

Industrial price list 09-22.1

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**Sliding gates,
loading bridges,
double-action doors and
strip curtains**

HÖRMANN

Hörmann international sales companies and sales partners



Hörmann KG
Verkaufsgesellschaft
Upheider Weg 94-98
D-33803 Steinhagen
Telefon +49 5204 915-0
Telefax +49 5204 915-277
Internet www.hoermann.com

Hörmann international sales companies

International sales partners

Hörmann international sales companies

Hörmann Austria
A-5310 Mondsee
info@hoermann.at

Hörmann Baltic
LT-14247 Vilnius r.
info@hoermann.lt

Hörmann Bel
BY-220125 Minsk
info@hoermann.by

Hörmann Belgium
B-3700 Tongeren
info@hoermann.be

Hörmann Bulgaria
BG-1532 Sofia
info.sof@hoermann.bg

Hörmann Česká republika
CZ-252 68 Středokluky
info@hoermann.cz

Hörmann China
CN-100176 Beijing
info@hoermann.cn

Hörmann Danmark
DK-8920 Randers
info@hoermann.dk

Hörmann Eesti
EST-76505 Saue
info.tll@hoermann.ee

Hörmann España
E-08228 Terrassa
info.cat@hoermann.es

Hörmann Finland
FIN-02420 Jorvas
info@mesvac.fi

Hörmann France
F-89107 Sens
info@hoermann.fr

Hörmann Hellas
GR-19400 Koropi
info@hoermann.gr

Hörmann Hong Kong
HK-Quarry Bay
info@hoermann.com.hk

Hörmann Hrvatska
HR-10000 Zagreb
info@hoermann.hr

Hörmann Hungária
H-2310 Szigetszentmiklós
info@hoermann.hu

Hörmann Indien
Shakti Hörmann
IND-500015 Secunderabad,
Telangana
info@shaktihormann.com

Hörmann Indonesia
ID-12520 Jakarta
info@hoermann.id

Hörmann Ireland
IRL – Y35 HH72 Wexford
info@hoermann.ie

Hörmann Italia
I-38015 Lavis (Trento)
info@hoermann.it

Hörmann Kazakhstan
KZ-050019 Almaty
info@hoermann.kz

Hörmann Malaysia
MAL-40150 Shah Alam,
Selangor
info@hoermann.com.my

Hörmann Maroc
MA-28810 Mohammedia
info@hoermann.ma

Hörmann Mexico
MEX-66350
Santa Catarina
info@hoermann.com.mx

Hörmann Middle East & Africa
UAE-Dubai
info.dxb@hoermann.com

Hörmann Myanmar
MM-Yangon
info@hoermann.com.mm

Hörmann Nederland
NL-3771 MB Barneveld
info@hoermann.nl

Hörmann Norge
N-4640 Søgne
info@hoermann.no

Hörmann Polska
PL-62-052 Komorniki
info@hoermann.pl

Hörmann Portugal
P-2710-297 Sintra
info@hoermann.pt

Hörmann Romania
RO-077040, Chiajna,
Județul Ilfov
info@hoermann.ro

Hörmann Russia
RUS-196696
Sankt Petersburg
info@hoermann.ru

Hörmann Schweiz
CH-4702 Oensingen
info@hoermann.ch

Hörmann Serbia
SRB-11272
Beograd-Dobanovci
info@hoermann.rs

Hörmann Slovenija
SI-3301 Petrovče
info@hoermann.si

Hörmann Slovenská republika
SK-903 01 Senec
info.bts@hoermann.com

Hörmann Svenska
S-70369 Örebro
info@hoermann.se

Hörmann Thailand
TH-Bangplee,
Samutprakarn 10540
info@hoermann.co.th

Hörmann Türkiye
TR-34870 Kartal – İstanbul
info.ist@hoermann.com.tr

Hörmann UK
GB-Leicestershire
LE67 4JW
info@hoermann.co.uk

Hörmann Ukraine
UA-08300 Boryspil,
Kyivska Obl.
info@hoermann.com.ua

Hörmann High Performance Doors
USA-Burgettstown,
PA 15021
info2@hoermann.us

Hörmann LLC
USA-Montgomery,
IL 60538
info1@hoermann.us

Hörmann Vietnam
VN-Hanoi
info.han@hoermann.vn

International sales partners

Albania
Algeria
Argentina
Armenia
Australia
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Aluminium sliding gate HS Alu, self-supporting

Standard sizes up to 9000 mm width, bottom beam height 200 mm

Design:

Completely pre-assembled sliding gate, single-leaf, aluminium bottom beam as a screw-fitted construction in a modular design. Gate guided via a concealed support guide roller system in the bottom beam with tandem support rollers with double ball-bearing. Single front posts (manually operated) or double front posts (power-driven) made of steel tubular profile, distance to ground approx. 100 mm.

Frame:

Aluminium extrusions, screwed.

Infill:

Lattice bars made of aluminium extrusions 30 x 30 mm, screwed to the frame spaced 116 mm apart. Profile bars 80 x 80 mm.

Surface protection:

Made of aluminium, primed and powder-coated in Color based on the RAL colour chart: Gentian blue (RAL 5010), Moss green (RAL 6005), Anthracite grey (RAL 7016), Stone grey (RAL 7030), Pebble grey (RAL 7032), Pure white (RAL 9010) or anodised EV1.

Colours of attached parts, bearing assemblies and base plates may vary.

Manually operated

With double guide posts made of steel tubular profile, rubber buffer on the rear stop, with fitted bolt lock and security chain.

Power-driven

With aluminium double guide post with integrated door control.

Operator fitted into the load-bearing bottom beam, concealed and weather-protected.

The aluminium sliding gate is only produced in size increments of 500 mm.

