 13 31, VDS class C, cable length 10 m
- Hörmann push button HAT 02

ED 250, pulling with slide rail EV 1 and integrated smoke detector

- 1 x ED fire protection upgrade card 250
- ED cladding BASIC RM (integrated smoke detector)
- 1 x electric strike I.S.T., FT 502B, 24 Volt AC/DC
- 1 x latch switching contact, Link, 100 13 31, VDS class C, cable length 10 m
- Hörmann push button HAT 02

Opposite hinge side	788	1488	4652
			792
			1196
			472
			103
			70
Hinge side	788	1488	4617
			792
			1196
			472
			103
			70



Operator on fitting side	Width (RAM)		Division dimension (RAM)	Surcharge €
	Min.	Max.	Min.-max.	

Dorma hinged leaf operator for double-leaf doors, silver-coloured surface finish

ED 250, pushing with standard linkage EV 1, including axle extension 30 mm with integrated mechanical door leaf selector (ED ESR set) and integrated smoke detector

- 2 x ED fire protection upgrade card 250
- ED cladding Vario M (integrated smoke detector)
- 1 x electric strike I.S.T., FT 502B, 24 Volt AC/DC
- 1 x latch switching contact, Link, 100 13 31, VDS class C, cable length 10 m
- Hörmann push button HAT 02
- 1 x electro duct 480
- 1 x ECO dual locking

ED 250, pulling with slide rail EV 1, with integrated mechanical door leaf selector (ED ESR set) and integrated smoke detector

- 2 x ED fire protection upgrade card 250
- ED cladding Vario M (integrated smoke detector)
- 1 x electric strike I.S.T., FT 502B, 24 Volt AC/DC
- 1 x latch switching contact, Link, 100 13 31, VDS class C, cable length 10 m
- Hörmann push button HAT 02
- 1 x electro duct 480
- 1 x ECO dual locking

Opposite hinge side	1588	2888	Min.: ≥ 788 Max.: ≤ 1488	10283
				1585
				2255
				472
				103
				70
				203
Hinge side	1538	2888	Min.: ≥ 788 Max.: ≤ 1488	41
				10210
				1585
				2255
				472
				103
				70

Operator accessories

	Surcharge €
Operator in RAL to choose	Per operator 541
Upgrade card DCW (required for use with SVP locks)	Per element 347
Package price for preparation for single-leaf operator, incl. electric strike and latch switching contact	1402
Package price for preparation for double-leaf operator, incl. electric strike, latch switching contact, electro duct 480 and ECO dual locking	2200

Actuation elements and safety equipment

For Dorma hinged leaf operators



Control elements (optional)				€ each
1	Radar movement detector with directional recognition, Prosecure OptiMotion Stereo, black / white / silver			517
2	Weather protective cover / ceiling bracket, black, for Prosecure OptiMotion Stereo			112
3	Remote control for Prosecure OptiMotion Stereo			393
4	Hörmann push button HAT 02			70
5	Hand button HT, recessed, one-pole, <i>Close door</i> white/red			77
6	Hand button HT, surface-mounted, one-pole, <i>Close door</i> , white/red, surface-mounted box not included			77
7	Hörmann "Open door" button, white (surface-mounted / recessed)			9
8	Hörmann "Open door" flat button, white (surface-mounted)			133
9	Hörmann "Open door" flat button, stainless steel look (surface-mounted)			168
10	Hörmann "Open" large flat button, stainless steel look (recessed)			304
11	Hörmann "Open" large flat button, stainless steel look (surface-mounted)			353
Safety equipment (optional)				€ each
Prosecure OptiSafe				
12	1 × Prosecure OptiSafe 700 mm	With 1 <i>silver</i> sensor module for fitting on the opposite hinge side	Package	2103
		With 1 <i>silver</i> sensor module and black linkage adapter for fitting on the hinge side		
		With 1 <i>black or white</i> sensor module for fitting on the opposite hinge side	Package	2186
		With 1 <i>black or white</i> sensor module and black linkage adapter for fitting on the hinge side		
		With 1 <i>special colour</i> sensor module for fitting on the opposite hinge side	Package	2299
		With 1 <i>special colour</i> sensor module and black linkage adapter for fitting on the hinge side		
13	1 × Prosecure OptiSafe 900 mm	With 1 <i>silver</i> sensor module for fitting on the opposite hinge side	Package	2186
		With 1 <i>silver</i> sensor module and black linkage adapter for fitting on the hinge side		
		With 1 <i>black or white</i> sensor module for fitting on the opposite hinge side	Package	2271
		With 1 <i>black or white</i> sensor module and black linkage adapter for fitting on the hinge side		
		With 1 <i>special colour</i> sensor module for fitting on the opposite hinge side	Package	2410
		With 1 <i>special colour</i> sensor module and black linkage adapter for fitting on the hinge side		
14	1 × Prosecure OptiSafe 1200 mm	With 1 <i>silver</i> sensor module for fitting on the opposite hinge side	Package	2271
		With 1 <i>silver</i> sensor module and black linkage adapter for fitting on the hinge side		
		With 1 <i>black or white</i> sensor module for fitting on the opposite hinge side	Package	2355
		With 1 <i>black or white</i> sensor module and black linkage adapter for fitting on the hinge side		
		With 1 <i>special colour</i> sensor module for fitting on the opposite hinge side	Package	2495
		With 1 <i>special colour</i> sensor module and black linkage adapter for fitting on the hinge side		
15	1 × Prosecure OptiSafe 1600 mm	With 2 <i>silver</i> sensor modules for fitting on the opposite hinge side	Package	3505
		With 2 <i>silver</i> sensor modules and black linkage adapter for fitting on the hinge side		
		With 2 <i>black or white</i> sensor modules for fitting on the opposite hinge side	Package	3589
		With 2 <i>black or white</i> sensor modules and black linkage adapter for fitting on the hinge side		
		With 2 <i>special colour</i> sensor modules for fitting on the opposite hinge side	Package	3757
		With 2 <i>special colour</i> sensor modules and black linkage adapter for fitting on the hinge side		
Accessories for Prosecure OptiSafe				€ each
16	Prosecure OptiSafe weather protective cover 1200 mm, transparent			126
17	Prosecure OptiSafe weather protective cover 1600 mm, transparent			162
18	Prosecure OptiSafe slave adapter			101
Flatscan safety sensor				€ per set
19	Flatscan, silver-coloured (black, white) for the opening and closing side to safeguard the door including secondary closing edge		2 × for single-leaf doors	2388
			4 × for double-leaf doors	4776
20	Flatscan 3D, silver-coloured (black, white) for the opening and closing side to safeguard the door including secondary closing edge		2 × for single-leaf doors	2782
			4 × for double-leaf doors	5564

Actuation elements and safety equipment

For Dorma hinged leaf operators

For single-leaf and double-leaf T30 and T90 doors

Finger trap protection on one side, for inside use			€
For automatic doors acc. to EN 16005, a minimum length of 2015 mm (opposite hinge side) is required. The maximum delivery length is 2500 mm.			No. 30
21	Finger trap protection, anodised silver, cloth in black	Each	559
22	Finger trap protection, RAL 9016, RAL 7016 or anodised stainless steel, cloth in black	Each	635
23	Finger trap protection, RAL 3020, RAL 6005, RAL 7030 and RAL 9006 Cloth in black	Each	693
24	Finger trap protection, anodised silver, cloth in yellow / black, bordeaux / black, blue / black, green / black, white / black	Each	604
25	Finger trap protection, RAL 9016, RAL 7016 or anodised stainless steel, cloth in yellow / black, bordeaux / black, blue / black, green / black, white / black	Each	681
26	Finger trap protection, RAL 3020, RAL 6005, RAL 7030 and RAL 9006 cloth in yellow / black, bordeaux / black, blue / black, green / black, white / black	Each	739
27	Finger trap protection, anodised silver, cloth in black	Per metre	321
28	Finger trap protection, RAL 9016, RAL 7016 or anodised stainless steel, cloth in black	Per metre	359
29	Finger trap protection, RAL 3020, RAL 6005, RAL 7030 and RAL 9006, cloth in black	Per metre	416
30	Finger trap protection, anodised silver, cloth in yellow / black, bordeaux / black, blue / black, green / black, white / black	Per metre	344
31	Finger trap protection, RAL 9016, RAL 7016 or anodised stainless steel, cloth in yellow / black, bordeaux / black, blue / black, green / black, white / black	Per metre	381
32	Finger trap protection, RAL 3020, RAL 6005, RAL 7030 and RAL 9006 cloth in yellow / black, bordeaux / black, blue / black, green / black, white / black	Per metre	439

► Not required when using a Flatscan safety sensor, see page 211

Finger trap protection for doors without operator	See page 212
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Good reasons to try Hörmann steel loft doors



Industrial style for living areas and workspaces

**Large glazings with
high-quality steel profiles**

HÖRMANN

Good reasons to try Hörmann steel tubular frame construction project doors



Particularly narrow door view

S-Line system

HÖRMANN

Product descriptions

for steel fire-rated tubular frame parts

Contents



Product description			From page
T30			
	T30-1 door HL 310 N- and S-Line	Single-leaf	216
	T30-2 door HL 320 N- and S-Line	Double-leaf	216
	F30 transom lights and side elements HL 330		217
T90			
	T90-1 door HL 910 F	Single-leaf	218
	T90-2 door HL 920 F	Double-leaf	218
	F90 transom lights and side elements HL 930 F		219
Smoke protection			
	S / RS 100 door N- and S-Line	Single-leaf	230
	S / RS 200 door N- and S-Line	Double-leaf	230
	S / RS 300 glazing		231

Steel fire-rated tubular frame construction project doors

With extensive glazing for interior use

Product description HL 310, HL 320, N-Line and S-Line

T30



Subject to changes

● Fast-track programme for steel fire-rated tubular frame construction project doors:

- Standard version with white surface (RAL 9016), with standard glazing and silver-coloured standard fittings.
- Marked accessories
- HL 310 (single-leaf):
 - Max. element height 2400 mm (with solid transom light 3400 mm)
 - Max. element width 1480 mm, with 1 side element 2400 mm, with 2 side elements 3400 mm
- HL 320 (double-leaf):
 - Max. element height 2400 mm (with solid transom light 3400 mm)
 - Max. element width 2400 mm, with 1 side element 3400 mm, with 2 side elements 4400 mm

Product description HL 310 (single-leaf) and HL 320 (double-leaf) (standard version, special equipment subject to surcharge)

Fire-retarding and ready-to-fit door set for **interiors**. Tested and officially approved for fitting to brickwork, concrete, gas concrete and F90 partition walls.

Each door assembly will be individually manufactured according to measurements.

Standard version

(Special equipment subject to surcharge)

① Hinges and closing devices

- Aluminium screw-on door hinges, three-way adjustable, single-leaf: min. 2 units, double-leaf: min. 4 units
- Security bolt: single-leaf: 2 units, double-leaf: 4 units
- Single-leaf: overhead door closer with slide rail acc. to DIN EN 1154
Double-leaf: 2 overhead door closers with slide rail acc. to DIN EN 1154 with integrated door leaf selector

② Fittings

- Tubular frame mortice lock prepared for profile cylinder (40.5 / 40.5), rose escutcheon thickness 7 mm
- With aluminium round lever handle set offset on both sides, with steel core, including cylinder rose escutcheons
- For double-leaf doors: fixed leaf with rebate locking bolt and switch latch

③ Seals

- All-round door seals
- Prepared for retractable bottom seal
- All-round glazing seals in glass rebate

④ Design

- Galvanized steel profiles, thermally protected by silicate boards

⑤ Visible surfaces

- Steel profiles, galvanized, primed or in RAL to choose (powder-coated)
- Flush-fitting

N-Line

- Viewed width of frame and leaf 168 mm
- Bottom section height 150 (84) mm
- Depth 60 mm

S-Line

- Viewed width of frame and leaf 134 mm
- Bottom section height 76 mm
- Depth 60 mm

⑥ Glazing

- Fire-proof glass F30, suitable as standard for internal applications
- Glazing bead on hinge and opposite hinge side, secured on hinge side
- Weight with standard glazing approx. 65 kg/m²

Size range (overall frame dimensions)

Single-leaf:

N-Line

- Min. 605 × 1740 mm
- Max. 1600 × 3020 mm

S-Line

- Min. 567 × 1721 mm
- Max. 1562 × 3001 mm

Double-leaf:

N-Line

- Min. 1355 × 1740 mm
- Max. 3050 × 3020 mm
- Traffic leaf width 500 – 1425 mm
- Fixed leaf width 500 – 1425 mm

S-Line

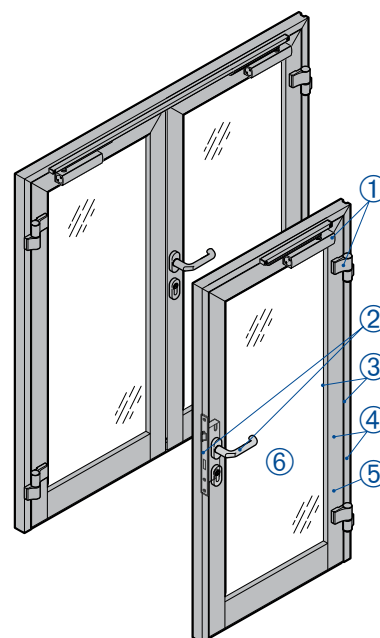
- Min. 1317 × 1721 mm
- Max. 3012 × 3001 mm
- Traffic leaf width 500 – 1425 mm
- Fixed leaf width 500 – 1425 mm

Maximum number of rails

- Vertical max. – 2 rails
- Horizontal max. – 3 rails

► Note the minimum overall width!

Larger RAM in width and height on request.



Fitting instructions:

A fourth fixing point is required from a door height of RAM 2352 mm.

Top locking in the traffic leaf is required from a door height of RAM 2500 mm.

- Door set divided symmetrically. Observe the minimum division dimensions!
- Indicate **division of leaves** on order if asymmetrically divided leaves are required.

Steel fire-rated fixed glazing

With extensive glazing for interior use

Product description HL 330 N-Line and S-Line

F30



Subject to changes

Fast-track programme for aluminium fire-rated tubular frame construction project doors for fixed glazing (for interior use only):

- Standard version with white surface (RAL 9016), with standard glazing.
- Max. element height 2400 mm (with solid transom light 3400 mm)
- Max. element width 2400 mm, with 1 side element 3400 mm, with 2 side elements 4400 mm
- Marked accessories

Transom light

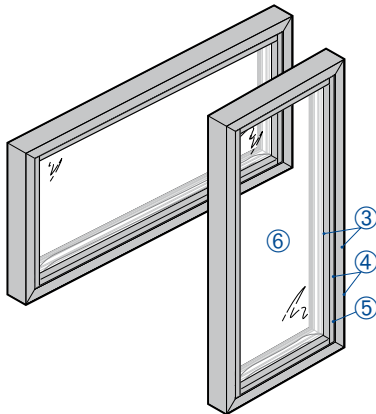
- Max. 2400 × 1000 mm
- Delivered as a door set:

Side element

- Max. 1400 × 2400 mm
- Delivered unconstructed

Product description HL 330 – transom light, side element or fixed glazing

Fire-retarding and smoke-tight F30 glazing for **interiors**, depending on equipment. Each glazing element will be individually manufactured according to measurements. Tested and officially approved for fitting to brickwork, concrete, gas concrete and F90 partition walls.



Size range (overall frame dimensions)

Transom light

- Min. 300 × 300 mm
- Max. 3000 × 1500 mm

Side element

- Min. 300 × 2010 mm
- Max. 6000 × 4500 mm
- Maximum number of rails:
 - Max. 3 vertical rails
 - Transom light max. 2 horizontal rails
 - Side element max. 4 horizontal rails

Larger RAM in width and height on request.

Depending on the glass selected, with glass-dividing rail.

With a glass ratio of > 1:10, a glass-dividing rail is required.

Standard version

(Special equipment subject to surcharge)

① Seals

- All-round glazing seals in glass rebate

② Design

- Galvanized steel profiles, thermally protected by inserted silicate boards

③ Visible surfaces

- Steel profiles, galvanized and primed or in RAL to choose (powder-coated)

N-Line

- Viewed frame width 84 mm
- Depth 60 mm
- Side element: bottom section height 150 (84) mm

S-Line

- Viewed frame width 65 mm
- Bottom section height 76 mm
- Depth 60 mm
- Side element: bottom section height 76 mm

④ Glazing

- Fire-proof glass F30, suitable as standard for internal applications
- Glazing bead on both sides, secured on one side
- Weight with standard glazing approx. 55 kg/m²

Steel fire-rated tubular frame construction project doors

With extensive glazing for interior use

T90



Product description HL 910 F and HL 920 F

Subject to changes

Product description HL 910 F (single-leaf) and HL 920 F (double-leaf) (standard version, special equipment subject to surcharge)

Standard version with white surface (RAL 9016), with standard glazing.

Fire-retarding and ready-to-fit door set for **interiors**. Tested and officially approved for fitting to brickwork, concrete, 240 mm gas concrete, F90 partition walls and F90 clad steel components.

Each door assembly will be individually manufactured according to measurements.

Standard version

(Special equipment subject to surcharge)

① Hinges and closing devices

- Steel weld-on guide rollers, single-leaf: 3 units, double-leaf: min. 6 units
- Security bolt: single-leaf: 1 unit, double-leaf: 2 units
- Single-leaf: overhead door closer with slide rail acc. to DIN EN 1154
- Double-leaf: 2 overhead door closers with slide rail acc. to DIN EN 1154 with integrated door leaf selector

② Fittings

- Single-catch bolt lock with additional latch to the top, prepared for profile cylinder (45.5 / 45.5), rose escutcheon thickness 7 mm
- With aluminium round lever handle set offset on both sides, with steel core, including cylinder rose escutcheons

③ Seals

- All-round door seals
- Prepared for retractable bottom seal
- Wet glazing with glazing tape

④ Design

- Galvanized steel profiles, thermally protected by a fire-proof intermediate layer

⑤ Visible surfaces

- Galvanized steel profiles, primed or RAL to choose (powder-coated)
- Flush-fitting
- Viewed width of frame and leaf 130 mm
- Bottom section height 90 mm
- Depth 70 mm

⑥ Glazing

- Fire-proof glass F90, suitable as standard for internal applications
- Glazing bead on hinge side
- The glass is off-centre in the frame profile
- Weight with standard glazing approx. 124 kg/m²

Note:

Fire-proof glass (panel) is delivered in a crate.

Size range (overall frame dimensions)

Single-leaf:

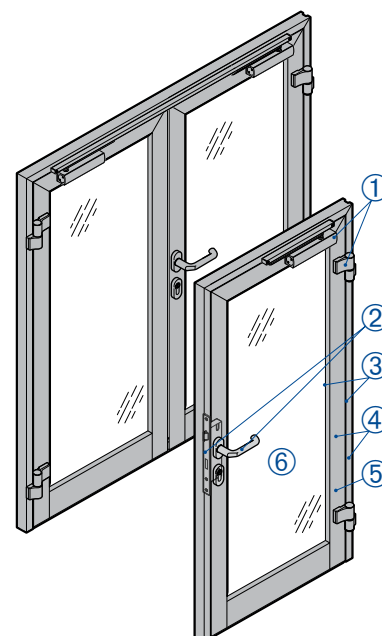
- Min. 700 × 1795 mm
- Max. 1540 × 2570 mm

Double-leaf:

- Min. 1400 × 1795 mm
- Max. 2490 × 2570 mm
- Traffic leaf width 620 – 1260 mm
- Fixed leaf width 400 – 1260 mm

Minimum leaf dimensions with anti-panic function:

- Traffic leaf width 800 mm
- Fixed leaf width 800 mm



Steel fire-rated fixed glazing

With extensive glazing for interior use

Product description HL 930 F

F90



Subject to changes

Product description HL 930 F – transom light, side element or fixed glazing

Fire-retarding and smoke-tight F90 glazing for **interiors**, depending on equipment. Each glazing element will be individually manufactured according to measurements. Tested and officially approved for fitting to brickwork, concrete, 240 mm gas concrete, F90 partition walls and F90 clad steel components.

Each glazing element will be individually manufactured according to measurements.

Standard version

(Special equipment subject to surcharge)

① Seals

Transom light

- All-round glazing seals in glass rebate

② Design

- Galvanized steel profiles, thermally protected by a fire-proof intermediate layer

③ Visible surfaces

- Galvanized steel profiles, primed
- Flush-fitting
- Viewed frame width 70 mm
- Depth 70 mm
- Side element: bottom section height 90 (70) mm

④ Glazing

- Fire-proof glass F90, suitable as standard for internal applications
- Glazing bead on hinge side
- The glass is off-centre in the frame profile
- Weight with standard glazing approx. 112 kg/m²

Size range (overall frame dimensions)

Transom light

- Min. 300 × 300 mm
- Max. 2460 × 1500 mm

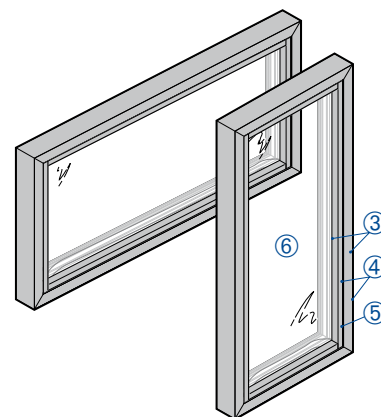
Side element

- Min. 300 × 2000 mm
- Max. 4000 × 4000 mm

Larger RAM in width and height on request.

Depending on the glass selected, with glass-dividing rail.

With a glass ratio of > 1:10, a glass-dividing rail is required.



Note:

The fire-proof glass (panel) is delivered in a crate.

Good reasons to try Hörmann aluminium tubular frame construction project doors



Up to
55 mm
wider clear
passage width

Elegant door view without visible frame face

Frame without face

* compared to door version with fascia frame

HÖRMANN

General order information

Door closer systems / colour of fittings

General information

General order information

- All door assemblies are made to order.
- Doors and side element or transom light combinations are designed as a coupling construction and open inwards as standard (glazing beads on the hinge side). Please note any surcharges.
- The ordering size is always the overall frame dimension (RAM).
- The prices indicated in this price list are generally surcharges and are only valid in conjunction with a door order.
- The glass is supplied separate as standard but optional fitting of the infill in the leaf at the factory is possible at a surcharge. An additional delivery time of 1 week must be taken into account in this case.
- Double-leaf doors with frame without face are only supplied without glass (glass separate).

Duty categories of doors

DIN EN 1192	Class 3	Doors – classification of strength requirements	Usage category: high to extreme
DIN EN 12217	Class 3	Doors – operating forces – requirements and classification	
DIN EN 12400	Class 6	Windows and doors – mechanical load	Load: frequent
DIN EN 13049	Class 1	Load with a soft, heavy impact	
DIN EN 1935	Class 14	Building hardware – single axis door and window hinges	Usage: very high (Dr. Walter Hahn hinges)

Notes on door closers

- The surcharges listed for door closers are only valid in conjunction with a door order. Prices for separate delivery on request.

Notes on door closers as hold-open devices

- Hold-open devices are suitable for holding open single- and double-leaf fire-rated and smoke-tight doors.
- Hold-open devices consist of a locking device, a smoke detector and a release device with power supply.
- The smoke switch control units of the respective manufacturer must be used with hold-open devices.
- Planning for a hold-open device is done in accordance with the DIBt decision-making diagram.
- Use of hold-open devices for fire-rated and smoke-tight doors has to be officially approved by the authorities. An acceptance test by authorised personnel is mandatory before initial start-up.
- Depending on local requirements, more than 1 smoke detector may be necessary. These must be additionally ordered.
- All of the following prices for door closers / hinged leaf operators do not include fitting, electric installation or initial start-up. (Prices on request)
- When using hinged leaf operators, a security analysis must be carried out on site in accordance with DIN 18650 / DIN EN 16005. This analysis may determine that optional extras are necessary. An appropriate checklist can be downloaded at www.hoermann.de or sent on request.
- Fitting parts such as overhead door closers, operators, lever handles and handles are delivered separately

Steel fire-rated doors

With extensive glazing

Product overview

Subject to changes

Clear passage

HL 310 / HL 320 N-Line (tubular frame construction)

N-Line – deduction dimensions for clear passage width at 90° open door leaf without lever handles and handles

	Single-leaf HL 310	Double-leaf HL 320 entire door	Single-leaf HL 310		Double-leaf HL 320 entire door		Double-leaf HL 320 traffic leaf	Double-leaf HL 320 traffic leaf vertical profile construction
			Vertical profile construction		Vertical profile construction			One-sided
			One-sided	On both sides	One-sided	On both sides		One-sided
	(= RAM minus dim. stated below)		(= division dim. minus dim. stated below)					
Aluminium door hinge with pivot point 20 mm	– 218 mm	– 268 mm	– 187 mm	– 155 mm	– 237 mm	– 205 mm	– 145 mm	– 114 mm
Aluminium door hinge with pivot point 36 mm	– 234 mm	– 300 mm	– 203 mm	– 171 mm	– 269 mm	– 237 mm	– 161 mm	– 130 mm
Steel guide roller weld-on hinge with pivot point 12 mm	– 215 mm	– 262 mm	– 184 mm	– 152 mm	– 230 mm	– 198 mm	– 142 mm	– 110 mm
Steel guide roller screw-on door hinge with pivot point 13 mm	– 217 mm	– 266 mm	– 186 mm	– 154 mm	– 234 mm	– 202 mm	– 144 mm	– 112 mm

- The values for the vertical profile constructions are based on a **105 mm** vertical rail (no difference if opening inwards or opening outwards)

N-Line – deduction dimensions for clear passage height

Calculation with retractable bottom seal	Single-leaf HL 310	Double-leaf HL 320	Single-leaf HL 310	Double-leaf HL 320
			Horizontal profile construction	Horizontal profile construction
	(= RAM minus dim. stated below)		(= division dim. minus dim. stated below)	
Opening inwards	– 84 mm	– 84 mm	– 53 mm	– 53 mm
Opening outwards	– 84 mm	– 84 mm	– 53 mm	– 53 mm

HL 310 / HL 320 S-Line (tubular frame construction)

S-Line – deduction dimensions for clear passage width at 90° open door leaf without lever handles and handles

	Single-leaf HL 310	Double-leaf HL 320 entire door	Single-leaf HL 310		Double-leaf HL 320 entire door		Double-leaf HL 320 traffic leaf	Double-leaf HL 320 traffic leaf vertical profile construction
			Vertical profile construction		Vertical profile construction			One-sided
			One-sided	On both sides	One-sided	On both sides		One-sided
	(= RAM minus dim. stated below)		(= division dim. minus dim. stated below)					
Aluminium door hinge with pivot point 20 mm	– 180 mm	– 230 mm	– 160 mm	– 140 mm	– 210 mm	– 190 mm	– 126 mm	– 106 mm
Aluminium door hinge with pivot point 36 mm	– 196 mm	– 262 mm	– 176 mm	– 156 mm	– 242 mm	– 222 mm	– 142 mm	– 122 mm
Steel guide roller weld-on hinge with pivot point 12 mm	– 179 mm	– 227 mm	– 159 mm	– 137 mm	– 207 mm	– 187 mm	– 125 mm	– 105 mm
Steel guide roller screw-on door hinge with pivot point 13 mm	– 179 mm	– 227 mm	– 159 mm	– 139 mm	– 207 mm	– 187 mm	– 125 mm	– 105 mm

- The values for the vertical profile constructions are based on a **105 mm** vertical rail (no difference if opening inwards or opening outwards)

S-Line – deduction dimensions for clear passage height

Calculation with retractable bottom seal	Single-leaf HL 310	Double-leaf HL 320	Single-leaf HL 310	Double-leaf HL 320
			Horizontal profile construction	Horizontal profile construction
	(= RAM minus dim. stated below)		(= division dim. minus dim. stated below)	
Opening inwards	– 65 mm	– 65 mm	– 45 mm	– 45 mm
Opening outwards	– 65 mm	– 65 mm	– 45 mm	– 45 mm

- In the version with a semi-circular threshold, the clear passage height is reduced by an additional **5 mm**

Steel fire-rated doors

With extensive glazing

Product overview

Subject to changes

Clear passage

Steel T90 FS

Steel T90 FS F

Deduction dimensions for clear passage width at 90° open door leaf without lever handles and handles

	Single-leaf HL 910 F	Double-leaf HL 920 F	Single-leaf HL 910 F		Double-leaf HL 920 F		Double-leaf HL 920 F traffic leaf	Double-leaf HL 920 F traffic leaf vertical profile construction
			Vertical profile construction		Vertical profile construction			One-sided
	(= RAM minus dim. stated below)		One-sided	On both sides	One-sided	On both sides		One-sided
3-way adjustable hinge, pivot point 20 mm	- 196 mm	- 252 mm	- 171 mm	- 146 mm	- 227 mm	- 202 mm	- 146 mm	- 121 mm
3-way adjustable hinge, pivot point 36 mm	- 212 mm	- 284 mm	- 187 mm	- 162 mm	- 259 mm	- 234 mm	- 162 mm	- 137 mm
Guide roller, fitting by welding, pivot point 17 mm	- 194 mm	- 248 mm	- 169 mm	- 144 mm	- 223 mm	- 198 mm	- 144 mm	- 119 mm

Steel T90 FS F – deduction dimensions for clear passage height

Calculation with retractable bottom seal	Single-leaf HL 910 F	Double-leaf HL 920 F	Single-leaf HL 910 F	Double-leaf HL 920 F
	(= RAM minus dim. stated below)		Horizontal profile construction	Horizontal profile construction
Opening inwards	- 70 mm	- 70 mm	- 45 mm	- 45 mm
Opening outwards	- 70 mm	- 70 mm	- 45 mm	- 45 mm

Minimum leaf dimensions for double-leaf doors acc. to DIN EN 1125

Hinges	Minimum fixed leaf width	Minimum traffic leaf width	Leaf communicator
Concealed hinge with pivot point 9.5 mm	500 mm	500 mm	215 mm (BKS 17897-01)
Steel guide roller weld-on hinge with pivot point 12 mm or screw-on door hinge with pivot point 13 mm	600 mm	700 mm	215 mm (BKS 17897-01)
Steel guide roller weld-on hinge with pivot point 12 mm or screw-on door hinge with pivot point 13 mm	600 mm	700 mm	215 mm (BKS 17897-01)
Guide roller, fitting by welding, pivot point 17 mm	850 mm	850 mm	215 mm (BKS 17897-01)
Aluminium door hinge with pivot point 36 mm	Cannot be used	Cannot be used	–

Powder coating on fire-rated doors

Available surface finishes

Standard colour

Powder-coated interior and exterior in RAL 9016 Traffic white

Preferred colours

Powder-coated interior and exterior in the following listed surface finishes:

- RAL 3000 Fire red
- RAL 7016 Anthracite grey
- RAL 9002 Grey white
- RAL 9005 Jet black
- RAL 9006 White aluminium
- RAL 9007 Grey aluminium

- DB 703 Anthracite

RAL to choose

Powder-coated interior and exterior in RAL to choose

Special colours

Pearl colours, Sikkens colours, NCS, textured paint and pearl-effect colours.

Gloss levels:

- All colours are delivered in matt (gloss level 35 ± 5) as standard
- Special gloss levels (gloss level 75 ± 10) or high-gloss (gloss level > approx. 85, gloss points according to ISO 2813, 60 degree measuring angle) are available to order

Colouring of steel hollow profiled section doors			
Colour version	Colour version for supplied standard accessories		
Door	Overhead door closers	Hinges	Lever handles
RAL 9016	Silver-coloured	E6 / EV 1	Aluminium
Preferred colours	Silver-coloured	E6 / EV 1	Aluminium
RAL and special colours	Silver-coloured	E6 / EV 1	Aluminium

(Deviations from the standard are available for a surcharge)

T30 steel fire-rated doors

With extensive glazing

Product overview

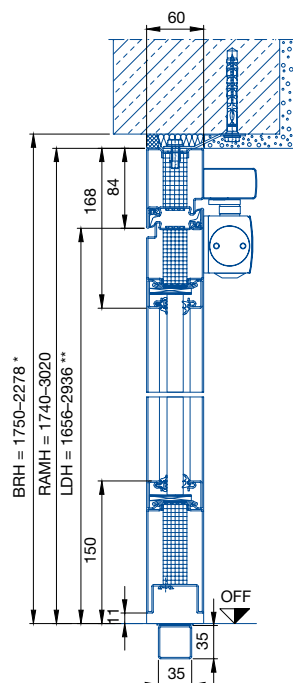
T30



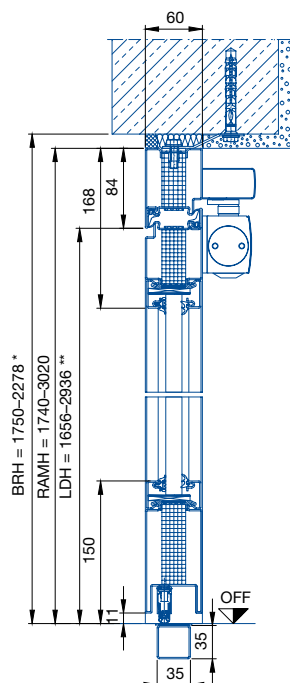
Subject to changes

Fitting dimensions T30

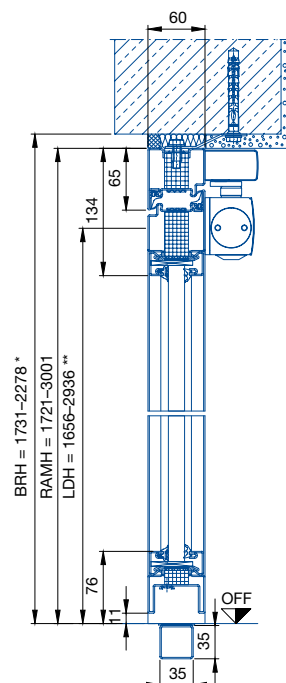
HL 310 / 320 steel



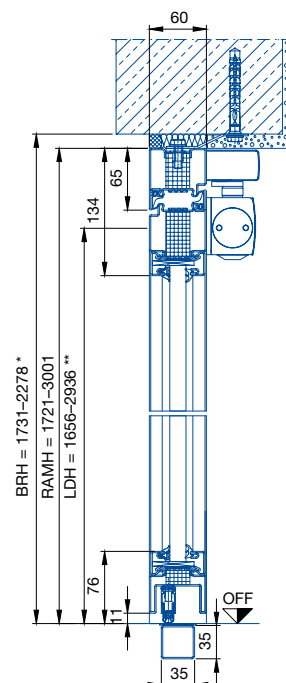
HL 310 / 320 steel
with smoke-tight properties



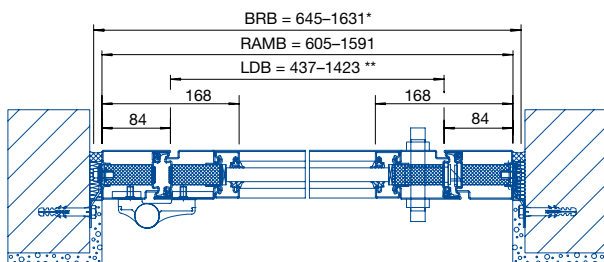
HL 310 / 320 steel S-Line



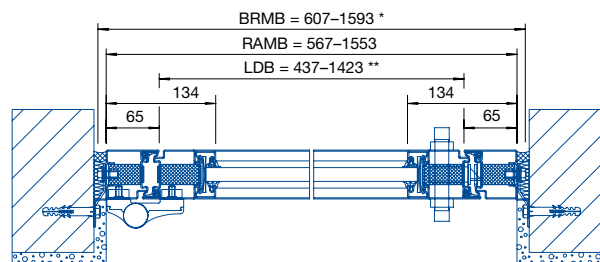
HL 310 / 320 steel S-Line
with smoke-tight properties



HL 310
Steel



HL 310
Steel S-Line



* With frame type

** See page 222 – clear passage

BRM Nominal size
BRB Nominal width
BRH Nominal height
GE Glass recess
LDB Clear passage width
LDH Clear passage height

OFF Finished floor level
RAM Overall frame dimension
RAMB Overall frame width
RAMH Overall frame height

GF Traffic leaf
SF Fixed leaf
TUER Door
OL Transom light

T30 steel fire-rated doors

With extensive glazing

Product overview

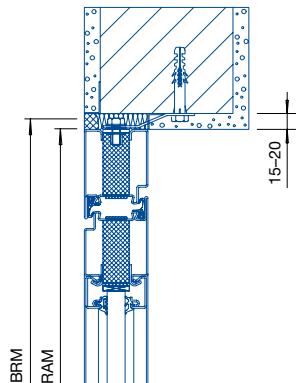
T30



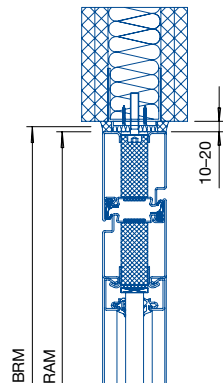
Subject to changes

Fitting methods for brickwork, concrete, gas concrete, partition walls (see the fitting instructions for further fitting methods)

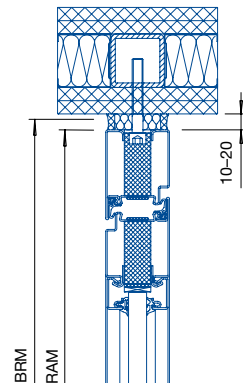
HL 310 / 320 / 330 steel, steel S-Line



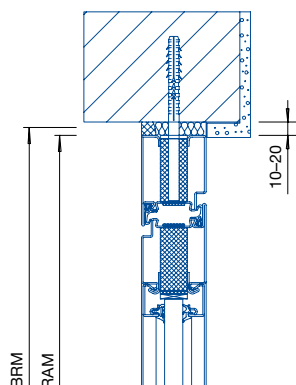
Anchor fitting
with dowel bracket



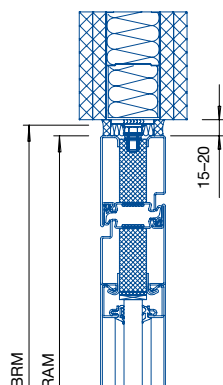
Screw fixing
Prefabricated walls



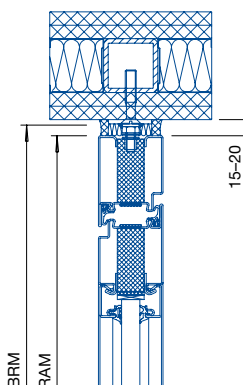
Screw fixing
Prefabricated walls



Through-plug fitting
Interior plaster

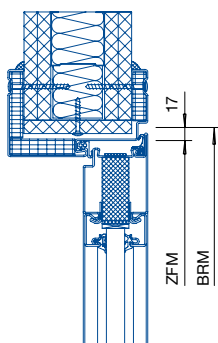


Fitting by welding
Prefabricated walls

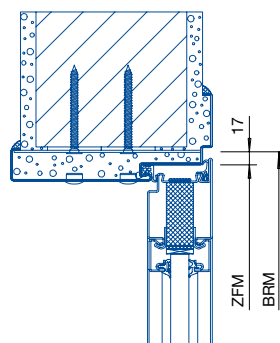


Fitting by welding
Prefabricated walls

HL 310 / 320 steel, steel S-Line with corner and profile frames



Screw fixing on profile frame for
prefabricated walls



Anchor fitting with concealed dowel
brackets on profile frame for solid walls

T90 steel fire-rated doors

With extensive glazing

Product overview

T90

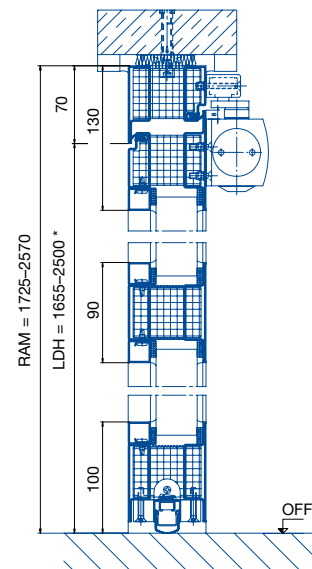
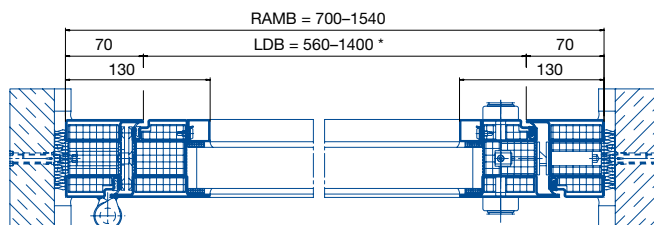


Subject to changes

Fitting dimensions T90

HL 910 F steel

HL 910 F / 920 F steel

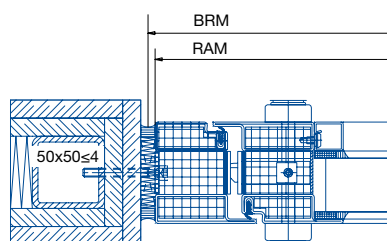


* See page 222 *Clear passage*

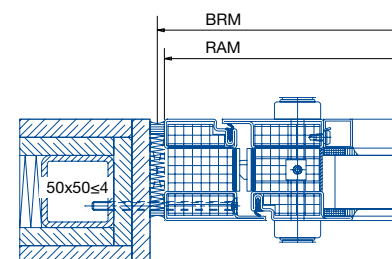
Fitting methods for brickwork, concrete, gas concrete, partition walls (see the fitting instructions for further fitting methods)

HL 910 F / 920 F / 930 F steel

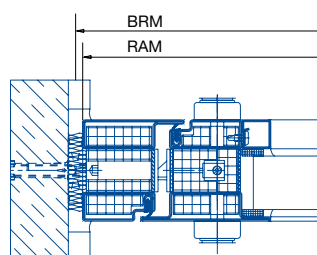
- For brickwork ≥ 240 mm (strength class ≥ 12)
- For concrete ≥ 140 mm (strength class $\geq B15$)
- For gas concrete ≥ 240 mm and F90 wall
- For F90 partition walls ≥ 100 mm



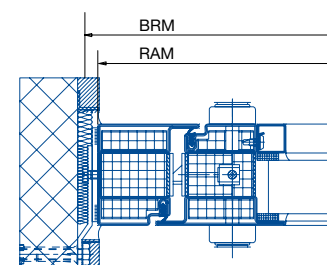
Through-plug fitting
Prefabricated walls



Through-plug fitting
Prefabricated walls, flush-fitting



Through-plug fitting
Concrete



Anchor fitting
Brickwork

BRM Nominal size
LDB Clear passage width
LDH Clear passage height
RAM Overall frame dimension
RAMB Overall frame width
RAMH Overall frame height

ZFM Frame hold dimension
GF Traffic leaf
SF Fixed leaf
TUER Door
OL Transom light

Statics for steel fire protection elements

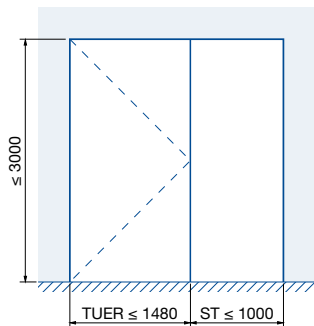
Notes on assemblies without additional statics profiles

HL 310, HL 320 and HL 330 (N-Line and S-Line)

This page will provide assistance in finding the simplest design for fire protection elements without the need to take statics into account. If the indicated maximum dimensions are complied with, the specified designs will not require any statics profiles.