HS 200 Alu Bottom beam height 200 mm

Aluminium double guide post

		3000		4000		5000		6000		7000		8000		9000	
		EV 1	Color	EV 1	Color	EV 1	Color	EV 1	Color	EV 1	Color	EV 1	Color	EV 1	Color
Gate height from FFL Intermediate heights at no surcharge	2400*2	8102	8503	8962	9425	10315	10867	11121	11731	12501	13191				
	2200	7920	8306	8753	9203	10079	10610	10862	11452	12192	12855				
	2000	7736	8113	8547	8980	9843	10354	10603	11171	11886	12521	13159	13858	14256	15021
	1800	7552	7918	8338	8758	9604	10099	10347	10892	11575	12185	12807	13468	13872	14603
	1600	7368	7723	8131	8533	9368	9845	10088	10610	11268	11852	12458	13091	13488	14183
	1400	7185	7525	7922	8311	9132	9589	9829	10331	10960	11518	12108	12717	13102	13765
	1200	7001	7332	7714	8088	8894	9332	9570	10049	10651	11182	11756	12340	12719	13350
	1000	6817	7137	7507	7868	8658	9076	9312	9770	10342	10848	11407	11963	12335	12932
2400*2	12310	12712	13193	13659	14571	15123	15400	16010	16803	17490					
2200	12081	12467	12937	13389	14285	14816	15093	15683	16444	17107					
2000	11849	12226	12683	13118	13999	14512	14787	15354	16090	16725	17379	18081	18501	19266	
1800	11616	11981	12426	12846	13715	14210	14478	15025	15731	16340	16984	17642	18069	18798	
1600	11386	11740	12170	12574	13429	13906	14172	14696	15372	15958	16585	17220	17638	18333	
1400	11155	11498	11913	12303	13143	13602	13865	14365	15018	15575	16185	16796	17207	17867	
1200	10923	11255	11659	12033	12862	13300	13561	14035	14660	15191	15790	16369	16773	17402	
1000	10692	11012	11405	11761	12576	12994	13252	13709	14303	14807	15391	15945	16340	16934	
2400*2	14410	14812	15311	15774	16703	17254	17547	18160	18966	19658					
2200	14133	14521	15005	15456	16371	16900	17193	17781	18562	19225					
2000	13856	14233	14703	15139	16038	16551	16839	17404	18156	18791	19651	20351	20791	21556	
1800	13577	13942	14399	14819	15704	16199	16483	17027	17749	18362	19216	19874	20310	21038	
1600	13298	13652	14097	14501	15370	15847	16128	16651	17345	17929	18766	19402	19829	20523	
1400	13019	13361	13793	14181	15037	15495	15772	16274	16939	17497	18314	18925	19345	20008	
1200	12742	13071	13491	13863	14705	15143	15418	15895	16535	17066	17867	18448	18864	19493	
1000	12460	12780	13186	13545	14371	14791	15062	15518	16131	16632	17418	17972	18383	18977	
		3000		4000		5000		6000		7000		8000		9000	
		Clear passage width Intermediate widths in 500 mm grid possible at no surcharge!													

Note:

*² Transport for gates from a door height over 2200 mm (*²) on request.

Operator HSA

Low-maintenance worm gears with flanged motor, 0.18 kW, protection category IP 54, flexible coupling, release for manual operation, delivered completely fitted, operator and control pre-wired, connecting voltage 400 V. **Control** integrated in the guide post.

• Press-and-hold control

Press-and-hold function for opening and closing, with 2 key switches inside and outside in the guide post, prepared for profile cylinder, without closing edge safety device, inductive limit switch unit, main switch, protection category IP 54.

• Impulse control with SKS

Tip-control with key switch "Open / Emergency Stop / Close" inside and "Open / Stop / Close" outside in the guide post, prepared for profile half cylinder, 5 self-monitoring closing edge safety devices (1 at the door leaf front beam, 4 on the guide post, 1 at the end of the bottom beam), 2 photocells, inductive limit switch unit, error diagnosis system, main switch, 1-channel radio remote control with 1 hand transmitter, travel time limit, integral programmable automatic timer, protection category IP 54.

Delivered with standard foundation plan

Manually operated	Press-and-hold control	Impulse control	Art. no.	Optional extras	€
•	•	•		Intermediate height measurements	Surcharge for next higher door dimension No surcharge
•	•	•		½ m intermediate widths incl. special foundation plan related to the local conditions, e.g. buildings, footpaths, etc. (measurements/architecture plan on-site)	Surcharge for next higher door dimension No surcharge
► Adjustment to the location <u>not</u> possible!					
•	•	•	269171 *	Fence fixing, single-sided at the guide post or front post	Unit(s) 48
•	•	•	269171 *	U-profile fence fixing, supplied separately, colour: Silver grey (similar to zinc), or coated in door colour	Unit(s) 48
•	•	•	269170	Climb-over protection (spiked ledge), approx. 50 mm high, welded to top beam, only from 1.80 m height, colour Silver grey (similar to zinc)	Per m 24
•	•	•	269103	Protective rail made of aluminium profile on the top beam, on both sides, recommended with powder coating	Per m 61
•	•	•	269080	Surface in RAL to choose or DB colours	Up to LD 9,000 mm 659
•	•	•	269085	► For each additional door in the same special colour we charge	Up to LD 12,000 mm 870
•	•	•	269086	30% of the colour surcharge per gate	Up to LD 13,000 mm 949
•	•	•	269079	Reflective warning stripes red / white on both sides of the bottom beam	Per m 22
•	•	•	269653	Drill stencil (fitting device)	Unit(s) 43
•	•	•	269487	Side pedestrian door, 1 m wide	See page 11
•	•	•	269648	Flashing warning light, orange, 230 V, fitted	Unit(s) 192
•	•	•	269231	Protective cage for flashing warning light	Unit(s) 166
•	•	•	269633	LED rotating warning light, orange, 230 V	Unit(s) 477
•	•	•	269650	Key switch prepared for second profile cylinder (e.g. fire brigade)	Surcharge each 309
•	•	•	269646	Additional closing edge safety device – required for guide posts if there is no protection fence (pre-assembled) – included separately for each additional crushing or shearing hazard	Up to 2 m door height Unit(s) 364 Up to 2.5 m door height Unit(s) 426
•	•	•	4511720	HS 1 BS, 1-button hand transmitter, black (textured surface), impulse, 868 MHz, incl. battery	Unit(s) 73
•	•	•	4511724	HS 4 BS, 4-button hand transmitter, black (textured surface), impulse, 868 MHz, incl. battery	Unit(s) 73
•	•	•	436726	HER 4 BS, 4-channel relay receiver, with 4 volt-free relay outputs, 868 MHz frequency, IP 65, operating voltage: 24 V DC / 230–240 V AC	Unit(s) 226
•	•	•	269232	Weekly timer, 1-channel	Unit(s) 332
•	•	•	269490	Induction loop detector, 1-channel	Unit(s) 182
•	•	•	269629	Induction loop (for laying under pavement), separate	Up to 8 m perimeter Unit(s) 237
•	•	•	269645	only in conjunction with a multi-function microprocessor control	Up to 14 m perimeter Unit(s) 291
•	•	•	269494	Induction loop (for laying in asphalt)	Unit(s) 82

* Attention, article number has been used multiple times. Please enter the correct article designation in the order form.