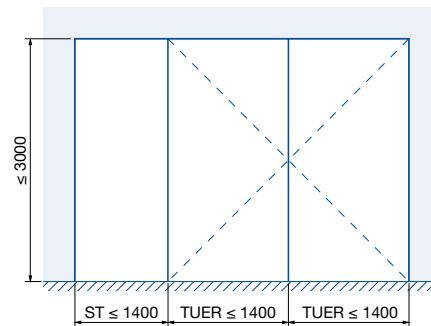
► **Larger dimensions must be checked using the Hörmann statics programme.**

HL 310 and HL 330 side element (vertical profile construction)



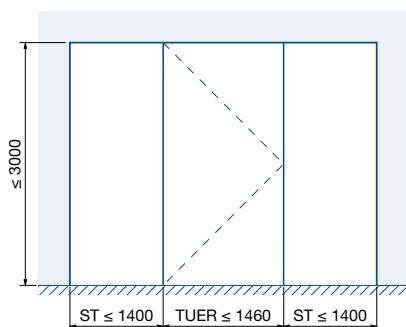
- Statics not required with these dimensions

HL 320 and HL 330 side element (vertical profile construction)



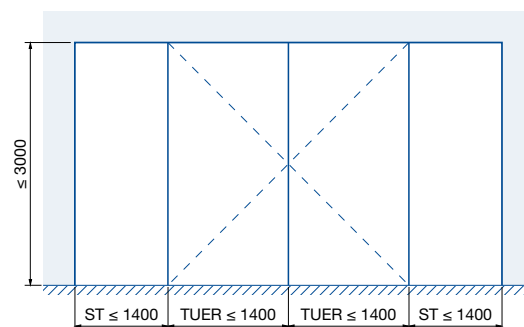
- Statics not required with these dimensions

HL 310 and HL 330 side elements (vertical profile construction)



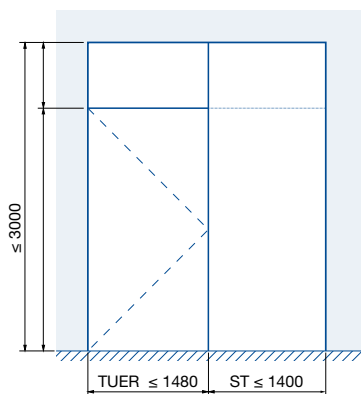
- Statics not required with these dimensions

HL 320 and HL 330 side elements (vertical profile construction)



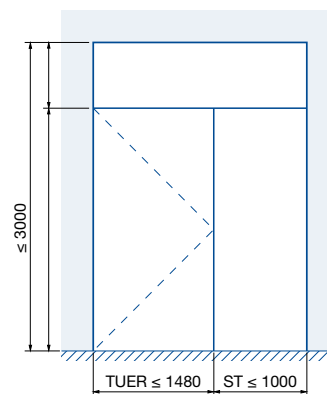
- Statics not required with these dimensions

HL 310, HL 330 continuous side element and HL 330 transom light (vertical / horizontal profile construction)



- Statics not required with these dimensions

HL 310, HL side element and HL 330 continuous transom light (vertical / horizontal profile construction)



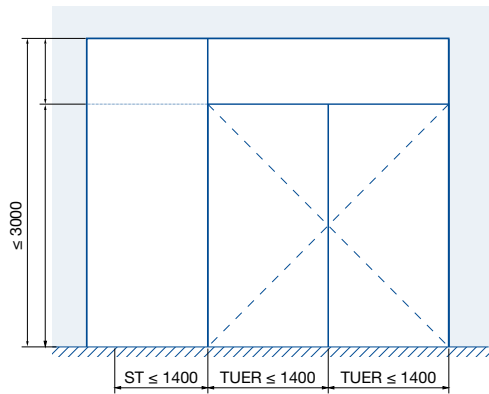
- Statics not required with these dimensions

Statics for steel fire protection elements

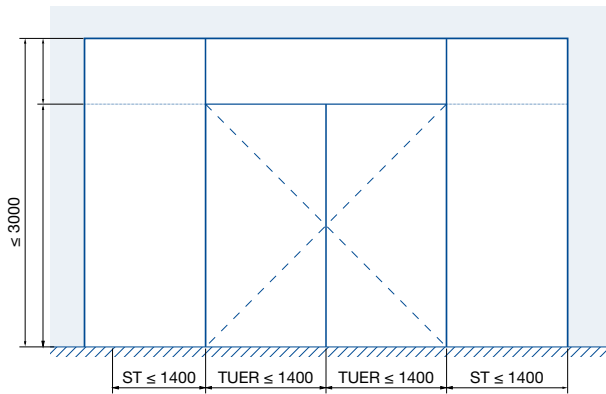
Notes on assemblies without additional statics profiles

HL 310, HL 320 and HL 330 (N-Line and S-Line)

HL 320 and HL 330 continuous side element and HL 330 transom light (vertical / horizontal profile construction)



- Statics not required with these dimensions



- Statics not required with these dimensions

Steel fire-rated tubular frame construction project doors

With fascia frame, for interior use



Product description S / RS 100 and S / RS 200

Subject to changes

Product description S/RS 100 N-Line and S-Line (single-leaf) and S / RS 200 (double-leaf) N-Line and S-Line

(Standard version, special equipment subject to surcharge)

Smoke-tight, ready-to-fit door set, tested in accordance with DIN 18095 for interiors.

Each door assembly will be individually manufactured according to measurements.

Standard version

(Special equipment subject to surcharge)

① Hinges and closing devices

- Sturdy hinges, three-way adjustable, single-leaf: 2 units, double-leaf: 4 units
- Security bolt: single-leaf: 2 units, double-leaf: 4 units
- Single-leaf: overhead door closer with slide rail acc. to DIN EN 1154
Double-leaf: 2 overhead door closers with slide rail acc. to DIN EN 1154 with integrated door leaf selector

② Fittings

- Tubular frame mortice lock without profile cylinder
- With aluminium round lever handle set offset on both sides, incl. cylinder rose escutcheon
- For double-leaf doors: fixed leaf with rebate locking bolt and switch latch

③ Seals

- All-round EPDM door seal
- Lip seal and aluminium semi-circular threshold as door bottom edge
- All-round seals in glass rebate

④ Design

- Galvanized steel tubular frame, primed or RAL to choose (powder-coated)

⑤ Visible surfaces

- Steel profiles powder-coated or anodised
- Flush-fitting

N-Line

- Viewed width (frame and leaf) 168 mm
- Bottom section height 150 (84) mm
- Depth 60 mm

S-Line

- Viewed width (frame and leaf) 134 mm
- Bottom section height 76 mm
- Depth 60 mm

⑥ Glazing

- Laminated safety glass 8 mm
- Glazing bead on hinge and opposite hinge side, secured on one side
- Weight with standard glazing approx. 35 kg/m²

S-Line

- With fascia frame:
 - Min. 605 × 1740 mm
 - Max. 1500 × 3020 mm
- With steel frame:
 - Min. 539 × 1707 mm
 - Max. 1434 × 2968 mm

Double-leaf:

N-Line

- With fascia frame:
 - Min. 1355 × 1759 mm
 - Max. 2890 × 3020 mm
- With steel frame:
 - Min. 1251 × 1707 mm
 - Max. 2786 × 2967 mm
 - Traffic leaf 500 – 1425 mm
 - Fixed leaf 500 – 1425 mm

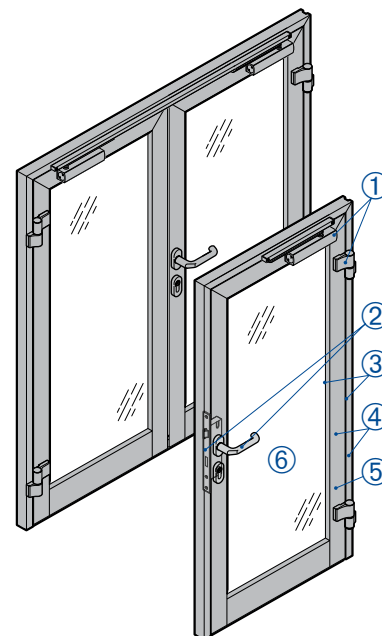
S-Line

- With fascia frame:
 - Min. 1317 × 1740 mm
 - Max. 2852 × 3001 mm
- With steel frame:
 - Min. 1251 × 1707 mm
 - Max. 2786 × 2968 mm
 - Traffic leaf 500 – 1425 mm
 - Fixed leaf 500 – 1425 mm

Maximum number of rails

- Vertical max. – 2 rails
- Horizontal max. – 3 rails

► Note the minimum overall width!



Size range (overall frame dimensions)

Single-leaf:

N-Line

- With fascia frame:
 - Min. 643 × 1759 mm
 - Max. 1538 × 3020 mm
- With steel frame:
 - Min. 539 × 1707 mm
 - Max. 1434 × 2968 mm

Steel smoke protection tubular frame

With extensive glazing for interior use

Product description S / RS 300

RS



Subject to changes

Product description S/RS 300 – transom light, side element or fixed glazing

(Standard version, special equipment subject to surcharge)

Smoke-tight, ready-to-fit door set, tested in accordance with DIN 18095 for **interiors**.

Each fixed glazing will be individually manufactured according to measurements.

Standard version

(Special equipment subject to surcharge)

① Seals

- All-round EPDM glazing seal

② Design

- Galvanized steel tubular frame, primed or RAL to choose (powder-coated), flush-fitting

③ Visible surfaces

- Galvanized steel profiles, primed
- Flush-fitting

N-Line

- Viewed width 84 mm
- Depth 60 mm

S-Line

- Viewed width 65 mm
- Depth 60 mm

④ Glazing

- Laminated safety glass 8 mm
- Glazing bead on both sides, secured on one side
- Weight with standard glazing approx. 35 kg/m²

Size range (overall frame dimensions)

Transom light

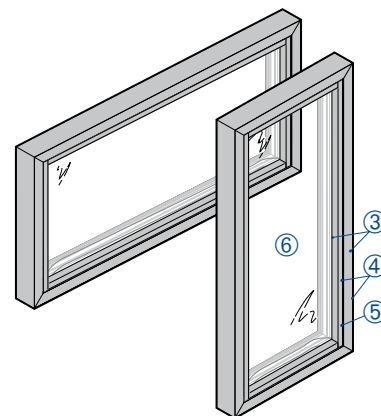
- Vertical or horizontal format without rail division
- Min. 300 × 300 mm
- Max. depending on glass type

Side element

- As indicated in the price grid

Larger RAM in width and height on request.

Depending on the glass selected, with glass-dividing rail.



Note:

The fire-proof glass (panel) is delivered in a crate.

Steel smoke-tight door assemblies

With extensive glazing

Product overview



Clear passage

S/RS 100, S/RS 200 standard (tubular frame construction)

Standard deduction dimensions for clear passage width at 90° open door leaf without lever handles and handles

	Single-leaf S/RS 100	Double-leaf S/RS 200 entire door	Single-leaf S/RS 100		Double-leaf S/RS 200 entire door		Double-leaf S/RS 200 traffic leaf	Double-leaf S/RS 200 traffic leaf vertical profile construction
			Vertical profile construction		Vertical profile construction			
			One-sided	On both sides	One-sided	On both sides		
	(= RAM minus dim. stated below)	(= division dim. minus dim. stated below)						
Aluminium door hinge with pivot point 20 mm	– 218 mm	– 268 mm	– 187 mm	– 155 mm	– 237 mm	– 205 mm	– 145 mm	– 114 mm
Aluminium door hinge with pivot point 36 mm	– 234 mm	– 300 mm	– 203 mm	– 171 mm	– 269 mm	– 237 mm	– 161 mm	– 130 mm
Steel guide roller weld-on hinge with pivot point 12 mm	– 215 mm	– 262 mm	– 184 mm	– 152 mm	– 230 mm	– 198 mm	– 142 mm	– 110 mm
Steel guide roller screw-on door hinge with pivot point 13 mm	– 217 mm	– 266 mm	– 186 mm	– 154 mm	– 234 mm	– 202 mm	– 144 mm	– 112 mm

- The values for the vertical profile constructions are based on a **105 mm** vertical rail (no difference if opening inwards or opening outwards)

Standard deduction dimensions for clear passage height

Calculation with retractable bottom seal	Single-leaf S/RS 100	Double-leaf S/RS 200	Single-leaf S/RS 100	Double-leaf S/RS 200
			Horizontal profile construction	Horizontal profile construction
	(= RAM minus dim. stated below)		(= division dim. minus dim. stated below)	
Opening inwards	- 84 mm	- 84 mm	- 53 mm	- 53 mm
Opening outwards	- 84 mm	- 84 mm	- 53 mm	- 53 mm

S/RS 100, S/RS 200 S-Line (tubular frame construction)

S-Line – deduction dimensions for clear passage width at 90° open door leaf without lever handles and handles

	Single-leaf S/RS 100	Double-leaf S/RS 200 entire door	Single-leaf S/RS 100		Double-leaf S/RS 200 entire door		Double-leaf S/RS 200 traffic leaf	Double-leaf S/RS 200 traffic leaf vertical profile construction
			Vertical profile construction		Vertical profile construction			
			One-sided	On both sides	One-sided	On both sides		
	(= RAM minus dim. stated below)	(= division dim. minus dim. stated below)						
Aluminium door hinge with pivot point 20 mm	– 180 mm	– 230 mm	– 160 mm	– 140 mm	– 210 mm	– 190 mm	– 126 mm	– 106 mm
Aluminium door hinge with pivot point 36 mm	– 196 mm	– 262 mm	– 176 mm	– 156 mm	– 242 mm	– 222 mm	– 142 mm	– 122 mm
Steel guide roller weld-on hinge with pivot point 12 mm	– 179 mm	– 227 mm	– 159 mm	– 137 mm	– 207 mm	– 187 mm	– 125 mm	– 105 mm
Steel guide roller screw-on door hinge with pivot point 13 mm	– 179 mm	– 227 mm	– 159 mm	– 139 mm	– 207 mm	– 187 mm	– 125 mm	– 105 mm

- The values for the vertical profile constructions are based on a **90 mm** vertical rail (no difference if opening inwards or opening outwards)

S-Line – deduction dimensions for clear passage height

Calculation with retractable bottom seal	Single-leaf S/RS 100	Double-leaf S/RS 200	Single-leaf S/RS 100	Double-leaf S/RS 200
			Horizontal profile construction	Horizontal profile construction
	(= RAM minus dim. stated below)		(= division dim. minus dim. stated below)	
Opening inwards	- 65 mm	- 65 mm	- 45 mm	- 45 mm
Opening outwards	- 65 mm	- 65 mm	- 45 mm	- 45 mm

Good reasons to try Hörmann
steel and aluminium tubular frame
construction project doors



Up to
73 mm
wider clear
passage width

Maximum clear passage width

Steel profile frame

* compared to door version with fascia frame

HÖRMANN

Steel smoke-tight door assemblies

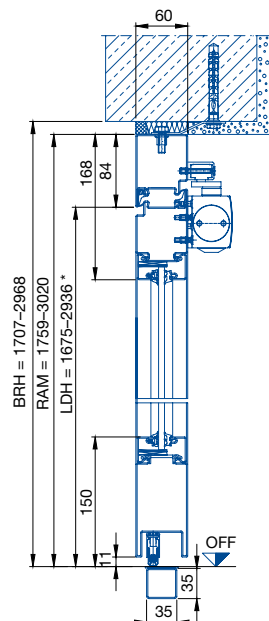
With extensive glazing

Product overview

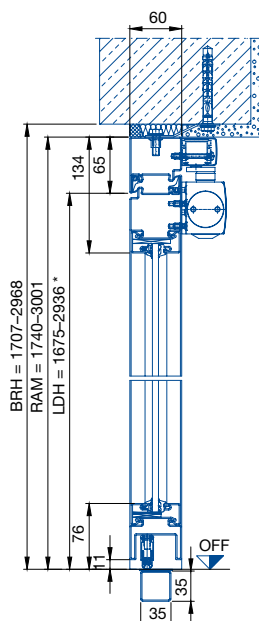


Fitting dimensions

S / RS 100/200 steel

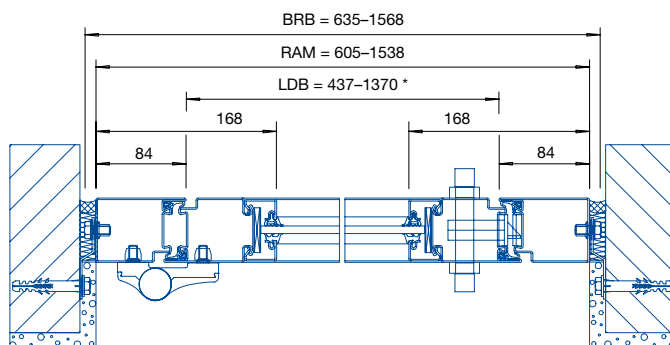


S / RS 100/200 steel S-Line

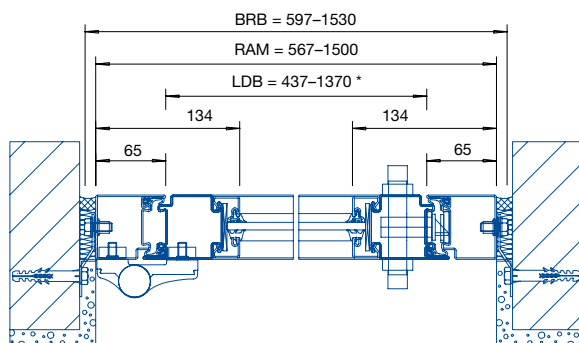


* See page 222 – clear passage

S / RS 100 steel



S / RS 100 steel S-Line



ca.	Approx.
BRB	Nominal width
BRH	Nominal height
BRM	Nominal size
EBB	Fitting area width
EBH	Fitting area height
GE	Glass recess
LDB	Clear passage width
LDH	Clear passage height
OFF	Finished floor level
RAM	Overall frame dimension

Steel smoke-tight door assemblies

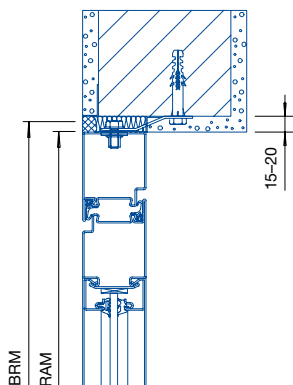
With extensive glazing

Product overview

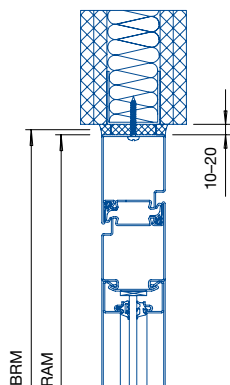


Fitting methods for brickwork, concrete, gas concrete, partition walls (see the fitting instructions for further fitting methods)

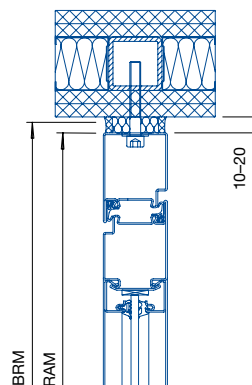
S / RS 100 / 200 / 300 / steel, steel S-Line



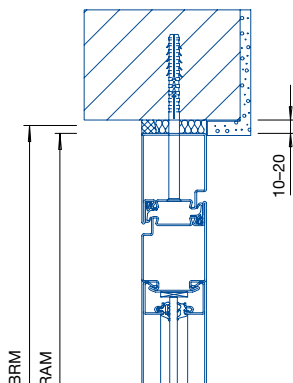
Anchor fitting
with dowel bracket



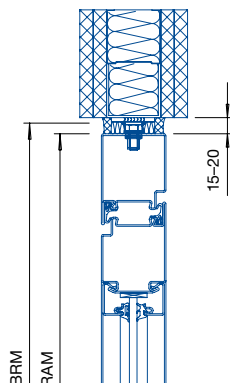
Screw fixing
Prefabricated walls



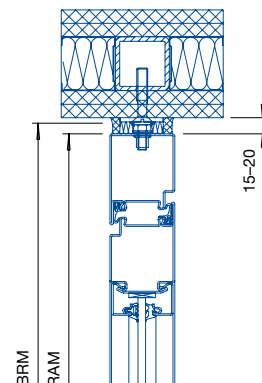
Screw fixing
Prefabricated walls



Through-plug fitting
Interior plaster

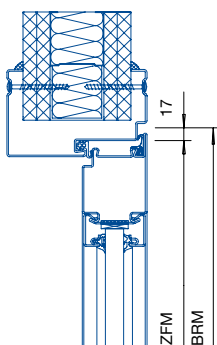


Fitting by welding
Prefabricated walls

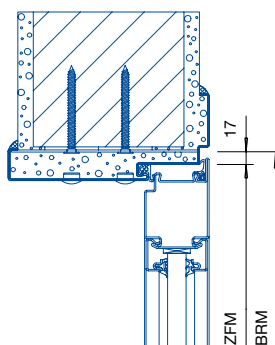


Fitting by welding
Prefabricated walls

**S / RS 100 / 200 / steel, steel S-Line
with corner and profile frames**



Screw fixing on profile frame for prefabricated
walls



Anchor fitting with concealed dowel brackets
on profile frame for solid walls

Statics for steel smoke-tight door sets

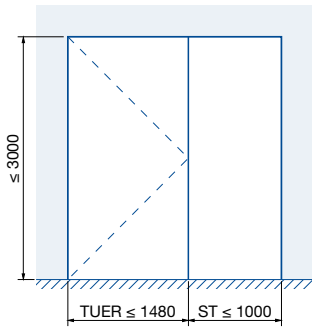
Notes on assemblies without additional statics profiles

S / RS 100, S / RS 200 and S / RS 300 (N-Line and S-Line)

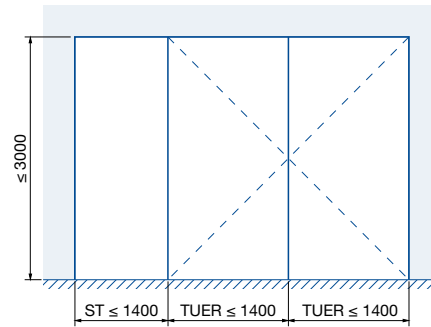
This page will assist you in finding the simplest design for smoke-tight door sets without the need to take statics into account. No fire protection profile H and no statics profile E will be required in the designs shown if the indicated maximum dimensions are complied with.

► **Larger dimensions must be checked using the Hörmann statics programme.**

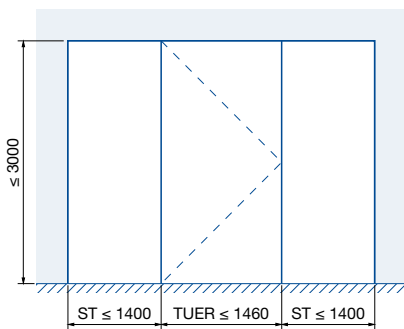
S / RS 100 and S / RS 300 side element (vertical profile construction)



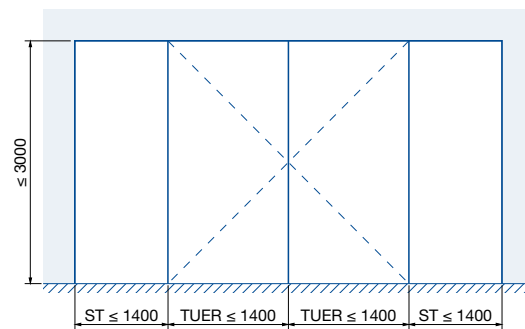
S / RS 200 and S / RS 300 side element (vertical profile construction)



S / RS 100 and S / RS 300 side elements (vertical profile construction)



S / RS 200 and S / RS 300 side elements (vertical profile construction)



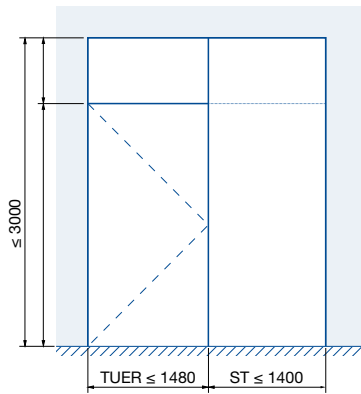
RAM	Overall frame dimension
GF	Traffic leaf
SF	Fixed leaf
ST	Side element
TUER	Door

Statics for steel smoke-tight door sets

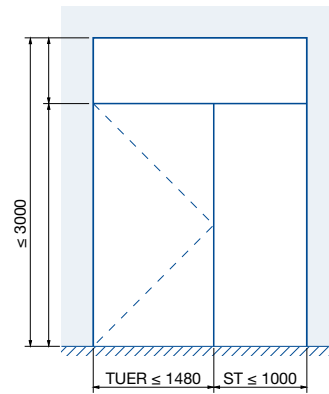
Notes on assemblies without additional statics profiles

S / RS 100, S / RS 200 and S / RS 300 (N-Line and S-Line)

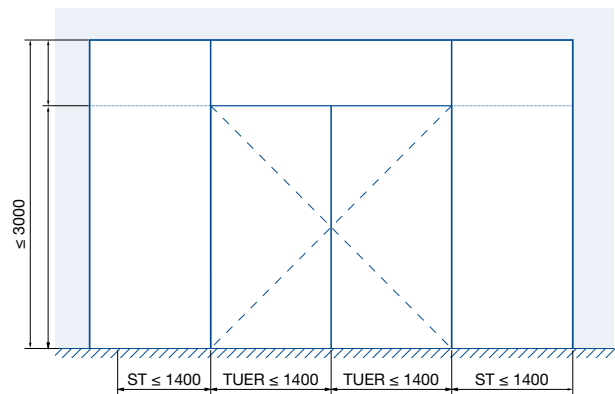
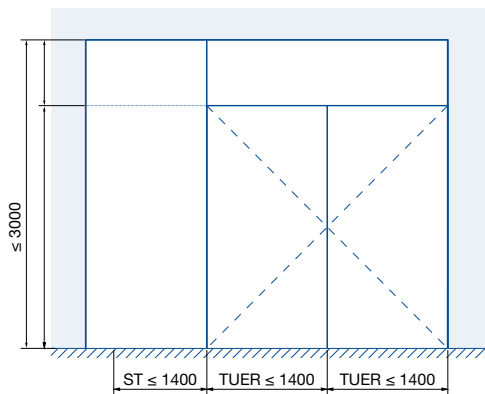
S / RS 100, S / RS 300 continuous side element and S / RS 300 transom light
(vertical / horizontal profile construction)



S / RS 100, S / RS 300 side element and S / RS 300 continuous transom light
(vertical / horizontal profile construction)



S / RS 200 and S / RS 300 continuous side element and S / RS 300 transom light
(vertical / horizontal profile construction)



RAM Overall frame dimension
GF Traffic leaf
SF Fixed leaf
ST Side element
TUER Door

Good reasons to try Hörmann steel loft doors



Industrial style for living areas and workspaces

**Large glazings with
high-quality steel profiles**

HÖRMANN

Steel tubular frame parts

Contents

Product overview	From page 14
-------------------------	---------------------



Steel fire-rated doors	From page
T30 / EI₂30	
T30-1 door HL 310 N- and S-Line	Single-leaf Fire-retarding and smoke-tight 240
T30-2 door HL 320 N- and S-Line	Double-leaf Fire-retarding and smoke-tight 242
F30 transom lights and side elements HL 330	Fire-retarding and smoke-tight 248
Frames for T30 fire-rated doors	
Corner and profile frames	254
T90	
T90-1 door HL 910 F	Single-leaf Fire-proof and smoke-tight 258
T90-2 door HL 920 F	Double-leaf Fire-proof and smoke-tight 260
F90 transom lights and side elements HL 930 F	Fire-proof and smoke-tight 262



Steel smoke-tight door assemblies	
Smoke-tight door assemblies	
S / RS 100 door, N-Line and S-Line	Single-leaf 270
S / RS 200 door, N-Line and S-Line	Double-leaf 272
S / RS 300 glazing	278
Frames for smoke-tight door assemblies	
Corner and profile frames	254

Overhead door closers	From page 308
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Fittings and optional extras	From page 306
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Operators	From page 314
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HL 310 N-Line, HL 310 S-Line – steel hollow profiled section door

T30

T30 fire-rated doors, single-leaf

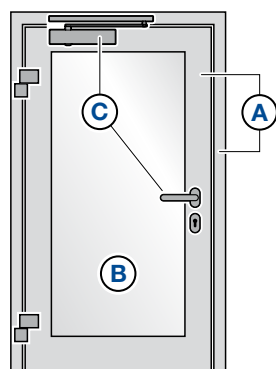
Approved as	T30 internal door	T30 internal door
	HL 310 N-Line	HL 310 S-Line
Depth [mm]	60	60
RAM width (min – max) [mm]	605 – 1600	567 – 1562
RAM height (min – max) [mm]	1740 – 3020	1721 – 3001
Approved as	T30 internal door	T30 internal door
Optional additional functions	RS dB RC2 	RS dB RC2 

Detailed product description

Technical description, fitting instructions, division dimensions, fast-track programme

HL 310 N-Line and S-Line

see page 216



Set price =

- Ⓐ Frame / leaf
- + Ⓑ Glazings
- + Ⓒ Door fitting / additional function

Already included in the price:

- 1 x mortice lock BKS 1828
- 2 x 3-way adjustable door hinge Hahn 4, EV 1, 20 mm pivot point, two-part

► State opening sense on order!

* Fittings for RAL colours in aluminium natural finish as standard. For an overview of available surface finishes, see page 224



Frame / leaf

Ordering sizes (RAM) up to width x up to height			Frame / leaf HL 310 N-Line HL 310 S-Line RAL 9016	m ² Glazing area	Surface coating * Surcharge		
					Preferred colour	RAL to choose	Special colour
1020	x	2010	3081	1,41	139	180	271
		2135	3147	1,50	143	185	278
		2290	3230	1,62	146	190	284
		2385	3290	1,69	150	195	292
		2510	3352	1,78	153	199	299
		2600	3458	1,89	156	202	303
		2710	3498	1,95	157	205	307
		2885	3592	2,08	160	209	313
		3000	3653	2,17	162	211	316
1145	x	2010	3183	1,63	145	189	283
		2135	3254	1,74	149	193	291
		2290	3342	1,88	151	196	294
		2385	3406	1,97	154	201	301
		2510	3472	2,07	157	205	307
		2600	3583	2,19	159	207	310
		2710	3625	2,26	161	210	315
		2885	3725	2,42	166	215	325
		3000	3791	2,52	172	223	333
1270	x	2010	3286	1,86	150	195	292
		2135	3361	1,99	153	199	299
		2290	3455	2,15	157	205	307
		2385	3522	2,24	159	207	310
		2510	3592	2,36	161	210	315
		2600	3707	2,50	163	212	318
		2710	3753	2,58	166	215	325
		2885	3858	2,75	173	225	337
		3000	3928	2,87	175	227	341
1370	x	2010	3368	2,04	154	201	301
		2135	3447	2,18	157	205	307
		2290	3544	2,36	161	210	315
		2385	3615	2,46	163	212	318
		2510	3688	2,59	166	215	325
		2600	3807	2,74	172	223	333
		2710	3854	2,83	174	226	338
		2885	3965	3,02	178	231	347
		3000	4038	3,15	180	235	353
1500	x	2010	3475	2,28	159	207	310
		2135	3558	2,44	165	214	318
		2290	3661	2,63	171	219	327
		2385	3736	2,75	176	225	336
		2510	3813	2,89	181	232	345
		2600	3937	3,06	187	237	356
		2710	3987	3,16	194	243	365
		2885	4104	3,37	200	249	371
		3000	4180	3,52	205	256	383

Glazings, door fittings, additional functions

HL 310 N-Line, HL 310 S-Line – steel hollow profiled section door



B

Glazing (standard delivery glass / panel separate)			Surcharge €	
Fitting of the glass or panel at the factory (observe the order information on page 221!)			Per leaf 189	
For interior applications		No.	max. glass dimensions	Per m² €
Standard F30 glazing				757
F30 glazing with transparent PVB plastic film		507	1400 × 3000 mm	1129
F30 glazing with matt PVB plastic film		508	1400 × 2500 mm	1388
F30 fire protection panel (2 × sheet steel, interior fire-proof core)		502	1200 × 2500 mm	533
F30 fire protection panel (2 × sheet steel, interior fire-proof core)		506	1200 × 2500 mm	596
For external applications		No.	max. glass dimensions	Per m² €
F30 insulated glazing (as standard for external applications, U-value: 1.1)		408	1250 × 3000 mm	1248
F30 insulated glazing with matt PVB plastic film		662	1250 × 3000 mm	1873

C

Door fitting / additional function		Surcharge €
	• Lever handle set D116, oval rose escutcheon PC	Standard Aluminium 75
		Stainless steel 131
	• Lever / knob handle set D116 with knob K116, oval rose escutcheon PC	Aluminium 140
		Stainless steel 206
	• TS 5000 EN 2 – 6 with slide rail • Fitting on opening side (hinge side) • RAM width min. 605 mm, max. 1500 mm	Standard Silver-coloured 292
		RAL stainless steel design 313
	• Mortice lock BKS 1828	Standard
	• Mortice lock BKS 1820 for change-over function B	Anti-panic function, single-leaf / half anti-panic, double-leaf 284
	• Mortice lock BKS 1824 for passage function D	Anti-panic function, single-leaf / half anti-panic, double-leaf 216
	• Mortice lock BKS 1826 for lever / knob function E	Anti-panic function, single-leaf / half anti-panic, double-leaf 137
	• Standard door hinge (Dr. Hahn 4), 20 mm pivot point, two-part, 3-way adjustable ⚠ Please take into consideration 2 hinges per leaf, 3 hinges each for use with an operator	EV1 Standard
		RAL to choose 59
		Stainless steel look 82
	• Steel screw-on guide roller, two-part, 3-way adjustable ⚠ Please take into consideration 2 hinges per leaf, 3 hinges each for use with an operator	RAL to choose 82
		Stainless steel 117

Smoke-tight acc. to DIN 18095 / DIN EN 1634-3

	Retractable bottom seal • For fitting on a smooth, level floor	Single-leaf 167
	Floor covering transition profile Stainless steel flat material 38 × 1.2 mm, optional e.g. for tiles or carpeted floor	Single-leaf 34



Accessories

Glazings and infills	See from page 286
Security features RC 2 / RC 3 acc. to DIN EN 1627	see page 292
Fittings	See from page 306
Lever handle sets, profile cylinders, locks, door closers, operators, hold-open devices and electric extras	
Door closers, hold-open devices and operators	See from page 308

HL 320 N-Line and S-Line – steel hollow profiled section door

T30

T30 fire-rated doors, double-leaf

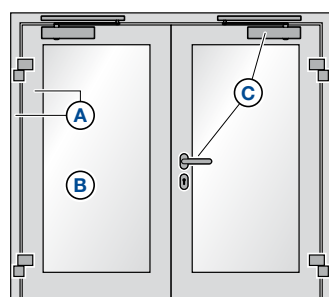
Approved as	T30 internal door	T30 internal door
	HL 320 N-Line	HL 320 S-Line
Depth [mm]	60	60
RAM width (min – max) [mm]	1355 – 3050	1317 – 3012
RAM height (min – max) [mm]	1740 – 3020	1721 – 3001
Optional additional functions	RS dB RC 2 	RS dB RC 2 

Detailed product description

Technical description, fitting instructions, division dimensions, fast-track programme

HL 320 N-Line and S-Line

see page 216



Set price =

- A** Frame / leaf
- + **B** Glazings
- + **C** Door fitting / additional function

Already included in the price:

- 1 x mortice lock BKS 1828, incl. espagnolette lock (fixed leaf)
- 4 x 3-way adjustable door hinge Hahn 4, EV 1, 20 mm pivot point, two-part

► State opening sense on order!

- * Fittings for RAL colours in aluminium natural finish as standard. For an overview of available surface finishes, see page 224

A

Frame / leaf

Ordering sizes (RAM) up to width × up to height			Frame / leaf HL 320 N-Line HL 320 S-Line RAL 9016	m ² Glazing area	Surface coating * Surcharge		
					Preferred colour	RAL to choose	Special colour
1500	×	2010	5045	2,06	231	301	453
		2135	5128	2,20	235	306	458
		2290	5230	2,38	241	313	470
		2385	5308	2,49	243	316	475
		2510	5384	2,62	248	324	485
		2600	5521	2,77	250	326	488
		2710	5571	2,86	256	332	498
		2885	5688	3,05	260	338	508
		3000	5764	3,18	262	341	511
1645	×	2010	5151	2,29	236	308	462
		2135	5238	2,45	241	313	470
		2290	5346	2,64	248	324	485
		2385	5427	2,76	250	326	488
		2510	5508	2,91	256	332	498
		2600	5650	3,08	258	334	502
		2710	5702	3,17	261	339	509
		2885	5825	3,39	266	347	522
		3000	5905	3,53	271	352	526
1770	×	2010	5258	2,52	242	314	472
		2135	5349	2,69	246	318	480
		2290	5462	2,90	255	330	494
		2385	5547	3,04	257	333	501
		2510	5631	3,19	260	338	508
		2600	5778	3,38	263	343	516
		2710	5833	3,49	266	347	522
		2885	5961	3,73	274	355	534
		3000	6046	3,89	277	360	540
1895	×	2010	5364	2,74	248	324	485
		2135	5460	2,93	255	330	494
		2290	5578	3,17	259	336	505
		2385	5667	3,31	260	338	508
		2510	5755	3,48	264	344	517
		2600	5906	3,69	268	350	525
		2710	5964	3,80	274	355	534
		2885	6098	4,06	278	361	541
		3000	6187	4,24	282	366	551
2020	×	2010	5470	2,97	255	330	494
		2135	5570	3,18	258	334	502
		2290	5694	3,43	262	341	511
		2385	5786	3,58	264	344	517
		2510	5879	3,77	271	352	526
		2600	6035	3,99	274	355	534
		2710	6095	4,12	278	361	541
		2885	6235	4,40	284	370	556
		3000	6328	4,59	291	379	569

Glazings, door fittings, additional functions

HL 320 – steel hollow profiled section door



B

Glazing (standard delivery glass / panel separate)

Surcharge €

Fitting of the glass or panel at the factory (observe the order information on page 221!)