Additional special equipment possible on request!

Aluminium sliding gate HS Alu, self-supporting

Standard sizes up to 13000 mm width, bottom beam height 240 or 340 mm

Design:

Completely pre-assembled sliding gate, single-leaf, aluminium bottom beam as a screw-fitted construction in a modular design. Gate guided via a concealed support guide roller system in the bottom beam with tandem support rollers with double ball-bearing. Single front post (manually operated) or double front posts (power-driven) made of steel tubular profile, distance to ground approx. 100 mm.

Frame:

Aluminium extrusions, screwed.

Infill:

Lattice bars made of aluminium extrusions 30 x 30 mm, screwed to the frame spaced 116 mm apart. Profile bars up to 7000 mm door width made in 80 x 80 mm, from 8000 mm door width in 120 x 80 mm.

Surface protection:

Made of aluminium, primed and powder-coated in Color based on the RAL colour chart: Gentian blue (RAL 5010), Moss green (RAL 6005), Anthracite grey (RAL 7016), Stone grey (RAL 7030), Pebble grey (RAL 7032), Pure

white (RAL 9010) or anodised EV1.

Colours of attached parts, bearing assemblies and base plates may vary. For doors with 340 mm or 440 mm bottom beam it is offset with red / white plastic profiles.

Manually operated with double guide posts made of steel tubular profile, rubber buffer on the rear stop, with fitted bolt lock and security chain.

Power-driven

With aluminium double guide post with integrated door control, with reinforced aluminium double guide post with integrated door control, or with steel double guide post, depending on the version (see table).

Operator fitted into the load-bearing bottom beam, concealed and weather-protected.

The aluminium sliding gate is only produced in size increments of 500 mm.

Gate height from FFL Intermediate heights at no surcharge		8000		9000 *		10000 *		11000 *		12000 *		13000 *		
		EV 1	Color	EV 1	Color	EV 1	Color	EV 1	Color	EV 1	Color	EV 1	Color	
	2400*2	14880	15631	16137	16955	20255	21225	23093	24214	29789	31240			
	2200	14517	15243	15743	16530	19822	20752	22593	23678	29226	30627			
	2000					16691	17518	18923	19876	25538	26729	30141	31392	
	1800	Manually operated					16265	17057	18432	19343	24979	26121	29544	30768
	1600						15840	16594	17940	18809	24423	25517	28947	30123
	1400						15413	16133	17452	18274	23865	24911	28352	29490
	1200						14989	15668	16961	17742	23308	24307	24568	25455
	1000						14564	15207	16471	17209	21121	22006	24144	24980
2400*2	19969	20723	21259	22071	25401	26368	28598	29717	35201	36656				
2200	19567	20296	20820	21608	24927	25858	28055	29138	34604	36009				
2000					21463	22289	24026	24981	30827	32018	35562	36813		
1800	With 400 V operator Press-and-hold control					20970	21760	23465	24375	30232	31376	34931	36154	
1600						20480	21234	22904	23771	29639	30734	34300	35476	
1400						19987	20705	22344	23165	29047	30093	33669	34808	
1200						19497	20176	21781	22562	28455	29453	29131	30105	
1000						19004	19647	21220	21955	25654	26524	28722	29641	
2400*2	22573	23324	23876	24693	28041	29008	31426	32547	38052	39503				
2200	22092	22820	23361	24148	27497	28425	30808	31889	37378	38783				
2000					23760	24584	26486	27442	33501	34692	38259	39505		
1800	With 400 V operator Impulse control with 6 SKS					23218	24010	25874	26784	32842	33986	37559	38783	
1600						22677	23431	25258	26125	32184	33281	36860	38036	
1400						22135	22852	24645	25469	31526	32572	36161	37301	
1200						21595	22276	24030	24811	30868	31866	31343	32315	
1000						21054	21697	23417	24153	27782	28653	30873	31797	
		8000		9000 *		10000 *		11000 *		12000 *		13000 *		
Clear passage width Intermediate widths in 500 mm grid possible at no surcharge!														

* Transport and fitting costs for doors from a width of 9000 mm (*) on request.

Note:

*2 Transport for gates from a gate height over 2200 mm (*2) on request.

Aluminium sliding gates are not suitable for use in cold regions with an average annual temperature of –3 °C or below!

Operator HSA

Low-maintenance worm gear with flanged motor, depending on door size 0.18 – 0.37 kW, protection category IP 54, flexible coupling, release for manual operation, delivered completely fitted, operator and control pre-wired, connecting voltage 400 V.

Control

Integrated in the guide post.

• Press-and-hold control

Press-and-hold function for opening and closing, with 2 key switches inside and outside in the guide post, prepared for profile cylinder, without closing edge safety device, inductive limit switch unit, main switch, protection category IP 54.

• Impulse control with SKS

Tip-control with key switch “Open / Emergency Stop / Close” inside and “Open / Stop / Close” outside in the guide post, prepared for profile half cylinder, 5 self-monitoring closing edge safety devices (1 at the door leaf front beam, 4 on the guide post, 1 at the end of the bottom beam), 2 photocells, inductive limit switch unit, error diagnosis system, main switch, 1-channel radio remote control with 1 hand transmitter, travel time limit, integral programmable automatic timer, protection category IP 54.

Delivered with standard foundation plan

	8000		9000 *		10000 *		11000 *		12000 *		13000 *	
	EV 1	Color	EV 1	Color	EV 1	Color	EV 1	Color	EV 1	Color	EV 1	Color
2400	Bottom beam height 240 mm Top beam 176 × 100 mm Steel guide post Standard operator 200				Bottom beam height 340 mm Top beam 176 × 100 mm Steel guide post Standard operator 200				Top beam 176 × 100 mm Steel double guide post Tandem operator 200			
2200												
2000												
1800	Bottom beam height 220 mm Top beam 100 × 100 mm Aluminium double guide post Standard operator 160				Bottom beam height 240 mm Top beam 176 × 100 mm Reinforced aluminium double guide post Standard operator 200				Bottom beam height 340 mm Top beam 176 × 100 mm Steel double guide post Tandem operator 200			
1600												
1400												
1200												
1000												

Optional extras

See page 3

Steel sliding gate HSS Self-supporting

Standard sizes, bottom beam height 160 or 200 mm

Design:

Completely pre-assembled sliding gate, single-leaf, special double-trapezoid bottom beam made of steel, gate guided via a concealed support guide roller system in the bottom beam with tandem support rollers with double ball-bearing. Double front post made of steel tubular profile, distance to ground approx. 100 mm.