Per leaf

189

For interior applications

No.

max. glass dimensions

Per m² €

Standard F30 glazing

757

F30 glazing with transparent PVB plastic film

507

1400 × 3000 mm

1129

F30 glazing with matt PVB plastic film

508

1400 × 2500 mm

1388

F30 fire protection panel (2 × sheet steel, interior fire-proof core)

502

1200 × 2500 mm

533

F30 fire protection panel (2 × sheet steel, interior fire-proof core)

506

1200 × 2500 mm

596

For external applications

No.

max. glass dimensions

Per m² €

F30 insulated glazing (as standard for external applications, U-value: 1.1)

408

1250 × 3000 mm

1248

F30 insulated glazing with matt PVB plastic film

662

1250 × 3000 mm

1873

C

Door fitting / additional function

Surcharge €

Lever handle set D116, oval rose escutcheon PC

Standard

Aluminium

75

Stainless steel

131

Lever / knob handle set D116 with knob K116, oval rose escutcheon PC

Aluminium

140

Stainless steel

206

TS 5000 ISM with slide rail

Fitting on opening side (hinge side)

Opening angle 173°

Standard

Silver-coloured

611

RAL to choose

760

Mortice lock BKS 1828 including espagnolette lock (fixed leaf)

Standard

Mortice lock BKS 1821 for change-over function B including anti-panic espagnolette lock

Anti-panic function double-leaf

695

Mortice lock BKS 1825 for passage function D including anti-panic espagnolette lock

Anti-panic function double-leaf

534

Mortice lock BKS 1827 for anti-panic function E including anti-panic espagnolette lock

Anti-panic function double-leaf

539

Standard door hinge (Dr. Hahn 4), 20 mm pivot point, two-part, 3-way adjustable

EV1

Standard

Please take into consideration 2 hinges per leaf, 3 hinges each for use with an operator

RAL to choose

59

Stainless steel look

82

RAL to choose

82

Steel screw-on guide roller, two-part, 3-way adjustable

Please take into consideration 2 hinges per leaf, 3 hinges each for use with an operator

Stainless steel

117

Smoke-tight acc. to DIN 18095 / DIN EN 1634-3

Retractable bottom seal

For fitting on a smooth, level floor

Double-leaf

334

Floor covering transition profile

Stainless steel flat material 38 × 1.2 mm, optional e.g. for tiles or carpeted floor

Double-leaf

69

Accessories

Glazings and infills

See from page 286

Security features RC 2 / RC 3 acc. to DIN EN 1627

see page 292

Fittings

See from page 306



Door closers, hold-open devices and operators

See from page 308

HL 320 N-Line and S-Line – steel hollow profiled section door

T30

T30 fire-rated doors, double-leaf

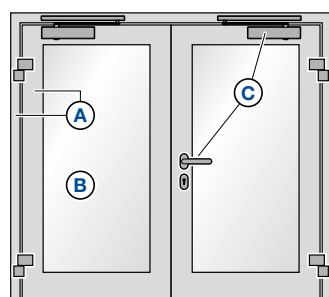
Approved as	T30 internal door	T30 internal door
	HL 320 N-Line	HL 320 S-Line
Depth [mm]	60	60
RAM width (min – max) [mm]	1355 – 3050	1317 – 3012
RAM height (min – max) [mm]	1740 – 3020	1721 – 3001
Optional additional functions	RS dB RC 2 	RS dB RC 2 

Detailed product description

Technical description, fitting instructions, division dimensions, fast-track programme

HL 320 N-Line and S-Line

see page 216



Set price =

- A** Frame / leaf
- + **B** Glazings
- + **C** Door fitting / additional function

Already included in the price:

- 1 x mortice lock BKS 1828, incl. espagnolette lock (fixed leaf)
- 4 x 3-way adjustable door hinge Hahn 4, EV 1, 20 mm pivot point, two-part

► State opening sense on order!

- * Fittings for RAL colours in aluminium natural finish as standard. For an overview of available surface finishes, see page 224

A

Frame / leaf

Ordering sizes (RAM) up to width × up to height			Frame / leaf HL 320 N-Line HL 320 S-Line RAL 9016	m ² Glazing area	Surface coating * Surcharge		
					Preferred colour	RAL to choose	Special colour
2145	×	2010	5577	3,20	258	334	502
		2135	5681	3,42	262	341	511
		2290	5810	3,69	267	349	523
		2385	5906	3,86	273	354	530
		2510	6002	4,06	277	360	540
		2600	6163	4,30	280	364	546
		2710	6226	4,43	284	370	556
		2885	6372	4,74	292	380	570
		3000	6469	4,94	297	386	578
2270	×	2010	5683	3,43	261	339	509
		2135	5791	3,66	266	347	522
		2290	5926	3,95	274	355	534
		2385	6026	4,13	277	360	540
		2510	6126	4,35	282	366	551
		2600	6291	4,60	285	371	558
		2710	6357	4,75	292	380	570
		2885	6509	5,07	297	386	578
		3000	6609	5,29	301	391	588
2395	×	2010	5789	3,65	266	347	522
		2135	5902	3,91	273	354	530
		2290	6042	4,22	278	361	541
		2385	6145	4,41	282	366	551
		2510	6250	4,64	290	377	565
		2600	6420	4,91	292	380	570
		2710	6488	5,06	297	386	578
		2885	6646	5,41	303	394	591
		3000	6750	5,64	309	402	602
2500	×	2010	5896	3,88	271	352	526
		2135	6013	4,15	276	359	538
		2290	6158	4,48	282	366	551
		2385	6265	4,68	289	376	562
		2510	6373	4,93	293	381	572
		2600	6548	5,22	297	386	578
		2710	6618	5,38	301	391	588
		2885	6783	5,75	310	403	604
		3000	6891	5,99	313	407	611
2645	×	2010	6002	4,11	276	359	538
		2135	6123	4,39	281	365	547
		2290	6274	4,74	290	377	565
		2385	6385	4,96	292	380	570
		2510	6497	5,22	298	387	579
		2600	6676	5,52	301	391	588
		2710	6749	5,69	309	402	602
		2885	6920	6,09	314	410	615
		3000	7032	6,34	318	415	623

Glazings, door fittings, additional functions

HL 320 – steel hollow profiled section door



B	Glazing (standard delivery glass / panel separate)		Surcharge €	
	Fitting of the glass or panel at the factory (observe the order information on page 221!)		Per leaf	189
For interior applications		No.	max. glass dimensions	Per m² €
Standard F30 glazing				757
F30 glazing with transparent PVB plastic film		507	1400 × 3000 mm	1129
F30 glazing with matt PVB plastic film		508	1400 × 2500 mm	1388
F30 fire protection panel (2 × sheet steel, interior fire-proof core)		502	1200 × 2500 mm	533
F30 fire protection panel (2 × sheet steel, interior fire-proof core)		506	1200 × 2500 mm	596
For external applications		No.	max. glass dimensions	Per m² €
F30 insulated glazing (as standard for external applications, U-value: 1.1)		408	1250 × 3000 mm	1248
F30 insulated glazing with matt PVB plastic film		662	1250 × 3000 mm	1873

C Door fitting / additional function		Surcharge €	
	• Lever handle set D116 , oval rose escutcheon PC	Standard	Aluminium 75
			Stainless steel 131
	• Lever / knob handle set D116 with knob K116 , oval rose escutcheon PC		Aluminium 140
			Stainless steel 206
	• TS 5000 ISM with slide rail • Fitting on opening side (hinge side) • Opening angle 173°	Standard	Silver-coloured 611
			RAL to choose 760
	• Mortice lock BKS 1828 including espagnolette lock (fixed leaf)		Standard
	• Mortice lock BKS 1821 for change-over function B including anti-panic espagnolette lock	Anti-panic function double-leaf	695
	• Mortice lock BKS 1825 for passage function D including anti-panic espagnolette lock	Anti-panic function double-leaf	534
	• Mortice lock BKS 1827 for anti-panic function E including anti-panic espagnolette lock	Anti-panic function double-leaf	539
	• Standard door hinge (Dr. Hahn 4), 20 mm pivot point, two-part, 3-way adjustable ⚠ Please take into consideration 2 hinges per leaf, 3 hinges each for use with an operator	EV1	Standard
		RAL to choose	59
		Stainless steel look	82
	• Steel screw-on guide roller, two-part, 3-way adjustable ⚠ Please take into consideration 2 hinges per leaf, 3 hinges each for use with an operator	RAL to choose	82
		Stainless steel	117
Smoke-tight acc. to DIN 18095 / DIN EN 1634-3			
	Retractable bottom seal • For fitting on a smooth, level floor	Double-leaf	334
	Floor covering transition profile Stainless steel flat material 38 x 1.2 mm, optional e.g. for tiles or carpeted floor	Double-leaf	69

Accessories

Glazings and infills	See from page 286
Security features RC 2 / RC 3 acc. to DIN EN 1627	see page 292
Fittings Lever handle sets, profile cylinders, locks, door closers, operators, hold-open devices and electric extras	See from page 306
Door closers, hold-open devices and operators	See from page 308

HL 320 N-Line and S-Line – steel hollow profiled section door

T30

T30 fire-rated doors, double-leaf

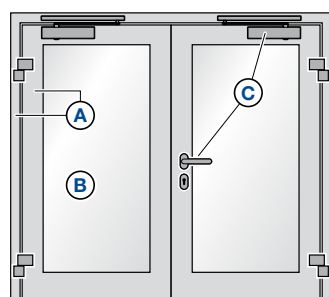
Approved as	T30 internal door	T30 internal door
	HL 320 N-Line	HL 320 S-Line
Depth [mm]	60	60
RAM width (min – max) [mm]	1355 – 3050	1317 – 3012
RAM height (min – max) [mm]	1740 – 3020	1721 – 3001
Optional additional functions	RS dB RC 2	RS dB RC 2

Detailed product description

Technical description, fitting instructions, division dimensions, fast-track programme

HL 320 N-Line and S-Line

see page 216



Set price =

- A** Frame / leaf
- + **B** Glazings
- + **C** Door fitting / additional function

Already included in the price:

- 1 x mortice lock BKS 1828, incl. espagnolette lock (fixed leaf)
- 4 x 3-way adjustable door hinge Hahn 4, EV 1, 20 mm pivot point, two-part



Frame / leaf

Ordering sizes (RAM) up to width x up to height			Frame / leaf HL 320 N-Line HL 320 S-Line RAL 9016	m ² Glazing area	Surface coating * Surcharge		
					Preferred colour	RAL to choose	Special colour
2770	x	2010	6108	4,34	278	361	541
		2135	6234	4,63	285	371	558
		2290	6390	5,00	293	381	572
		2385	6504	5,23	297	386	578
		2510	6621	5,50	301	391	588
		2600	6805	5,83	306	396	594
		2710	6880	6,01	313	407	611
		2885	7057	6,42	318	415	623
		3000	7173	6,70	325	421	633
2850	x	2010	6176	4,48	284	370	556
		2135	6305	4,79	292	380	570
		2290	6464	5,17	298	387	579
		2385	6581	5,41	301	391	588
		2510	6700	5,69	309	402	602
		2600	6887	6,02	313	407	611
		2710	6964	6,21	316	412	618
		2885	7145	6,64	325	421	633
		3000	7263	6,92	331	431	647
2950	x	2010	6261	4,48	292	380	570
		2135	6393	4,79	297	386	578
		2290	6557	5,17	303	394	591
		2385	6677	5,41	310	403	604
		2510	6799	5,69	315	411	616
		2600	6989	6,02	317	413	620
		2710	7069	6,21	324	420	629
		2885	7254	6,64	333	434	650
		3000	7376	6,92	339	441	662

► State opening sense on order!



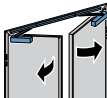







* Fittings for RAL colours in aluminium natural finish as standard. For an overview of available surface finishes, see page 224

Glazings, door fittings, additional functions

HL 320 – steel hollow profiled section door



B	Glazing (standard delivery glass / panel separate)			Surcharge €
	Fitting of the glass or panel at the factory (observe the order information on page 221!)			Per leaf 189
	For interior applications	No.	max. glass dimensions	Per m² €
	Standard F30 glazing			757
	F30 glazing with transparent PVB plastic film	507	1400 × 3000 mm	1129
	F30 glazing with matt PVB plastic film	508	1400 × 2500 mm	1388
	F30 fire protection panel (2 × sheet steel, interior fire-proof core)	502	1200 × 2500 mm	533
	F30 fire protection panel (2 × sheet steel, interior fire-proof core)	506	1200 × 2500 mm	596
	For external applications	No.	max. glass dimensions	Per m² €
	F30 insulated glazing (as standard for external applications, U-value: 1.1)			1248
F30 insulated glazing with matt PVB plastic film	662	1250 × 3000 mm	1873	

C Door fitting / additional function		Surcharge €	
	<ul style="list-style-type: none">Lever handle set D116, oval rose escutcheon PC	Standard	Aluminium 75
			Stainless steel 131
	<ul style="list-style-type: none">Lever / knob handle set D116 with knob K116, oval rose escutcheon PC		Aluminium 140
			Stainless steel 206
	<ul style="list-style-type: none">TS 5000 ISM with slide railFitting on opening side (hinge side)Opening angle 173°	Standard	Silver-coloured 611
			RAL to choose 760
	<ul style="list-style-type: none">Mortice lock BKS 1828 including espagnolette lock (fixed leaf)		Standard
	<ul style="list-style-type: none">Mortice lock BKS 1821 for change-over function B including anti-panic espagnolette lock	Anti-panic function double-leaf	695
	<ul style="list-style-type: none">Mortice lock BKS 1825 for passage function D including anti-panic espagnolette lock	Anti-panic function double-leaf	534
	<ul style="list-style-type: none">Mortice lock BKS 1827 for anti-panic function E including anti-panic espagnolette lock	Anti-panic function double-leaf	539
	<ul style="list-style-type: none">Standard door hinge (Dr. Hahn 4), 20 mm pivot point, two-part, 3-way adjustable <p>⚠ Please take into consideration 2 hinges per leaf, 3 hinges each for use with an operator</p>	EV1	Standard
			RAL to choose 59
			Stainless steel look 82
	<ul style="list-style-type: none">Steel screw-on guide roller, two-part, 3-way adjustable <p>⚠ Please take into consideration 2 hinges per leaf, 3 hinges each for use with an operator</p>		RAL to choose 82
			Stainless steel 117
Smoke-tight acc. to DIN 18095 / DIN EN 1634-3			
	 Retractable bottom seal <ul style="list-style-type: none">For fitting on a smooth, level floor		Double-leaf 334
	Floor covering transition profile Stainless steel flat material 38 x 1.2 mm, optional e.g. for tiles or carpeted floor		Double-leaf 69





Accessories

Glazings and infills	See from page 286
Security features RC 2 / RC 3 acc. to DIN EN 1627	see page 292
Fittings	See from page 306
Lever handle sets, profile cylinders, locks, door closers, operators, hold-open devices and electric extras	
Door closers, hold-open devices and operators	See from page 308

HL 330 N-Line and S-Line – steel fixed glazing

Fire-rated glazings F30 / EI₂30 as a transom light, side element or fixed glazing

F30

Approved as	Internal fixed glazing F30	Internal fixed glazing F30
	HL 330 N-Line	HL 330 S-Line
Depth [mm]	60	60
RAM width (max) [mm]	6000	6000
RAM height (max) [mm]	4500	4500
Optional additional functions	  RC 2 TRAV	  RC 2 TRAV

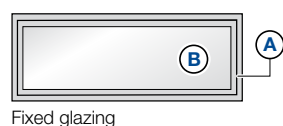
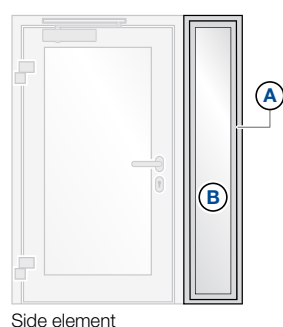
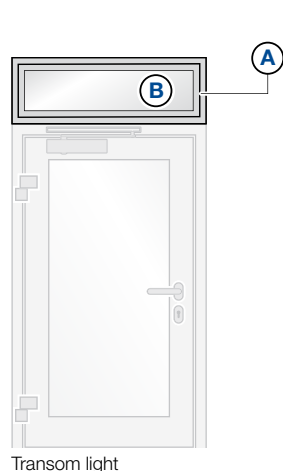
Detailed product description

Technical description, fitting instructions, division dimensions, fast-track programme

HL 330 N-Line

HL 330 S-Line

see page 217



Set price =

- (A) Frame
+ (B) Glazing

A

Fixed glazing HL 330									
Ordering sizes (RAM) up to width × up to height			Frame price		m² Glazing area ³⁾	Surface coating ⁴⁾ Surcharge			
			HL 330 RAL 9016			Preferred colour	RAL to choose	Special colour	
520	×	510	549		0,50	41	52	79	
		635	626		0,50	45	56	85	
		760	703		0,50	47	60	92	
		885	780		0,50	52	68	102	
		1040	856		0,50	58	76	114	
		1135	933		0,50	59	77	117	
		1260	1010		0,50	64	83	125	
		1395	1047		0,54	68	87	132	
		1500	1102		0,58	69	88	134	
645	×	510	624		0,50	45	56	85	
		635	718		0,50	48	62	93	
		760	811		0,50	53	70	105	
		885	905		0,50	59	77	117	
		1040	991		0,51	64	83	125	
		1135	1045		0,56	67	86	131	
		1260	1084		0,63	69	88	134	
		1395	1112		0,70	72	94	141	
		1500	1170		0,76	74	97	145	
770	×	510	700		0,50	48	62	93	
		635	810		0,50	53	70	105	
		760	920		0,50	60	79	118	
		885	1015		0,52	63	82	124	
		1040	1039		0,63	68	87	132	
		1135	1102		0,69	71	93	139	
		1260	1150		0,77	72	94	141	
		1395	1177		0,86	76	99	149	
		1500	1246		0,93	76	99	149	
895	×	510	776		0,50	51	67	100	
		635	902		0,50	58	76	114	
		760	1013		0,52	64	83	125	
		885	1062		0,62	68	87	132	
		1040	1095		0,74	71	93	139	
		1135	1160		0,82	74	97	145	
		1260	1208		0,92	76	99	149	
		1395	1234		1,03	77	101	152	
		1500	1314		1,11	80	103	156	

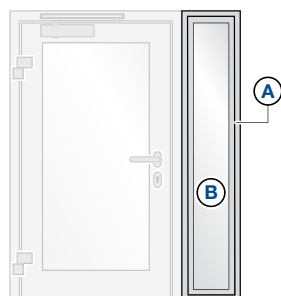
1) Minimum calculation surface 0.5 m²

2) For an overview of available surface finishes, see page 224

► For additional size ranges, see next page



Transom light



Side element



Fixed glazing

Set price =

(A) Frame

+ (B) Glazing

A

Fixed glazing HL 330

Ordering sizes (RAM) up to width × up to height	Frame price HL 330 RAL 9016	m ² Glazing area ³⁾	Surface coating ⁴⁾ Surcharge		
			Preferred colour	RAL to choose	Special colour
1020 × 510	851	0,50	56	74	110
	994	0,50	63	82	124
	1060	0,60	68	87	132
	1110	0,72	71	93	139
	1144	0,86	75	98	146
	1217	0,95	76	99	149
	1274	1,06	77	101	152
	1299	1,19	81	104	157
1145 × 510	1389	1,28	82	107	160
	927	0,50	60	79	118
	1040	0,56	68	87	132
	1098	0,69	69	88	134
	1157	0,82	72	94	141
	1192	0,98	77	101	152
	1274	1,08	79	102	153
	1333	1,21	81	104	157
1270 × 510	1364	1,35	85	111	167
	1457	1,46	87	114	172
	1002	0,50	64	83	125
	1085	0,62	69	88	134
	1145	0,77	72	94	141
	1212	0,91	76	99	149
	1241	1,10	80	103	156
	1331	1,21	81	104	157
1270 × 1260	1399	1,35	85	111	167
	1429	1,51	87	114	172
	1533	1,63	93	120	180

► For additional size ranges, see next page

B

Glazing (standard delivery glass / panel separate)

Surcharge €

Fitting of the glass or panel at the factory (observe the order information on page 221!)

	No.	max. glass dimensions	Per leaf	Per m ² €
For interior applications			189	
Standard F30 glazing				757
F30 glazing with transparent PVB plastic film	507	1400 × 3000 mm		1129
F30 glazing with matt PVB plastic film	508	1400 × 2500 mm		1388
F30 fire protection panel (2 × sheet steel, interior fire-proof core)	502	1200 × 2500 mm		533
F30 fire protection panel (2 × sheet steel, interior fire-proof core)	506	1200 × 2500 mm		596
For external applications				
F30 insulated glazing (as standard for external applications, U-value: 1.1)	408	1250 × 3000 mm		1248
F30 insulated glazing with matt PVB plastic film	662	1250 × 3000 mm		1873

Glazings and infills

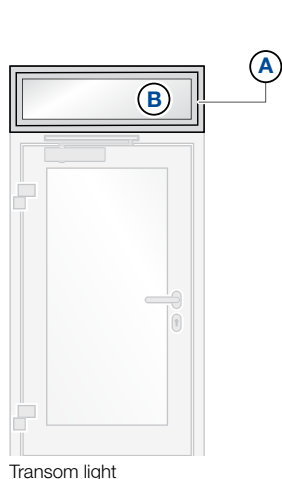
See from page 286

Horizontal rails / vertical rails

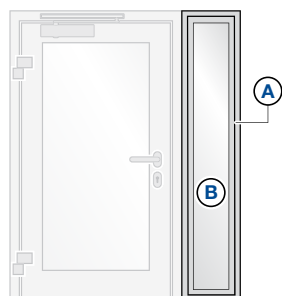
see page 303

Security features RC 2 / RC 3 acc. to DIN EN 1627

See from page 292



Transom light



Side element



Fixed glazing

Set price =
A Frame
+ **B** Glazing

A

Fixed glazing HL 330

Ordering sizes (RAM) up to width × up to height			Frame price HL 330 RAL 9016, E6/EV1	m ² Glazing area ³⁾	Surface coating ⁴⁾ Surcharge		
					Preferred colour	RAL to choose	Special colour
1895	×	510	1301	0,73	76	99	149
		635	1381	0,96	80	103	156
		760	1469	1,18	85	111	167
		885	1556	1,40	87	114	172
		1040	1598	1,68	94	123	184
		1135	1625	1,85	98	127	191
		1260	1705	2,08	100	129	195
		1395	1746	2,32	104	135	203
2020	×	1500	1889	2,51	107	139	209
		510	1337	0,78	79	102	153
		635	1426	1,02	82	107	160
		760	1515	1,26	85	111	167
		885	1604	1,50	92	119	178
		1040	1646	1,80	97	125	187
		1135	1682	1,98	100	129	195
		1260	1771	2,22	103	134	202
2145	×	1395	1811	2,48	110	144	215
		1500	1964	2,68	114	149	224
		510	1374	0,83	80	103	156
		635	1464	1,09	83	108	162
		760	1561	1,34	87	114	172
		885	1651	1,60	94	123	184
		1040	1694	1,92	99	128	192
		1135	1739	2,11	102	133	199
2270	×	1260	1829	2,37	105	137	207
		1395	1876	2,64	114	149	224
		1500	2032	2,86	117	151	227
		510	1473	0,80	82	107	160
		635	1501	1,16	85	111	167
		760	1600	1,43	92	119	178
		885	1699	1,70	97	125	187
		1040	1751	2,03	101	132	198
		1135	1797	2,24	104	135	203
		1260	1895	2,51	111	145	216
		1395	1941	2,80	117	151	227
		1500	2108	3,03	120	156	233

► For additional size ranges, see next page

B

Glazing (standard delivery glass / panel separate)

Surcharge €

Fitting of the glass or panel at the factory (observe the order information on page 221!)

For interior applications			No.	max. glass dimensions	Per m ² €
Standard F30 glazing					757
F30 glazing with transparent PVB plastic film			507	1400 × 3000 mm	1129
F30 glazing with matt PVB plastic film			508	1400 × 2500 mm	1388
F30 fire protection panel (2 × sheet steel, interior fire-proof core)			502	1200 × 2500 mm	533
F30 fire protection panel (2 × sheet steel, interior fire-proof core)			506	1200 × 2500 mm	596
For external applications			No.	max. glass dimensions	Per m ² €
F30 insulated glazing (as standard for external applications, U-value: 1.1)			408	1250 × 3000 mm	1248
F30 insulated glazing with matt PVB plastic film			662	1250 × 3000 mm	1873

Glazings and infills

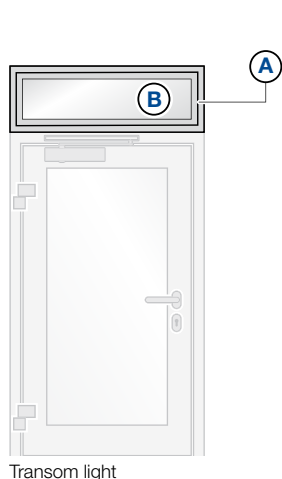
See from page 286

Horizontal rails / vertical rails

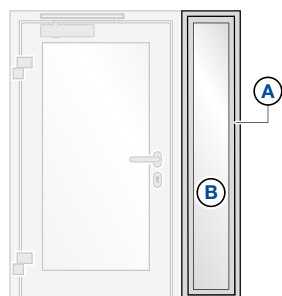
see page 303

Security features RC 2 / RC 3 acc. to DIN EN 1627

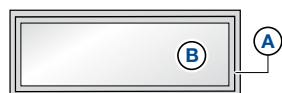
See from page 292



Transom light



Side element



Fixed glazing

Set price =

A Frame

+ B Glazing

A

Fixed glazing HL 330

Ordering sizes (RAM) up to width × up to height			Frame price HL 330 RAL 9016	m ² Glazing area ³⁾	Surface coating ⁴⁾ Surcharge		
					Preferred colour	RAL to choose	Special colour
2845	×	510	1571	1,12	93	120	180
		635	1692	1,46	98	127	191
		760	1812	1,80	101	132	198
		885	1925	2,15	107	139	209
		1040	1983	2,57	117	151	227
		1135	2066	2,83	121	158	238
		1260	2179	3,18	125	162	244
		1395	2229	3,55	132	172	257
3000	×	1500	2443	3,83	136	178	266
		510	1631	1,16	94	123	184
		635	1759	1,52	100	129	195
		760	1887	1,88	103	134	202
		885	2010	2,24	111	145	216
		1040	2076	2,68	120	156	233
		1135	2174	2,94	124	160	241
		1260	2292	3,31	131	170	256
		1395	2348	3,70	135	176	263
		1500	2576	3,99	141	184	277

B

Glazing (standard delivery glass / panel separate)

Surcharge €

Fitting of the glass or panel at the factory (observe the order information on page 221!)

For interior applications			No.	max. glass dimensions	Per leaf	Per m ² €
Standard F30 glazing					189	757
F30 glazing with transparent PVB plastic film			507	1400 × 3000 mm		1129
F30 glazing with matt PVB plastic film			508	1400 × 2500 mm		1388
F30 fire protection panel (2 × sheet steel, interior fire-proof core)			502	1200 × 2500 mm		533
F30 fire protection panel (2 × sheet steel, interior fire-proof core)			506	1200 × 2500 mm		596
For external applications			No.	max. glass dimensions	Per m ² €	
F30 insulated glazing (as standard for external applications, U-value: 1.1)			408	1250 × 3000 mm		1248
F30 insulated glazing with matt PVB plastic film			662	1250 × 3000 mm		1873

Glazings and infills

See from page 286

Horizontal rails / vertical rails

see page 303

Security features RC 2 / RC 3 acc. to DIN EN 1627

See from page 292

Corner and profile frames made of steel for brickwork

For T30 fire-rated doors – tubular frame with or without transom light, single- and double-leaf

T30

Material

- Sheet metal, hot galvanized
- Corner frame 2.0 mm thick for brickwork
- Profile frame 2.0 mm thick for brickwork and partition walls
- Primed based on RAL 7035 for subsequent coating on-site, optionally in RAL to choose
- Version with glazing beads on hinge side (opening inwards)

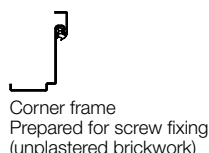
Frame types

- 3-part separated in the mitred area, screw-on lath profiles
 - 1-part welded in the mitred area, polished
- Mortar-free fitting

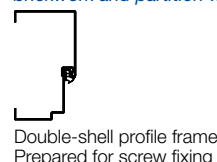
Size range (nominal sizes)

HL 310 (W × H):	Min. 625 × 1750 mm	Max. 1232 × 2278 mm
HL 320 (W × H):	Min. 1251 × 1750 mm	Max. 2802 × 2278 mm
Doors with transom light / top part		Max. 3500 mm BR height

Corner frame for brickwork



Double-shell profile frame for brickwork and partition walls



Basic prices €								
BR height up to		2278	2500		2750		3000	
BR width up to	Wall width			With transom light		With transom light	For panel	With transom light
1000 mm	Corner frame	1598	1789	2228	1981	2255	2173	2283
	145	1738	1947	2376	2155	2402	2363	2439
	205	1771	1983	2406	2196	2435	2409	2487
	270	1808	2025	2435	2242	2472	2459	2527
1250 mm	330	1841	2062	2151	2283	2509	2504	2575
	Corner frame	1627	1822	2321	2017	2346	2213	2384
	145	1756	1967	2442	2178	2472	2389	2509
	205	1794	2009	2487	2224	2512	2439	2542
1500 mm	270	1822	2042	2524	2260	2550	2479	2579
	330	1852	2075	2568	2297	2593	2519	2612
	Corner frame	1701	1905	2479	2109	2502	2313	2545
	145	1801	2016	2583	2232	2612	2448	2638
1750 mm	205	1837	2058	2631	2278	2664	2499	2671
	270	1882	2108	2683	2333	2712	2559	2701
	330	1918	2149	2726	2379	2759	2609	2731
	Corner frame	1749	1959	2545	2168	2579	2378	2623
2000 mm	145	1849	2070	2660	2292	2693	2513	2716
	205	1893	2119	2708	2347	2749	2574	2749
	270	1937	2169	2756	2402	2800	2635	2779
	330	1981	2220	2804	2457	2855	2695	2807
2250 mm	Corner frame	1738	1947	2786	2155	2822	2363	2837
	145	1837	2058	2885	2278	2918	2499	2945
	205	1867	2091	2926	2315	2966	2539	2974
	270	1900	2128	2974	2356	3007	2584	3003
2500 mm	330	1930	2161	3014	2393	3056	2624	3036
	Corner frame	1786	2000	2874	2214	2915	2428	2930
	145	1889	2116	2978	2342	3014	2569	3036
	205	1918	2149	3026	2379	3066	2609	3066
2750 mm	270	1948	2182	3074	2415	3114	2650	3096
	330	1981	2220	3122	2457	3165	2695	3125
	Corner frame	1834	2053	3003	2274	3044	2494	3062
	145	1940	2174	3099	2407	3147	2639	3169
3000 mm	205	1970	2207	3147	2443	3195	2680	3199
	270	2003	2244	3188	2485	3243	2724	3232
	330	2033	2277	3236	2521	3291	2765	3262
	Corner frame							



Basic prices €								
BR height up to		2278	2500		2750		3000	
BR width up to	Wall width			With transom light		With transom light	For panel	With transom light
2750 mm	Corner frame	2061	2308	3375	2555	3420	2802	3441
	145	2181	2442	3483	2704	3536	2966	3561
	205	2214	2479	3536	2746	3590	3011	3594
	270	2251	2521	3582	2791	3644	3062	3632
	330	2284	2558	3636	2833	3698	3107	3665
2950 mm	Corner frame	2315	2593	3791	2870	3843	3148	3866
	145	2451	2745	3913	3038	3974	3332	4001
	205	2488	2786	3974	3084	4034	3382	4039
	270	2529	2833	4025	3136	4094	3440	4080
	330	2567	2874	4085	3182	4155	3490	4117

Preparation for accessories	Surcharge €
Frame prepared for 3rd hinge	82
Prepared for KÜ 480 / each	263
Prepared for electric strike	No surcharge
Prepared for ECO dual locking	210
Prepared for single-leaf reed contact (type Link)	124
Prepared for double-leaf reed contact (type Link)	244
Prepared for single-leaf escape door opener	255
Prepared for single-leaf escape door opener in crossframe	255
Prepared for double-leaf escape door opener in crossframe	504
Prepared for alarm contact element	250
Top frame prepared for ITS 96 N20 (single-leaf)	229
Top frame prepared for ITS 96 GSR (double-leaf)	454
Prepared for Fuhr triple lock	141

► The required accessories from the "Accessories and fittings" chapter must be added to the preparation prices

Note on surfaces:

For doors in preferred colour, RAL to choose or special colour, 1.5 x the price for the respective surface must be charged!

Example:

	Preferred colour	RAL to choose	Special colour
HL 310 (1020 x 2010 mm)	142 €	185 €	278 €
HL 310 with steel frame (x 1.5)	215 €	280 €	419 €

Good reasons to try Hörmann steel tubular frame construction project doors



Particularly narrow door view

S-Line system

HÖRMANN

Good reasons to try Hörmann steel loft doors



Industrial style for living areas and workspaces



**Large glazings with
high-quality steel profiles**

HÖRMANN

HL 910 F – steel

T90 fire-rated doors, single-leaf

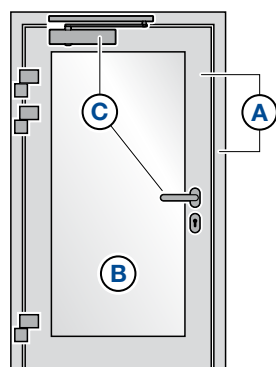
T90

Approved as	T90 internal door
	HL 910 F
Depth [mm]	70
RAM width (min – max) [mm]	700 – 1590
RAM height (min – max) [mm]	1725 – 2960
Optional additional functions	 

Detailed product description

Technical description, fitting instructions, division dimensions, fast-track programme

see page 218



Set price =

- A** Frame/leaf
- + **B** Glazings
- + **C** Door fitting/additional function

Already included in the price:

- 1 x mortice lock
- 3 x 3-way steel weld-on hinge, 17 mm pivot point, three-part

► State opening sense on order!

- * Fittings for RAL colours in aluminium natural finish as standard. For an overview of available surface finishes, see page 224



Frame / leaf

Ordering sizes (RAM) up to width x up to height			Frame / leaf HL 910 F RAL 9016	m ² Glazing area	Surface coating * Surcharge		
					Preferred colour	RAL to choose	Special colour
1020	x	2010	6533	1,41	139	180	271
		2145	6753	1,52	143	185	278
		2280	6973	1,63	146	190	284
		2415	7193	1,73	150	195	292
		2570	7446	1,85	153	199	299
1145	x	2010	6768	1,64	145	189	283
		2145	6993	1,64	149	193	291
		2280	7218	1,75	151	196	294
		2415	7442	1,87	154	201	301
		2570	7700	2,01	157	205	307
1270	x	2010	7004	1,87	150	195	292
		2145	7233	2,00	153	199	299
		2280	7462	2,14	157	205	307
		2415	7691	2,28	159	207	310
		2570	7953	2,44	161	210	315
1395	x	2010	7240	2,09	154	201	301
		2145	7473	2,25	157	205	307
		2280	7706	2,40	161	210	315
		2415	7939	2,56	163	212	318
		2570	8207	2,74	166	215	325
1540	x	2010	7514	2,35	159	207	310
		2145	7752	2,53	165	214	318
		2280	7990	2,70	171	219	327
		2415	8228	2,88	176	225	336
		2570	8501	3,08	181	232	345

Glazings, door fittings, additional functions

HL 910 F – steel hollow profiled section door



B

Glazing (standard delivery glass / panel separate)

Surcharge €

Fitting of the glass or panel at the factory (observe the order information on page 221!)

Per leaf

189

For interior applications

No.

max. glass dimensions

Per m² €

Standard F90 glazing (UV protection on both sides)

576

1400 × 2820 mm

1853

F90 glazing with matt PVB plastic film

563

1400 × 2900 mm

2802

F90 fire protection panel (2 × steel panels, interior fire-proof core)

540

1200 × 2500 mm

819

F90 glass panel

516


1400 × 2820 mm

2322

C

Door fitting / additional function

Surcharge €



Lever handle set D116, oval rose escutcheon PC


Standard

Aluminium

75

Stainless steel

131



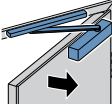
Lever / knob handle set D116 with knob K116, oval rose escutcheon PC

Aluminium

140

Stainless steel

206



TS 5000 EN 2 – 6 with slide rail

Fitting on opening side (hinge side)

RAM width min. 605 mm, max. 1500 mm


Standard

Silver-coloured

295


RAL stainless steel design

313



Mortice lock

Standard



Mortice lock for change-over function B

Anti-panic function, single-leaf / half anti-panic, double-leaf

180

Mortice lock for passage function D


Anti-panic function, single-leaf / half anti-panic, double-leaf

128

Mortice lock for lever / knob function E

Anti-panic function, single-leaf / half anti-panic, double-leaf

146




Steel weld-on hinge, 17 mm pivot point, three-part, 3-way adjustable

In door colour

Standard

Please take into consideration 3 hinges for the leaf!

Smoke-tight acc. to DIN 18095 / DIN EN 1634-3




Retractable bottom seal

For fitting on a smooth, level floor

Single-leaf

167



Floor covering transition profile

Stainless steel flat material 38 × 1.2 mm, optional e.g. for tiles or carpeted floor

Single-leaf

34



Optional extras

See from page 306

HL 920 F – steel

T90 fire-rated doors, double-leaf

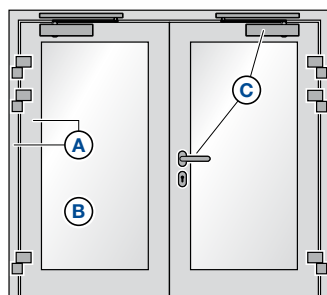
T90

Approved as	T90 internal door
	HL 920 F
Depth [mm]	70
RAM width (min – max) [mm]	1400 × 2490
RAM height (min – max) [mm]	1725 × 2570
Optional additional functions	 

Detailed product description

Technical description, fitting instructions, division dimensions, fast-track programme

see page 218



Set price =

- A** Frame / leaf
- + **B** Glazings
- + **C** Door fitting / additional function

Already included in the price:

- 1 × mortice lock incl. rebate espagnolette lock (fixed leaf)
- 6 × 3-way steel weld-on hinge, 17 mm pivot point, three-part

► State opening sense on order!

* For an overview of available surface finishes, see page 224




Frame / leaf

Ordering sizes (RAM) up to width × up to height			Frame / door leaf price		m² Glazing area	Surface coating * Surcharge		
			HL 920 F RAL 9016			Preferred colour	RAL to choose	Special colour
1410	×	2010	9946	1,89	231	301	453	
		2145	10233	2,03	235	306	458	
		2280	10520	2,17	241	313	470	
		2415	10807	2,32	243	316	475	
		2570	11136	2,48	248	324	485	
1545	×	2010	10261	2,13	236	308	462	
		2145	10553	2,29	241	313	470	
		2280	10845	2,45	248	324	485	
		2415	11136	2,61	250	326	488	
		2570	11471	2,80	256	332	498	
1680	×	2010	10576	2,38	242	314	472	
		2145	10873	2,56	246	318	480	
		2280	11169	2,73	255	330	494	
		2415	11466	2,91	257	333	501	
		2570	11807	3,12	260	338	508	
1815	×	2010	10891	2,62	248	324	485	
		2145	11192	2,82	255	330	494	
		2280	11494	3,01	259	336	505	
		2415	11796	3,21	260	338	508	
		2570	12142	3,43	264	344	517	
1950	×	2010	11205	2,86	255	330	494	
		2145	11512	3,08	258	334	502	
		2280	11819	3,29	262	341	511	
		2415	12126	3,51	264	344	517	
		2570	12478	3,75	271	352	526	
2085	×	2010	11520	3,11	258	334	502	
		2145	11832	3,34	262	341	511	
		2280	12144	3,57	267	349	523	
		2415	12455	3,81	273	354	530	
		2570	12813	4,07	277	360	540	
2220	×	2010	11835	3,35	261	339	509	
		2145	12152	3,60	266	347	522	
		2280	12468	3,85	274	355	534	
		2415	12785	4,10	277	360	540	
		2570	13149	4,39	282	366	551	
2335	×	2010	12103	3,56	266	347	522	
		2145	12424	3,83	273	354	530	
		2280	12745	4,09	278	361	541	
		2415	13066	4,36	282	366	551	
		2570	13387	4,66	290	377	565	
2490	×	2010	12464	3,84	271	352	526	
		2145	12791	4,13	276	359	538	
		2280	13118	4,41	282	366	551	
		2415	13445	4,70	289	376	562	
		2570	13820	5,03	293	381	572	

HL 930 F – steel fixed glazing

F90

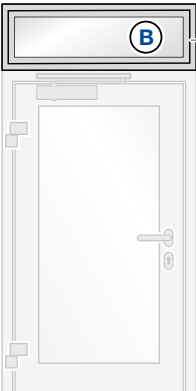


Fire-rated glazings F90 – for doors and walls as a transom light, side element or fixed glazing

Approved as	Internal fixed glazing F90
	HL 930 F
Depth [mm]	70
RAM width (max) [mm]	Unlimited
RAM height (max) [mm]	4000 mm
Optional additional functions	

Detailed product description

Technical description, fitting instructions, division dimensions, fast-track programme

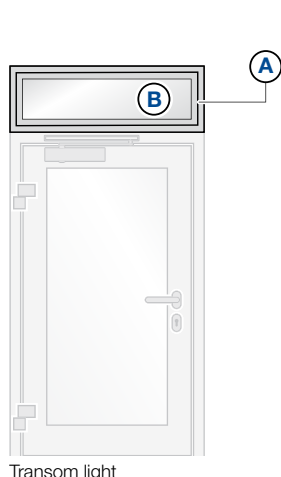
see page 219

		Fixed glazing HL 930 F		Surface coating ²⁾ Surcharge		
Ordering sizes (RAM) up to width × up to height		Frame price HL 930 F RAL 9016	m ² Glazing area ¹⁾	Preferred colour	RAL to choose	Special colour
 Transom light	520 × 510	1301	0,50	41	52	79
	635	1389	0,50	45	56	85
	760	1488	0,50	47	60	92
	885	1586	0,50	52	68	102
	1010	1684	0,50	58	76	114
	1135	1781	0,50	59	77	117
	1260	1876	0,50	64	83	125
	1310	1918	0,54	68	87	132
	1510	2071	0,58	69	88	134
 Side element	645 × 510	1407	0,50	45	56	85
	635	1498	0,50	48	62	93
	760	1602	0,50	53	70	105
	885	1704	0,50	59	77	117
	1010	1805	0,51	64	83	125
	1135	1907	0,56	67	86	131
	1260	2005	0,63	69	88	134
	1310	2049	0,70	72	94	141
	1510	2208	0,76	74	97	145
 Fixed glazing	770 × 510	1505	0,50	48	62	93
	635	1599	0,50	53	70	105
	760	1707	0,50	60	79	118
	885	1812	0,52	63	82	124
	1010	1918	0,63	68	87	132
	1135	2023	0,69	71	93	139
	1260	2125	0,77	72	94	141
	1310	2171	0,86	76	99	149
	1510	2335	0,93	76	99	149
	895 × 510	1603	0,50	51	67	100
	635	1700	0,50	58	76	114
	760	1812	0,52	64	83	125
	885	1921	0,62	68	87	132
	1010	2030	0,74	71	93	139
	1135	2139	0,82	74	97	145
	1260	2244	0,92	76	99	149
	1310	2292	1,03	77	101	152
	1510	2462	1,11	80	103	156

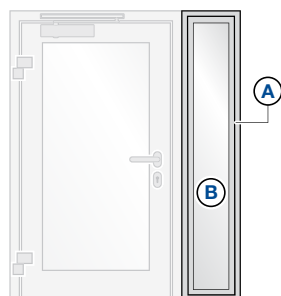
Larger RAM in width and height on request.