Frame:

Steel tubular profiles, welded.

Infill:

Lattice bars made of steel tubular profiles 25 × 25 mm, welded to the frame spaced 120 mm apart.

Surface protection:

Made of galvanized material, primed and powder-coated in Color based on the RAL colour chart: Gentian blue (RAL 5010), Moss green (RAL 6005), Anthracite grey (RAL 7016), Stone grey (RAL 7030), Pebble grey (RAL 7032) or Pure white (RAL 9010).

Delivered with standard foundation plan

Gate height from FFL Intermediate heights at no surcharge			HSS 160 Bottom beam height 160 mm					HSS 200 Bottom beam height 200 mm	
	Manually operated	2000	9121	9552	9949	10315	10785	11902	12751
		1800	8944	9350	9720	10061	10503	11595	12410
		1600	8769	9148	9493	9809	10226	11289	12072
	With 400 V operator Press-and-hold control	2000	14065	14555	15245	16004	16723	18201	19036
		1800	13818	14281	14934	15654	16340	17788	18587
		1600	13570	14006	14621	15309	15954	17375	18142
	With 400 V operator Impulse control with 6 SKS	2000	18264	18784	19381	20307	20786	22330	23556
		1800	17978	18469	19034	19917	20362	21881	23061
1600		17692	18151	18687	19527	19942	21429	22566	
		3000	4000	5000	6000	7000	8000	9000	
		Clear passage width, Intermediate widths only in 500 mm grid possible at no surcharge!							

Manually operated with double guide posts made of steel tubular profile, rubber buffer on the rear stop, with fitted bolt lock and security chain.

Power-driven with aluminium double guide post with integrated gate control. **Operator fitted into the load-bearing bottom beam, concealed and weather-protected.**

Operator HSA

Low-maintenance worm gear with flanged motor, 0.18 kW, protection category IP 54, flexible coupling, release for manual operation, delivered completely fitted, operator and control pre-wired, connecting voltage 400 V.

Control integrated in the guide post.

• Press-and-hold control

Press-and-hold function for opening and closing, with 2 key switches inside and outside in the guide post, prepared for profile cylinder, without closing edge safety device, inductive limit switch unit, main switch, protection category IP 54.

• Impulse control with SKS

Tip-control with key switch "Open/Emergency Stop/Close" inside and "Open/Stop/Close" outside in the guide post, prepared for profile half cylinder, 5 self-monitoring closing edge safety devices (1 at the gate leaf front beam, 4 on the guide post, 1 at the end of the bottom beam), 2 photocells, inductive limit switch unit, error diagnosis system, main switch, 1-channel radio remote control with 1 hand transmitter, travel time limit, integral programmable automatic timer, protection category IP 54.

Manually operated	Press-and-hold control	Impulse control	Art. no.	Optional extras	€
•	•	•		Intermediate height measurements	No surcharge
•	•	•		½ m intermediate widths incl. special foundation plan related to the local conditions, e.g. buildings, footpaths, etc. (measurements/architecture plan on-site)	No surcharge
► Adjustment to the location <u>not</u> possible!					
•	•	•	269171 *	Fence fixing, single-sided at the guide post or front post	Unit(s) 48
•	•	•	269035	U-profile fence fixing, included separately	Unit(s) 48
•	•	•	269170	Climb-over protection (spiked ledge) approx. 50 mm high, welded to top beam, only from 1.80 m height	Per m 24
•	•	•	269103	Protective rail made of aluminium profile on the top beam, on both sides	Per m 61
•	•	•	269175	Surface in RAL to choose or DB colours	First door 659 Each additional door 197
•	•	•	269432	Door leaf infill with double lath mesh, mesh 50 × 200 mm, wire diameter 8/6/8 mm	Per m² 95
			269079	Reflective warning stripes red/white on both sides of the bottom beam	Unit(s) 22
•	•	•	269102	Drill stencil (fitting device)	Unit(s) 43
•	•	•	269487	Side pedestrian door, 1 m wide	See page 11
	•	•	269648	Flashing warning light, orange, 230 V, fitted	Unit(s) 192
	•	•	269231	Protective cage for flashing warning light	Unit(s) 166
		•	269646	Additional closing edge safety device – required for guide posts if there is no protection fence (pre-assembled) – included separately for each additional crushing or shearing hazard	Unit(s) 364
		•	4511720	HS 1 BS, 1-button hand transmitter, black (textured surface), impulse, 868 MHz, incl. battery	Unit(s) 73
		•	4511724	HS 4 BS, 4-button hand transmitter, black (textured surface), impulse, 868 MHz, incl. battery	Unit(s) 73
		•	4511732	HSE 4 BS, 2-button micro hand transmitter, black (high-gloss), impulse, 868 MHz, incl. key ring and battery, with chrome-plated zinc die-cast caps	Unit(s) 73
		•	436726	HER 4 BS, 4-channel relay receiver, with 4 volt-free relay outputs, 868 MHz frequency, IP 65, operating voltage: 24 V DC / 230–240 V AC	Unit(s) 226
		•	269232	Weekly timer, 1-channel	Unit(s) 332
		•	269620	Key switch Open / Stop / Close fitted into the front post, on-site wiring	Unit(s) 292
		•	269621	Key switch Open / Emergency Stop / Close fitted into the front post, on-site wiring	Unit(s) 347
		•	269650	Key switch prepared for second profile cylinder (e.g. fire brigade)	Surcharge each 309

* Attention, article number has been used multiple times. Please enter the correct article designation in the order form.

Additional special equipment only available for version HS 160 – 400! See from page 8

Note:

Please note that no further optional extras are available for sliding gate HSB!

Steel sliding gate HS

Self-supporting

Manually operated

Bottom beam height 160, 200 or 280 mm

Design:

Completely pre-assembled sliding gate single-leaf (double-leaf available on request). Special double trapezoid bottom beam made of steel (constructively reinforced for 380 mm). Gate guided via a concealed support guide roller system in the bottom beam with tandem support rollers with double ball-bearing. Double guide post / column and double front post made of steel tubular profile, stop plate. Inclusive distance to ground approx. 100 mm.

Frame:

Steel tubular profiles, welded.

Infill:

Lattice bars made of steel tubular profiles 25 x 25 mm, welded to the frame spaced 120 mm apart.