1) Minimum calculation surface 0.5 m²

2) For an overview of available surface finishes, see page 224



Transom light



Side element



Fixed glazing

Set price =

(A) Frame

+ (B) Glazing

A

Fixed glazing HL 930 F

Ordering sizes (RAM) up to width × up to height			Frame price HL 930 F RAL 9016	m ² Glazing area ¹⁾	Surface coating ²⁾ Surcharge		
					Preferred colour	RAL to choose	Special colour
1020	×	510	1701	0,50	56	74	110
		635	1801	0,50	63	82	124
		760	1917	0,60	68	87	132
		885	2030	0,72	71	93	139
		1010	2143	0,86	75	98	146
		1135	2256	0,95	76	99	149
		1260	2364	1,06	77	101	152
		1310	2414	1,19	81	104	157
1145	×	1510	2589	1,28	82	107	160
		510	1798	0,50	60	79	118
		635	1902	0,56	68	87	132
		760	2022	0,69	69	88	134
		885	2139	0,82	72	94	141
		1010	2255	0,98	77	101	152
		1135	2372	1,08	79	102	153
		1260	2484	1,21	81	104	157
1270	×	1310	2535	1,35	85	111	167
		1510	2717	1,46	87	114	172
		510	1896	0,50	64	83	125
		635	2004	0,62	69	88	134
		760	2127	0,77	72	94	141
		885	2248	0,91	76	99	149
		1010	2368	1,10	80	103	156
		1135	2488	1,21	81	104	157
		1260	2604	1,35	85	111	167
		1310	2657	1,51	87	114	172
		1510	2844	1,63	93	120	180

Larger RAM in width and height on request.

1) Minimum calculation surface 0.5 m²

2) For an overview of available surface finishes, see page 224

► For additional size ranges, see next page

B

Glazing (standard delivery glass / panel separate)

Surcharge €

Fitting of the glass or panel at the factory (observe the order information on page 221!)

For interior applications		No.	max. glass dimensions	Per m ² €
Standard F90 glazing (UV protection on both sides)		576	1400 × 2820 mm	1853
F90 glazing with matt PVB plastic film		563	1400 × 2900 mm	2802
F90 fire protection panel (2 × steel panels, interior fire-proof core)		540	1200 × 2500 mm	819
F90 glass panel		516	1400 × 2820 mm	2322

Optional extras

See from page 306


Fire protection

Tubular frame parts
Steel

HL 930 F – steel fixed glazing

F90

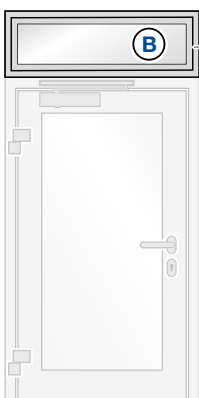



Fire-rated glazings F90 – for doors and walls as a transom light, side element or fixed glazing

Approved as	Internal fixed glazing F90
	HL 930 F
Depth [mm]	70
RAM width (max) [mm]	Unlimited
RAM height (max) [mm]	4000 mm
Optional additional functions	

Detailed product description

Technical description, fitting instructions, division dimensions, fast-track programme

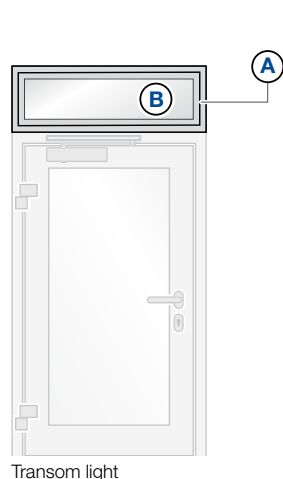
see page 219

		Fixed glazing HL 930 F		Surface coating ²⁾ Surcharge		
Ordering sizes (RAM) up to width × up to height		Frame price HL 930 F RAL 9016	m ² Glazing area ¹⁾	Preferred colour	RAL to choose	Special colour
 Transom light	1370 × 510	1975	0,52	68	87	132
	635	2084	0,68	71	93	139
	760	2212	0,83	75	98	146
	885	2335	0,99	77	101	152
	1010	2458	1,19	81	104	157
	1135	2581	1,31	83	108	162
	1260	2699	1,47	87	114	172
	1310	2754	1,64	92	119	178
 Side element	1510 × 510	2152	0,57	69	88	134
	635	2265	0,75	74	97	145
	760	2396	0,92	76	99	149
	885	2524	1,09	80	103	156
	1010	2651	1,31	83	108	162
	1135	2712	1,44	87	114	172
	1260	2834	1,62	92	119	178
	1310	2890	1,81	96	124	185
 Fixed glazing	1510 × 510	3088	1,95	98	127	191
	635	2258	0,63	72	94	141
	760	2374	0,82	75	98	146
	885	2510	1,02	80	103	156
	1010	2641	1,21	82	107	160
	1135	2773	1,45	87	114	172
	1260	2837	1,59	92	119	178
	1310	2963	1,79	96	124	185
 Set price = A Frame + B Glazing	1510 × 1310	3021	2,00	99	128	192
	1510 × 1510	3225	2,16	101	132	198
	1770 × 510	2356	0,68	75	98	146
	635	2475	0,89	79	102	153
	760	2615	1,10	82	107	160
	885	2750	1,31	86	112	170
	1010	2885	1,56	92	119	178
	1135	2953	1,72	96	124	185
	1260	3083	1,93	98	127	191
	1310	3143	2,16	101	132	198
	1510	3352	2,33	104	135	203

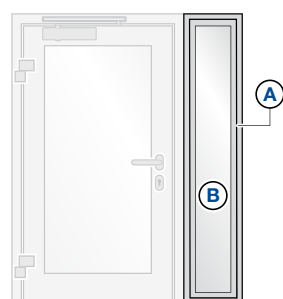
Larger RAM in width and height on request.

1) Minimum calculation surface 0.5 m²

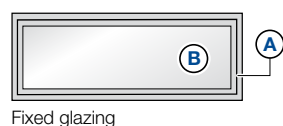
2) For an overview of available surface finishes, see page 224



Transom light



Side element



Fixed glazing

Set price =

(A) Frame

+ (B) Glazing

A

Fixed glazing HL 930 F

Ordering sizes (RAM) up to width × up to height			Frame price HL 930 F RAL 9016	m ² Glazing area ¹⁾	Surface coating ²⁾ Surcharge		
					Preferred colour	RAL to choose	Special colour
1895	×	510	2454	0,73	76	99	149
		635	2576	0,96	80	103	156
		760	2720	1,18	85	111	167
		885	2859	1,40	87	114	172
		1010	2998	1,68	94	123	184
		1135	3070	1,85	98	127	191
		1260	3202	2,08	100	129	195
		1310	3264	2,32	104	135	203
2020	×	1510	3480	2,51	107	139	209
		510	2551	0,78	79	102	153
		635	2677	1,02	82	107	160
		760	2825	1,26	85	111	167
		885	2968	1,50	92	119	178
		1010	3111	1,80	97	125	187
		1135	3186	1,98	100	129	195
		1260	3322	2,22	103	134	202
2145	×	1310	3386	2,48	110	144	215
		1510	3607	2,68	114	149	224
		510	2649	0,83	80	103	156
		635	2779	1,09	83	108	162
		760	2930	1,34	87	114	172
		885	3077	1,60	94	123	184
		1010	3223	1,92	99	128	192
		1135	3302	2,11	102	133	199
		1260	3442	2,37	105	137	207
		1310	3507	2,64	114	149	224
		1510	3734	2,86	117	151	227

Larger RAM in width and height on request.

1) Minimum calculation surface 0.5 m²

2) For an overview of available surface finishes, see page 224

► For additional size ranges, see next page

B

Glazing (standard delivery glass / panel separate)

Surcharge €

Fitting of the glass or panel at the factory (observe the order information on page 221!)

For interior applications	No.	max. glass dimensions	Per leaf	Per m ² €
Standard F90 glazing (UV protection on both sides)	576	1400 × 2820 mm	189	1853
F90 glazing with matt PVB plastic film	563	1400 × 2900 mm		2802
F90 fire protection panel (2 × steel panels, interior fire-proof core)	541	1200 × 2500 mm		819
F90 glass panel	516	1400 × 2820 mm		2322


Optional extras

See from page 306

HL 930 F – steel fixed glazing

F90

Fire-rated glazings F90 – for doors and walls as a transom light, side element or fixed glazing

Approved as	Internal fixed glazing F90
	HL 930 F
Depth [mm]	70
RAM width (max) [mm]	Unlimited
RAM height (max) [mm]	4000 mm
Optional additional functions	

Detailed product description

Technical description, fitting instructions, division dimensions, fast-track programme

see page 219

Transom light

Side element

Fixed glazing

Fixed glazing HL 930 F

Ordering sizes (RAM) up to width × up to height			Frame price HL 930 F RAL 9016	m ² Glazing area ¹⁾	Surface coating ²⁾ Surcharge				
					Preferred colour	RAL to choose	Special colour		
2255	×	510	2736	0,88	82	107	160		
		635	2868	1,16	85	111	167		
		760	3023	1,43	92	119	178		
		885	3173	1,70	97	125	187		
		1010	3322	2,03	101	132	198		
		1135	3405	2,24	104	135	203		
		1260	3547	2,51	111	145	216		
		1310	3614	2,80	117	151	227		
2375	×	1510	3846	3,03	120	156	233		
		510	2830	0,91	83	108	162		
		635	2965	1,19	90	118	177		
		760	3124	1,47	94	123	184		
		885	3277	1,76	99	128	192		
		1010	3430	2,04	103	134	202		
		1135	3516	2,32	107	139	209		
		1260	3662	2,60	115	150	225		
2460	×	1310	3731	2,72	120	156	233		
		1510	3968	3,17	124	160	241		
		510	2896	0,94	85	111	167		
		635	3033	1,23	92	119	178		
		760	3195	1,53	97	125	187		
		885	3351	1,82	101	132	198		
		1010	3507	2,12	105	137	207		
		1135	3595	2,41	111	145	216		
			1260	3744	2,70	118	153	230	
			1310	3813	2,82	123	159	239	
			1510	4054	3,18	126	163	246	

Set price =

(A) Frame

+ (B) Glazing

Larger RAM in width and height on request.

- 1) Minimum calculation surface 0.5 m²
- 2) For an overview of available surface finishes, see page 224

Set price =

Ⓐ Frame

+ Ⓑ Glazing

Larger RAM in width and height on request.

1) Minimum calculation surface 0.5 m²

2) For an overview of available surface finishes, see page 224

B

Glazing (standard delivery glass / panel separate)

Surcharge €

Fitting of the glass or panel at the factory (observe the order information on page 221!)

		Per leaf	189
For interior applications	No.	max. glass dimensions	Per m ² €
Standard F90 glazing (UV protection on both sides)	576	1400 × 2820 mm	1853
F90 glazing with matt PVB plastic film	563	1400 × 2900 mm	2802
F90 fire protection panel (2 × steel panels, interior fire-proof core)	541	1200 × 2500 mm	819
F90 glass panel	516	1400 × 2820 mm	2322

Optional extras

See from page 306

Good reasons to try Hörmann aluminium tubular frame construction project doors



Up to
55 mm
wider clear
passage width

Elegant door view without visible frame face

Frame without face

* compared to door version with fascia frame

HÖRMANN

Good reasons to try Hörmann
steel and aluminium tubular frame
construction project doors



Up to
73 mm
wider clear
passage width

Maximum clear passage width

Steel profile frame

* compared to door version with fascia frame

HÖRMANN

Steel smoke-tight door assemblies

Steel tubular frame parts




Contents



Steel smoke-tight door assemblies		
Smoke-tight door assemblies		
S / RS 100 door, N-Line and S-Line	Single-leaf	270
S / RS 200 door, N-Line and S-Line	Double-leaf	272
S / RS 300 glazing		278
Frames for smoke-tight door assemblies		
Corner and profile frames for brickwork		254
Overhead door closers		From page 308
Fittings and optional extras		From page 286
Operators		From page 314

S / RS 100 N-Line and S-Line – steel hollow profiled section door

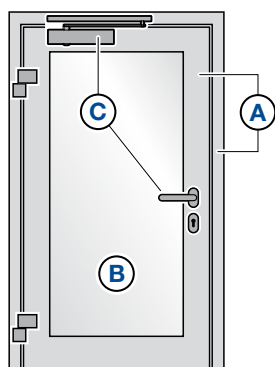
Smoke-tight door assemblies, single-leaf

Approved as	Smoke-tight internal door			
	S/RS 100 N-Line		S/RS 100 S-Line	
	With fascia frame	With steel frame	With fascia frame	With steel frame
Depth [mm]	60 mm			
RAM width (min – max) [mm]	643 – 1538	539 – 1434	605 – 1500	539 – 1434
RAM height (min – max) [mm]	1759 – 3020	1707 – 2968	1740 – 3001	1707 – 2968
Optional additional functions	  			

Detailed product description

S/RS 100

see page 230



Set price =

- Ⓐ Frame / leaf
- + Ⓑ Glazings
- + Ⓒ Door fitting / additional function

Already included in the price:

- 1 × retractable bottom seal
- 1 × mortice lock BKS 1828
- 2 × 3-way adjustable door hinge Dr. Hahn 4, EV 1, 20 mm pivot point, two-part

Larger RAM in width and height on request.

► State opening sense on order!

* For an overview of available surface finishes, see page 224



Frame / leaf

Ordering sizes (RAM) up to width × up to height			Frame / door leaf price		m² Glazing area	Surface coating * Surcharge		
			S/RS 100 N-Line and S-Line RAL 9016			Preferred colour	RAL to choose	Special colour
1020	×	2010	1999		139	180	271	
		2135	2039		143	185	278	
		2290	2089		146	190	284	
		2385	2120		150	195	292	
		2510	2231		153	199	299	
		2600	2270		156	202	303	
		2710	2312		157	205	307	
		2885	2355		160	209	313	
		3000	2394		162	211	316	
1145	×	2010	2056		145	189	283	
		2135	2098		149	193	291	
		2290	2151		151	196	294	
		2385	2183		154	201	301	
		2510	2295		157	205	307	
		2600	2343		159	207	310	
		2710	2388		161	210	315	
		2885	2433		166	215	325	
		3000	2474		172	223	333	
1270	×	2010	2113		150	195	292	
		2135	2157		153	199	299	
		2290	2212		157	205	307	
		2385	2246		159	207	310	
		2510	2366		161	210	315	
		2600	2417		163	212	318	
		2710	2464		166	215	325	
		2885	2511		173	225	337	
		3000	2554		175	227	341	
1370	×	2010	2158		154	201	301	
		2135	2204		157	205	307	
		2290	2261		161	210	315	
		2385	2296		163	212	318	
		2510	2423		166	215	325	
		2600	2475		172	223	333	
		2710	2524		174	226	338	
		2885	2573		178	231	347	
		3000	2618		180	235	353	
1500	×	2010	2218		159	207	310	
		2135	2266		165	214	318	
		2290	2325		171	219	327	
		2385	2362		176	225	336	
		2510	2496		181	232	345	
		2600	2552		187	237	356	
		2710	2603		194	243	365	
		2885	2654		200	249	371	
		3000	2701		205	256	383	

Glazings, door fittings, additional functions

S / RS 100 N-Line and S-Line – steel hollow profiled section door



B

Glazing (standard delivery glass / panel separate)			Surcharge €
Fitting of the glass or panel at the factory (observe the order information on page 221!)			Per leaf 189
For interior applications	No.	max. glass dimensions	Per m² €
Standard glazing, laminated safety glass 8 mm	525	2600 × 4500 mm	110
Glazing laminated safety glass 10 mm	527	2600 × 4500 mm	151
Glazing laminated safety glass 6 mm with matt plastic film	528	2250 × 2333 mm	148
Glazing single-pane safety glass 8 mm	524	2400 × 4500 mm	170
Glazing single-pane safety glass 10 mm	526	2400 × 4500 mm	228
Steel panel		1250 × 2500 mm	445
Steel glass panel (2 × steel sheet, acoustic insulation glass on the inside)		1250 × 2500 mm	753




C Door fitting / additional function		Surcharge €	
	• Lever handle set D116 , oval rose escutcheon PC	Standard	Aluminium 75
			Stainless steel 131
	• Lever / knob handle set D116 with knob K160 , oval rose escutcheon PC		Aluminium 140
			Stainless steel 206
	• TS 5000 EN 2 – 6 with slide rail • Fitting on opening side (hinge side) • RAM width min. 605 mm, max. 1500 mm		Silver-coloured 292
			RAL to choose 341
	• Mortice lock BKS 1828		Standard
	• Mortice lock BKS 1820 for change-over function B	Anti-panic function, single-leaf / half anti-panic, double-leaf	284
	• Mortice lock BKS 1824 for passage function D	Anti-panic function, single-leaf / half anti-panic, double-leaf	216
	• Mortice lock BKS 1826 for lever / knob function E	Anti-panic function, single-leaf / half anti-panic, double-leaf	137
	• Standard door hinge (Dr. Hahn 4), 20 mm pivot point, two-part, 3-way adjustable ⚠ Please take into consideration 2 hinges per leaf, 3 hinges each for use with an operator	EV1	Standard
		RAL to choose	59
		Stainless steel look	82
	• Steel screw-on guide roller, two-part, 3-way adjustable ⚠ Please take into consideration 2 hinges per leaf, 3 hinges each for use with an operator	RAL to choose	82
		Stainless steel	117
Smoke-tight acc. to DIN 18095 / DIN EN 1634-3			
	Retractable bottom seal • For fitting on a smooth, level floor	Single-leaf	Standard
	Floor covering transition profile Stainless steel flat material 38 x 1.2 mm, optional e.g. for tiles or carpeted floor	Single-leaf	34

Accessories

Glazings and infills	See from page 288
Horizontal rails / vertical rails	see page 303
Fittings	See from page 294
Lever handle sets, profile cylinders, locks and electric extras	
Door closers, hold-open devices and operators	See from page 308
Security features RC 2 / RC 3 acc. to DIN EN 1627	see page 292

S / RS 200 N-Line and S-Line – steel hollow profiled section door

Smoke-tight door assemblies, double-leaf

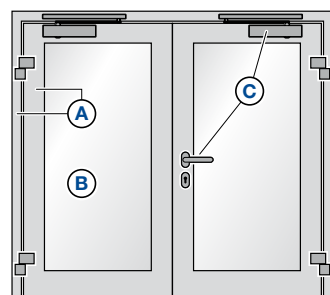
	S/RS 200 N-Line		S/RS 200 S-Line	
	With fascia frame	With steel frame	With fascia frame	With steel frame
Depth [mm]	60 mm			
RAM width (min – max) [mm]	1355 – 2890	1251 – 2786	1317 – 2850	1251 – 2786
RAM height (min – max) [mm]	1759 – 3020	1707 – 2968	1740 – 3001	1707 – 2968
Approved as	Smoke-tight internal door			
Optional additional functions	  			

Detailed product description

Technical description, fitting instructions, division dimensions, fast-track programme

S/RS 200 N-Line and S-Line

see page 230



Set price =

- Ⓐ Frame / leaf
- + Ⓑ Glazings
- + Ⓒ Door fitting / additional function

Already included in the price:

- 2 × retractable bottom seal
- 1 × mortice lock BKS 1828, incl. espagnolette lock (fixed leaf)
- 4 × 3-way adjustable door hinge Dr. Hahn 4, EV 1, 20 mm pivot point, two-part

Larger RAM on request

► State opening sense on order!

* For an overview of available surface finishes, see page 224



Frame / leaf

Ordering sizes (RAM) up to width × up to height			Frame / door leaf price S/RS 200 N-Line and S-Line RAL 9016	m ² Glazing area	Surface coating * Surcharge		
					Preferred colour	RAL to choose	Special colour
1520	×	2010	3452	2,03	231	301	453
		2135	3499	2,16	235	306	458
		2290	3558	2,34	241	313	470
		2385	3593	2,44	243	316	475
		2510	3741	2,58	248	324	485
		2600	3787	2,68	250	326	488
		2710	3837	2,80	256	332	498
		2885	3887	3,00	260	338	508
		3000	3933	3,13	262	341	511
1645	×	2010	3510	2,29	236	308	462
		2135	3559	2,45	241	313	470
		2290	3620	2,64	248	324	485
		2385	3657	2,76	250	326	488
		2510	3805	2,92	256	332	498
		2600	3861	3,03	258	334	502
		2710	3914	3,17	261	339	509
		2885	3966	3,39	266	347	522
		3000	4014	3,53	271	352	526
1770	×	2010	3568	2,52	242	314	472
		2135	3619	2,69	246	318	480
		2290	3683	2,90	255	330	494
		2385	3721	3,04	257	333	501
		2510	3876	3,21	260	338	508
		2600	3935	3,33	263	343	516
		2710	3990	3,49	266	347	522
		2885	4045	3,73	274	355	534
		3000	4095	3,89	277	360	540
1895	×	2010	3626	2,74	248	324	485
		2135	3679	2,93	255	330	494
		2290	3745	3,17	259	336	505
		2385	3785	3,31	260	338	508
		2510	3948	3,50	264	344	517
		2600	4010	3,63	268	350	525
		2710	4067	3,80	274	355	534
		2885	4124	4,06	278	361	541
		3000	4176	4,24	282	366	551

► For additional size ranges, see next page

Glazings, door fittings, additional functions

S / RS 200 – steel hollow profiled section door



B

Glazing (standard delivery glass / panel separate)			Surcharge €
Fitting of the glass or panel at the factory (observe the order information on page 221!)			Per leaf189
For interior applications	No.	max. glass dimensions	Per m² €
Standard glazing, laminated safety glass 8 mm	525	2600 × 4500 mm	110
Glazing laminated safety glass 10 mm	527	2600 × 4500 mm	151
Glazing laminated safety glass 6 mm with matt plastic film	528	2250 × 2333 mm	148
Glazing single-pane safety glass 8 mm	524	2400 × 4500 mm	170
Glazing single-pane safety glass 10 mm	526	2400 × 4500 mm	228
Steel panel		1250 × 2500 mm	445
Steel glass panel (2 × steel sheet, acoustic insulation glass on the inside)		1250 × 2500 mm	753

C




Door fitting / additional function		Surcharge €
	• Lever handle set D116, oval rose escutcheon PC	StandardAluminium75
		Stainless steel131
	• Lever / knob handle set D116 with knob K160, oval rose escutcheon PC	Aluminium140
		Stainless steel206
	• TS 5000 ISM with slide rail • Fitting on opening side (hinge side) • Opening angle 173°	StandardSilver-coloured611
		RAL to choose760
	• Mortice lock BKS 1828 including espagnolette lock (fixed leaf)	Standard
	• Mortice lock BKS 1821 for change-over function B including anti-panic espagnolette lock	Anti-panic function double-leaf695
	• Mortice lock BKS 1825 for passage function D including anti-panic espagnolette lock	Anti-panic function double-leaf534
	• Mortice lock BKS 1827 for anti-panic function E including anti-panic espagnolette lock	Anti-panic function double-leaf539
	• Standard door hinge (Dr. Hahn 4), 20 mm pivot point, two-part, 3-way adjustable ⚠ Please take into consideration 2 hinges per leaf, 3 hinges each for use with an operator	EV1Standard
		RAL to choose59
		Stainless steel look82
	• Steel screw-on guide roller, two-part, 3-way adjustable ⚠ Please take into consideration 2 hinges per leaf, 3 hinges each for use with an operator	RAL to choose82
		Stainless steel117
		Smoke-tight acc. to DIN 18095 / DIN EN 1634-3
	Retractable bottom seal • For fitting on a smooth, level floor	Double-leafStandard
	Floor covering transition profile Stainless steel flat material 38 × 1.2 mm, optional e.g. for tiles or carpeted floor	Double-leaf69

Accessories

Glazings and infills	See from page 288
Horizontal rails / vertical rails	see page 303
Fittings Lever handle sets, profile cylinders, locks and electric extras	See from page 294
Door closers, hold-open devices and operators	See from page 310

S / RS 200 N-Line and S-Line – steel hollow profiled section door

Smoke-tight door assemblies, double-leaf

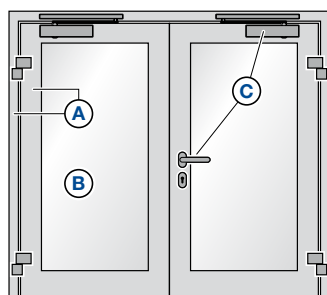
	S/RS 200 N-Line		S/RS 200 S-Line	
	With fascia frame	With steel frame	With fascia frame	With steel frame
Depth [mm]	60 mm			
RAM width (min – max) [mm]	1355 – 2890	1251 – 2786	1317 – 2850	1251 – 2786
RAM height (min – max) [mm]	1759 – 3020	1707 – 2968	1740 – 3001	1707 – 2968
Approved as	Smoke-tight internal door			
Optional additional functions	  			

Detailed product description

Technical description, fitting instructions, division dimensions, fast-track programme

S/RS 200 N-Line and S-Line

see page 230



Set price =

- Ⓐ Frame / leaf
- + Ⓑ Glazings
- + Ⓒ Door fitting / additional function

Already included in the price:

- 2 × retractable bottom seal
- 1 × mortice lock BKS 1828, incl. espagnolette lock (fixed leaf)
- 4 × 3-way adjustable door hinge Dr. Hahn 4, EV 1, 20 mm pivot point, two-part

Larger RAM on request

► State opening sense on order!

* For an overview of available surface finishes, see page 224



Frame / leaf

Ordering sizes (RAM) up to width × up to height			Frame / door leaf price S/RS 200 N-Line and S-Line RAL 9016	m ² Glazing area	Surface coating * Surcharge		
					Preferred colour	RAL to choose	Special colour
2020	×	2010	3684	2,97	255	330	494
		2135	3739	3,18	258	334	502
		2290	3808	3,43	262	341	511
		2385	3849	3,58	264	344	517
		2510	4020	3,79	271	352	526
		2600	4084	3,94	274	355	534
		2710	4143	4,12	278	361	541
		2885	4203	4,40	284	370	556
2145	×	3000	4257	4,59	291	379	569
		2010	3742	3,20	258	334	502
		2135	3799	3,42	262	341	511
		2290	3870	3,69	267	349	523
		2385	3913	3,86	273	354	530
		2510	4092	4,08	277	360	540
		2600	4158	4,24	280	364	546
		2710	4220	4,43	284	370	556
2270	×	2885	4282	4,74	292	380	570
		3000	4338	4,94	297	386	578
		2010	3800	3,43	261	339	509
		2135	3859	3,66	266	347	522
		2290	3933	3,95	274	355	534
		2385	3977	4,13	277	360	540
		2510	4164	4,37	282	366	551
		2600	4233	4,54	285	371	558
2395	×	2710	4297	4,75	292	380	570
		2885	4360	5,07	297	386	578
		3000	4419	5,29	301	391	588
		2010	3858	3,65	266	347	522
		2135	3919	3,91	273	354	530
		2290	3995	4,22	278	361	541
		2385	4041	4,41	282	366	551
		2510	4235	4,66	290	377	565
		2600	4307	4,84	292	380	570
		2710	4373	5,06	297	386	578
		2885	4439	5,41	303	394	591
		3000	4500	5,64	309	402	602

► For additional size ranges, see next page

Glazings, door fittings, additional functions

S / RS 200 – steel hollow profiled section door



B

Glazing (standard delivery glass / panel separate)			Surcharge €
Fitting of the glass or panel at the factory (observe the order information on page 221!)			Per leaf 189
For interior applications	No.	max. glass dimensions	Per m² €
Standard glazing, laminated safety glass 8 mm	525	2600 × 4500 mm	110
Glazing laminated safety glass 10 mm	527	2600 × 4500 mm	151
Glazing laminated safety glass 6 mm with matt plastic film	528	2250 × 2333 mm	148
Glazing single-pane safety glass 8 mm	524	2400 × 4500 mm	170
Glazing single-pane safety glass 10 mm	526	2400 × 4500 mm	228
Steel panel		1250 × 2500 mm	445
Steel glass panel (2 × steel sheet, acoustic insulation glass on the inside)		1250 × 2500 mm	753




C Door fitting / additional function		Surcharge €	
	• Lever handle set D116 , oval rose escutcheon PC	Standard	Aluminium 75
			Stainless steel 131
	• Lever / knob handle set D116 with knob K160 , oval rose escutcheon PC		Aluminium 140
			Stainless steel 206
	• TS 5000 ISM with slide rail • Fitting on opening side (hinge side) • Opening angle 173°	Standard	Silver-coloured 611
			RAL to choose 760
	• Mortice lock BKS 1828 including espagnolette lock (fixed leaf)		Standard
	• Mortice lock BKS 1821 for change-over function B including anti-panic espagnolette lock	Anti-panic function double-leaf	695
	• Mortice lock BKS 1825 for passage function D including anti-panic espagnolette lock	Anti-panic function double-leaf	534
	• Mortice lock BKS 1827 for anti-panic function E including anti-panic espagnolette lock	Anti-panic function double-leaf	539
	• Standard door hinge (Dr. Hahn 4), 20 mm pivot point, two-part, 3-way adjustable ⚠ Please take into consideration 2 hinges per leaf, 3 hinges each for use with an operator	EV1	Standard
		RAL to choose	59
		Stainless steel look	82
	• Steel screw-on guide roller, two-part, 3-way adjustable ⚠ Please take into consideration 2 hinges per leaf, 3 hinges each for use with an operator	RAL to choose	82
		Stainless steel	117
		Smoke-tight acc. to DIN 18095 / DIN EN 1634-3	
	Retractable bottom seal • For fitting on a smooth, level floor	Double-leaf	Standard
	Floor covering transition profile Stainless steel flat material 38 x 1.2 mm, optional e.g. for tiles or carpeted floor	Double-leaf	69

Accessories

Glazings and infills	See from page 288
Horizontal rails / vertical rails	see page 303
Fittings	See from page 294
Lever handle sets, profile cylinders, locks and electric extras	
Door closers, hold-open devices and operators	See from page 310

S / RS 200 N-Line and S-Line – steel hollow profiled section door

Smoke-tight door assemblies, double-leaf

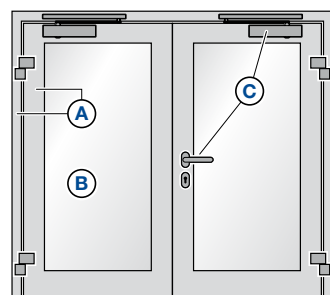
	S/RS 200 N-Line		S/RS 200 S-Line	
	With fascia frame	With steel frame	With fascia frame	With steel frame
Depth [mm]	60 mm			
RAM width (min – max) [mm]	1355 – 2890	1251 – 2786	1317 – 2850	1251 – 2786
RAM height (min – max) [mm]	1759 – 3020	1707 – 2968	1740 – 3001	1707 – 2968
Approved as	Smoke-tight internal door			
Optional additional functions	  			

Detailed product description

Technical description, fitting instructions, division dimensions, fast-track programme

S/RS 200 N-Line and S-Line

see page 230



Set price =

- Ⓐ Frame / leaf
- + Ⓑ Glazings
- + Ⓒ Door fitting / additional function

Already included in the price:

- 2 × retractable bottom seal
- 1 × mortice lock BKS 1828, incl. espagnolette lock (fixed leaf)
- 4 × 3-way adjustable door hinge Dr. Hahn 4, EV 1, 20 mm pivot point, two-part

Larger RAM on request

► State opening sense on order!

* For an overview of available surface finishes, see page 224



Frame / leaf

Ordering sizes (RAM) up to width × up to height			Frame / door leaf price S/RS 200 N-Line and S-Line RAL 9016	m ² Glazing area	Surface coating * Surcharge		
					Preferred colour	RAL to choose	Special colour
2520	×	2010	3916	3,88	271	352	526
		2135	3979	4,15	276	359	538
		2290	4058	4,48	282	366	551
		2385	4105	4,68	289	376	562
		2510	4307	4,95	293	381	572
		2600	4381	5,14	297	386	578
		2710	4450	5,38	301	391	588
		2885	4518	5,75	310	403	604
		3000	4581	5,99	313	407	611
2645	×	2010	3974	4,11	276	359	538
		2135	4039	4,39	281	365	547
		2290	4120	4,74	290	377	565
		2385	4169	4,96	292	380	570
		2510	4379	5,24	298	387	579
		2600	4456	5,44	301	391	588
		2710	4526	5,69	309	402	602
		2885	4597	6,09	314	410	615
		3000	4662	6,34	318	415	623
2770	×	2010	4032	4,34	278	361	541
		2135	4099	4,63	285	371	558
		2290	4183	5,00	293	381	572
		2385	4233	5,23	297	386	578
		2510	4451	5,53	301	391	588
		2600	4530	5,74	306	396	594
		2710	4603	6,01	313	407	611
		2885	4676	6,42	318	415	623
		3000	4743	6,70	325	421	633
2850	×	2010	4070	4,48	284	370	556
		2135	4138	4,79	292	380	570
		2290	4223	5,17	298	387	579
		2385	4274	5,41	301	391	588
		2510	4497	5,71	309	402	602
		2600	4577	5,94	313	407	611
		2710	4652	6,21	316	412	618
		2885	4727	6,64	325	421	633
		3000	4795	6,92	331	431	647

► For additional size ranges, see next page

Glazings, door fittings, additional functions

S / RS 200 – steel hollow profiled section door



B

Glazing (standard delivery glass / panel separate)

Surcharge €

Fitting of the glass or panel at the factory (observe the order information on page 221!)

Per leaf

189

For interior applications

No.

max. glass dimensions

Per m² €

Standard glazing, laminated safety glass 8 mm

525

2600 × 4500 mm

110

Glazing laminated safety glass 10 mm

527

2600 × 4500 mm

151

Glazing laminated safety glass 6 mm with matt plastic film

528

2250 × 2333 mm

148

Glazing single-pane safety glass 8 mm

524

2400 × 4500 mm

170

Glazing single-pane safety glass 10 mm

526

2400 × 4500 mm

228

Steel panel

1250 × 2500 mm

445

Steel glass panel (2 × steel sheet, acoustic insulation glass on the inside)


1250 × 2500 mm

753

C

Door fitting / additional function

Surcharge €



Lever handle set D116, oval rose escutcheon PC


Standard

Aluminium

75

Stainless steel

131



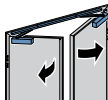
Lever / knob handle set D116 with knob K160, oval rose escutcheon PC

Aluminium

140

Stainless steel

206



TS 5000 ISM with slide rail

Standard

Silver-coloured


611

Fitting on opening side (hinge side)

Opening angle 173°


RAL to choose

760



Mortice lock BKS 1828 including espagnolette lock (fixed leaf)

Standard



Mortice lock BKS 1821 for change-over function B including anti-panic espagnolette lock

Anti-panic function double-leaf

695

Mortice lock BKS 1825 for passage function D including anti-panic espagnolette lock


Anti-panic function double-leaf

534

Mortice lock BKS 1827 for anti-panic function E including anti-panic espagnolette lock

Anti-panic function double-leaf

539



Standard door hinge (Dr. Hahn 4), 20 mm pivot point, two-part, 3-way adjustable

EV1

Standard


Please take into consideration 2 hinges per leaf, 3 hinges each for use with an operator

RAL to choose

59

Stainless steel look

82



Steel screw-on guide roller, two-part, 3-way adjustable

RAL to choose


82

Please take into consideration 2 hinges per leaf, 3 hinges each for use with an operator

Stainless steel

117

Smoke-tight acc. to DIN 18095 / DIN EN 1634-3




Retractable bottom seal

Double-leaf

Standard

For fitting on a smooth, level floor



Floor covering transition profile

Double-leaf

69



Stainless steel flat material 38 × 1.2 mm, optional e.g. for tiles or carpeted floor

Accessories

Glazings and infills	See from page 288
Horizontal rails / vertical rails	see page 303
Fittings Lever handle sets, profile cylinders, locks and electric extras	See from page 294
Door closers, hold-open devices and operators	See from page 310

S / RS 300 – steel fixed glazing

Smoke-tight glazing – for doors and walls as a transom light, side element or fixed glazing

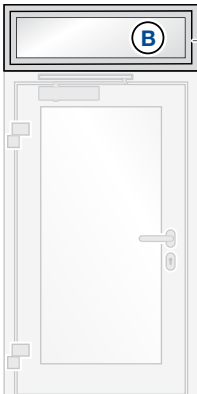


	S/RS 300	
	N-Line	S-Line
Depth [mm]	60 mm	
RAM width (min – max) [mm]	Unlimited	Unlimited
RAM height (min – max) [mm]	4500	4500
Approved as	Interior smoke-tight glazing	
Optional additional functions	 	

Detailed product description

Technical description, fitting instructions, division dimensions, fast-track programme

S/RS 300

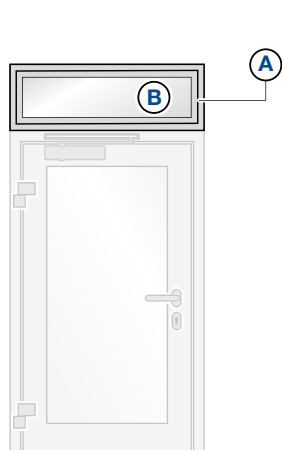
see page 231

Fixed glazing S / RS 300									
Ordering sizes (RAM) up to width × up to height			Frame price		m ² Glazing area ¹⁾	Surface coating ²⁾ Surcharge			
			S/RS 300 RAL 9016			Preferred colour	RAL to choose	Special colour	
 Transom light	520	×	510	532	0,50	41	52	79	
			635	561	0,50	45	56	85	
			760	590	0,50	47	60	92	
			885	618	0,50	52	68	102	
			1040	647	0,50	58	76	114	
			1135	676	0,50	59	77	117	
			1260	700	0,50	64	83	125	
			1395	724	0,54	68	87	132	
			1500	753	0,58	69	88	134	
 Side element	645	×	510	561	0,50	45	56	85	
			635	594	0,50	48	62	93	
			760	627	0,50	53	70	105	
			885	659	0,50	59	77	117	
			1040	686	0,51	64	83	125	
			1135	711	0,56	67	86	131	
			1260	736	0,63	69	88	134	
			1395	762	0,70	72	94	141	
			1500	795	0,76	74	97	145	
 Fixed glazing	770	×	510	589	0,50	48	62	93	
			635	626	0,50	53	70	105	
			760	661	0,50	60	79	118	
			885	686	0,52	63	82	124	
			1040	717	0,63	68	87	132	
			1135	745	0,69	71	93	139	
			1260	772	0,77	72	94	141	
			1395	802	0,86	76	99	149	
			1500	839	0,93	76	99	149	
Set price = Ⓐ Frame + Ⓑ Glazing	895	×	510	617	0,50	51	67	100	
			635	657	0,50	58	76	114	
			760	687	0,52	64	83	125	
			885	715	0,62	68	87	132	
			1040	748	0,74	71	93	139	
			1135	778	0,82	74	97	145	
			1260	807	0,92	76	99	149	
			1395	840	1,03	77	101	152	
			1500	882	1,11	80	103	156	

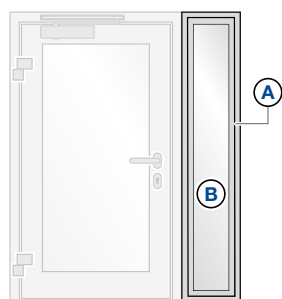
Larger RAM in width and height on request.