Surface protection:

Made of galvanized material, primed and powder-coated in Color based on the RAL colour chart: Gentian blue (RAL 5010), Moss green (RAL 6005), Anthracite grey (RAL 7016), Stone grey (RAL 7030), Pebble grey (RAL 7032) or Pure white (RAL 9010).

Manually operated with double guide post made of steel tubular profile, rubber buffer on the rear stop, with fitted bolt lock and security chain.

Type HS 160 = bottom beam height 160 mm

Type HS 200 = bottom beam height 200 mm

Type HS 280 = bottom beam height 280 mm

		Clear passage width													
		3000	4000	5000	6000	7000	8000	9000*	10000*	11000*	12000*	13000*	14000*	15000*	16000*
Gate height from FFL	HS 160	2400*2	10630	11230	12065	13105									
		2200	10477	11019	11815	12812	14029								
		2000	10395	10805	11566	12517	13702								
		1800	10251	10594	11314	12226	13368								
		1600	10114	10378	11064	11933	13039								
		1200	9970	10201	10880	11573	12626								
	HS 200	2400*2	10824	11548	12599	13833	14921	16156	17997	19572					
		2200	10747	11334	12347	13538	14587	15781	17581	19107					
		2000	10662	11123	12095	13246	14256	15407	17168	18641					
		1800	10522	10910	11843	12950	13922	15032	16750	18171					
		1600	10381	10696	11595	12660	13591	14655	16337	17706					
		1200	10240	10528	11425	12310	13182	13902	15506	17195					
	HS 280	2400*2				15543	16841	17917	19486	20902	23663	25467			
		2200				15257	16512	17552	19075	20446	23147	24904			
		2000				14966	16183	17191	18664	19985	22623	24346			
		1800				14680	15856	16828	18251	19531	22105	23785			
		1600				14387	15527	16462	17838	19070	21788	23224			
		1200				14088	15168	15738	17011	18605	20737	22523			
		3000	4000	5000	6000	7000	8000	9000*	10000*	11000*	12000*	13000*	14000*	15000*	16000*
		Clear passage width													

Important note:

The prices highlighted in blue are prices ex factory.
Transportation and fitting prices from a width of 9000 mm (*) on request.

Note:

2 Transport for gates from a gate height over 2200 mm () on request.

Optional extras

See from page 12

Surcharge for intermediate heights and intermediate widths

See page 12

Steel sliding gate HS

Self-supporting

Power-driven – operator with press-and-hold control

Bottom beam height 160, 200, 280 or 400 mm

Design:

Completely pre-assembled sliding gate single-leaf (double-leaf available on request). Special double trapezoid bottom beam made of steel (constructively reinforced for 380 mm). Gate guided via a concealed support guide roller system in the bottom beam with tandem support rollers with double ball-bearing. Double guide post / column and double front post made of steel tubular profile, stop plate. Inclusive distance to ground approx. 100 mm.

Frame:

Steel tubular profiles, welded.

Infill:

Lattice bars made of steel tubular profiles 25 x 25 mm, welded to the frame spaced 120 mm apart.

Surface protection:

Made of galvanized material, primed and powder-coated in Color based on the RAL colour chart: Gentian blue (RAL 5010), Moss green (RAL 6005), Anthracite grey (RAL 7016), Stone grey (RAL 7030), Pebble grey (RAL 7032) or Pure white (RAL 9010).

Operator HSA

Low-maintenance worm gears with flanged motor, 0.18–0.75 kW, protection category IP 54, flexible coupling, release for manual operation, delivered completely fitted, operator and control pre-wired, connecting voltage 400 V.

Control integrated in the guide post.

• Press-and-hold control

Press-and-hold function for opening and closing, with 2 key switches inside and outside in the guide post, prepared for profile cylinder, without closing edge safety device, inductive limit switch unit, main switch, protection category IP 54.

Type HS 160 = bottom beam height 160 mm

Type HS 200 = bottom beam height 200 mm

Type HS 280 = bottom beam height 280 mm

Type HS 400 = bottom beam height 400 mm

		Clear passage width													
		3000	4000	5000	6000	7000	8000	9000*	10000*	11000*	12000*	13000*	14000*	15000*	16000*
Gate height from FFL	HS 160	2400*2	16005	16673	17488	18444									
		2200	15876	16439	17218	18137	19145								
		2000	15757	16206	16948	17826	18839								
		1800	15619	15974	16680	17520	18530								
		1600	15485	15743	16412	17209	18221								
		1200	15375	15506	16106	16841	17602								
	HS 200	2400*2	16600	17234	18224	19331	20416	21499	23608	25333					
		2200	16490	17005	17953	19020	20071	21116	23186	24852					
		2000	16385	16771	17686	18716	19724	20727	22766	24371					
		1800	16239	16539	17415	18405	19379	20342	22346	23890					
		1600	16103	16310	17150	18099	19029	19956	21781	23411					
		1200	15986	16085	16862	17747	18335	19665	21079	23009					
	HS 280	2400*2				21797	22898	23998	25692	27295	30686	32411			
		2200				21490	22555	23619	25267	26822	30148	31839			
		2000				21186	22214	23245	24845	26350	29610	31265			
		1800				20880	21874	22868	24416	25876	29072	30688			
		1600				20573	21533	22493	23989	25406	28529	30112			
		1200				20260	20852	22282	23143	25072	27453	28961			
	HS 400	2400*2									38906	41482	45150	46592	50662
		2200									38204	40756	44406	45825	49845
		2000									37503	40032	43661	45266	49025
		1800									36801	39303	42912	44907	48208
		1600									36104	38579	42163	44127	47393
		1200									35632	38116	41648	43557	46839
		3000	4000	5000	6000	7000	8000	9000*	10000*	11000*	12000*	13000*	14000*	15000*	16000*
		Clear passage width													

Important note:

The prices highlighted in blue are prices ex factory.
Transportation and fitting prices from a width of 9000 mm (*) on request.

Note:

*² Transport for gates from a gate height over 2200 mm (*2) on request.

Optional extras	See from page 12
Surcharge for intermediate heights and intermediate widths	See page 12

Steel sliding gate HS

Self-supporting

Power-driven – operator with impulse control

Bottom beam height 160, 200, 280 or 400 mm

Design:

Completely pre-assembled sliding gate single-leaf (double-leaf available on request). Special double trapezoid bottom beam made of steel (constructively reinforced for 380 mm). Gate guided via a concealed support guide roller system in the bottom beam with tandem support rollers with double ball-bearing. Double guide post / column and double front post made of steel tubular profile, stop plate. Inclusive distance to ground approx. 100 mm.

Frame:

Steel tubular profiles, welded.

Infill:

Lattice bars made of steel tubular profiles 25 × 25 mm, welded to the frame spaced 120 mm apart.

Surface protection:

Made of galvanized material, primed and powder-coated in Color based on the RAL colour chart: Gentian blue (RAL 5010), Moss green (RAL 6005), Anthracite grey (RAL 7016), Stone grey (RAL 7030), Pebble grey (RAL 7032) or Pure white (RAL 9010).

Operator HSA

Low-maintenance worm gears with flanged motor, 0.18–0.75 kW, protection category IP 54, flexible coupling, release for manual operation, delivered completely fitted, operator and control pre-wired, connecting voltage 400 V.

Control integrated in the guide post.

• Impulse control with SKS

Impulse control with key switch “Open / Emergency Stop / Close” inside and “Open / Stop / Close” outside in the guide post, prepared for profile half cylinder, 6 self-monitoring closing edge safety devices (1 at the door leaf front beam, 4 on the guide post, 1 at the end of the bottom beam), 2 photocells, inductive limit switch unit, error diagnosis system, main switch, impulse for Open / Stop / Close, 1-channel radio remote control with 1 hand transmitter, travel time limit, integral programmable automatic timer, protection category IP 54.

Type HS 160 = bottom beam height 160 mm

Type HS 200 = bottom beam height 200 mm

Type HS 280 = bottom beam height 280 mm

Type HS 400 = bottom beam height 400 mm

		Clear passage width														
		3000	4000	5000	6000	7000	8000	9000*	10000*	11000*	12000*	13000*	14000*	15000*	16000*	
Gate height from FFL	HS 160	2400*2	19824	21125	21962	22804										
		2200	19693	20820	21622	22428	23744									
		2000	19575	20523	21286	22051	23358									
		1800	19437	20221	20948	21674	22979									
		1600	19299	19917	20609	21297	22596									
		1200	19189	19561	19933	20548	21835									
	HS 200	2400*2	20440	21740	22716	23722	25043	26069	28375	29880						
		2200	20335	21436	22378	23342	24620	25612	27876	29328						
		2000	20225	21136	22039	22963	24203	25154	27381	28779						
		1800	20082	20841	21701	22584	23783	24698	26886	28225						
		1600	19946	20537	21363	22207	23361	24239	26387	27671						
		1200	19828	20189	20684	21449	22521	23322	25390	26872						
	HS 280	2400*2	22785	23992	25093	26248	27733	28886	30495	33085	34783	36808				
		2200	22545	23703	24759	25874	27317	28434	29996	32520	34184	36163				
		2000	22311	23415	24425	25501	26904	27982	29499	31959	33580	35521				
		1800	22107	23122	24092	25124	26484	27528	28997	31394	32983	34881				
		1600	21900	22832	23760	24748	26069	27074	28500	30831	32384	34241				
		1200	21653	22541	23095	23998	25233	26169	27497	30125	32209	33417				
	HS 400	2400*2										44365	46973	50172	52233	54825
		2200										43666	46244	49432	51463	54026
		2000										42962	45520	48921	50694	53481
		1800										42265	44794	48399	49924	52925
		1600										41568	44072	47654	49152	52122
		1200										41094	43611	47146	48592	51579
		3000	4000	5000	6000	7000	8000	9000*	10000*	11000*	12000*	13000*	14000*	15000*	16000*	
		Clear passage width														

Important note:

The prices highlighted in blue are prices ex factory. Transport and fitting prices from a width of 9000 mm (*) on request.

Note:

² Transport for gates from a gate height over 2200 mm () on request.

Optional extras

See from page 12

Surcharge for intermediate heights and intermediate widths

See page 12

Side door

25 mm square tube or double lath mesh infill version

Side door			
Side door 1000 mm wide (other dimensions on request)	Height 800 mm	Per door	973
	Height 1000 mm	Per door	1051
	Height 1200 mm	Per door	1132
	Height 1400 mm	Per door	1230
	Height 1600 mm	Per door	1323
	Height 1800 mm	Per door	1401
	Height 2000 mm	Per door	1494
	Height 2200 mm	Per door	1570
	Height 2400 mm	Per door	1646
Optional extras		Art. no.	€
Mortice lock prepared for 2nd profile cylinder (fire brigade) Set consisting of: 1 tandem lock prepared for 2 × PC, 1 light alloy lever handle interior escutcheon 2 × PC, and 1 light alloy exterior escutcheon 2 × PC		269076	389
Electric strike for side door 6-12 V AC in 40 mm housing		269636	264
Surface-mounted door closer TS-A		269070	700
Fitted tubular door closer TS-ER		269074	1217
Climb-over protection (spiked ledge) approx. 50 mm high, welded to top beam, from 1.80 m height		Per m 269438	27
Special colour (colour same as sliding gate system)		Each 269437	73
Protection to exclude the possibility of reaching through, made of aluminium sheet, powder-coated in the gate colour, fitted on leaf infill and in the front post		Each 269484	408
Round bar fence fixing		Each 269436	55
1/2 handle set long escutcheon	Light alloy door knob, turnable, 1 × PC	Each 269435	37
	Light alloy door knob, fixed, 1 × PC	Each 269434	37