1) Minimum calculation surface 0.5 m²

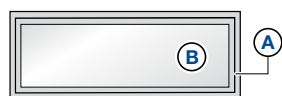
2) For an overview of available surface finishes, see page 224



Transom light



Side element



Fixed glazing

Set price =

- (A) Frame
+ (B) Glazing

A

Fixed glazing S / RS 300

Ordering sizes (RAM) up to width × up to height	Frame price S/RS 300 RAL 9016	m ² Glazing area ¹⁾	Surface coating ²⁾ Surcharge		
			Preferred colour	RAL to choose	Special colour
1020 × 510	646	0,50	56	74	110
	680	0,50	63	82	124
	713	0,60	68	87	132
	743	0,72	71	93	139
	779	0,86	75	98	146
	812	0,95	76	99	149
	843	1,06	77	101	152
	879	1,19	81	104	157
1145 × 510	925	1,28	82	107	160
	667	0,50	60	79	118
	703	0,56	68	87	132
	738	0,69	69	88	134
	770	0,82	72	94	141
	810	0,98	77	101	152
	845	1,08	79	102	153
	880	1,21	81	104	157
1270 × 510	917	1,35	85	111	167
	968	1,46	87	114	172
	689	0,50	64	83	125
	726	0,62	69	88	134
	765	0,77	72	94	141
	798	0,91	76	99	149
	840	1,10	80	103	156
	879	1,21	81	104	157
1270 × 635	916	1,35	85	111	167
	957	1,51	87	114	172
	1012	1,63	93	120	180

Larger RAM in width and height on request.

1) Minimum calculation surface 0.5 m²

2) For an overview of available surface finishes, see page 224

► For additional size ranges, see next page

B

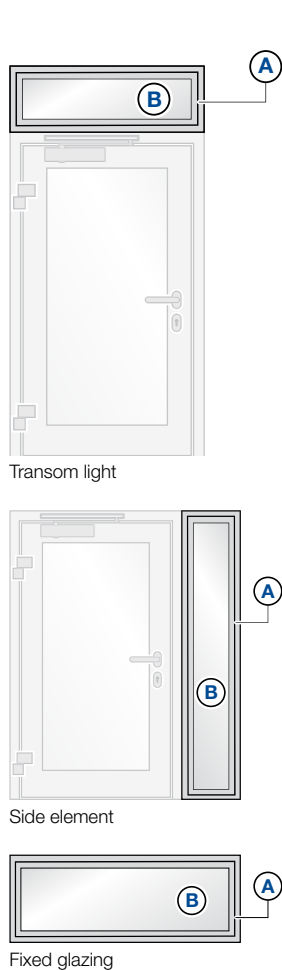
Glazing (standard delivery glass / panel separate)

Fitting of the glass or panel at the factory (observe the order information on page 221!)

			Per leaf	Surcharge €
For interior applications				
No.	max. glass dimensions	Per m ² €		
525	2600 × 4500 mm	110		
527	2600 × 4500 mm	151		
528	2250 × 2333 mm	148		
524	2400 × 4500 mm	170		
526	2400 × 4500 mm	228		
	1250 × 2500 mm	445		
	1250 × 2500 mm	753		

Accessories

Special glass	See from page 286
Optional extras	See from page 290
Horizontal rails / vertical rails	see page 303
Arches, chamfers and recesses	See from page 304



Set price =
A Frame
 + **B** Glazing

A

Fixed glazing S / RS 300									
Ordering sizes (RAM) up to width × up to height			Frame price		m² Glazing area 1)	Surface coating 2) Surcharge			
			S/RS 300 RAL 9016			Preferred colour	RAL to choose	Special colour	
1895	×	510	791		0,73	76	99	149	
		635	843		0,96	80	103	156	
		760	894		1,18	85	111	167	
		885	939		1,40	87	114	172	
		1040	996		1,68	94	123	184	
		1135	1046		1,85	98	127	191	
		1260	1096		2,08	100	129	195	
		1395	1151		2,32	104	135	203	
2020	×	1500	1227		2,51	107	139	209	
		510	813		0,78	79	102	153	
		635	866		1,02	82	107	160	
		760	920		1,26	85	111	167	
		885	967		1,50	92	119	178	
		1040	1027		1,80	97	125	187	
		1135	1081		1,98	100	129	195	
		1260	1132		2,22	103	134	202	
2145	×	1395	1190		2,48	110	144	215	
		1500	1271		2,68	114	149	224	
		510	833		0,83	80	103	156	
		635	890		1,09	83	108	162	
		760	946		1,34	87	114	172	
		885	994		1,60	94	123	184	
		1040	1058		1,92	99	128	192	
		1135	1114		2,11	102	133	199	
		1260	1168		2,37	105	137	207	
		1395	1228		2,64	114	149	224	
		1500	1313		2,86	117	151	227	

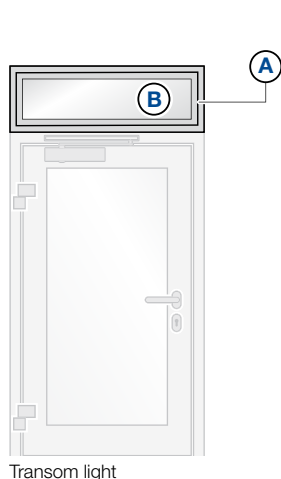
Larger RAM in width and height on request.

- 1) Minimum calculation surface 0.5 m²
 2) For an overview of available surface finishes, see page 224
 ► For additional size ranges, see next page

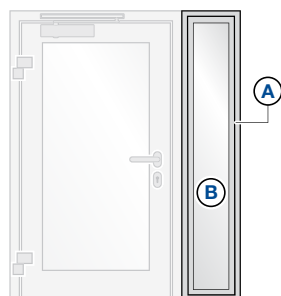
B Glazing (standard delivery glass / panel separate)				Surcharge €
Fitting of the glass or panel at the factory (observe the order information on page 221!)				
For interior applications			No.	Per leaf
				max. glass dimensions
				Per m ² €
Standard glazing, laminated safety glass 8 mm			525	2600 × 4500 mm
Glazing laminated safety glass 10 mm			527	2600 × 4500 mm
Glazing laminated safety glass 6 mm with matt plastic film			528	2250 × 2333 mm
Glazing single-pane safety glass 8 mm			524	2400 × 4500 mm
Glazing single-pane safety glass 10 mm			526	2400 × 4500 mm
Steel panel				1250 × 2500 mm
Steel glass panel (2 × steel sheet, acoustic insulation glass on the inside)				1250 × 2500 mm

Accessories

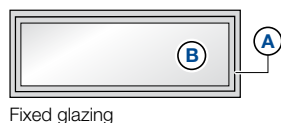
Special glass	See from page 286
Optional extras	See from page 290
Horizontal rails / vertical rails	see page 303
Arches, chamfers and recesses	See from page 304



Transom light



Side element



Fixed glazing

Set price =

Ⓐ Frame

+ Ⓑ Glazing

A

Fixed glazing S / RS 300

Ordering sizes (RAM) up to width × up to height	Frame price S/RS 300 RAL 9016	m ² Glazing area ¹⁾	Surface coating ²⁾ Surcharge		
			Preferred colour	RAL to choose	Special colour
2770 × 510	1173	1,09	90	118	177
	1242	1,42	96	124	185
	1311	1,76	100	129	195
	1372	2,09	104	135	203
	1451	2,50	115	150	225
	1521	2,76	118	153	230
	1587	3,09	123	159	239
	1663	3,45	129	169	254
2850 × 510	1770	3,73	133	174	260
	1189	1,12	93	120	180
	1260	1,46	98	127	191
	1330	1,81	101	132	198
	1391	2,15	107	139	209
	1472	2,58	117	151	227
	1542	2,84	121	158	238
	1609	3,18	125	162	244
2850 × 635	1687	3,55	132	172	257
	1797	3,84	136	178	266

Larger RAM in width and height on request.

1) Minimum calculation surface 0.5 m²

2) For an overview of available surface finishes, see page 224

► For additional size ranges, see next page

B

Glazing (standard delivery glass / panel separate)

Fitting of the glass or panel at the factory (observe the order information on page 221!)

			Surcharge €
			Per leaf
			189
For interior applications	No.	max. glass dimensions	Per m² €
Standard glazing, laminated safety glass 8 mm	525	2600 × 4500 mm	110
Glazing laminated safety glass 10 mm	527	2600 × 4500 mm	151
Glazing laminated safety glass 6 mm with matt plastic film	528	2250 × 2333 mm	148
Glazing single-pane safety glass 8 mm	524	2400 × 4500 mm	170
Glazing single-pane safety glass 10 mm	526	2400 × 4500 mm	228
Steel panel		1250 × 2500 mm	445
Steel glass panel (2 × steel sheet, acoustic insulation glass on the inside)		1250 × 2500 mm	753

Accessories

Special glass	See from page 286
Optional extras	See from page 290
Horizontal rails / vertical rails	see page 303
Arches, chamfers and recesses	See from page 304

Good reasons to try Hörmann steel loft doors



Industrial style for living areas and workspaces

**Large glazings with
high-quality steel profiles**

HÖRMANN

Accessories and fittings

for steel tubular frame parts

Contents

Accessories and fittings for steel tubular frame parts		From page
Glass and panel infills	For fire-rated doors	286
	For smoke-tight doors	288
Acoustic values for elements with glass	For fire-rated doors	287
	For smoke-tight doors	289
Hinge systems	T30	290
Bottom seals and door bottom edges		291
RC 2 security equipment acc. to DIN EN 1627	Without escape door function	292
	Including escape door function	293
Lever handle sets		294
Lever / knob handle sets		295
Push bars / touch bars according to DIN EN 1125 as well as push handles		296
Finger trap protection, door stops		297
Locking systems	Single-point locking	298
	Multiple-point locking	299
Electric extras and locks		300
Reed contacts, latch switching contacts, fixing material		301
Extensions, couplings and statics profiles		302
Vertical and horizontal rails, crossing points		303
Arches, chamfers and recesses		304
Hold-open devices and accessories		305
Fittings and optional extras for T90 fire-rated doors		306
Door closers and hold-open devices	HL 310 as well as S / RS 100 and S / RS 100 S-Line	308
	HL 320 as well as S / RS 200 and S / RS 200 S-Line	310
Operators	HDO 200 / HDO 300	314
	Dorma	320
	GEZE	324

Glass and panel infills

For steel fire-rated doors

F30

Item	Article		Glass number	Max. glass dimensions in mm	Infill thickness in mm	dB value Glass / panel	Minimum calculation surface	Per m²
Panel infill								
Surcharge per m² panel surface in €								
Fire protection panels								
		Fire protection panel consisting of:						
1	F30		502	1200 × 2500	29	–	0.5 m²	533
2		2 × sheet steel, inside with fire-proof core	506	1400 × 3000	34	–	0.5 m²	596
3		2 × sheet steel, inside with fire-proof core	503	1400 × 3000	29	35	0.5 m²	609
4	F90	2 × sheet steel, inside with fire-proof core	541	1200 × 2500	44	–	0.5 m²	797
Glass infill								
Surcharge per m² glass surface in €								
Fire-proof glass								
5	F30	Standard glazing	521	1400 × 2500	16	38	0.5 m²	797
6		Structure crepi (504) on one side	704	1400 × 2500	22	40	0.5 m²	1442
7		With matt PVB film	687	1400 × 2500	30	43	0.5 m²	1102
8	F90	Standard glazing (UV protection on both sides)	647	1400 × 2820	40	45	0.5 m²	1963
9		With matt PVB film	563	1400 × 2900	40	44	0.5 m²	4048
Insulated fire-proof glass								
10	F30	Insulated glass (standard glass in external applications), U-value 1.1	407	1250 × 3000	44	41	0.5 m²	1464
11		Insulated glass with matt PVB film	555	1250 × 3000	44	41	0.5 m²	2012
RC Break-in-resistant glass								
12	F30	As P4A (for RC 2)	398	1400 × 2500	30	43	0.5 m²	1306
13		As P5A (for RC 3)	715	1250 × 2400	30	43	0.5 m²	1339
Insulated break-in-resistant glass								
14	F30	Insulated glass as P4A (for RC 2), U-value 1.3	406	1200 × 2500	43	42	0.5 m²	1768
15		Insulated glass as P4A (for RC 2) with matt PVB film, U-value 1.0	759	1400 × 2500	45	41	0.5 m²	2293
16		Insulated glass as P5A (for RC 3), U-value 1.2	498	1200 × 2200	46	42	0.5 m²	2293
Insulated acoustic-rated glass								
17	F30	F1-30 (acoustic insulation)	415	1400 × 3300	35	45	0.5 m²	1618
		Type 1-S (acoustic-rated with transparent film)	397	1400 × 2800	39	46	0.5 m²	1585
18		Type 2-S (acoustic-rated with matt plastic film)	708	1400 × 2800	40	45	0.5 m²	2060
Insulated acoustic-rated glass								
19	F30	Insulated acoustic-rated glass U-value 3.0	666	1400 × 2500	32	45	0.5 m²	1782
TRAV Glass as anti-fall glazing (DIN 18008)								
20	F30	Glass for TRAV application	714	1400 × 2500	31	42	0.5 m²	1260
21			753	1400 × 3300	31	42	0.5 m²	1442




Note:

- Glass with PVB film is suitable for use at sites exposed to UV radiation.
- The above-named surcharges (price reduction from standard fittings and add-on parts accounted for!) are only valid in combination with a door order. Prices for single delivery on request.

Acoustic insulation for elements with glass

For steel fire-rated doors


F30

Acoustic insulation requirements		Required features			
Product	Acoustic value $R_{w,P}$ (test value)		Bottom edge	Infill	Acoustic value (dB value) glass / panel
T30/F30					
HL 310	34 dB		Retractable bottom seal	Standard panels	≥ 35 dB
	35 dB			Glass	≥ 38 dB
	36 dB ¹⁾			Glass	≥ 38 dB
	36 dB			Glass	40 dB
	37 dB ¹⁾			Glass	≥ 40 dB
	39 dB ¹⁾			Glass	≥ 44 dB
	42 dB ²⁾			Glass	≥ 46 dB
HL 320	33 dB		Retractable bottom seal	Glass	38 dB
	34 dB ¹⁾			Glass	≥ 38 dB
	36 dB			Glass	40 dB
	35 dB ¹⁾			Glass	≥ 40 dB
	37 dB ¹⁾			Glass	≥ 44 dB
	42 dB ²⁾			Glass	≥ 46 dB
				Glass	≥ 46 dB
HL 330	37 dB		-	Glass	≥ 38 dB
	38 dB			Glass	≥ 39 dB
	42 dB			Glass	≥ 44 dB
	43 dB			Glass	≥ 46 dB

1) In combination with infill next to the bottom seal

2) In combination with insulation for the bottom profile and 8 mm gap

Bottom profile – acoustic insulation

 ! Only for use with the corresponding glass / panel ≥ 45 dB and retractable bottom seal

Acoustic insulation – bottom profile to achieve 42 dB with HL 310/HL 320

Per m

178

Note:

R_w : The sound reduction index R_w is a pure component parameter and is determined on the test bench without bypass transmission values.

The acoustic values listed in these tables are $R_{w,P}$ values (measured values).

The tolerance allowance acc. to DIN 4109 when fitted ($R_{w,R}$) must be taken into account as follows:

- For doors: $R_{w,R} = R_{w,P}$ minus 5 dB
- For fixed glazing: $R_{w,R} = R_{w,P}$ minus 2 dB
- With the $R_{w,R}$ value, flanking sound transmission through the components is taken into account.

Glazings and panels

For smoke-tight door assemblies – steel



Note:

The infill dimensions can be calculated either via the statics program or based on the coupling elements:
RAM – profile view + on each side 15 mm glass recess

Item	Glass type	Glass number	Max. glass dimensions in mm	Infill thickness in mm	U _G -value W/(m ² ·K)	R _w -value dB Glass	Minimum calculation surface	Per m ² of glass
Special glass								
S / RS 100, S / RS 200 and S / RS 300 and S-Line								
Panel								
1	Steel panel:	Plywood 6 mm and 2 × 1.5 mm sheet steel		Max. door dimension			0.5 m ²	442
2	Steel glass panel	2 × steel sheet, acoustic insulation glass on the inside		Max. door dimension			0.5 m ²	753
Glass								
3	Laminated safety glass	6 mm	033	2250 × 2333	6	30	0.5 m ²	94
4		8 mm (standard)	525	2250 × 3210	8	35	0.5 m ²	110
5		10 mm	527	2250 × 3210	10	35	0.5 m ²	151
6		With matt film	528	2250 × 2333	6	30	0.5 m ²	148
7		P2A (A1)	698	2250 × 3210	9	34	0.5 m ²	141
8		P5A	791	2250 × 3210	10	38	0.5 m ²	310
9	One-way laminated plate glass		693	1400 × 2500	7	30	0.5 m ²	1131
10	Single-pane safety glass	6 mm (standard)	032	2100 × 3660	6	32	0.5 m ²	127
11		8 mm	524	2400 × 4500	8	34	0.5 m ²	170
12		10 mm	526	2400 × 4500	10	35	0.5 m ²	228
13		Ornament 504 (structure 200)	079	1800 × 3100	6	34	0.5 m ²	287
14		Satinato 6 mm	080	1800 × 3100	6	32	0.5 m ²	287
15		Satinato 8 mm	087	1800 × 3100	8	34	0.5 m ²	360
16	Insulated glass made of:	2 × laminated safety glass 6 mm	226	2000 × 3000	24	3,0	0.5 m ²	291
17	Insulated acoustic-rated glass	Laminated safety glass 44.1	575	2250 × 3210	8	37	0.5 m ²	247
18		Laminated safety glass 1010.2	059	2250 × 3210	20	43	0.5 m ²	431
19		CLIMAPLUS ULTRA XN SILENCE	450	2000 × 3000	38	48	0.5 m ²	595

Glass for anti-fall glazing according to DIN 18008

On request

Note:

- Glass with PVB film is suitable for use at sites exposed to UV radiation.
- The above-named surcharges are only valid in combination with a door order. Prices for single delivery on request.

Acoustic insulation for elements with glass

For smoke-tight door assemblies – steel



Acoustic insulation requirements		Required features	
Product	Acoustic value $R_{w,P}$ (test value)	Bottom edge	Acoustic value (dB value) glass / panel
S/RS N-Line and S-Line			
S / RS 100 N-Line and S-Line	33 dB ¹⁾	Retractable bottom seal	≥ 30 dB
	34 dB ¹⁾		≥ 35 dB
	36 dB ¹⁾		≥ 40 dB
	42 dB ²⁾		≥ 46 dB
S / RS 200 N-Line and S-Line	33 dB ¹⁾		≥ 30 dB
	34 dB ¹⁾		≥ 35 dB
	36 dB ¹⁾		≥ 40 dB
	42 dB ²⁾		≥ 46 dB
S / RS 300 N-Line and S-Line	32 dB	–	≥ 32 dB
	34 dB		≥ 35 dB
	36 dB		≥ 40 dB
	37 dB		≥ 40 dB
	44 dB ³⁾		48 dB

- 1) In combination with infill next to the bottom seal
 2) In combination with insulation for the bottom profile and 8 mm gap
 3) Profiles filled with mineral wool

Bottom profile – acoustic insulation

⚠ ! Only for use with the corresponding glass / panel ≥ 45 dB and retractable bottom seal

Acoustic insulation – bottom profile to achieve 42 dB with S/RS 100/ S/RS 200

Per m **178**

Note:

R_w : The sound reduction index R_w is a pure component parameter and is determined on the test bench without bypass transmission values.

The acoustic values listed in these tables are $R_{w,P}$ values (measured values).

The tolerance allowance acc. to DIN 4109 when fitted ($R_{w,R}$) must be taken into account as follows:

- For doors: $R_{w,R} = R_{w,P}$ minus 5 dB
- For fixed glazing: $R_{w,R} = R_{w,P}$ minus 2 dB
- With the $R_{w,R}$ value, flanking sound transmission through the components is taken into account.

Hinge systems

For steel fire-rated and smoke-tight doors



T30

HL 3x0, S/RS x00:

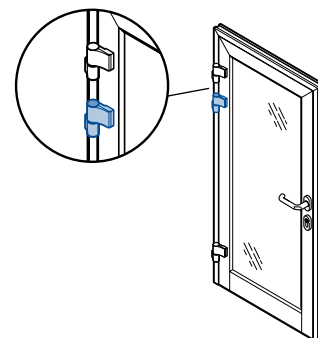
Standard version (included in the price)

With two 3-way adjustable hinges. Surface finish EV1, 2-part version, pivot point 20 mm.

Notes:

Optional 3rd hinge at a surcharge.

Three hinges (top hinge pair) must be taken into account when using operators!



		Surcharge €		
		EV1	RAL colours Special colours	Stainless steel look
3-way adjustable hinge				
Standard hinge, 2-part		Standard	59	82
Standard hinge, 2-part, as an additional 3rd hinge		85	145	167
3-part hinge, optional		80	139	161
3-part hinge, optional, as additional 3rd hinge		164	225	247




Surcharge for 3-way adjustable hinge with 36 mm pivot point for 90° opening in the passage area

per hinge

19

Note:

For hinges with a 36 mm pivot point, a 90° opening in the passage area is provided.

		Surcharge €	
		Stainless steel	RAL colours Special colours
Guide roller			
Weld-on guide roller		108	76
Weld-on guide roller as an additional third hinge		172	120
 In general 3 weld-on hinges are fitted for steel roller weld-on hinges			
3-way screw-on guide roller		117	81
3-way screw-on guide roller as third hinge		180	136

Concealed hinge	Galvanized blue	187
Concealed hinge as a third hinge	Galvanized blue	255
Tool kit for weld-on hinges	Blasotop	33
The hinges must be greased at least every 50,000 cycles. This can be done without needing to unhinge the leaf using this tool kit.	Food grease	146
	Lubricating nipple	81

Bottom seals / door bottom edges

For steel fire-rated and smoke-tight doors

T30



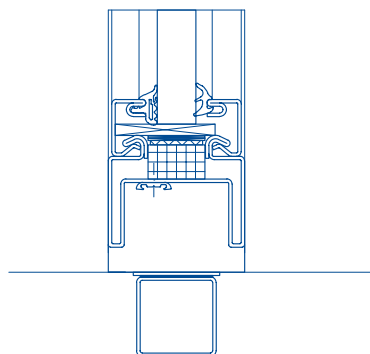
Notes:

- Fast-track programme
- Standard programme

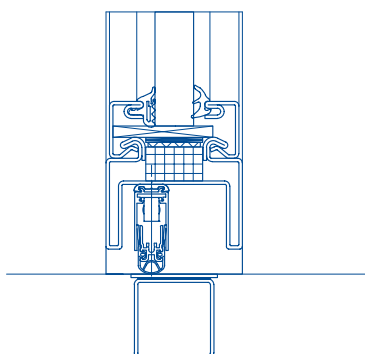
The named surcharges (price reduction from standard fittings and add-on parts accounted for!) are only valid in combination with a door order. Prices for single delivery on request.

Bottom seals / door bottom edges				Surcharge €			
RS For smoke-tight version acc. to DIN 18095 / DIN EN 1634-3, optional acoustic insulation acc. to DIN EN ISO 717							
1	Retractable bottom seal • For fitting on a smooth, level floor	Single-leaf		167	●	●	
		Double-leaf		334	●	●	
	Floor covering transition profile flat stainless steel material • (e.g. for fitting on tiles or carpeted floor)	Single-leaf	38 × 1.2 mm	34	●	●	
		Double-leaf		68			
	Floor covering transition profile flat aluminium material • As substructure for stainless steel flat material	Single-leaf	35 × 3 mm	46	●	●	
		Double-leaf		90			
	2	Bottom spacer profile, 80 mm wide	Per m	35 × 35 mm	111	●	●
				50 × 30 mm	115	●	●
Stainless steel cover strip, 50 × 1.2 mm, for bottom spacer profile			Per m	101	●	●	

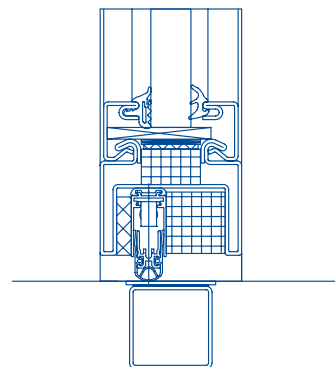
Prepared for retractable bottom seal
(as standard for fire protection)



Retractable bottom seal (for smoke protection)



Retractable bottom seal in conjunction with infill
for increased acoustic insulation requirements



RC 2 security equipment acc. to DIN EN 1627



For steel fire-rated and smoke-tight doors

Notes:

RC 2 security equipment not available for non-insulated smoke-tight doors!

For fixed glazings, transom lights and side elements, only the price for the respective break-in-resistant glass per m² must be calculated.

The named surcharges (price reduction from standard fittings and add-on parts accounted for!) are only valid in combination with a door order. Prices for single delivery on request.

⚠ All prices excluding lever handle set or lever / knob handle set!

Break-in resistance equipment =

Ⓐ Security equipment and glass + Ⓑ Locks

		T30, S/RS x00	T30, S/RS x00 With steel frame
Steel	Size range RC 2		
	Single-leaf doors max.	1500 × 2800 mm	1230 × 2278 mm
	Double-leaf doors max.	2900 × 2800 mm	2800 × 2278 mm

Ⓐ	RC 2	Security equipment without escape door function	Surcharges	T30	RS
1		Standard equipment RC 2	Per door	88	
2		Plus RC 2 glass (P4A)		1394	–
2.1		Plus RC 2 insulated glass (for external applications)	Per m ²	1768	420

B	Locks – multiple-point locking ²⁾		
	RC 2	Break-in resistance equipment RC 2 (no escape door function)	
	Single- and double-leaf doors		Surcharge €
	3	Multiple-point lock GU Secury type DR (3-point, mechanically self-locking) ✓ For single- and double-leaf doors	578
4	Multiple-point lock GU Secury A4 (S5) Automatic (5-point, mechanically self-locking) ✓ For single- and double-leaf doors	930	

- 1) At least 2 three-part hinges must be taken into account for doors opening outwards. Guide rollers are not possible for doors opening outwards!
2) Locks with automatic multiple-point locking must not be combined with electric strikes.

RC 2 security equipment acc. to DIN EN 1627 including escape door function



For steel fire-rated and smoke-tight doors

Notes:

RC 2 security equipment not available for non-insulated smoke-tight doors!

The named surcharges (price reduction from standard fittings and add-on parts accounted for!) are only valid in combination with a door order. Prices for single delivery on request.

⚠ All prices excluding lever handle set or lever / knob handle set!

Break-in resistance equipment =

(A) Security equipment and glass + (B) Locks + (C) Break-in resistant fittings

	T30, S/RS x00	T30, S/RS x00 With steel frame
Size range RC 2 and escape door function acc. to DIN EN 179/1125		
Steel		
Single-leaf doors max.	1500 × 2800 mm	–
Double-leaf doors max.	2900 × 2800 mm	–

(A)	RC2	Security equipment including escape door function	Surcharges	T30	RS
⚠ Doors with side element and / or rails only on request!					
1		RC 2 anti-panic standard equipment	Per door	114	
2		Plus RC 2 glass (P4A) and fire-proof material		1537	–
2.1		Plus RC 2 insulated glass with fire-proof material (P4A for external applications)	Per m²	1910	–
2.2		Plus RC 2 glass (P6B) including material for glass rebate		–	1123

(B)	RC2	Locks – multiple-point locking ¹⁾	Escape doors acc. to DIN EN 179 / DIN EN 1125 and combination with RC 2 break-in resistance equipment	Surcharge €
Single-leaf Doors				
			Anti-panic function	
3		BKS lock Secury 1910, change-over function B for lever handle sets, mechanically self-locking ⚠ For doors opening outwards (glazing bead on opposite hinge side) only possible from 1050 mm RAM width		1094
4		BKS lock Secury 1916 with anti-panic function E for lever / knob handle sets, mechanically self-locking ⚠ For doors opening outwards (glazing bead on opposite hinge side) only possible from 1050 mm RAM width		908
Double-leaf Doors				
			Half anti-panic	
5		BKS lock Secury 1910, change-over function B for lever handle sets, mechanically self-locking ⚠ For doors opening outwards (glazing bead on opposite hinge side) only possible from 2200 mm RAM width		1094
6		BKS lock Secury 1916 with anti-panic function E for lever / knob handle sets, mechanically self-locking ⚠ For doors opening outwards (glazing bead on opposite hinge side) only possible from 2200 mm RAM width		908

1) Locks with automatic multiple-point locking must not be combined with electric strikes, optionally select A opener

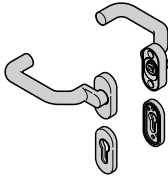

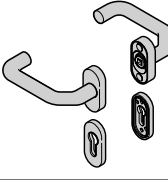

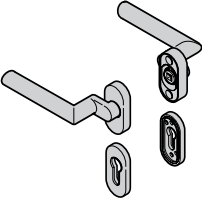
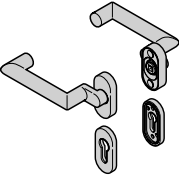



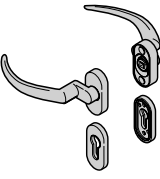





(C)	Break-in resistant fittings	Surcharge €
Break-in-resistant lever handles / lever / knob handle sets for RC2 in combination with escape doors acc. to DIN EN 179		
7	Fire-rated lever handle set type Premium 8830 A FS, including PC rose escutcheon	Stainless steel 406
8	Fire-rated lever handle set type Premium 8999 A FS, including PC rose escutcheon	Aluminium 292 Stainless steel 406
9	Fire-rated lever / knob handle set type Premium 8830 A FS with knob 3548 VO, including PC rose escutcheon	Stainless steel 358
10	Fire-rated lever / knob handle set type Premium 8999 A FS with knob 3548 VO, including PC rose escutcheon	Aluminium 278 Stainless steel 358
Push bars, suitable for RC 2 break-in resistance equipment in combination with escape doors acc. to DIN EN 1125		
11	Push bar type B-7401 (without counter lever / knob) ▶ Anti-panic lock required, not possible in conjunction with SVP locks, can be combined with lever handle, knob or push handle	Aluminium 474 Stainless steel 685
12	Touch bar B-7441 (without counter lever / knob) ▶ Not possible in conjunction with SVP locks, can be combined with lever handle, knob or push handle	Aluminium 755 Stainless steel 1175

Lever handle sets

For steel fire-rated and smoke-tight doors

T30



Lever handle sets (including PC oval rose escutcheons)					Surcharge €		T30	Smoke protection
					ECONomy	FSB – design		
					Type D 115	Type 1070		
1		Type D115 / type 1070 	Aluminium	179	394	●	●	
			Stainless steel	211	604	●	●	
2		Type D116 	Aluminium	93	–	●	●	
			Stainless steel	131	–	●	●	
3		Type D315 / type 1076 ⚠ Not suitable for escape doors acc. to DIN EN 179	Aluminium	160	369	●	●	
			Stainless steel	192	598	●	●	
4		Type D335 / type 1016 	Aluminium	187	423	●	●	
			Stainless steel	219	691	●	●	
5		Type D410 	Aluminium	113	–	●	●	
			Stainless steel	145	–	●	●	
6		Type D415 / type 1053 	Aluminium	160	395	●	●	
			Stainless steel	198	691	●	●	
Single lever handle / knob suitable for escape doors acc. to DIN EN 179								
7		Type D116 single handle, e.g. for fixed leaves of double-leaf doors with anti-panic function acc. to DIN EN 179 	Aluminium				45	
			Stainless steel				77	
8		Type K160 knob 	Aluminium				118	
			Stainless steel				161	
Further lever handle sets Lever handle sets by FSB, HEWI, DORMA, Vieler, etc.					On request			

Note:

Lever handle and lever / knob handle sets are included separately

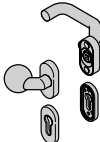

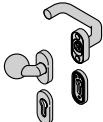

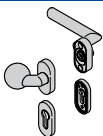


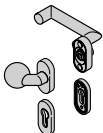

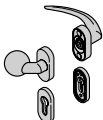




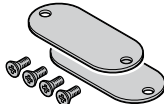
- Fast-track programme
- Standard programme

Lever handles labelled with this symbol are suited both for escape doors acc. to DIN EN 179 as well as doors without escape door function. Please state desired function on order!

Lever / knob handle sets

For steel fire-rated and smoke-tight doors



Lever / knob handle sets (lever / knob handle set with button, including PC oval rose escutcheons)					Surcharge €		T30	Smoke protection
					ECONomy	FSB – design		
1		Type D115 / knob K160 Type 1070 / knob 0846		Aluminium	Type D 115 190	Type 1070 359	●	●
				Stainless steel	246	557	●	●
2		Type D116 / knob K160		Aluminium	Type D 116 140	–	●	●
				Stainless steel	206	–	●	●
3		Type D315 / knob K160 Type 1076 / knob 0846  Not suitable for escape doors acc. to DIN EN 179		Aluminium	Type D 315 181	Type 1076 358	●	●
				Stainless steel	235	565	●	●
4		Type D335 / knob K160 Type 1016 / knob 0846		Aluminium	Type D 335 196	Type 1016 372	●	●
				Stainless steel	249	600	●	●
5		Type D410 / knob K160		Aluminium	Type D 410 158	–	●	●
				Stainless steel	211	–	●	●
6		Type D415 / knob K160 Type 1053 / knob 0846		Aluminium	Type D 415 181	Type 1023 / 1053 360	●	●
				Stainless steel	239	600	●	●
7		Knob°0802 Knob°0829		Aluminium	FSB – design			
				Stainless steel	No surcharge			
8		Set: cylinder cover		Aluminium	5,30	●	●	

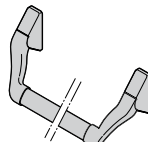
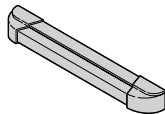
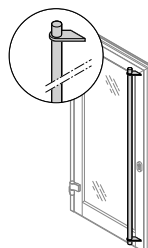
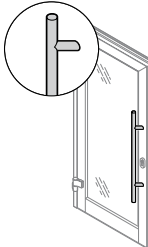
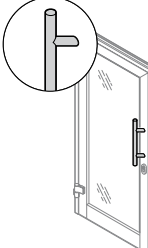
Lever handles labelled with this symbol are suited both for escape doors acc. to DIN EN 179 as well as doors without escape door function. Please state desired function on order!

Push bars / touch bars according to DIN EN 1125 as well as push handles

For steel fire-rated and smoke-tight doors

T30



Push bars, suitable for escape doors acc. to DIN EN 1125				Surcharge €	T30	Smoke protection
1		Push bar type B-7401 (without counter lever / knob) ▶ Anti-panic lock required ▶ Not possible in combination with SVP locks ▶ Can be combined with lever handle, knob or push handle	Aluminium	474	●	●
			Stainless steel	685	●	●
2		Touch bar B-7441 (without counter lever / knob) ▶ Not possible in combination with SVP locks ▶ Can be combined with lever handle, knob or push handle	Aluminium	755	○	○
			Stainless steel	1175	○	○
Stainless steel push handles				Surcharge €		
Item	View	Article				
3		G 32, stainless steel push bar with angled support brackets, for vertical fitting • Height ≤3000 mm with 2 support brackets	Up to 3000 mm	796	○	○
4		G 31, stainless steel handle with 2 angled support brackets, for vertical fitting.	Length 600 mm	213	○	○
			Length 1200 mm	386		
5		G 14-2, stainless steel handle with 2 angled support brackets, for vertical fitting.	Length 210 mm	203	○	○
Additional push handles / push bars				On request		

Operators for fire-rated doors

See from page 314

- Fast-track programme
- Standard programme

Finger trap protection, door stops

For steel fire-rated and smoke-tight doors

T30

T90



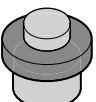
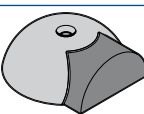
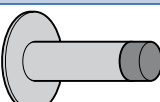
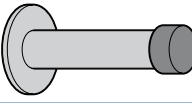

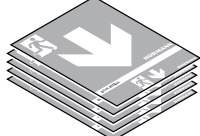
Finger trap protection for doors without operator				€
Finger trap protection on one side, for inside use				No. 25
1	Finger trap protection, anodised silver, cloth in black		Each	423
2	Finger trap protection RAL 9016, RAL 7016 or anodised stainless steel, cloth in black	Standard length 1925 mm	Each	470
3	Finger trap protection, RAL to choose, cloth in black		Each	527
4	Finger trap protection, anodised silver, cloth in black		Per metre	298
5	Finger trap protection RAL 9016, RAL 7016 or anodised stainless steel, cloth in black		Per metre	328
6	Finger trap protection, RAL to choose, cloth in black		Per metre	386
Finger trap protection, on one side, for version with guide roller, for hinge side only				No. BO-23
7	Finger trap protection, two-part, anodised silver	Standard length 1950 mm	Each	274
8	Finger trap protection, 2-part, RAL 9016	(to cut to size)	Each	307
9	Finger trap protection, anodised silver		Per metre	189
10	Finger trap protection RAL 9016		Per metre	211
Finger trap protection, on one side, for doors with outside application				No. 26
11	Finger trap protection, anodised silver, cloth in Anthracite		Each	545
12	Finger trap protection, RAL 9016, RAL 7016 or anodised stainless steel, cloth in Anthracite	Standard length 1925 mm	Each	599
13	Finger trap protection, RAL to choose, cloth in Anthracite		Each	657
14	Finger trap protection, anodised silver, cloth in Anthracite		Per metre	380
15	Finger trap protection RAL 9016, RAL 7016 or anodised stainless steel, cloth in Anthracite		Per metre	416
16	Finger trap protection, RAL to choose, cloth in Anthracite		Per metre	474

Finger trap protection for automatic doors acc. to EN 16005

See page 212

Operators for fire-rated doors

See from page 206

	Type	Dimensions	€
Door stops for floor fitting			
	Aluminium	FSB 38 3881	Ø 45 mm / height 34 mm
	Stainless steel		
			Each 33
	Stainless steel	BS 65	ø 65 mm / height 22 mm
			Each 31
Door stops for wall fitting			
	Stainless steel	WS 82	Ø 19 mm / 50 mm
			Length 82 mm
			Each 36
	Stainless steel	WS 96	Ø 24 mm / 45 mm
			Length 96 mm
			Each 36
Accessories			
	Door label set "Push/Pull"		Set with 5 pairs of stickers
			12,50
	Sticker set escape route		Set with 5 stickers
	Each sticker contains two separate adhesive areas for door leaf and push bar / touch bar		14,70

Lock systems – single-point locking

For steel fire-rated and smoke-tight doors

T30



Notes:

- Fast-track programme
- Standard programme

The named surcharges (price reduction from standard fittings and add-on parts accounted for!) are only valid in combination with a door order. Prices for single delivery on request.

⚠ All prices excluding lever handle set or lever / knob handle set!