Optional extras for steel sliding gate HS

Manually operated	Press-and-hold control	Impulse control	Optional extras				€
•	•	•	269105	Intermediate height measurements	Next higher gate/door size, plus additional		309
•	•	•	269084	Intermediate widths ► incl. foundation plan	Next width, plus additional		592
•	•	•	269083	Intermediate heights and widths ► incl. foundation plan	Next height / width, plus additional		688
•	•	•	269082	Special foundation plan With reference to the location, i.e. the buildings, kerbs, footpaths, for on-site measurement (architectural plan)	Unit(s)		769
•	•	•	269432	Gate leaf infill with double lath mesh, mesh 50 × 200 mm, wire diameter 8/6/8 mm, instead of lath mesh	Per m²		95
•	•	•	269431	Gate leaf infill with 2 mm aluminium sheet, instead of lath mesh	Per m²		205
•	•	•	269641 *	Special door leaf infills			on request
•	•	•	269171 *	Fence fixing, single-sided at the guide post or front post	Unit(s)		48
•	•	•	269035	U-profile fence fixing, included separately	Unit(s)		48
•	•	•	269170	Climb-over protection (spiked ledge) approx. 50 mm high, welded to top beam, from 1.80 m height	Per m		24
•	•	•	269482	Climb-over protection (spiked ledge) approx. 40 mm high, welded to top beam, only from 1.80 m height	Per m		23
•	•	•	269080		LD width up to 9000 mm	Unit(s)	659
•	•	•	269085	Surface in RAL to choose or DB colours, for each additional door in the same special colour we charge 30% of the colour	LD width up to 12000 mm	Unit(s)	870
•	•	•	269086		LD width up to 13500 mm	Unit(s)	949
•	•	•	269087		LD width from 14000 mm	Unit(s)	1115
•	•	•	269079	Reflective warning strips red / white on both sides of the bottom beam	Per m		22
•	•	•	269653	Drill stencil (fitting device)	Unit(s)		43
•	•	•	269078	Front post and / or jamb extended for on-site concrete fitting			No surcharge
•	•	•	269487	Side pedestrian door, 1 m wide			See page 11
	•	•	269173	Ground adjustment	Maximum slope 2% U-200 to 6000 mm ID	Unit(s)	3533
	•	•	269174	Sliding gate up to 2000 mm height, only for gates with electric operators, including brake as safety catch for emergency operation, including special foundation plan	Maximum slope 3% U-280 to 10000 mm ID	Unit(s)	3911
					Other sizes		on request
		•	269077	Key safe F3100 (125 × 80 × 75) fitted in the guide post	Unit(s)		1167

* Attention, article number has been used multiple times. Please enter the correct article designation in the order form.

Complementary operator and control accessories for steel sliding gate HS

Press-and-hold control	Impulse control				
		Optional extras	Article no.		€
•	•	Flashing warning light, fitted	269648	Unit(s)	192
•	•	LED rotating warning light, orange, 230 V	269633	Unit(s)	477
•	•	Protective cage for flashing warning light fitted	269231	Unit(s)	166
•	•	Protective cage for rotating warning light fitted	269649	Unit(s)	225
	•	Soft start device, recommended with high number of door cycles	269638	Unit(s)	544
	•	High-speed system (only in conjunction with a multi-function micro-processor control)	269540	Unit(s)	2085
	•	GSM mobile radio control (only in conjunction with a multi-function micro-processor control)	269539	Unit(s)	1471
	•	Multi-function micro-processor control for induction loops, photocells, etc. surcharge	269644	Unit(s)	446
	•	Induction loop detector, 2-channel (2 loops can be connected) only in conjunction with a multi-function microprocessor control	269630	Unit(s)	192
	•	Induction loop detector, 1-channel	269490	Unit(s)	182
	•	Induction loop (for laying under pavement), separate	Up to 8 m perimeter 269629	Unit(s)	237
	•	only in conjunction with a multi-function microprocessor control	Up to 14 m perimeter 269645	Unit(s)	291
	•	Induction loop (for laying in asphalt)	269494	Unit(s)	82
	•	Additional closing edge safety device	Up to 2000 mm door height 269646	Unit(s)	364
	•	– required for guide posts if there is no protection fence (pre-assembled)	Up to 2500 mm door height 269647	Unit(s)	426
	•	– included separately for each additional crushing or shearing hazard			
	•	Additional one-way photocell, multi-function micro-processor control potentially required	269631	Unit(s)	678
	•	Weekly timer 1-channel (switches automatic operation on / off)	269635	Unit(s)	420
	•	Yearly timer (as above, but takes holidays into account)	269068	Unit(s)	1002
		Receiver			
	•	HER 1 BS 1-channel relay receiver, with volt-free relay output, 868 MHz frequency, IP 65, operating voltage: 24 V DC / 230-240 V AC, without connecting lead	436724	Unit(s)	141
	•	HER 2 BS 2-channel relay receiver, with 2 volt-free relay outputs, frequency 868 MHz, IP 65, operating voltage 24 V DC / 230-240 V AC, separate antenna for exterior use (IP 65), in a tamper-proof aluminium housing, with 7 m connecting lead, 3-wire, decoder unit for internal applications	436725	Unit(s)	204
	•	HER 4 BS 4-channel relay receiver, with 4 volt-free relay outputs, 868 MHz frequency, IP 65, operating voltage: 24 V DC / 230 – 240 V AC	436726	Unit(s)	226
		Hand transmitter			
	•	HS 1 BS 1-button hand transmitter, black (textured surface), impulse, 868 MHz, incl. battery	4511720	Unit(s)	73
	•	HS 4 BS 4-button hand transmitter, black (textured surface), impulse, 868 MHz, incl. battery	4511724	Unit(s)	73
	•	HSS 4 BS 4-button security hand transmitter, red (high-gloss), impulse, 868 MHz, incl. battery, additional function copy protection for hand transmitter coding (cannot be taught in)	436756	Unit(s)	117
	•	HSE 4 BS 2-button micro hand transmitter, black (high-gloss), impulse, 868 MHz, incl. key ring and battery, with chrome-plated zinc diecast caps	4511732	Unit(s)	73
	•	Hand transmitter holder incl. visor clip for BiSecur hand transmitters HS 1 BS	436698	Unit(s)	8,50
		Key switch			
	•	Key switch Open / Stop / Close, fitted in the front post, on-site wiring	269620	Unit(s)	292
	•	Key switch Open / Emergency Stop / Close, fitted in the front post, on-site wiring	269621	Unit(s)	347
	•	Key switch prepared for second profile cylinder (fire brigade) fitted in the guide post, incl. wiring	Surcharge 269650	Unit(s)	309
		Push button			
	•	Push button Open / Stop / Close in surface-mounted plastic housing, separate	269623	Unit(s)	154
		Code switch			
	•	Digit code switch (indicate required functions)			on request
		Card reader			
	•	Card reader (indicate required functions)			on request
	•	Cards for card reader	269625		20
		Key switch posts			
	•	Key switch post with 1–2 inspection hole(s), height 1100 – 2000 mm, without command units (only for HS)			on request