Locks – single-point locking



Escape doors acc. to DIN EN 179 / DIN EN 1125

Single-leaf Doors		Surcharge €		
Anti-panic function				
	1	BKS lock 1820, change-over function B for lever handle sets	284	● ●
	2	BKS lock 1820, change-over function B for lever handle sets with anti-panic function inwards ✗ Not suitable according to DIN EN 179 / DIN EN 1125	355	○ ○
	3	BKS lock 1824, passage function D for lever handle sets	216	● ●
	4	BKS lock 1824, passage function D for lever handle sets with anti-panic function inwards ✗ Not suitable according to DIN EN 179 / DIN EN 1125	330	○ ○
	5	BKS lock 1826, anti-panic function E for lever / knob handle sets	137	● ●
	6	BKS lock 1910, change-over function B for lever handle sets, mechanically self-locking	403	○ ○
	7	BKS lock 1916, anti-panic function E for lever / knob handle sets, mechanically self-locking	338	○ ○
	8	BKS lock 1970, forced closure function C for lever handle sets, including connection cable, self-locking, outside lever handle that can be electrically connected	1596	○ ○
Double-leaf Doors		Surcharge €		
Half anti-panic				
	9	BKS lock 1820, change-over function B for lever handle sets	284	● ●
	10	BKS lock 1824, passage function D for lever handle sets	216	● ●
	11	BKS lock 1826, anti-panic function E for lever / knob handle sets	137	● ●
	Anti-panic function			
	12	BKS lock 1821, change-over function B for lever handle sets, incl. leaf communicator ⚠ For doors opening outwards (glazing bead on opposite hinge side) only possible from 2200 mm RAM width ¹⁾	695	● ●
	13	BKS lock 1825, passage function D for lever handle sets, incl. leaf communicator ⚠ For doors opening outwards (glazing bead on opposite hinge side) only possible from 2200 mm RAM width ¹⁾	534	● ●
	14	BKS lock 1827, anti-panic function E, for lever / knob handle sets, incl. leaf communicator ⚠ For doors opening outwards (glazing bead on opposite hinge side) only possible from 2200 mm RAM width ¹⁾	539	● ●
	15	BKS lock 1911, change-over function B for lever handle sets, mechanically self-locking	1093	○ ○
	16	BKS lock 1917, anti-panic function E for lever / knob handle sets, mechanically self-locking	1009	○ ○
	17	BKS lock 1971, forced closure function C for lever handle sets, including connection cable, self-locking, outside lever handle that can be electrically connected	3018	○ ○
	18	Espagnolette lock BKS 1793 with access control instead of standard lock in the fixed leaf for functions B, D and E ⚠ Required for use of hinged leaf operators with doors acc. to DIN EN 1125 ⚠ Monitoring contact required (see item 19)	1648	○ ○
Lock monitoring				
	19	Monitoring contact	587	○ ○
Self-locking locks (suitable for escape doors acc. to DIN EN 179 / 1125)		Surcharge €		
Single-leaf Doors				
	20	SVP 2000, motor lock, mechanically self-locking, incl. connection cable SVP-A1100 and concealed electro duct (for lever / knob handle sets, lock control must be provided on site) ✗ not possible with long escutcheon handle set, ✓ Push bar or panic bar possible ⚠ If applicable a smoke detector may be required ⚠ For fire-rated doors a motor lock control SVP-S 2 x DCW and Power Reserve module SVP-PR12 may be required	2019	● ●
	21	SVP 4000, mechanically self-locking, electrical monitoring, incl. connection cable SVP-A1100 and concealed electro duct (for lever / knob handle sets, long escutcheon handle set) ✗ Not possible with push bar or panic bar	1314	○ ○
	22	SVP 5000, mechanically self-locking (for lever / knob handle sets, long escutcheon handle set possible) ✗ Not possible with push bar or panic bar	507	○ ○
	23	SVP 6000, mechanically self-locking, electrical monitoring, incl. connection cable SVP-A1100 and concealed electro duct (for lever handle sets, long escutcheon handle set possible) ✗ Not possible with push bar or panic bar	1549	● ●
	24	Motor lock control SVP-S 42 DCW (circuit board without plastic housing and power supply unit)	1113	○ ○
	25	Motor lock control SVP-S 44 DCW (circuit board with plastic housing and power supply unit)	1606	○ ○
	26	Power reserve module SVP-PR12	266	○ ○

1) For doors with < 2200 mm RAM (width) the anti-panic function is only possible with ECO dual locking.

Lock systems – multiple-point locking

For steel fire-rated and smoke-tight doors

T30







Notes:

- Fast-track programme
- Standard programme

The named surcharges (price reduction from standard fittings and add-on parts accounted for!) are only valid in combination with a door order. Prices for single delivery on request.

⚠ All prices excluding lever handle set or lever / knob handle set!

Locks – multiple-point locking ²⁾					
RC 2 Break-in resistance equipment RC 2 (no escape door function)					
Single- and double-leaf doors					Surcharge €
⚠ Please observe the technical information regarding the security equipment on page 293!					
	1	Multiple-point lock GU Secury type DR (3-point, mechanical) ✓ For single- and double-leaf doors	578	–	○
	2	Multiple-point lock GU Secury A4 (S5) Automatic (5-point, self-locking) ✓ For single- and double-leaf doors	930	–	○
RC 2  Escape doors acc. to DIN EN 179 / DIN EN 1125 and combination with RC 2 break-in resistance equipment					
Single-leaf Doors					Surcharge €
	Anti-panic function				
	3	⚠ BKS lock Secury 1910, change-over function B for lever handle sets, mechanically self-locking For doors opening outwards (glazing bead on opposite hinge side) only possible from 1050 mm RAM width	1094	–	○
	4	⚠ BKS lock Secury 1916 with anti-panic function E for lever / knob handle sets, mechanically self-locking For doors opening outwards (glazing bead on opposite hinge side) only possible from 1050 mm RAM width	908	–	○
Double-leaf Doors					Surcharge €
	Half anti-panic				
	5	⚠ BKS lock Secury 1910, change-over function B for lever handle sets, mechanically self-locking For doors opening outwards (glazing bead on opposite hinge side) only possible from 2200 mm RAM width ¹⁾	1094	–	○
	6	⚠ BKS lock Secury 1916 with anti-panic function E for lever / knob handle sets, mechanically self-locking For doors opening outwards (glazing bead on opposite hinge side) only possible from 2200 mm RAM width ¹⁾	908	–	○

1) For doors with < 2200 mm RAM (width) the anti-panic function is only possible with ECO dual locking.

2) Locks with automatic multiple-point locking must not be combined with electric strikes, please optionally select an A opener

1) For doors with < 2200 mm RAM (width) the anti-panic function is only possible with ECO dual locking.

2) Locks with automatic multiple-point locking must not be combined with electric strikes, please optionally select an A opener

Lever handles and lever / knob handle sets according to DIN EN 179

see page 294

Push bar / touch bar acc. to DIN EN 1125

see page 296

Electric extras and locks

For steel fire-rated and smoke-tight doors

T30



Notes:

- Fast-track programme
- Standard programme

The named surcharges (price reduction from standard fittings and add-on parts accounted for!) are only valid in combination with a door order. Prices for single delivery on request.

			Surcharge €		
Locking					
⚠ The ECO dual locking is not possible for EI90 elements!					
1	Bottom locking of the fixed leaf and adjustable bottom bush	Double-leaf door	105	○	○
2	ECO dual locking without bottom locking for anti-panic function, to be combined with a half anti-panic lock ¹⁾	Double-leaf door	41	●	●
3	ECO dual locking with bottom locking and adjustable bottom bush for anti-panic function, to be combined with a half anti-panic lock ¹⁾	Double-leaf door	191	○	○
4	Optional additional top locking for traffic leaf (BKS 1838) ⚠ Take any additional electric strikes into account	Each	431	○	○
5	Preparation for block lock, including concealed electro duct ²⁾ ⚠ Lock must be provided for preparation	Each	416	○	○
Electric strikes					
Fire protection					
6	IST FT 502-FB, 12 – 24 V, adjustable	Single-leaf door	472	●	–
7	IST FT 502-FB, 12 – 24 V, adjustable, incl. concealed electro duct	Double-leaf door	675	●	–
8	IST FT 503-FB, 12 – 24 V, adjustable, with feedback	Single-leaf door	575	●	–
9	IST FT 503-FB, 12 – 24 V, adjustable, with feedback, incl. concealed electro duct	Double-leaf door	779	●	–
Smoke protection					
10	IST A 5002-FB, 12 – 24 V, adjustable	Single-leaf door	153	–	●
11	IST A 5002-FB, 12 – 24 V, adjustable, incl. concealed electro duct	Double-leaf door	356	–	●
12	IST A 5003-FB, 12 – 24 V, adjustable, with feedback	Single-leaf door	187	–	●
13	IST A 5003-FB, 12 – 24 V, adjustable, with feedback, incl. concealed electro duct	Double-leaf door	390	–	●
Automatic opener for multiple-point automatic locks					
14	A opener for motor-powered opening of locks, including connection cable and concealed electro duct. ⚠ Emergency power buffer mandatory!	Each	537	○	○
14.1	Emergency power buffer 12 – 24 V (AC, DC)	Each	626	○	○
14.2	Emergency power buffer 24 V (DC)	Each	344	○	○
Escape door opener ³⁾					
15	GEZE escape door opener FTV 320	Single-leaf door	1573	○	○
16	GEZE escape door opener FTV 320 incl. concealed electro duct	Double-leaf door	1776	○	○
17	Dorma escape door electric strike TV 505 (506), 24 V (DCW)	Each	1315	○	○
Electromechanical alarm contact elements					
18	Alarm contact element 019030 ²⁾	Each	701	○	○
19	Alarm contact element 019033 with reed contact ²⁾	Each	785	○	○
Cylinders					
20	Profile cylinder, matt nickel-plated (31.5 / 65.5)	Each	36	○	○
21	Blind cylinder, matt nickel-plated (31.5 / 65.5)	Each	32	○	○
22	Profile cylinder, matt nickel-plated (40.5 / 40.5)	Each	32	○	○
23	Blind cylinder, matt nickel-plated (40.5 / 40.5)	Each	27	○	○
24	Security cylinder for RC 2 / RC 3 (31.5 / 40.5)	Each	119	○	○
Reed contacts, latch switching contacts					
25	Reed contact Link ⁴⁾ VDS class B, cable length 10 m	Each	79	●	●
26	Latch switching contact, Link 100 13 31, VDS class C, cable length 10 m	Single-leaf door	103	●	●
27	Latch switching contact, Link 100 13 31, VDS class C, cable length 10 m ▶ Fixed leaf monitoring via espagnolette lock / switch latch in the frame	Double-leaf door	190	●	●
28	Latch switching contact, Link 100 13 31, VDS class C, cable length 10 m, including electro duct ▶ Traffic and fixed leaf monitoring ✗ Not in combination with ECO dual locking	Double-leaf door	307	●	●
29	Latch switching contact, Link 100 13 31, VDS class C, cable length 10 m, including electro duct ▶ Fixed leaf monitoring via ECO dual locking	Double-leaf door	546	○	○
Electro ducts					
30	Concealed electro duct	Each	203	○	○
31	Detachable electro duct – Kü trenn	Each	255	○	○

Reed contacts, latch switching contacts, fixing material



For steel fire-rated and smoke-tight doors

Notes:

- Fast-track programme
- Standard programme

The named surcharges (price reduction from standard fittings and add-on parts accounted for!) are only valid in combination with a door order. Prices for single delivery on request.

				Surcharge €		
Fitting and fixing material including block material						
32	Fixing material for anchor fitting, through-plug fitting or screw fixing including block material made of hardwood for 20 mm structural gap	Single or double-leaf doors or fixed glazings	30	○	○	
		Doors with side element / transom light (fire-rated door) ⁵⁾	37	○	○	
33	Fixing material for fitting by welding or flush-fitting screw-fixing ⁶⁾ incl. block material made of hardwood for 20 mm structural gap	Single or double-leaf doors or fixed glazings	41	○	○	
		Doors with side element / transom light (fire-rated door) ⁵⁾	50	○	○	
Fixing block material sets						
34	Support and spacer blocks made of hardwood	44 × 98 × 2 mm	Pack unit: 100	46	●	●
		44 × 98 × 3 mm	Pack unit: 100	49	●	●
		44 × 98 × 5 mm	Pack unit: 100	53	●	●
		44 × 98 × 10 mm	Pack unit: 100	80	●	●
Accessories for structural gap						
35	Mineral wool fire protection pack for structural gap Set of 6 strips with 64 × 50 × 1000 mm each (possible to cut on-site)			27	○	○

- 1) ECO dual locking not possible with integrated overhead door closer ITS and with frame without face
- 2) Consult with the regulations of EitVTR (directive for electrical locking systems) prior to use
- 3) Escape door opener only on request for frame without face
- 4) Reed contact only on request for frame without face
- 5) Doors with side element and / or transom light in certain size ranges (see approval)

Note on fixing material:

The listed fixing material is approved and the correct fastening is described in the fitting instructions. Deviating fixing materials for through-plug or screw-on fitting must have an appropriate approval. The specifications (e.g. necessary edge distances) must be agreed with the respective manufacturer or taken from the technical documents.

Extensions, couplings and statics profiles

For steel fire-rated and smoke-tight doors

T30



Note:

- Fast-track programme
- Standard programme

Note:

● Fast-track programme

○ Standard programme

				Standard colour RAL 9016	Preferred colour / RAL to choose	Special colour	T30	Smoke protection
				Surcharge per m €				
Extensions, couplings, statics								
T30 extension profiles for steel tubular frame parts				Surcharge per m €				
1	T30 extension profile	Viewed width 30 mm	Per m	131	141	151	●	●
		Viewed width 50 mm	Per m	133	158	178	●	●
	▶ Max. 3 units each on left, right and top							
2	T30 S-Line extension profile, viewed width 59 mm*		Per m	145	161	174	●	●
▶ Max. 3 units each on left, right and top								
3	T30 N-Line extension profile, viewed width 63 mm*		Per m	167	186	207	●	●
▶ Horizontal extension profiles are always continuous								
Corner profiles (not for external applications)				Surcharge per m €				
4	Corner profile section 90°	T30	Per m	487	519	534	○	○
5	Corner profile section 135°	T30	Per m	463	491	507	○	○
Statics profiles				Surcharge per m €				
6	Statics profile version A	Separate	Per m	111	121	131	○	○
7	Statics profile version B	Separate	Per m	160	175	186	○	○
8	Statics profile version D	Separate	Per m	111	121	131	–	○

* Not possible with coupling constructions

► Statics profiles in accordance with the statics program or from page 236

Vertical and horizontal rails, crossing points

For steel fire-rated and smoke-tight doors



Horizontal rail / vertical rail			
Rails HL 310, HL 320 and HL 330 both S-Line and N-Line			Surcharge €
Horizontal rail / vertical rail (90 mm S-Line, 105 mm N-Line)	Per m	RAL 9016	191
		Preferred colour / RAL to choose	203
		Special colour	209
Crossing point for fire-rated doors	Each		218
S/RS 100, S/RS 200, S/RS 300			Surcharge €
Horizontal rail / vertical rail (90 mm S-Line, 105 mm N-Line)	Per m	RAL 9016	121
		Preferred colour / RAL to choose	129
		Special colour	133
Crossing point for smoke-tight doors	Each		203

Maximum number of rails	HL x	see product descriptions from page 214
--------------------------------	------	--

Angled glazing bead			
HL 310, HL 320 and HL 330, both S-Line and N-Line as well as S/RS 100, S/RS 200, S/RS 300			Surcharge €
Angled glazing bead, screw-connected (15 × 25 × 2 mm)	per glass section	Surcharge €	328
Only possible with cylinder head screws!			

Arches, chamfers and recesses

For steel fire-rated and smoke-tight doors

F30

F90



Arches (pointed, segmental and Norman arches)			€
F30 / F90			On request
S/RS 300			
Chamfers and recesses			€
F30	Chamfers and recesses	Per chamfer or recess	658
	Rail connection to a chamfer	Surcharge per connection	151
	Standard glass with a chamfer or recess	Surcharge per m ² (RAM)	292
	Additionally for special glass listed on page 286	Surcharge per m ² (RAM)	30 %
	ISO-F30 glass with a chamfer or recess	Surcharge per m ² (RAM)	1349
	Additionally for special insulated glasses acc. to page 286	Surcharge per m ² (RAM)	50 %
S/RS 300	Chamfer or recess in side element or transom light	Per chamfer	658
	Standard glass with a chamfer	Surcharge per m ² (RAM)	114
	Additionally for special glass acc. to page 288	Surcharge per m ² (RAM)	30 %
	Surcharge for rail connection to a chamfer	Each	151

Note:

- For each Norman arch, a completely dimensioned CAD drawing is to be provided free of charge. If this is not possible, the factory can perform a measurement on-site using a 3D measuring device. The customer bears the costs of this measurement.
- For Norman arches, the radius must be ≥ 500 mm.

Hold-open devices and accessories

For aluminium fire-rated and smoke-tight doors



⚠ Depending on local requirements, more than 1 smoke detector may be necessary. Please order these additionally.

Components for a hold-open device with door magnet:

- Door magnet wall or floor fitting (per leaf for double-leaf doors), with counterplate, 1 × smoke detector type H-RM-4070 with dust protection cap with fitting bracket
- H-RM with support bracket for fitting to the lintel
- Hold-open device control unit FSA Basis (transformer incl. push button)

Magnets for DORMA smoke switch control units					
Item	Article	Door magnet unit price		Smoke detector H-RM-4070 (lintel fitting)	Hold-open device control unit FSA Basis *
		Stainless steel	White		
Door magnet for floor fitting					
1	With standard counterplate	453	376	297	274
2	With angle adjustment counterplate	519	441		
3	With telescopic counterplate	644	568		
Surface-mounted door magnet for wall fitting					
4	With standard counterplate	373	297	297	274
5	With angle adjustment counterplate	440	363		
6	With telescopic counterplate	566	489		

Magnets for GEZE smoke switch control units				
Item	Article	Door magnet unit price	Smoke detector H-RM-4070 (lintel fitting)	Hold-open device control unit FSA Basis *
Door magnet for floor fitting				
7	With standard counterplate	329	297	274
Surface-mounted door magnet for wall fitting				
8	With standard counterplate	207	297	274
9	With post extension 185 mm	324		
10	With post extension 335 mm	545		
11	With post extension 485 mm	565		

Optional extras for door closers and hold-open devices				€
12	Hekatron RSZ compact (white or silver)	Each		662
13	GEZE smoke switch control unit RSZ 7	Each		737
14	Dorma smoke switch control unit RMZ	Each		737
15	Hold-open device control unit Hörmann FSA Basis	Each		274
16	Hörmann smoke detector type H-RM 4070 with dust protection cap and fitting bracket for fitting to the ceiling ¹⁾	Each		279
17	Hörmann hold-open device control unit FSZ	Each		287
18	Smoke detector type ORS 142 with dust protection cap and fitting bracket 143 A for fitting to the ceiling	Each		294
19	Hörmann push button HAT 02	Each		70
20	Hörmann log book for hold-open devices	Each		19,80

* Includes transformer and push button

1) Only possible in combination with hold-open device control unit Hörmann FSA Basis!

Note:

Door magnets without external smoke detectors and transformers (delivered as separate parts in accessory pack)

Electric wiring and initial start-up of hold-open devices must be performed on-site by GEZE or DORMA and are not included in the aforementioned prices.

Fittings and optional extras

For T90 steel fire-rated doors

T90

HL 910 F and HL 920 F

Hinges				
1	Weld-on door hinge, two-part, 17 mm pivot point	RAL to choose		No surcharge
2	Weld-on door hinge, three-part, 17 mm pivot point	RAL to choose	Each	185
3	Screw-on door hinge, three-part, 20 or 36 mm pivot point	RAL to choose	Each	291
Anti-panic locks, suitable acc. to DIN EN 179 / DIN EN 1125				€
For single-leaf doors				
4	Anti-panic lock with change-over function B for lever handle sets			180
5	Anti-panic lock with passage function D for lever handle sets			128
6	Anti-panic lock with anti-panic function E for lever / knob handle sets			137
For double-leaf doors				
7	Anti-panic lock as half anti-panic lock with change-over function B for lever handle sets	Without locking of fixed leaf		229
8	Anti-panic lock as half anti-panic lock with passage function D for lever handle sets	Without locking of fixed leaf		208
9	Anti-panic lock as half anti-panic lock with anti-panic function E for lever / knob handle sets	Without locking of fixed leaf		229
10	Anti-panic lock as half anti-panic lock with change-over function B for lever handle sets			588
11	Anti-panic lock as half anti-panic lock with passage function D for lever handle sets			543
12	Anti-panic lock as half anti-panic lock with anti-panic function E for lever / knob handle sets			566
13	Anti-panic lock with anti-panic function and change-over function B for lever handle sets, including leaf communicator			893
14	Anti-panic lock with anti-panic function and passage function D for lever handle sets, including leaf communicator			724
15	Anti-panic lock with anti-panic function and function E for lever / knob handle sets, including leaf communicator			875
16	Bottom locking of the fixed leaf and adjustable bottom bush			180
Self-locking anti-panic locks				€
For single-leaf doors				
17	SVP 2000, motor lock, mechanically locking, incl. connection cable SVP-A1000 and concealed electro duct (for lever / knob handle sets, lock control must be provided on-site) ✗ not possible with long escutcheon handle set, ✓ Push bar or panic bar possible ⚠ A smoke detector is required ⚠ Motor lock control SVP-S 2 × DCW and Power Reserve module SVP-PR12 required for fire-rated doors			2093
18	SVP 4000, mechanical locking, electrical monitoring, incl. connection cable SVP-A1000 and concealed electro duct (for lever / knob handle sets, long escutcheon handle sets) ✗ Not possible with push bar or panic bar			1181
19	SVP 5000, mechanical locking (for lever / knob handle sets, long escutcheon handle set possible) ✗ Not possible with push bar or panic bar			497
20	SVP 6000, mechanical locking, electrical monitoring, incl. connection cable SVP-A1000 and concealed electro duct (for lever handle sets, long escutcheon handle set possible) ✗ Not possible with push bar or panic bar			1432
21	Motor lock control SVP-S 22 DCW (circuit board without plastic housing and power supply unit)			1124
22	Motor lock control SVP-S 24 DCW (circuit board with plastic housing and power supply unit)			1624
23	Power reserve module SVP-PR12			265
Extensions				€
24	Extension profile, viewed width 30 mm		Per m	257
25	Extension profile, viewed width 50 mm		Per m	300
26	Rails 90 mm, glass-dividing		Per m	447
27	Crossing point at rail fitting for glass-dividing rails		Each	259
Electric strike, escape door opener				€
28	IST FT 502-FB, 12 – 24 V, adjustable		Single-leaf Door	459
29	IST FT 502-FB, 12 – 24 V, adjustable, including covered electro duct		Double-leaf Door	552
30	IST FT 503-FB, 12 – 24 V, adjustable, with feedback		Single-leaf Door	541
31	IST FT 503-FB, 12 – 24 V, adjustable, with feedback, including concealed electro duct		Double-leaf Door	623
32	Escape door electric strike TV 505 (506), 24 V		Each	1249
Closing control, latch switching contacts				€
33	Reed contact Link, VDS class B, cable length 10 m		Each	120
34	Novar round reed contact, VDS class C, cable length 10 m		Each	120
35	Latch switching contact, Link 100 1331, VDS class C, cable length 10 m		Single-leaf Door	102
36	Latch switching contact, Link 100 1331, VDS class C, cable length 10 m, including electro duct ► Traffic and fixed leaf monitoring		Double-leaf Door	227
37	Concealed electro duct		Each	125

Fittings and optional extras

T90

For T90 steel fire-rated doors

HL 910 F and HL 920 F

Bottom seals without threshold				€
38	Retractable bottom seal <ul style="list-style-type: none">• For fitting on a smooth, level floor• Steel tube only for transport protection		Single-leaf	167
			Double-leaf	334
39	Floor covering transition profile flat stainless steel material	50 x 1.2 mm	Per m	50
		50 x 5 mm	Per m	55
Electromechanical alarm contact elements				€
40	Block lock / alarm contact element Eff-Eff 843		Single-leaf / double-leaf	939
Fitting and fixing material				€
41	Fixing material for anchor fitting, through-plug fitting, fitting by welding, or screw fixing			No surcharge

Note:

The above-named surcharges (price reduction from standard fittings and add-on parts accounted for!) are only valid in combination with a door order. Prices for single delivery on request.

Infills and glass						Surcharge per m² glass surface in €	
► The infill dimensions can be calculated either via the statics program or based on the coupling elements: RAM – profile view + 14 mm glass recess on each side							
Item	Article	Glass no.	Max. glass dimensions in mm	Glass thickness in mm	dB value Glass	Minimum calculation surface	Per m² of glass
T90 / F90						Surcharge per m² €	
Fire protection panel							
42	Fire protection panel F90 consisting of: 2 × sheet steel, inside with fire-proof core		1410 × 1880	35		0.5 m²	819
Fire-proof glass							
43	Fire-proof glass F90	562	1290 × 2530	40	40	0.5 m²	1853
44	Fire-proof glass F90	563	1290 × 2530	40	40	0.5 m²	4060

Note:

Glass with PVB film is suitable for use at sites exposed to UV radiation.

The above-named surcharges (price reduction from standard fittings and add-on parts accounted for!) are only valid in combination with a door order. Prices for single delivery on request.

Door closers and hold-open devices

For steel fire-rated doors

T30

T90



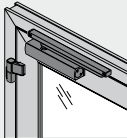
HL 310, HL 910 F as well as S / RS 100 and S / RS 100 S-Line


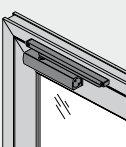
General notes on using and equipping door closers

see page 221

Note:

- Fast-track programme
- Standard programme

For fitting on the hinge side	Overall frame dimension		Silver-coloured	Delivery programme	RAL colours / special colours	Delivery programme
	Min.	Max.				
						
GEZE — TS 5000						
TS 5000 • Opening angle 173° • May also be used for overhead fitting on the opposite hinge side	605	1500	292	●	341	○
TS 5000 E * • Opening angle 173° • Hold-open angle 80°–130°	756	1500	653	○	704	○
TS 5000 R * • Opening angle 173° • Hold-open angle 80°–130° • Extension profile for glazing beads on the hinge side 25 mm	970	1500	1364	●	1414	○
TS 5000 EFS * • Opening angle 173° • Hold-open angle 80°–130°	756	1500	1812	○	1862	○
TS 5000 RFS * • Opening angle 173° • Hold-open angle 80°–130° • Extension profile for glazing beads on the hinge side 25 mm	970	1500	2746	○	2796	○
TS 5000 ECline • With EC Line slide rail • Opening angle 173° • Max. leaf weight 250 kg ✓ Suitable for barrier-free construction acc. to DIN 18040	605	1338	333	○	383	○
TS 5000 E ECline * • Opening angle 173° • Hold-open angle 80°–130° • Max. leaf weight 250 kg ✓ Suitable for barrier-free construction acc. to DIN 18040	756	1338	694	○	745	○
TS 5000 R ECline * • Opening angle 173° • Hold-open angle 80°–130° • Extension profile for glazing beads on the hinge side 25 mm • Max. leaf weight 250 kg ✓ Suitable for barrier-free construction acc. to DIN 18040	970	1338	1405	○	1470	○

For fitting on the opposite hinge side  HL 310 only for the N-Line version		Overall frame dimension		Silver-coloured	Delivery programme	RAL colours / special colours	Delivery programme
		Min.	Max.				
GEZE — TS 5000 Surcharge €							
TS 5000 L • Opening angle 173°		796	1500	314	○	364	○
TS 5000 L-E • Opening angle 173° • Hold-open angle 80°–130°		796	1500	726	○	776	○
TS 5000 L-R • Opening angle 173° • Hold-open angle 80°–130°		1010	1500	1437	○	1487	○

* △ Hold-open devices are not suitable for use with external doors

Magnets, smoke switch control units and further accessories for door closers

see page 305

Operators for fire-rated doors

See from page 314

Door closers and hold-open devices

For steel fire-rated doors

T30

T90



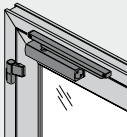
HL 310, HL 910 F as well as S / RS 100 and S / RS 100 S-Line


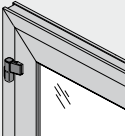
General notes on using and equipping door closers

see page 221

Note:

- Fast-track programme
- Standard programme

For fitting on the hinge side		Overall frame dimension		Silver-coloured	Delivery programme	RAL colours / special colours	Delivery programme
		Min.	Max.				
Dorma							
Surcharge €							
TS 93 B		673	1500	292	●	341	○
• Opening angle 180°							
TS 93 B EMF *		766	1500	653	○	704	○
• Opening angle 120°							
• Traffic leaf hold-open angle 80° – 120°							
TS 93 B EMR *		938	1500	1364	●	1414	○
• Opening angle 120°							
• Traffic leaf hold-open angle 80° – 120°							
TS 98 XEA		673	1488	715	○	765	○
• Opening angle 180°							
DORMA TS 98 XEA EMF		766	1488	1290	○	1340	○
• Opening angle 140°							
• Traffic leaf hold-open angle 80° – 140°							
DORMA TS 98 XEA EMR		938	1488	2516	○	2565	○
• Opening angle 140°							
• Traffic leaf hold-open angle 80° – 140°							
TS 99 FL *		816	1338	1633	○	1682	○
• Compensator function from door opening angle > 0°							
✓ Suitable for barrier-free construction acc. to DIN 18040							
TS 99 FLR-K *		911	1338	2762	○	2812	○
• Compensator function from door opening angle > 0°							
✓ Suitable for barrier-free construction acc. to DIN 18040							

 Not suitable for T90 HL 910 F!		Overall frame dimension			Delivery programme
		Min.	Max.		
Concealed door closer Dorma — ITS 96					Surcharge €
ITS 96 <ul style="list-style-type: none">• Opening angle 120°• <i>Max. leaf weight 130 kg</i> <div>✓ Suitable for use with frame without face</div>		≥ 788	≤ 1188	521	<input type="radio"/>
ITS 96 <ul style="list-style-type: none">• Opening angle 120°• <i>Max. leaf weight 180 kg</i> <div>✓ Suitable for use with frame without face</div>		≥ 788	≤ 1488	604	<input type="radio"/>
ITS 96 G EMF * <ul style="list-style-type: none">• Opening angle 120°• Traffic leaf hold-open angle 80° – 120°• <i>Max. leaf weight 130 kg</i>		≥ 832	≤ 1188	1128	<input type="radio"/>
ITS 96 G EMF * <ul style="list-style-type: none">• Opening angle 120°• Traffic leaf hold-open angle 80° – 120°• <i>Max. leaf weight 180 kg</i>		≥ 832	≤ 1338	1209	<input type="radio"/>

* ⚠ Hold-open devices are not suitable for use with external doors

Note:

- An additional smoke switch control unit must be taken into account for a door closer with electromechanical hold-open device. Additional ceiling smoke detectors may be required depending on the situation on site. (See the directives for hold-open devices)
- A trigger button is always required for compensator closers.
- Smoke switch control units must be fitted on the wall lintel for single and double-leaf doors without transom light

Magnets, smoke switch control units and further accessories for door closers

see page 305

Operators for fire-rated doors

See from page 314

Door closers and hold-open devices

For steel fire-rated doors

T30

T90

RS

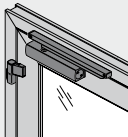
HL 320, HL 920 F as well as S / RS 200 and S / RS 200 S-Line

General notes on using and equipping door closers

see page 221

Note:

- Fast-track programme
- Standard programme

For fitting on the hinge side	Overall frame dimension		Traffic leaf division dimensions		Fixed leaf division dimensions		Silver-coloured	Delivery programme	RAL colours / special colours	Delivery programme
	Min.	Max.	Min.	Max.	Min.	Max.				
										
GEZE — TS 5000										
TS 5000 ISM • Opening angle 173°	1388	3000	≥ 750	≤ 1500	≥ 500	≤ 1500	616	●	760	○
TS 5000 E-ISM * • Opening angle 173° • Hold-open angle 80°–130° (both leaves)	1388	3000	≥ 750	≤ 1500	≥ 500	≤ 1500	1364	○	1510	○
TS 5000 ISM-EFS * • Opening angle 173° • Hold-open angle 80°–130° (both leaves)	1388	3000	≥ 750	≤ 1500	≥ 500	≤ 1500	2300	○	2445	○
TS 5000 R-ISM * • Opening angle 173° • Hold-open angle 80°–130° (both leaves) • Extension profile for glazing beads on the hinge side 25 mm	1620	3000	≥ 919	≤ 1500	≥ 500	≤ 1500	2263	●	2407	○
TS 5000 R-ISM EFS * • Opening angle 173° • Compensator and hold-open function (only traffic leaf) • Extension profile for glazing beads on the hinge side 25 mm	1588	2588	≥ 794	≤ 1294	≥ 500	≤ 1294	3800	○	3945	○
TS 5000 ECline ISM • Opening angle 173° • Max. leaf weight 250 kg ✓ Suitable for barrier-free construction acc. to DIN 18040	1388	2588	≥ 694	≤ 1294	≥ 500	≤ 1294	657	○	801	○
TS 5000 ECline E-ISM * • Opening angle 173° • Hold-open angle 80°–130° (both leaves) • Max. leaf weight 250 kg ✓ Suitable for barrier-free construction acc. to DIN 18040	1388	2588	≥ 694	≤ 1294	≥ 500	≤ 1294	1405	○	1551	○
TS 5000 ECline R-ISM * • Opening angle 173° • Hold-open angle 80°–130° (both leaves) • Extension profile for glazing beads on the hinge side 25 mm • Max. leaf weight 250 kg ✓ Suitable for barrier-free construction acc. to DIN 18040	1588	2588	≥ 794	≤ 1294	≥ 500	≤ 1294	2304	○	2448	○

* ⚠ Hold-open devices are not suitable for use with external doors

Note:

- An additional smoke switch control unit must be taken into account for a door closer with electromechanical hold-open device. Additional ceiling smoke detectors may be required depending on the situation on site. (See the directives for hold-open devices)
- A trigger button is always required for compensator closers.

Concealed door closers for HE 321

see page 313

Magnets, smoke switch control units and further accessories for door closers

see page 305

Operators for fire-rated doors

See from page 314

Door closers and hold-open devices

For steel fire-rated doors

T30

T90

RS

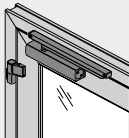
HL 320, HL 920 F as well as S / RS 200 and S / RS 200 S-Line

General notes on using and equipping door closers

see page 221

Note:

- Fast-track programme
- Standard programme

For fitting on the hinge side	Overall frame dimension		Traffic leaf division dimensions		Fixed leaf division dimensions		Silver-coloured	Delivery programme	RAL colours / special colours	Delivery programme
	Min.	Max.	Min.	Max.	Min.	Max.				
										
Dorma — TS 93										Surcharge €
TS 93 GSR • Opening angle 180°	1308	3000	≥ 750	≤ 1500	≥ 500	≤ 1500	616	●	760	○
TS 93 GSR EMF 1 G * • Opening angle 130° • Traffic leaf hold-open angle 80° – 130°	1308	3000	≥ 750	≤ 1500	≥ 500	≤ 1500	972	○	1116	○
TS 93 GSR EMF 2 * • Opening angle 130° • Hold-open angle 80°–130° (both leaves)	1308	3000	≥ 750	≤ 1500	≥ 500	≤ 1500	1364	○	1510	○
TS 93 GSR EMR 1 G * • Opening angle 130° • Traffic leaf hold-open angle 80° – 130°	1788	3000	≥ 750	≤ 1500	≥ 500	≤ 1500	2278	○	2423	○
TS 93 GSR EMR 2 * • Opening angle 130° • Hold-open angle 80°–130° (both leaves)	1788	3000	≥ 750	≤ 1500	≥ 500	≤ 1500	2263	●	2407	○
DORMA TS 98 XEA GSR • Opening angle 180°	1308	2888	750	1444	500	1444	1684	○	2164	○
DORMA TS 98 XEA GSR EMF 2 • Opening angle 130° • Hold-open angle 80°–130° (both leaves)	1308	2888	750	1444	500	1444	2807	○	3287	○
DORMA TS 98 XEA GSR EMR 2 • Opening angle 130° • Hold-open angle 80°–130° (both leaves)	1788	2888	750	1444	500	1444	3668	○	4128	○
TS 99 FL GSR * • Compensator function from door opening angle > 0° ✓ Suitable for barrier-free construction acc. to DIN 18040	1438	2588	≥ 750	≥ 1294	≥ 500	≥ 1294	2073	○	2217	○
TS 99 FL GSR-EMF 1 * • Compensator on traffic leaf and electromechanical hold-open device on fixed leaf • Compensator function from door opening angle > 0° ✓ Suitable for barrier-free construction acc. to DIN 18040	1438	2588	≥ 750	≥ 1294	≥ 500	≥ 1294	2716	○	2861	○
TS 99 FL GSR-EMR 1 * • Compensator on traffic leaf and electromechanical hold-open device on fixed leaf • Compensator function from door opening angle > 0° ✓ Suitable for barrier-free construction acc. to DIN 18040	1788	2588	≥ 894	≥ 1294	≥ 500	≥ 1294	3539	○	3684	○

* ⚠ Hold-open devices are not suitable for use with external doors

Note:

- An additional smoke switch control unit must be taken into account for a door closer with electromechanical hold-open device. Additional ceiling smoke detectors may be required depending on the situation on site. (See the directives for hold-open devices)
- A trigger button is always required for compensator closers.

Concealed door closers for HE 321

see page 313

Magnets, smoke switch control units and further accessories for door closers

see page 305

Operators for fire-rated doors

See from page 314

Door closers and hold-open devices


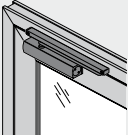
T30


T90

RS

For steel fire-rated doors

HL 320, HL 920 F as well as S/RS 200 and S/RS 200 S-Line

For fitting on the opposite hinge side *  HL 320 and S/RS 200 only for the N-Line version		Overall frame dimension		Traffic leaf division dimensions		Fixed leaf division dimensions		Silver-coloured	Delivery programme	RAL colours / special colours	Delivery programme
		Min.	Max.	Min.	Max.	Min.	Max.				
GEZE — TS 5000											
Surcharge €											
TS 5000 L-ISM • Opening angle 119°		1448	2888	≥ 724	≤ 1444	≥ 500	≤ 1444	880	○	1051	○
TS 5000 L-E-ISM * • Opening angle 119° • Hold-open angle 80°–130° (both leaves)		1448	2888	≥ 724	≤ 1444	≥ 500	≤ 1444	1615	○	1760	○
TS 5000 L-R-ISM * • Opening angle 119° • Hold-open angle 80°–130° (both leaves)		1648	2888	≥ 724	≤ 1444	≥ 500	≤ 1444	2409	○	2557	○
For anti-panic doors											
Surcharge €											
TS 5000 L-ISM VPK • Opening angle 119°		1388	2888	≥ 694	≤ 1444	≥ 500	≤ 1444	2476	○	2623	○
TS 5000 L-E-ISM VPK* • Opening angle 119° • Hold-open angle 80°–130° (both leaves)		1388	2888	≥ 694	≤ 1444	≥ 500	≤ 1444	3797	○	3944	○
TS 5000 L-R-ISM VPK * • Opening angle 119° • Hold-open angle 80°–130° (both leaves)		1733	2888	≥ 949	≤ 1444	≥ 500	≤ 1444	4043	○	4189	○

*  Hold-open devices are not suitable for use with external doors

Note:

- An additional smoke switch control unit must be taken into account for a door closer with electromechanical hold-open device. Additional ceiling smoke detectors may be required depending on the situation on site. (See the directives for hold-open devices)
- A trigger button is always required for compensator closers.

Magnets, smoke switch control units and further accessories for door closers

see page 305

Operators for fire-rated doors

See from page 314

Door closers and hold-open devices

T30

RS

For steel fire-rated doors

HL 320 as well as S/RS 200 and S/RS 200 S-Line

Delivery programme	⚠ Not suitable for T90 HL 920 F!	Overall frame dimension		Traffic leaf division dimensions		Fixed leaf division dimensions		
		Min.	Max.	Min.	Max.	Min.	Max.	
Concealed door closer Dorma — ITS 96								
Surcharge €								
○	ITS 96 G GSR • Opening angle 120° • Leaf width 740–1100 mm • <i>Max. leaf weight 130 kg</i> ✓ Suitable for use with frame without face	≥ 1488	≤ 2288	≥ 744	≤ 1144	≥ 744	≤ 1144	1197
○	ITS 96 G GSR • Opening angle 120° • Leaf width 740–1400 mm • <i>Max. leaf weight 180 kg</i> ✓ Suitable for use with frame without face	≥ 1488	≤ 2888	≥ 744	≤ 1444	≥ 744	≤ 1444	1362
○	ITS 96 G GSR EMF * • Opening angle 120° • Hold-open angle 80°–120° (both leaves) • Leaf width 740–1100 mm • <i>Max. leaf weight 130 kg</i>	≥ 1488	≤ 2288	≥ 744	≤ 1144	≥ 744	≤ 1144	2331
○	ITS 96 G GSR EMF * • Opening angle 120° • Hold-open angle 80°–120° (both leaves) • Leaf width 740–1400 mm • <i>Max. leaf weight 180 kg</i>	≥ 1488	≤ 2888	≥ 744	≤ 1444	≥ 744	≤ 1444	2500

* ⚠ Hold-open devices are not suitable for use with external doors

Note:

- An additional smoke switch control unit must be taken into account for a door closer with electromechanical hold-open device. Additional ceiling smoke detectors may be required depending on the situation on site. (See the directives for hold-open devices)
- Smoke switch control units must be fitted on the wall lintel for single and double-leaf doors without transom light
- A trigger button is always required for compensator closers.

Magnets, smoke switch control units and further accessories for door closers

see page 305

Operators for fire-rated doors

See from page 314

Operators HDO 200 / HDO 300

For steel fire-rated doors

T30

T90

RS

For single-leaf and double-leaf doors

For general notes on using and equipping door closers and hinged leaf operators

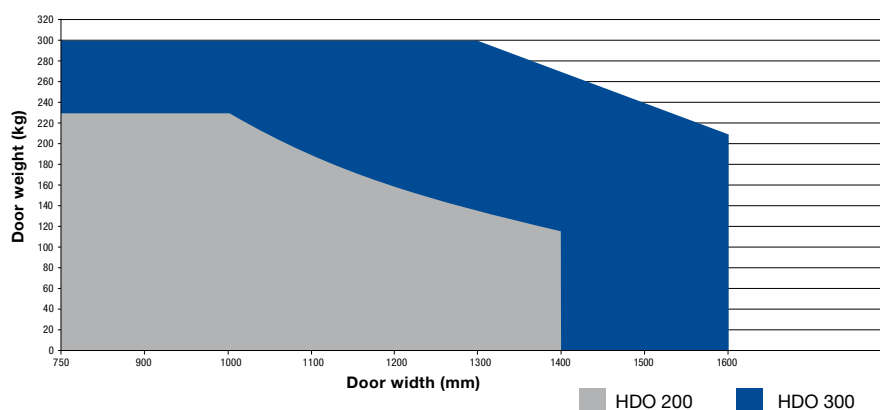
see page 221

Product description

Automatic hinged leaf operators (type-tested in accordance with DIN 18650) without electric installation, in EV1 surface finish

Scope of delivery:

- Operators and control elements separate in accessory pack
 - Mounting plate(s)
 - Electric strike and latch contact fitted in the door
 - Wiring prepared in the door for on-site connection
- A 50 mm extension profile is required for fitting hinged leaf operators to doors without a transom light for the pushing version (opposite hinge side) and two 50 mm extension profiles for the pulling version (hinge side)!
- For risk assessment in accordance with the appendix to the Machinery Directive and by reference to DIN 18650 / DIN EN 16005, you will need a detailed description of the on-site conditions near the door.
- The version with hinged leaf operators requires a third hinge per leaf at the top, which must be taken into consideration in the calculation for T30 doors!



	HDO 200	HDO 300
Width	650 mm	720 mm
Height	70 mm	70 mm
Depth	121 mm	130 mm
Weight	9 kg	11 kg
Max. power input	0.15 kW	0.15 kW
Standby approx.	1 watt	1 watt
Door width	750 – 1400 mm	800 – 1600 mm
Door weight	Up to 200 kg	Up to 300 kg for 1400 mm door width Up to 210 kg for 1600 mm door width



	Operator fitting side	Surcharge €
Hörmann hinged leaf operator for single-leaf doors in EV1		
HDO 200		
HDO 200 F/R in EV 1, pushing with linkage, integrated smoke sensor and 26 mm pin extension Including 1 mounting plate and Flatscan silver (black) safety sensor	Opposite hinge side	6311
HDO 200 F/R in EV 1, pulling with roller rail, integrated smoke sensor and 26 mm pin extension Including 1 mounting plate and Flatscan silver (black) safety sensor	Hinge side	6174
HDO 300		
HDO 300 F/R in EV 1, pushing with linkage, integrated smoke sensor and 30 mm pin extension Including 1 mounting plate and Flatscan silver (black) safety sensor	Opposite hinge side	7477
HDO 300 F/R in EV 1, pulling with roller rail, integrated smoke sensor and 30 mm pin extension Including 1 mounting plate and Flatscan silver (black) safety sensor	Hinge side	7379
Required accessories for single-leaf doors for HDO 200 and HDO 300		Surcharge €
• 1 x electric strike I.S.T., FT 503 FB, 24 V AC/DC, adjustable with feedback		540
• 1 x latch switching contact, Link, 100 13 31, VDS class C, cable length 10 m		97
• 1 Hörmann push button HAT 02		66
Optional accessories for single-leaf doors for HDO 200 and HDO 300		Surcharge €
1 x opening limiter	Each	72
Operators in RAL to choose		Surcharge €
RAL to choose	Linkage	Surcharge per operator 359
	Slide rail	Surcharge per operator 416



	Operator fitting side	Surcharge €
Hörmann hinged leaf operator for double-leaf doors in EV1		
HDO 200		
HDO 200 F/R in EV 1, pushing with linkage, integrated smoke sensor and 2x26 mm pin extension Including 2 mounting plates and Flatscan silver (black) safety sensor and 3-part cover	Opposite hinge side	13081
HDO 200 F/R in EV 1, pulling with roller rail, integrated smoke sensor and 2x26 mm pin extension Including 2 mounting plates and Flatscan silver (black) safety sensor and 3-part cover	Hinge side	12808
HDO 300		
HDO 300 F/R in EV 1, pushing with linkage, integrated smoke sensor and 2x26 mm pin extension Including 2 mounting plates and Flatscan silver (black) safety sensor and 3-part cover	Opposite hinge side	14987
HDO 300 F/R in EV 1, pulling with roller rail, integrated smoke sensor and 2x26 mm pin extension Including 2 mounting plates and Flatscan silver (black) safety sensor and 3-part cover	Hinge side	14792
Required accessories for double-leaf doors for HDO 200 and HDO 300		Surcharge €
• 1 x electric strike I.S.T., FT 503 FB, 24 V AC/DC, adjustable with feedback		540
• 1 x electro duct 480		191
• 1 x latch switching contact, Link, 100 13 31, VDS class C, cable length 10 m		97
• 1 Hörmann push button HAT 02		66
• 1 x ECO dual locking		38
Optional accessories for double-leaf doors for HDO 200 and HDO 300		Surcharge €
1 x opening limiter	Each	72
Operators in RAL to choose		Surcharge €
RAL to choose	Linkage	Surcharge per operator 359
	Slide rail	Surcharge per operator 416

Operators HDO 200 / HDO 300

For aluminium fire-rated doors

For single-leaf and double-leaf doors

T30

T60

T90

RS

General notes on using and equipping operators

see page 221

Package equipment complies with the valid standards for automatic hinged door operators DIN 18650 and EN 16005.
A safety analysis according to the Machinery Directive 2006/42/EC and DIN 18650 must be carried out before initial start-up.

► State depth of the reveal on order!

Hinged leaf operators HDO 200 / HDO 300

HDO 200 suitable for doors up to BR width 1250 mm

HDO 300 suitable for doors up to BR width 1500 mm

Min. headroom 150 mm

Linkage possible for reveal depth up to 100 mm, 200 mm and 300 mm

Max. wall width for frames = 330 mm

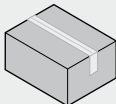
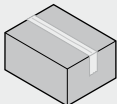
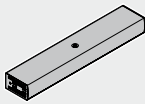
Max. door height for double-leaf doors: 2500 mm, H6 OD and H16 OD: 2250 mm

Notes on versions and operator packages

Hörmann hinged leaf operators are available either as precisely defined packages including specified peripheral devices or individually as an operator with individual accessory options.

Please note:

Electrical add-on parts such as electric strike and latch contact must be added to the package price.

Operator package HDO "Economy"	Operator package HDO "Protect"	Operator HDO individual (equipment of choice) + individual accessories
		
Application: The simple solution for barrier-free passages, including precisely defined standard accessories.	Application: The convenient solution for particularly hygienic demands, including precisely defined standard accessories as well as non-contact switching elements.	Application: The individual solution for particularly high demands in construction projects.
Your advantage: Price saving compared to individual purchase	Your advantage: Price saving compared to individual purchase	Your advantage: Flexible design options based on a large selection of individual accessories



Hörmann hinged leaf operators

	HDO 200 HDO 200 IS	HDO 200 F/R HDO 200 F/R IS	HDO 300 HDO 300 IS	HDO 300 F/R HDO 300 F/R IS
Suitable for:				
Fire-rated doors		●		●
Smoke-tight doors		●		●
Multi-purpose doors	●	●	●	●
Technical features				
Operator type	Electromechanical	Electromechanical	Electromechanical	Electromechanical
Integrated smoke sensor control		●		●
Dimensions	650 × 70 × 121 mm	650 × 70 × 121 mm	720 × 70 × 130 mm	720 × 70 × 130 mm
Connecting voltage	100–240 V AC	100–240 V AC	100–240 V AC	100–240 V AC
Control delay (max.)	20 seconds	20 seconds	20 seconds	20 seconds
Weight	9.0 kg	9.0 kg	11.7 kg	11.7 kg
Energy supply for external consumers	24 V DC, 1200 mA	24 V DC, 1200 mA	24 V DC, 1200 mA	24 V DC, 1200 mA
Operating temperature	– 10 °C to + 50 °C	– 10 °C to + 50 °C	– 10 °C to + 50 °C	– 10 °C to + 50 °C
Protection category (for dry rooms only)	IP20	IP20	IP30	IP30
Push & Go	Adjustable	Adjustable	Adjustable	Adjustable
Mains isolator	Plug-in cable connection	Plug-in cable connection	Main switch in the operator	Main switch in the operator
Automatic function	●	●	●	●
Low-energy function	●	●	●	●
Servo function	●	●	●	●


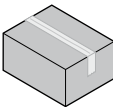
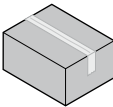

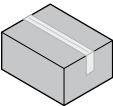
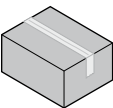
Fitting dimensions to be observed

Operator version		Fitting side	Width (BRM)		Leaf width	
			Min.	Max.	Min.	Max.
For single-leaf doors or on the traffic leaf						
HDO 200	Lintel fitting	Pushing on the closing side	855	1250		
		Pulling on the opening side	900	1250		
HDO 200 F/R	Lintel fitting	Pushing on the closing side	955	1250		
		Pulling on the opening side	900	1250		
HDO 300	Lintel fitting	Pushing on the closing side	890	1500		
		Pulling on the opening side	880	1400		
HDO 300 F/R	Lintel fitting	Pushing on the closing side	890	1500		
		Pulling on the opening side	850	1400		
For double-leaf doors						
HDO 200 IS	Lintel fitting	Pushing on the closing side	1700	2500	850	1250
		Pulling on the opening side	1800	2500	900	1250
HDO 200 F/R IS	Lintel fitting	Pushing on the closing side	1700	2500	850	1250
		Pulling on the opening side	1800	2500	900	1250
HDO 300 IS	Lintel fitting	Pushing on the closing side	1700	3000	800	1500
		Pulling on the opening side	1800	2800	900	1400
HDO 300 F/R IS	Lintel fitting	Pushing on the closing side	1700	2500	800	1500
		Pulling on the opening side	1800	2500	900	1400

Hinged leaf operators HDO 200, HDO 300

Operator packages

For single-leaf and double-leaf fire-rated and smoke-tight doors

Operator packages for single-leaf multi-purpose doors		Package price incl. preparation €	
		HDO 200	HDO 300
	Economy package		
	Total price of package incl. basic equipment	5967	7137
	Operator package consisting of: <ul style="list-style-type: none"> Operator HDO incl. preparation with linkage or slide rail, including: <ul style="list-style-type: none"> 2 x Flatscan safety sensor, silver (1 x for the opening side, 1 x for the closing side) "Close door" release button, white, surface-mounted / recessed, and 2 x "Open door" flat button, white, surface-mounted. 	5382	6552
	Required basic equipment: <ul style="list-style-type: none"> Electric strike, working current principle, 12–24 V DC, 100% on-time, with additional module for conversion to 1-phase current Latch contact, VDS class C 	442 143	442 143
	Protect package		
	Total price of package incl. basic equipment	6254	7424
	Operator package consisting of: <ul style="list-style-type: none"> Operator HDO incl. preparation with linkage or slide rail, including: <ul style="list-style-type: none"> 2 x Flatscan safety sensor, silver (1 x for the opening side, 1 x for the closing side) Release button, white, surface-mounted / recessed "Close door" and 2 x flat button, white, surface-mounted "Open door" Switching element, non-contact FSR1 BS with receiver HET-E1 868-BS 	5669	6839
	Required basic equipment: <ul style="list-style-type: none"> Electric strike, working current principle, 12–24 V DC, 100% on-time, with additional module for conversion to 1-phase current Latch contact, VDS class C 	442 143	442 143
Operator packages for double-leaf multi-purpose doors		Package price incl. preparation €	
		HDO 200 IS	HDO 300 IS
	Economy package		
	Total price of package incl. basic equipment	13759	15766
	Operator package consisting of: <ul style="list-style-type: none"> Operator HDO incl. preparation with 3-part cover, with linkage or slide rail, silver-coloured surface finish, including: <ul style="list-style-type: none"> 4 x Flatscan safety sensor, silver (2 x for the opening side, 2 x for the closing side) "Close door" release button, white, surface-mounted / recessed, and 2 x "Open door" flat button, white, surface-mounted. 	11769	13776
	Required basic equipment: <ul style="list-style-type: none"> Electric strike, working current principle, 12–24 V AC/DC, 100% on-time, on fixed leaf, including tube and electro duct 370, with additional module for conversion to 1-phase current Electric strike, working current principle, 12–24 V DC, 100% on-time, on the locking rod Latch contact, VDS class C Rebate locking bolt 	1011 442 143 394	1011 442 143 394
	Protect package		
	Total price of package incl. basic equipment	14219	16226
	Operator package consisting of: <ul style="list-style-type: none"> Operator HDO incl. preparation with 3-part cover, with linkage or slide rail, silver-coloured surface finish, including: <ul style="list-style-type: none"> 4 x Flatscan safety sensor, silver (2 x for the opening side, 2 x for the closing side) Integrated smoke sensor control "Close door" release button, white, surface-mounted / recessed, and 2 x "Open door" flat button, white, surface-mounted. 2 x switching elements, non-contact FSR1 BS with 1 x receiver HET-E1 868-BS 	12229	14236
	Required basic equipment: <ul style="list-style-type: none"> Electric strike, working current principle, 12–24 V AC/DC, 100% on-time, on fixed leaf, including tube and electro duct 370, with additional module for conversion to 1-phase current Electric strike, working current principle, 12–24 V DC, 100% on-time, on the locking rod Latch contact, VDS class C Rebate locking bolt 	1011 442 143 394	1011 442 143 394

Hinged leaf operators HDO 200, HDO 300

Individual solutions

For single-leaf and double-leaf fire-rated and smoke-tight doors



Preparation for hinged leaf operators		
Fitting on the opening side	Per leaf	50
Fitting on the closing side	Per leaf	100
Operators with linkage or slide rail		
HDO 200	For single-leaf doors	3736
HDO 300	For single-leaf doors	5144
HDO 200 IS with 3-part cover	For double-leaf doors	8813
HDO 300 IS with 3-part cover,	For double-leaf doors	10982
RAL to choose		
Hinged leaf operator in version RAL to choose	Per operator	388
Safety sensors for single-leaf doors (optional)		
Flatscan, silver-coloured, for the opening and closing side to safeguard the door including secondary closing edge	2 × for single-leaf doors	2388
	4 × for double-leaf doors	4776
Flatscan, black for the opening and closing side to safeguard the door including secondary closing edge	2 × for single-leaf doors	2388
	4 × for double-leaf doors	4776
Flatscan, white, for the opening and closing side to safeguard the door including secondary closing edge	2 × for single-leaf doors	2388
	4 × for double-leaf doors	4776
Sensor strip GC 338	Length 1200 mm	Price per side 1403
Sensor strip GC 338	Length 1500 mm	Price per side 1989
Control elements		
"Close door" release button, white / red		70
Flat button, surface-mounted, with "Open door" symbol, white		125
Flat button, surface-mounted, with "Open door" symbol, silver-coloured		108
Flat button, surface-mounted, with "Open door" symbol, stainless steel-coloured		331
Radio radar button (non-contact) FSR1 868-BS, white	Per side	176
Receiver HET-E1 868-BS		120
Note: Additional control elements as well as code buttons and radio buttons available on request		
Smoke detector		
Smoke detector type ORS 142 with fitting base 143 A for fitting to ceiling		293
Finger protection		
Finger protection roller for fitting on the closing surface, housing colour natural aluminium finish, length 1925 mm		
Further lengths on request	Each	338
Not mandatory when using a Flatscan safety sensor		
Finger protection profile, aluminium, for fitting on the opening side, housing colour aluminium I	Per leaf	394
Closing control (latch contact, VDS-approved, class C)		
Latch contact, VDS-approved, class C		143
Electric door strike – for single-leaf multi-purpose doors		
Direct current (DC) including an additional module to convert to 1-phase current (AC)		
Electric strike 24 V DC, 100% on-time	For single-leaf doors	442
Electric strike 24 V DC, 100% on-time, with signalling contact	For single-leaf doors	554
Electric strike 24 V DC, 100% on-time incl. electro duct 370 and tube for fixed leaf	For double-leaf doors	1011
Electric strike 24 V DC, 100% on-time for top locking rod	For double-leaf doors	442
Electric strike 12 – 24 V DC, 100% on-time incl. electro duct 370 and tube for fixed leaf	For double-leaf doors	1123
Electric strike 12 – 24 V DC, 100% on-time for top locking rod, with signalling contact	For double-leaf doors	554
Locking of fixed leaf		
Espagnolette lock in rebate		394

For single-leaf and double-leaf doors

General notes on using and equipping door closers

see page 221

Product description

Automatic hinged leaf operators (type-tested in accordance with DIN 18650) without electric installation, pushing, in EV1 surface finish

Scope of delivery:

- Operators and control elements separate in accessory pack
- Mounting plate(s) (not required for ED 250)
- Electric strike and latch contact fitted in the door
- Wiring prepared in the door for on-site connection

► **A 50 mm extension profile is required for fitting hinged leaf operators to doors without a transom light!**

► **For risk assessment in accordance with the appendix to the Machinery Directive and by reference to DIN 18650 / DIN EN 16005, you will need a detailed description of the on-site conditions near the door.**

► **The version with hinged leaf operators requires a third hinge per leaf at the top, which must be taken into consideration in the calculation for T30 doors!**



Operator fitting side	Width (RAM)		Surcharge €
	Min.	Max.	

Dorma hinged leaf operator for single-leaf doors

ED 250, pushing with standard linkage EV 1, including pin extension 30 mm

• 1 x ED fire protection upgrade card 250	Opposite hinge side	788	1488	4652
• ED cladding BASIC RM (integrated smoke detector)				792
• 1 x electric strike I.S.T., FT 503 FB, 24 V AC/DC, adjustable with feedback				1196
• 1 x latch switching contact, Link, 100 13 31, VDS class C, cable length 10 m				575
• Hörmann push button HAT 02				103
				70



Operator fitting side	Width (RAM)		Division dimension (RAM)	Surcharge €
	Min.	Max.	Min. - max.	

Dorma hinged leaf operator for double-leaf doors

ED 250, pushing with standard linkage EV 1, including pin extension 30 mm

• 2 x ED fire protection upgrade card 250	Opposite hinge side	1538	2888	Min.: ≥ 788 Max.: ≤ 1488	10283
• ED professional cladding (continuous)					1585
• Integrated mechanical door leaf selector (ED ESR set)					1671
• 1 x electric strike I.S.T., FT 503 FB, 24 V AC/DC, adjustable with feedback					977
• 1 x latch switching contact, Link, 100 13 31, VDS class C, cable length 10 m					575
• Hörmann push button HAT 02					103
• 1 x smoke sensor control, Dorma RM-ED					70
• 1 x electro duct 480					591
• 1 x ECO dual locking					203
					41

Operator accessories	Surcharge €
Operator in RAL to choose	Per operator 541
Upgrade card DCW (required for use with SVP locks)	Per element 347
Package price for preparation for single-leaf operator, incl. electric strike and latch switching contact	1563
Package price for preparation for double-leaf operator, incl. electric strike, latch switching contact, electro duct 480 and ECO dual locking	2341

Actuation elements and safety equipment

For Dorma hinged leaf operators



Control elements (optional)				€ each		
1	Radar movement detector with directional recognition, Prosecure OptiMotion Stereo, black / white / silver			517		
2	Protective weather cover / ceiling bracket, black, for Prosecure OptiMotion Stereo			112		
3	Remote control for Prosecure OptiMotion Stereo			393		
4	Hörmann push button HAT 02			70		
5	Hand button HT, recessed, one-pole, <i>Close door</i> white/red			77		
6	Hand button HT, surface-mounted, one-pole, <i>Close door</i> , white/red, surface-mounted box not included			77		
7	Hand button, recessed, white			75		
8	Key switch KT3-1 with half cylinder, recessed			99		
9	Key switch KT3-1 with half cylinder, surface-mounted, surface-mounted box not included			99		
10	Large flat button, recessed, stainless steel look with rocker switch without label			186		
11	Large flat button, recessed, stainless steel look with rocker switch with <i>Open</i> label			205		
12	Large flat button, surface-mounted, stainless steel look with rocker switch without label			243		
13	Large flat button, surface-mounted, stainless steel look with rocker switch with <i>Open</i> label			256		
14	Elbow button, surface-mounted, grey plastic			233		
15	Elbow button, recessed, silver aluminium			389		
16	Elbow button, surface-mounted, silver aluminium			389		
17	Surface-mounted box for surface-mounted button			51		
Safety equipment (optional)				€ each		
Prosecure OptiSafe						
18	1 × Prosecure OptiSafe 700 mm	With 1 <i>silver</i> sensor module for fitting on the opposite hinge side	Pack	2103		
		With 1 <i>silver</i> sensor module and black linkage adapter for fitting on the hinge side				
		With 1 <i>black or white</i> sensor module for fitting on the opposite hinge side	Pack	2186		
		With 1 <i>black or white</i> sensor module and black linkage adapter for fitting on the hinge side				
		With 1 <i>special colour</i> sensor module for fitting on the opposite hinge side	Pack	2299		
		With 1 <i>special colour</i> sensor module and black linkage adapter for fitting on the hinge side				
		19	1 × Prosecure OptiSafe 900 mm	With 1 <i>silver</i> sensor module for fitting on the opposite hinge side	Pack	2186
				With 1 <i>silver</i> sensor module and black linkage adapter for fitting on the hinge side		
With 1 <i>black or white</i> sensor module for fitting on the opposite hinge side	Pack			2271		
With 1 <i>black or white</i> sensor module and black linkage adapter for fitting on the hinge side						
		With 1 <i>special colour</i> sensor module for fitting on the opposite hinge side	Pack	2410		
		With 1 <i>special colour</i> sensor module and black linkage adapter for fitting on the hinge side				
		20	1 × Prosecure OptiSafe 1200 mm	With 1 <i>silver</i> sensor module for fitting on the opposite hinge side	Pack	2271
				With 1 <i>silver</i> sensor module and black linkage adapter for fitting on the hinge side		
With 1 <i>black or white</i> sensor module for fitting on the opposite hinge side	Pack			2355		
With 1 <i>black or white</i> sensor module and black linkage adapter for fitting on the hinge side						
		With 1 <i>special colour</i> sensor module for fitting on the opposite hinge side	Pack	2495		
		With 1 <i>special colour</i> sensor module and black linkage adapter for fitting on the hinge side				
		21	1 × Prosecure OptiSafe 1600 mm	With 2 <i>silver</i> sensor modules for fitting on the opposite hinge side	Pack	3505
				With 2 <i>silver</i> sensor modules and black linkage adapter for fitting on the hinge side		
With 2 <i>black or white</i> sensor modules for fitting on the opposite hinge side	Pack			3589		
With 2 <i>black or white</i> sensor modules and black linkage adapter for fitting on the hinge side						
		With 2 <i>special colour</i> sensor modules for fitting on the opposite hinge side	Pack	3757		
		With 2 <i>special colour</i> sensor modules and black linkage adapter for fitting on the hinge side				
Accessories for Prosecure OptiSafe				€ each		
22	Prosecure OptiSafe protective weather cover 1200 mm, transparent			126		
23	Prosecure OptiSafe protective weather cover 1600 mm, transparent			162		
24	Prosecure OptiSafe slave adapter			101		
Flatscan safety sensor				€ per set		
25	Flatscan silver (black) safety sensor, opening and closing side for door safeguarding including secondary closing edge			2388		

Actuation elements and safety equipment

For Dorma hinged leaf operators

For single-leaf and double-leaf T30 and T90 doors

Finger trap protection on one side, for inside use				€
For automatic doors acc. to EN 16005, a minimum length of 2015 mm (opposite hinge side) is required. The maximum delivery length is 2500 mm.				No. 32
26	Finger trap protection, anodised silver, cloth in black		Each	559
27	Finger trap protection, RAL 9016, RAL 7016 or anodised stainless steel, cloth in black		Each	635
28	Finger trap protection, RAL 3020, RAL 6005, RAL 7030 and RAL 9006 cloth in black		Each	693
29	Finger trap protection, anodised silver, cloth in yellow / black, bordeaux / black, blue / black, green / black, white / black	Length 2015 mm	Each	604
30	Finger trap protection, RAL 9016, RAL 7016 or anodised stainless steel, cloth in yellow / black, bordeaux / black, blue / black, green / black, white / black		Each	681
31	Finger trap protection, RAL 3020, RAL 6005, RAL 7030 and RAL 9006 cloth in yellow / black, bordeaux / black, blue / black, green / black, white / black		Each	739
32	Finger trap protection, anodised silver, cloth in black		Per metre	321
33	Finger trap protection, RAL 9016, RAL 7016 or anodised stainless steel, cloth in black		Per metre	359
34	Finger trap protection, RAL 3020, RAL 6005, RAL 7030 and RAL 9006, cloth in black		Per metre	416
35	Finger trap protection, anodised silver, cloth in yellow / black, bordeaux / black, blue / black, green / black, white / black		Per metre	344
36	Finger trap protection, RAL 9016, RAL 7016 or anodised stainless steel, cloth in yellow / black, bordeaux / black, blue / black, green / black, white / black		Per metre	381
37	Finger trap protection, RAL 3020, RAL 6005, RAL 7030 and RAL 9006 cloth in yellow / black, bordeaux / black, blue / black, green / black, white / black		Per metre	439

► Not mandatory when using a Flatscan safety sensor

Finger trap protection for doors without operator

See page 297

Good reasons to try Hörmann steel tubular frame construction project doors



Particularly narrow door view

S-Line system

HÖRMANN

For single-leaf and double-leaf doors

For general notes on using and equipping door closers and hinged leaf operators

see page 221

Product description

Automatic hinged leaf operators (type-tested in accordance with DIN 18650) without electric installation, pushing, in EV1 surface finish

Scope of delivery:

- Operators and control elements separate in accessory pack
- Mounting plate(s)
- Electric strike and latch contact fitted in the door
- Wiring prepared in the door for on-site connection

► **A 50 mm extension profile is required for fitting hinged leaf operators to doors without a transom light!**

► **For risk assessment in accordance with the appendix to the Machinery Directive and by reference to DIN 18650 / DIN EN 16005, you will need a detailed description of the on-site conditions near the door.**

► **The version with hinged leaf operators requires a third hinge per leaf at the top, which must be taken into consideration in the calculation for T30 doors!**

	Operator fitting side	Width (RAM)		Surcharge €
		Min.	Max.	
GEZE hinged leaf operator for single-leaf doors				
TSA 160 NTF in EV 1, pushing with standard linkage Including 1 × mounting plate	Opposite hinge side	778	1500	4901
• 1 × electric strike I.S.T., FT 503 FB, 24 V AC/DC, adjustable with feedback				575
• 1 × latch switching contact, Link, 100 13 31, VDS class C, cable length 10 m				103
• Hörmann push button HAT 02				70
• 1 × GEZE smoke sensor control RSZ 6				737
EMD F (motor-driven closing), pushing with standard linkage in EV 1 Including 1 × mounting plate	Hinge side	938	1338	4790
• 1 × electric strike I.S.T., FT 503B, 24 V AC/DC, adjustable with feedback				575
• 1 × latch switching contact, Link, 100 13 31, VDS class C, cable length 10 m				103
• Hörmann push button HAT 02				70
• 1 × GEZE smoke sensor control RSZ 6				737

	Operator fitting side	Width (RAM)		Division dimensions (RAM)		Surcharge €
		Min.	Max.	Min.	Max.	
GEZE hinged leaf operator for double-leaf doors						
TSA 160 NTF-IS in EV1/RAL 9016, pushing with standard linkage Including 2 × mounting plates	Opposite hinge side	1558	3000	≥ 609	≤ 1443	10615
• 1 × electric strike I.S.T., FT 503 FB, 24 V AC/DC, adjustable with feedback						575
• 1 × electro duct 480						203
• 1 × latch switching contact, Link, 100 13 31, VDS class C, cable length 10 m						103
• Hörmann push button HAT 02						70
• 1 × GEZE smoke sensor control RSZ 6						737
• 1 × ECO dual locking						41

MP = surcharge, EP = unit price

Operator accessories	Surcharge €
Operator in RAL to choose	Per operator 388
Package price for preparation for single-leaf operator, incl. electric strike and latch switching contact	1563
Package price for preparation for double-leaf operator, incl. electric strike, latch switching contact, electro duct 480 and ECO dual locking	2341

Actuation elements and safety equipment

For GEZE hinged leaf operators



Control elements (optional)		€ each
1	Radar movement detector GC 302 R, directional recognition, black	582
2	Radar movement detector GC 302 R, directional recognition, RAL to choose	582
3	Hörmann push button HAT 02	70
4	Plastic flat button with <i>Open door</i> symbol, surface-mounted, white	68
5	Plastic flat button with <i>Open door</i> symbol, surface-mounted, stainless steel	125
6	LS990 flat button with <i>Open door</i> symbol, surface-mounted, stainless steel look	331
7	LS990 flat button with <i>Open door</i> symbol, recessed, stainless steel look	279
8	AS 500 push button, surface-mounted, white, one-pole, surface-mounted box not included	58
9	AS 500 push button, recessed, white, one-pole	58
10	Key switch with profile cylinder, surface-mounted, surface-mounted box not included	104
11	Key switch with profile cylinder, recessed	104
12	Release button with text <i>Close door</i> , recessed, white/red	79
13	Release button with text <i>Close door</i> , surface-mounted, white/red, surface-mounted box not included	79
14	Emergency-off switch with glass pane, recessed, white/red	128
15	Emergency-off switch with glass pane, surface-mounted, white/red, surface-mounted box not included	128
16	Surface-mounted box for GEZE surface-mounted button	17,80

Safety equipment (optional)		€
Safety sensor strip GC 338		
16	GEZE safety sensor strip, GC 338, length 1200 mm, EV 1 (twin sensor strips)	Per pair 2807
17	GEZE safety sensor strip, GC 338, length 1200 mm, RAL 9016/RAL to choose (twin sensor strips)	Per pair 3033
18	GEZE safety sensor strip, GC 338, length 1500 mm, EV 1 (twin sensor strips)	Per pair 3979
19	GEZE security sensor strip, GC 338, length 1500 mm, RAL 9016 / RAL to choose (twin sensor strips)	Per pair 4229
Flatscan safety sensor		€ per set
19	Flatscan silver (black) safety sensor, opening and closing side for door safeguarding including secondary closing edge	2390

Finger trap protection on one side, for inside use		€
For automatic doors acc. to EN 16005, a minimum length of 2015 mm (opposite hinge side) is required. The maximum delivery length is 2500 mm.		No. 30
20	Finger trap protection, anodised silver, cloth in black	Each 559
21	Finger trap protection, RAL 9016, RAL 7016 or anodised stainless steel, cloth in black	Each 635
22	Finger trap protection, RAL 3020, RAL 6005, RAL 7030 and RAL 9006 cloth in black	Each 693
23	Finger trap protection, anodised silver, cloth in yellow / black, bordeaux / black, blue / black, green / black, white / black	Length 2015 mm Each 604
24	Finger trap protection, RAL 9016, RAL 7016 or anodised stainless steel, cloth in yellow / black, bordeaux / black, blue / black, green / black, white / black	Each 681
25	Finger trap protection, RAL 3020, RAL 6005, RAL 7030 and RAL 9006 cloth in yellow / black, bordeaux / black, blue / black, green / black, white / black	Each 739
26	Finger trap protection, anodised silver, cloth in black	Per metre 321
27	Finger trap protection, RAL 9016, RAL 7016 or anodised stainless steel, cloth in black	Per metre 359
28	Finger trap protection, RAL 3020, RAL 6005, RAL 7030 and RAL 9006, cloth in black	Per metre 416
29	Finger trap protection, anodised silver, cloth in yellow / black, bordeaux / black, blue / black, green / black, white / black	Per metre 344
30	Finger trap protection, RAL 9016, RAL 7016 or anodised stainless steel, cloth in yellow / black, bordeaux / black, blue / black, green / black, white / black	Per metre 381
31	Finger trap protection, RAL 3020, RAL 6005, RAL 7030 and RAL 9006 cloth in yellow / black, bordeaux / black, blue / black, green / black, white / black	Per metre 439

► Not mandatory when using a Flatscan safety sensor

Finger trap protection for doors without operator

see page 297

Good reasons to try Hörmann aluminium tubular frame construction project doors



Up to
55 mm
wider clear
passage width

Elegant door view without visible frame face

Frame without face

* compared to door version with fascia frame

HÖRMANN

Steel loft doors / steel loft sliding doors

Single-leaf and double-leaf doors

Contents



Steel loft doors		From page
Loft doors	Product description	328
	Technical drawings	329
	LFT 01 Slim	Single-leaf 332
	LFT 02 Slim	Double-leaf 333
	LVFG-OL	Transom light 334
	LVFG-ST	Side elements 337
Steel loft sliding doors		From page
Loft doors	Product description	338
	Technical drawings	339
	LFST 01 Slim	Single-leaf 340
	LFST 02 Slim	Double-leaf 341
Fittings and further optional extras		From page 342

General order information

- All door assemblies are made to order.
- Doors and side element or transom light combinations are designed as a coupling construction and open inwards as standard (glazing beads on the hinge side). Please note any surcharges.
- The ordering size is always the overall frame dimension (RAM).
- The prices indicated in this price list are generally surcharges and are only valid in conjunction with a door order.
- The glass is supplied separate as standard but optional fitting of the infill in the leaf at the factory is possible at a surcharge. An additional delivery time of 1 week must be taken into account in this case.

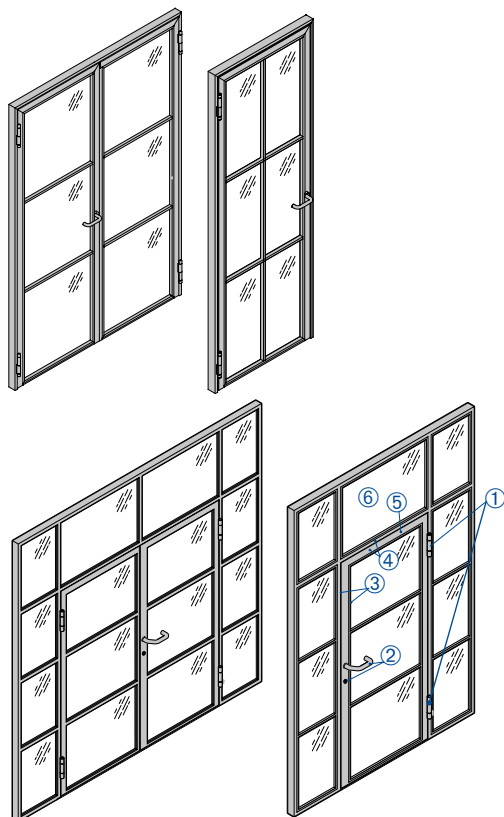
Steel loft doors

Single-leaf and double-leaf doors



Product description

Product description



Modern, exclusive loft doors (single and double-leaf) with and without side elements / steel transom lights.

Each door assembly will be individually manufactured according to measurements.

① Hinges

- 2 sturdy guide rollers, three-way adjustable (standard)
- Stainless steel guide rollers (optional)

② Fittings

- Tubular frame mortice lock (without profile cylinder)
- 10 different lever handle sets to choose from (standard)
- Profile cylinder and cylinder preparation (optional)

③ Seals

- EPDM door seal, 3-sided
- Glass hinge seal

④ Construction

- Galvanized steel tubular frame profiles, powder-coated in RAL 9005 Jet black (standard) or in preferred colours, RAL to choose or special colours (optional)

⑤ Visible surfaces

- Flush-fitting
- Viewed width (frame and leaf) 76 mm
- Viewed width (fixed glazing) 20 mm
- Bottom section height 20 mm
- Depth 60 mm

⑥ Glazing

- Laminated safety glass 6 mm (standard)
- Weight with standard glazing approx. 30 kg/m²
- Slim glazing bead on hinge side and opposite hinge side (standard)
- Angled glazing bead on hinge side and opposite hinge side (optional)

Size range (overall frame dimensions)

Single-leaf loft door (LFT 01 Slim)

- RAM (W x H) min. 650 x 1900 mm
- RAM (W x H) max. 1500 x 3000 mm

Double-leaf loft door (LFT 02 Slim)

- RAM (W x H) min. 1250 x 1900 mm
- RAM (W x H) max. 2500 x 3000 mm

Transom light (LFVG-OL)

- RAM (W x H) min. 300 x 300 mm
- RAM (W x H) max. 5000 x 1000 mm

Side element (LFVG-ST)

- RAM (W x H) min. 300 x 1900 mm
- RAM (W x H) max. 1250 x 3000 mm

Surface coating

Powder coating, both sides

- **Standard colour:** RAL 9005 Jet black
- **Preferred colours:**

RAL 7016 Anthracite grey
RAL 9006 White aluminium
RAL 9007 Grey aluminium
RAL 9016 Traffic white
RAL CH 703 Titan Metallic

- **RAL to choose:** KABE palette
- **Special colours:** NCS, textured and pearl-effect colours

Gloss levels:

- Matt as standard (gloss level 35 ±5)
- Special gloss levels (gloss level 75 ±10) or high-gloss (gloss level > approx. 85, gloss points according to ISO 2813, 60 degree measuring angle) are available to order.

Glazing

- **Laminated safety glass:**
 - Laminated safety glass 6 mm (standard)
 - Laminated safety glass 6 mm with matt plastic film (optional)
- **Glazing beads:** (on hinge side and opposite hinge side)
 - Standard: slim glazing bead (also as rails)
 - Optional: angled glazing bead

Fittings

- **Lock:** mortice lock
- **Lever handle:** lever height 1050 mm (without rose escutcheon as standard)
 - Standard: RAL 9005 Jet black
 - Optional: in stainless steel
- **Hinges:** 3-way weld-on guide rollers
 - Standard: in door colour
 - Optional: in stainless steel
- **Locking of fixed leaf** (for double-leaf loft doors):
 - Standard: to top
 - Optional: to bottom

Special profiles

- **Extension profiles** (max. 3 units per side):
Viewed width 30 mm or 50 mm
- **Corner profiles:** 90°

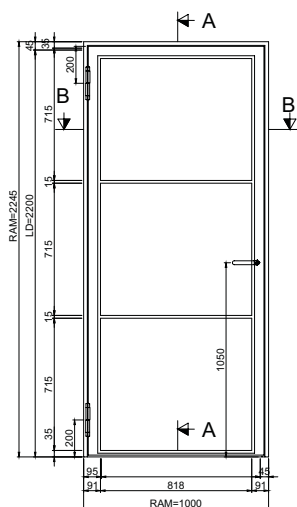
Steel loft doors

Single-leaf and double-leaf doors

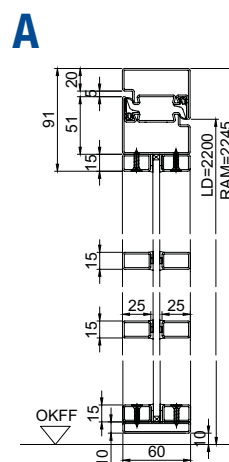
Technical drawings



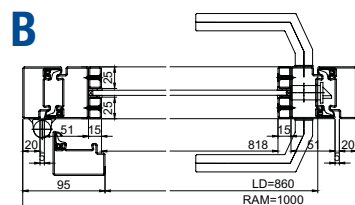
Single-leaf door view



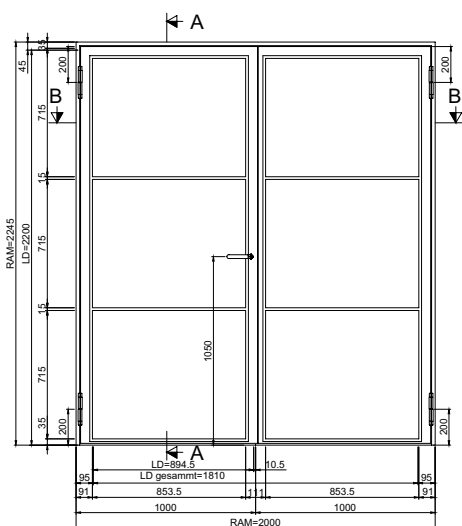
Vertical view



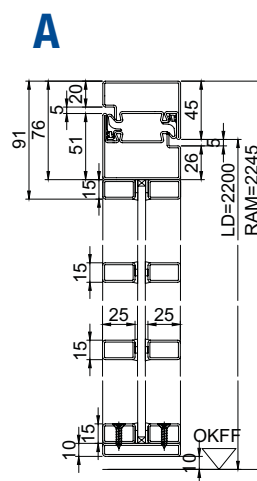
Horizontal view



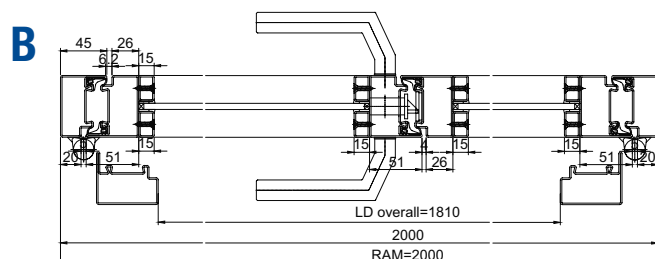
Double-leaf door view



Vertical view



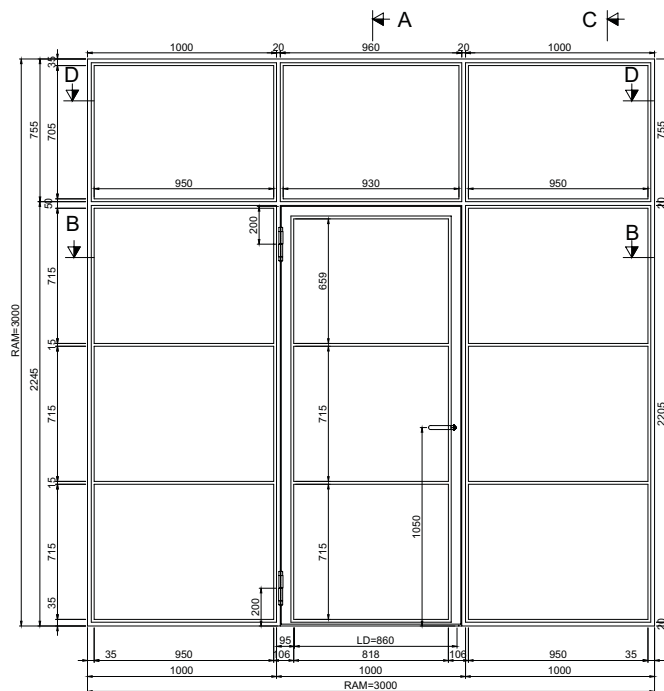
Horizontal view



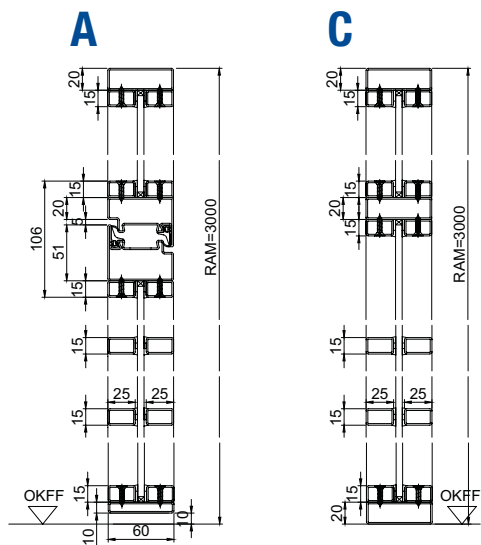
LD Clear passage dimension
LD GF Traffic leaf clear passage dimension
LD SF Fixed leaf clear passage dimension
RAMB Overall frame dimension width
RAMH Overall frame dimension height



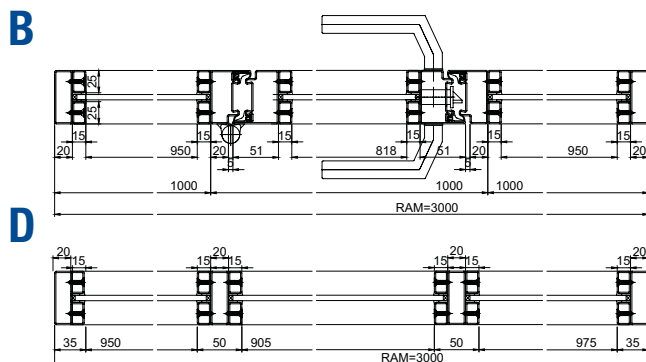
View of single-leaf door with side element and transom light



Vertical view



Horizontal view



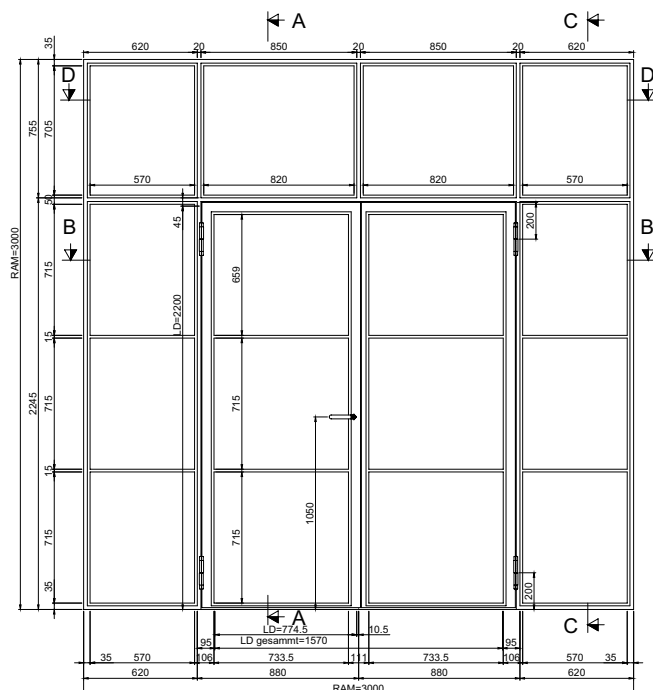
- | | |
|--------------|--------------------------------------|
| LD | Clear passage dimension |
| LD GF | Traffic leaf clear passage dimension |
| LD SF | Fixed leaf clear passage dimension |
| RAMB | Overall frame dimension width |
| RAMH | Overall frame dimension height |

Technical drawings

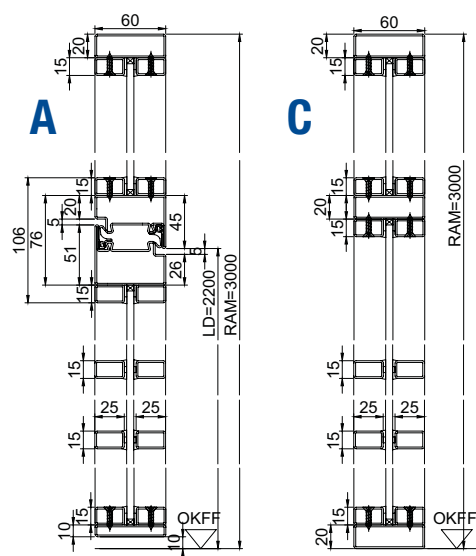
Double-leaf door – with side element and transom light



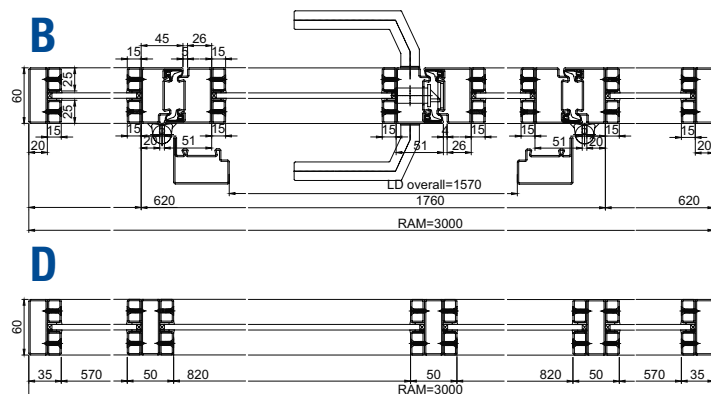
View of double-leaf door with side element and transom light



Vertical view



Horizontal view



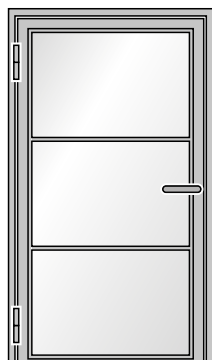
- LD** Clear passage dimension
- LD GF** Traffic leaf clear passage dimension
- LD SF** Fixed leaf clear passage dimension
- RAMB** Overall frame dimension width
- RAMH** Overall frame dimension height

Steel loft doors

Single-leaf loft door LFT 01 Slim



Product name	Single-leaf loft door
	LFT 01 Slim
Depth [mm]	60
RAM width (min – max) [mm]	650 – 1500
RAM height (min – max) [mm]	1900 – 3000
Construction sector	Residential construction / residential internal door



Set price =

frame / leaf incl. glass
Fittings and other optional extras

Already included in the price:

- 1 x mortice lock
- 2 x 3-way weld-on guide rollers in door colour
- 1 x lever handle set (standard), without profile cylinder and profile cylinder milling
- Laminated safety glass glazing 6 mm
- Slim glazing bead on hinge side and opposite hinge side (standard)

► State opening sense on order!

* Fittings in preferred colours, RAL to choose or special colours, in RAL 9005 Jet black as standard.

Single-leaf loft door LFT 01 Slim

Ordering sizes (RAM) up to width x up to height			Single-leaf loft door LFT 01 Slim RAL 9005 Jet black	Surface coating * Surcharge		
				Preferred colour	RAL to choose	Special colour NCS / textured
750	x	2000	2179	139	181	271
		2250	2266	143	186	279
		2500	2354	150	195	293
		2750	2441	157	204	306
		3000	2528	159	207	310
1000	x	2000	2365	142	185	277
		2250	2471	150	195	293
		2500	2578	158	205	308
		2750	2684	161	209	314
		3000	2790	166	216	324
1250	x	2000	2551	154	200	300
		2250	2676	161	209	314
		2500	2802	166	216	324
		2750	2927	171	222	333
		3000	3052	180	234	351
1500	x	2000	2737	159	207	310
		2250	2881	164	213	320
		2500	3026	171	222	333
		2750	3170	178	231	347
		3000	3314	185	241	361

Number of rails

Ordering sizes Width	Max. number Vertical rails	Ordering sizes Height	Max. number Horizontal rails
750 – 899	1	2000 – 2299	4
900 – 1249	2	2300 – 2699	5
1250 – 1500	3	2700 – 3000	6

Fittings / additional functions			€
Rails:	Each	Horizontal	143
		Vertical	178
			€
Extension profiles:	(max. 3 units per side)	Viewed width 30 mm	138
		Viewed width 50 mm	174
			€
Lever handle sets:	(10 lever handle models as standard)	8100 A, 8100 V, 8140 A, 8907 A, 8907 V, 8906 A, 8906 V, 8940 A, 8928 A, 8155 V	Included in the price
Bar handles:	(3 push bar models as standard)	HL G-07, HL G-08, HL G-09	415
Glazing beads:	Fixed price	Angled glazing bead on hinge side and opposite hinge side	89

Fittings and further optional extras

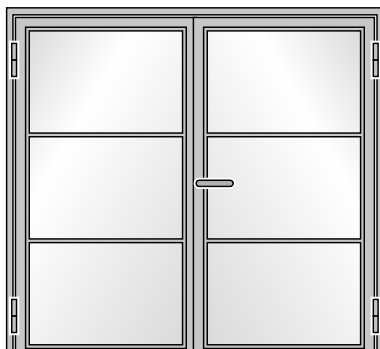
From page 342

Steel loft doors

Double-leaf loft door LFT 02 Slim



Product name	Double-leaf loft door
	LFT 02 Slim
Depth [mm]	60
RAM width (min – max) [mm]	1250 – 2500
RAM height (min – max) [mm]	1900 – 3000
Construction sector	Residential construction / residential internal door



Set price =

frame / leaf incl. glass
Fittings and other optional extras

Already included in the price:

- 1 × mortice lock
- 2 × 3-way weld-on guide rollers in door colour per leaf
- 1 × lever handle set (standard), without profile cylinder and profile cylinder milling
- Laminated safety glass glazing 6 mm
- Slim glazing bead on hinge side and opposite hinge side (standard)
- Top locking of fixed leaf (standard)

► State opening sense on order!

* Fittings in preferred colours, RAL to choose or special colours, in RAL 9005 Jet black as standard.

Double-leaf loft door LFT 02 Slim

Ordering sizes (RAM) up to width × up to height		Double-leaf loft door LFT 02 Slim RAL 9005 Jet black	Surface coating * Surcharge		
			Preferred colour	RAL to choose	Special colour NCS / textured
1500	× 2000		238	309	464
		2250	247	321	482
		2500	255	332	497
		2750	263	342	513
		3000	269	350	525
1750	× 2000		249	324	486
		2250	261	339	509
		2500	267	347	521
		2750	274	356	534
		3000	285	371	556
2000	× 2000		261	339	509
		2250	268	348	523
		2500	278	361	542
		2750	286	372	558
		3000	299	389	583
2250	× 2000		268	348	523
		2250	281	365	548
		2500	290	377	566
		2750	300	390	585
		3000	310	403	605
2500	× 2000		278	361	542
		2250	290	377	566
		2500	301	391	587
		2750	310	403	605
		3000	322	419	628

Number of rails

Ordering sizes Width	Max. number Vertical rails	Ordering sizes Height	Max. number Horizontal rails
1500 – 1799	1*	2000 – 2299	4*
1800 – 2500	2*	2300 – 2699	5*
		2700 – 3000	6*

Fittings / additional functions

Rails:	Each	Horizontal	143
		Vertical	178

Extension profiles:

(max. 3 units per side)	Viewed width 30 mm	138
	Viewed width 50 mm	174

Lever handle sets:

(10 lever handle models as standard)	8100 A, 8100 V, 8140 A, 8907 A, 8907 V, 8906 A, 8906 V, 8940 A, 8928 A, 8155 V	Included in the price
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Bar handles:

(3 push bar models as standard)	HL G-07, HL G-08, HL G-09	415
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Glazing beads:

Fixed price	Angled glazing bead on hinge side and opposite hinge side	89
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Locking of fixed leaf

Optional	Bottom lock	187
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Fittings and further optional extras

	From page 342
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Fixed glazing – steel

Transom light for single-leaf and double-leaf doors



Product name	Loft door transom light
	LFVG- OL Slim
Depth [mm]	60
RAM width (min – max) [mm]	300 – 5000
RAM height (min – max) [mm]	300 – 1000
Construction sector	Residential construction / residential internal door



Transom light

Set price =

Frame as fixed glazing incl. glass

Already included in the price:

- Laminated safety glass glazing 6 mm
- Slim glazing bead on hinge side and opposite hinge side (standard)

Loft door LFVG- OL Slim

Ordering sizes (RAM) up to width x up to height		Transom light LFVG- OL Slim	Surface coating * Surcharge		
			Preferred colour	RAL to choose	Special colour NCS / textured
500	x	400			
		500	33	43	64
		750	41	53	80
		1000	46	60	90
750	x	400	54	70	105
		500	39	51	76
		750	47	61	92
		1000	61	79	119
1000	x	400	67	87	131
		500	49	64	96
		750	57	74	111
		1000	67	87	131
1250	x	400	74	96	144
		500	57	74	111
		750	65	85	127
		1000	72	94	140
1500	x	400	79	103	154
		500	61	79	119
		750	68	88	133
		1000	76	99	148
1750	x	400	83	108	162
		500	66	86	129
		750	74	96	144
		1000	82	107	160
2000	x	400	92	120	179
		500	68	88	133
		750	78	101	152
		1000	85	111	166
2250	x	400	96	125	187
		500	72	94	140
		750	82	107	160
		1000	92	120	179
2500	x	400	101	131	197
		500	76	99	148
		750	85	111	166
		1000	96	125	187
			106	138	207

Number of rails			
Ordering sizes Width	Max. number Vertical rails	Ordering sizes Height	Max. number Horizontal rails
500 – 899	1	600 – 899	1
900 – 1249	2	900 – 1000	2
1250 – 1599	3		
1600 – 1949	4		
1950 – 2299	5		
2300 – 2699	6		

Fixed glazing – steel

Transom light for single-leaf and double-leaf doors



Product name	Loft door transom light
	LFVG- OL Slim
Depth [mm]	60
RAM width (min – max) [mm]	300 – 5000
RAM height (min – max) [mm]	300 – 1000
Construction sector	Residential construction / residential internal door



Transom light

Set price =

Frame as fixed glazing incl. glass

Already included in the price:

- Laminated safety glass glazing 6 mm
- Slim glazing bead on hinge side and opposite hinge side (standard)

Loft door LFVG- OL Slim

Ordering sizes (RAM) up to width x up to height		Transom light LFVG- OL Slim	Surface coating * Surcharge		
			Preferred colour	RAL to choose	Special colour NCS / textured
2750	x 400	RAL 9005 Jet black			
		1427	78	101	152
		1493	90	117	176
		1659	100	130	195
3000	x 400	1825	115	150	224
		1458	80	104	156
		1530	94	122	183
		1710	104	135	203
3250	x 400	1890	119	155	232
		1489	89	116	174
		1567	99	129	193
		1761	108	140	211
3500	x 400	1955	119	155	232
		1520	96	125	187
		1603	105	137	205
		1812	116	151	226
3750	x 400	2021	124	161	242
		1551	101	131	197
		1640	112	146	218
		1863	120	156	234
4000	x 400	2086	135	176	263
		1582	106	138	207
		1676	118	153	230
		1914	129	168	252
4250	x 400	2151	142	185	277
		1612	111	144	216
		1713	126	164	246
		1965	138	179	269
		2216	153	199	298

Number of rails			
Ordering sizes Width	Max. number Vertical rails	Ordering sizes Height	Max. number Horizontal rails
2700 – 3099	7	500 – 899	1
3100 – 3499	8	900 – 1000	2
3500 – 3899	9		
3900 – 4299	10		

Fittings / additional functions			€
Rails:	Each	Horizontal	143
		Vertical	178
			€
Extension profiles:	(max. 3 units per side)	Viewed width 30 mm	138
		Viewed width 50 mm	174
Glazing beads:	Fixed price	Angled glazing bead on hinge side and opposite hinge side	89

Fittings and further optional extras	From page 342
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Fixed glazing – steel

Transom light for single-leaf and double-leaf doors



Product name	Loft transom light
	LFVG- OL Slim
Depth [mm]	60
RAM width (min – max) [mm]	300 – 5000
RAM height (min – max) [mm]	300 – 1000
Construction sector	Residential construction / residential internal door



Transom light

Already included in the price:

- Laminated safety glass glazing 6 mm
- Glazing bead on both sides (standard)

Loft door LFVG- OL Slim

Ordering sizes (RAM) up to width × up to height	Transom light LFVG- OL Slim	Surface coating * Surcharge		
		Preferred colour	RAL to choose	Special colour NCS / textured
4500 × 400	RAL 9005 Jet black			
	1612	124	161	242
	1750	135	176	263
	2016	146	190	285
4750 × 400	2282	154	200	300
	1674	128	166	250
	1786	140	182	273
	2067	153	199	298
5000 × 400	2347	164	213	320
	1705	136	177	265
	1823	148	192	289
	2118	162	211	316
	2412	173	225	337

Number of rails			
Ordering sizes Width	Max. number Vertical rails	Ordering sizes Height	Max. number Horizontal rails
4300 – 4699	11	600 – 899	1
4700 – 5000	12	900 – 1000	2

Fittings / additional functions			€
Rails:	Each	Horizontal	143
		Vertical	178
			€
Extension profiles:	(max. 3 units per side)	Viewed width 30 mm	138
		Viewed width 50 mm	174
Glazing beads:	Fixed price	Angled glazing bead on hinge side and opposite hinge side	89

Fittings and further optional extras	From page 342
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Fixed glazing – steel

Side element for single-leaf and double-leaf doors



Product name	Loft side element
	LFVG- ST Slim
Depth [mm]	60
RAM width (min – max) [mm]	300 – 1250
RAM height (min – max) [mm]	1900 – 3000
Construction sector	Residential construction / residential internal door



Side element

Already included in the price:

- Laminated safety glass glazing 6 mm
- Glazing bead on both sides (standard)

Loft door LFVG- ST Slim

Ordering sizes (RAM) up to width x up to height			Side element LFVG- ST Slim	Surface coating * Surcharge		
				Preferred colour	RAL to choose	Special colour NCS / textured
500	x	2000	RAL 9005 Jet black	74	96	144
		2250	1383	83	108	162
		2500	1420	93	121	181
		2750	1457	99	129	193
		3000	1493	105	137	205
750	x	2000	1530	84	109	164
		2250	1506	91	118	177
		2500	1557	100	130	195
		2750	1608	106	138	207
		3000	1659	116	151	226
1000	x	2000	1710	89	116	174
		2250	1629	99	129	193
		2500	1694	105	137	205
		2750	1759	114	148	222
		3000	1825	120	156	234
1250	x	2000	1890	96	125	187
		2250	1751	104	135	203
		2500	1831	112	146	218
		2750	1911	119	155	232
		3000	1990	131	170	255
		2000	2070			
		2250				
		2500				
		2750				
		3000				

Number of rails

Ordering sizes Width	Max. number Vertical rails	Ordering sizes Height	Max. number Horizontal rails
600 – 899	1	2000 – 2299	4
900 – 1250	2	2300 – 2699	5
		2700 – 3000	6

Fittings/ additional functions

Rails:	Each	Horizontal	143
		Vertical	178
			€
Extension profiles:	(max. 3 units per side)	Viewed width 30 mm	138
		Viewed width 50 mm	174
Glazing beads:	Fixed price	Angled glazing bead on hinge side and opposite hinge side	89

Fittings and further optional extras

From page 342

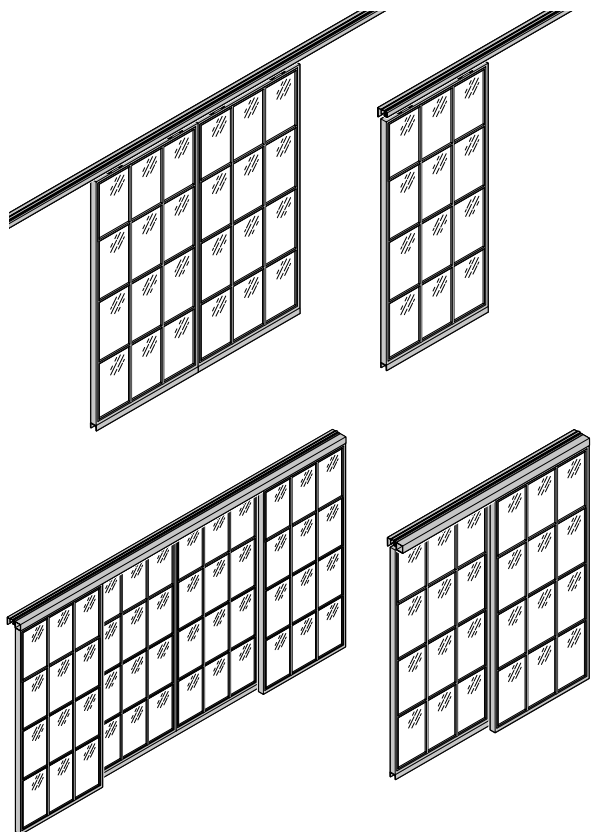
Steel loft door sliding doors

Single-leaf and double-leaf doors



Product description

Product description



Modern, exclusive loft sliding doors (single-leaf and double-leaf) with and without side elements.

Each door assembly will be individually manufactured according to measurements.

Track variant

- Wall fitting
- Ceiling or wall opening
- Wall pocket fitting
- SmartStop system (optional)
- Synchronous double-leaf (optional)

Fittings

- 4 different sliding door shells to choose from (standard)

Seals

- Glass hinge seal

Construction

- Galvanized steel tubular frame profiles, powder-coated in RAL 9005 Jet black (standard) or in preferred colours, RAL to choose or special colours (optional)

Visible surfaces

- Flush-fitting
- Viewed width 20 mm
- Viewed width (fixed glazing) 20 mm
- Bottom section height 50 mm
- Fixed glazing depth 60 mm
- Sliding door depth 40 mm

Glazing

- Laminated safety glass 6 mm (standard)
- Weight with standard glazing approx. 30 kg/m²
- Slim glazing bead on hinge side and opposite hinge side (standard)

Size range (overall frame dimensions)

Single-leaf loft sliding door (LFST 01 Slim)

- RAM (W x H) min. 650 x 1900 mm
- RAM (W x H) max. 1500 x 3000 mm

Double-leaf loft sliding door (LFST 02 Slim)

- RAM (W x H) min. 1250 x 1900 mm
- RAM (W x H) max. 2500 x 3000 mm

Side element (LFST V1 or LFST V2)

- RAM (W x H) min. 300 x 1900 mm
- RAM (W x H) max. 1250 x 3000 mm

Surface coating

Powder coating, both sides

- **Standard colour:** RAL 9005 Jet black
- **Preferred colours:**
 - RAL 7016 Anthracite grey
 - RAL 9006 White aluminium
 - RAL 9007 Grey aluminium
 - RAL 9016 Traffic white
 - RAL CH 703 Titan Metallic
- **RAL to choose:** KABE palette
- **Special colours:** NCS, textured and pearl-effect colours

Gloss levels:

- Matt as standard (gloss level 35^{±5})
- Special gloss levels (gloss level 75^{±10}) or high-gloss (gloss level > approx. 85, gloss points according to ISO 2813, 60 degree measuring angle) are available to order.

Glazing

- **Laminated safety glass:**
 - Laminated safety glass 6 mm (standard)
 - Laminated safety glass 6 mm with matt plastic film (optional)
- **Glazing beads:** (on hinge side and opposite hinge side)
 - Standard: slim glazing bead (also as rails)

Special profiles

- **Top extension profile:**
 - Viewed width 60 mm for sliding door version with side element as connection (connector)
- **Viewed width 80 mm for double-leaf synchronous version**
 - as sliding door version with side element as connection (connector)
- **Extension profiles** (max. 3 units per side):
 - Viewed width 30 mm or 50 mm
- **Corner profiles:** 90°

Single-leaf and double-leaf doors

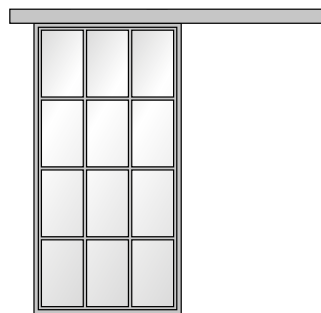
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Steel loft sliding doors

Single-leaf loft sliding door LFST 01 Slim



Product name	Single-leaf loft sliding door
	LFST 01 Slim
Depth [mm]	40 mm
RAM width (min – max) [mm]	650 – 1500
RAM height (min – max) [mm]	1900 – 3000
Construction sector	Residential construction / residential internal door



Set price =

frame / leaf incl. glass
Fittings and other optional extras.

Already included in the price:

- Security door leaf
- Laminated safety glass glazing 6 mm
- Slim glazing bead
- Frame type in front of the wall

Plus:

- Corresponding frame type
- Bar handle selection

► State opening sense on order! Bar handles for RAL to choose or special colours in RAL 9005 Jet black as standard.

Single-leaf loft sliding door LFST 01 Slim						
Ordering sizes (RAM) up to width × up to height			Loft sliding door LFST 01 Slim		Surface coating * Surcharge	
			RAL 9005 Jet black		Preferred colour	Special colour NCS / textured
750	×	2000	2397		139	271
		2250	2493		143	279
		2500	2589		150	293
		2750	2685		157	306
		3000	2781		159	310
1000	×	2000	2601		142	277
		2250	2718		150	293
		2500	2835		158	308
		2750	2952		161	314
		3000	3069		166	324
1250	×	2000	2806		154	300
		2250	2944		161	314
		2500	3082		166	324
		2750	3220		171	333
		3000	3357		180	351
1500	×	2000	3011		159	310
		2250	3169		164	320
		2500	3328		171	333
		2750	3487		178	347
		3000	3646		185	361

Number of rails			
Ordering sizes Width	Max. number Vertical rails	Ordering sizes Height	Max. number Horizontal rails
750 – 899	1	2000 – 2299	4
900 – 1249	2	2300 – 2699	5
1250 – 1500	3	2700 – 3000	6

Fittings / additional functions			€
Rails:	Each	Horizontal	143
		Vertical	178
			€
Frame type:	In front of the wall	Included in the price	
	In the wall opening or fitting to ceiling		-82
	Running within the wall – pocket fitting		-187
Sliding door shells:	(4 sliding door shells as standard)	HL MG-02, HL MG-03, HL MG-04, HL MG-05	265
SmartStop:	Per set		386

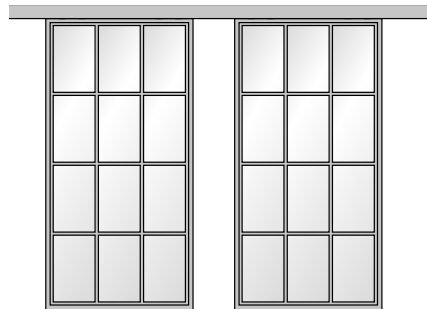
Fittings and further optional extras	From page 342
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Steel loft sliding doors

Double-leaf loft sliding door LFST 02 Slim



Product name	Double-leaf loft sliding door
	LFST 02 Slim
Depth [mm]	40 mm
RAM width (min – max) [mm]	1250 – 2500
RAM height (min – max) [mm]	1900 – 3000
Construction sector	Residential construction / residential internal door



Set price =

frame / leaf incl. glass
Fittings and other optional extras

Already included in the price:

- Security door leaf
- Laminated safety glass glazing 6 mm
- Slim glazing bead
- Frame type in front of the wall

Plus:

- Corresponding frame type
- Bar handle selection
- Number of rails

► State opening sense on order! Bar handles for RAL to choose or special colours in RAL 9005 Jet black as standard.

Double-leaf loft sliding door LFST 02 Slim

Ordering sizes (RAM) up to width x up to height			Loft sliding door LFST 02 Slim RAL 9005 Jet black	Surface coating * Surcharge		
				Preferred colour	RAL to choose	Special colour NCS / textured
1500	x	2000	4016	238	309	464
	x	2250	4211	247	321	482
	x	2500	4405	255	332	497
	x	2750	4600	263	342	513
	x	3000	4794	269	350	525
1750	x	2000	4278	249	324	486
	x	2250	4499	261	339	509
	x	2500	4720	267	347	521
	x	2750	4941	274	356	534
	x	3000	5162	285	371	556
2000	x	2000	4539	261	339	509
	x	2250	4787	268	348	523
	x	2500	5034	278	361	542
	x	2750	5282	286	372	558
	x	3000	5529	299	389	583
2250	x	2000	4800	268	348	523
	x	2250	5074	281	365	548
	x	2500	5349	290	377	566
	x	2750	5623	300	390	585
	x	3000	5897	310	403	605
2500	x	2000	5061	278	361	542
	x	2250	5362	290	377	566
	x	2500	5663	301	391	587
	x	2750	5964	310	403	605
	x	3000	6265	322	419	628

Number of rails			
Ordering sizes Width	Max. number Vertical rails	Ordering sizes Height	Max. number Horizontal rails
1500 – 1799	1*	2000 – 2299	4*
1800 – 2500	2*	2300 – 2699	5*
per leaf		2700 – 3000	6

Fittings / additional functions			€
Rails:	Each	Horizontal	143
		Vertical	178
			€
Frame type:	In front of the wall	Included in the price	
	In the wall opening or fitting to ceiling	-116	
	Running within the wall – pocket fitting	-326	
	Synchronous	1286	
Sliding door shells:	(4 sliding door shells as standard)	HL MG-02, HL MG-03, HL MG-04, HL MG-05	265
SmartStop:	Per set		742

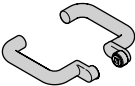

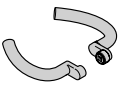
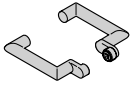
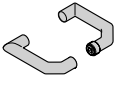
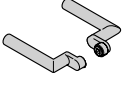
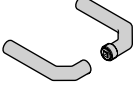
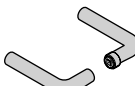
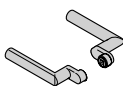
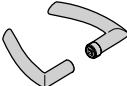
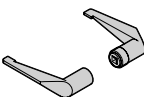


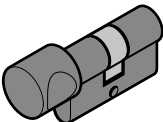
Fittings and further optional extras From page 342

Steel loft doors

Single-leaf loft door LFT 01 Slim /
double-leaf loft door LFT 02 Slim



Fittings and further optional extras

Lever handle sets – hinged doors (lever handle / lever handle)				€/ door
Notice: Lever handle sets are always supplied separate, in black RAL 9005 as standard, optionally in stainless steel.				
	Ogro design model 8100 A		Black, RAL 9005	Standard
			Stainless steel, V2A	140
	Ogro design model 8100 V		Black, RAL 9005	Standard
			Stainless steel, V2A	140
	Ogro design model 8140 A		Black, RAL 9005	Standard
			Stainless steel, V2A	140
	Ogro design model 8907 A		Black, RAL 9005	Standard
			Stainless steel, V2A	140
	Ogro design model 8907 V		Black, RAL 9005	Standard
			Stainless steel, V2A	140
	Ogro design model 8906 A		Black, RAL 9005	Standard
			Stainless steel, V2A	140
	Ogro design model 8906 V		Black, RAL 9005	Standard
			Stainless steel, V2A	140
	Ogro design model 8155 V		Black, RAL 9005	Standard
			Stainless steel, V2A	140
	Ogro design model 8928 A		Black, RAL 9005	Standard
			Stainless steel, V2A	140
	Ogro design model 8940 A		Black, RAL 9005	Standard
			Stainless steel, V2A	140
	ECO – design model Kome D-810		Brass, concrete	212
			Stainless steel design	
Profile cylinder and profile cylinder preparation – hinged doors				€/ each
	CES C – 690 Unicolor – Midnight Black	Cylinder spacing 31/31	Black, RAL 9005	141
			Stainless steel design	
	CES C – 692 Bi-colour – Midnight Black	Cylinder spacing 31/31	Black, RAL 9005	141
			Stainless steel design	
	CES variants Rotary knob	Cylinder spacing 31/31	Black, RAL 9005	166
			Stainless steel design	

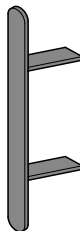
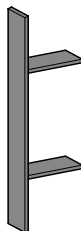
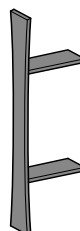
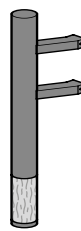

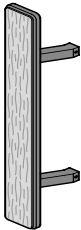
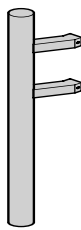
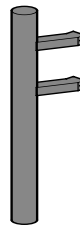
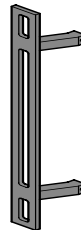
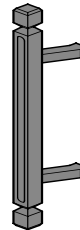
Steel loft doors

Single-leaf loft door LFT 01 Slim /
double-leaf loft door LFT 02 Slim


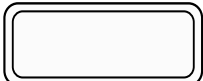




Fittings and further optional extras

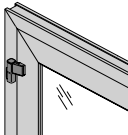
High-quality bar handles in different shapes (screwed on)

Hörmann design Model HL G-07  <p>Lengths (mm) 300; 500; 700; 900; 1100 Black bar, RAL 9005 as well as in door colour 415 €</p>	Hörmann design Model HL G-08  <p>Lengths (mm) 300; 500; 700; 900; 1100 Black bar, RAL 9005 as well as in door colour 415 €</p>	Hörmann design Model HL G-09  <p>Lengths (mm) 300; 500; 700; 900; 1100 Black bar, RAL 9005 as well as in door colour 415 €</p>	Hörmann design Model HL G-10  <p>Lengths (mm) 500 Jet black matt bar, round with oak handle 583 €</p>	Hörmann design Model HL G-11  <p>Lengths (mm) 500 Jet black matt bar, with Lacobel glass inlay 583 €</p>
Hörmann design Model HL G-12  <p>Lengths (mm) 500 Jet black matt bar, with oak inlay 583 €</p>	Hörmann design Model HL G-13  <p>Lengths (mm) 500 Finely polished stainless steel bar 583 €</p>	Hörmann design Model HL G-14  <p>Lengths (mm) 500 Jet black matt bar, round 583 €</p>	Hörmann design Model HL G-15  <p>Lengths (mm) 500 Jet black matt bar, industrial design 583 €</p>	Hörmann design Model HL G-16  <p>Lengths (mm) 500 Jet black matt bar, art deco 583 €</p>

Hörmann sliding door shells

Model HL MG-02  <p>RAL 9005 as well as in door colour 265 €</p>	Model HL MG-03  <p>RAL 9005 as well as in door colour 265 €</p>	Model HL MG-04  <p>RAL 9005 as well as in door colour 265 €</p>	Model HL MG-05  <p>RAL 9005 as well as in door colour 265 €</p>
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Door closers and hold-open devices

	Concealed door closer Dorma-ITS 96 <ul style="list-style-type: none"> Opening angle 120° Max. leaf weight 130 kg Only traffic leaf possible with double-leaf doors. 	Overall frame dimension		521
		Min.	Max.	
		≥ 788	≤ 1488	

Bottom seal without threshold rail

Retractable bottom seal <ul style="list-style-type: none"> For fitting on a smooth, level floor Stiffener only for transport protection 	Single-leaf	167
	Double-leaf	334

Steel loft doors

Single-leaf loft door LFT 01 Slim /
double-leaf loft door LFT 02 Slim



Fittings and further optional extras

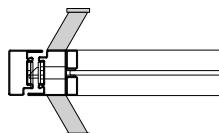
Push bars (welded on)

1) Push bar HL G-06 made of box section for rail fixing (min. 2 or 3 rails) required.

L Length of bar handle	300	500	700	900	1100
x Distance of support brackets from the handle ends	50	100	150	200	250

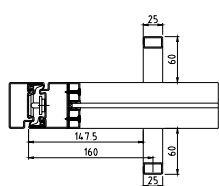
Please state the handle no. and the length of the bar handle on the order.

Fig.: similar



* Valid for HL G-07 to HL G-09

1)

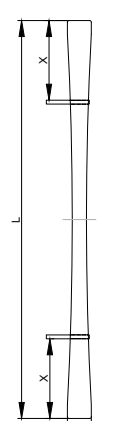
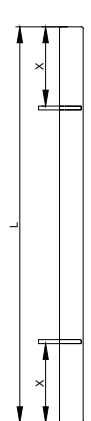
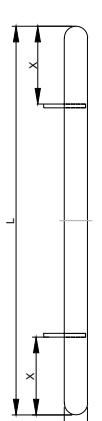
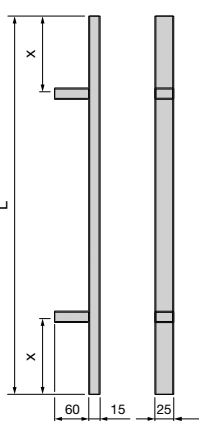


* Valid for HL G-06

Notice:

The bar handle length depends on the rail spacing and is individually adapted.

✓ Drawing no. 2: remove X-values and dimensions.



Handle no.	HL G-06	HL G-07	HL G-08	HL G-09
Material / surface finish	in door colour	in door colour	in door colour	in door colour
Number of support brackets	2	2	2	2
Surcharge € for handle package	522	522	522	522

Hinges			€
3-way weld-on guide roller	in door colour	Each	Standard
	in stainless steel (V2A)	Each	131
Corner profile			€
90° corner	in door colour	Each	294
Extension profiles			€
Max. 3 units per side	Viewed width 30 mm	Each	148
	Viewed width 50 mm	Each	174
For sliding door version with side element as connection (connector)	Viewed width 60 mm	Each	329
For double-leaf synchronous version as sliding door with side element as connection (connector)	Viewed width 80 mm	Each	376
Rails			€
Rails	Horizontal	Each	143
	Vertical	Each	178
Locking			€
Locking of fixed leaf	Top		Standard
	Bottom	Per door	187
Glazing beads			€
Glazing beads on hinge side and opposite hinge side	Slim glazing bead (also as rails)		Standard
	Angled glazing bead	Flat rate per door / side element / transom light	88
Further optional extras			€
Laminated safety glass glazing 6 mm with matt plastic film		Per m²	Surcharge
			149
Omission of laminated safety glass glazing if glazing is provided on site		Price reduction per m²	-48

Good reasons to try Hörmann
steel and aluminium tubular frame
construction project doors



Up to
73 mm
wider clear
passage width

Maximum clear passage width

Steel profile frame

* compared to door version with fascia frame

HÖRMANN

Good reasons to try Hörmann steel tubular frame construction project doors



Particularly narrow door view

S-Line system

HÖRMANN

Good reasons to try Hörmann aluminium tubular frame construction project doors



Up to
55 mm
wider clear
passage width

Elegant door view without visible frame face

Frame without face

* compared to door version with fascia frame

HÖRMANN

Good reasons to try Hörmann steel loft doors



Industrial style for living areas and workspaces

**Large glazings with
high-quality steel profiles**

HÖRMANN

Good reasons to try Hörmann steel tubular frame construction project doors



Particularly narrow door view

S-Line system

HÖRMANN

Brand quality for residential and commercial construction

The family-owned company Hörmann offers all important construction components for building and renovating projects from a single source. We manufacture in highly-specialised factories using state-of-the-art production technologies. Furthermore, our employees work intensively on new products, continual further developments and improvements to details. The results are patents and one-of-a-kind products you can depend on.