Platform dock leveller type KBS

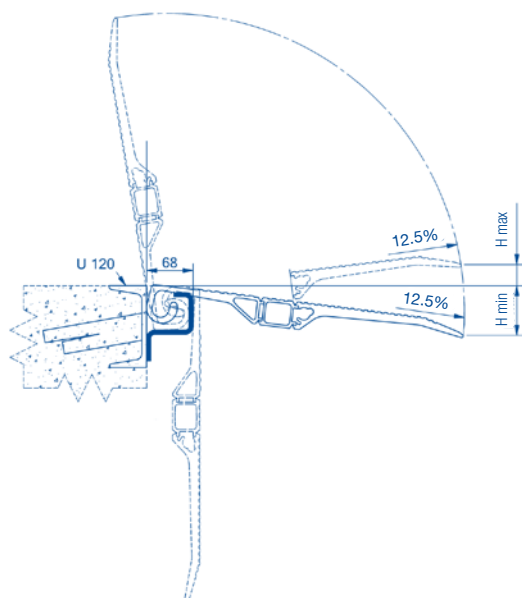
Made of aluminium

- Hinged
- Sideways shifting
- Carrying capacity up to 4000 daN

Features:

- Suitable for small to medium height differences
- Operable by a single person
- Made of corrosion-resistant aluminium
- Not detachable
- Welded / screwed at the front edge of the ramp
- Sideways shifting
- Integrated anti-fall safeguard

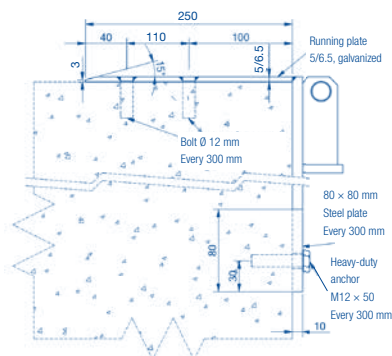
Type	Length (mm)	Width (mm)	Height difference H (mm)		Carrying capacity (daN/each)	Weight (kg/each)	€ each
			Min.	Max.			
KBS 00	410	1250	-70	+30	4000	19	568
KBS 12	535	1250	-90	+45	4000	24	676
KBS 13	785	1250	-120	+75	4000	31	814
KBS 02	910	1250	-135	+90	4000	36	1051
KBS 04	410	1500	-70	+30	4000	23	584
KBS 14	535	1500	-90	+45	4000	28	767
KBS 15	785	1500	-120	+75	4000	38	1089
KBS 06	910	1500	-135	+90	4000	44	1287
KBS 16	410	2000	-70	+30	4000	32	781
KBS 17	535	2000	-90	+45	4000	40	1030



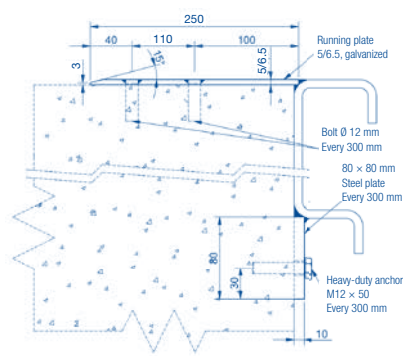
Guide rails	Art. no.	€ per m
Guide rail, galvanized, 8 kg/m, produced lengths 2000/2500/3000 mm	156517	94
Platform edge preparation		€ per m
Platform edge preparation, galvanized, required for ramps without steel edges, weight 10 kg/m, consisting of galvanized running plate 5/6.5 mm, bevelled and drilled, brackets 80 x 80 mm, 10 mm thick, 3 pieces each per m	156520	145

Note:

If both the guide rail and the platform edge preparation are required, a combination of both items will be delivered.



Platform edge preparation for all stationary dock levellers



Platform edge preparation for SKB and all sideways shifting platform dock levellers, with the exception of KBS

Platform dock leveller type SKB

Made of aluminium (* with spring compensation)

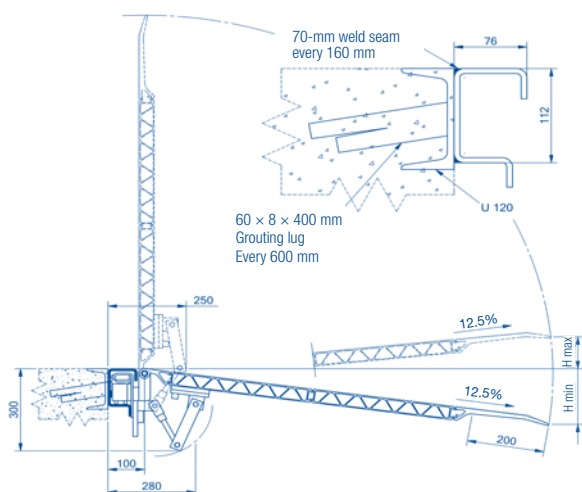
- Sideways shifting
- Carrying capacity up to 4000 daN

Features:

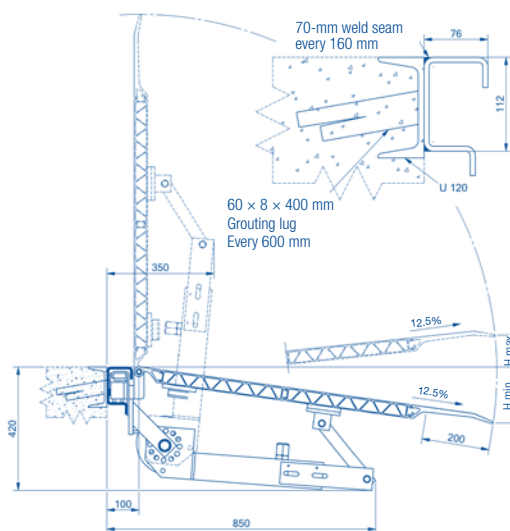
- Suitable for small to medium height differences
- Made of corrosion-resistant aluminium
- From a platform length of 1065 mm with maintenance-free and wear-resistant spring system
- Automatic anti-fall safeguard
- Guide system insusceptible to dirt
- Sideways shifting

Type	Length (mm)	Width (mm)	Height difference H (mm)		Carrying capacity (daN/each)	Weight (kg/each)	€ each
			Min.	Max.			
SKB 01	815	1250	-120	+80	4000	67	1483
SKB 02 *	1315	1250	-185	+140	2500	102	2334
SKB 03 *	1565	1250	-215	+175	1750	113	2620
SKB 10	565	1500	-90	+50	4000	67	1459
SKB 11	815	1500	-120	+80	4000	77	1722
SKB 12 *	1065	1500	-155	+110	4000	103	2524
SKB 13 *	1315	1500	-185	+140	4000	114	2794
SKB 14 *	1565	1500	-215	+175	4000	128	3081

* Version with spring compensation



SKB without spring compensation



SKB with spring compensation

Guide rails		Art. no.	€ per m
Guide rail, smooth, 12 kg/m, produced lengths 1000/2000/3000 mm		156535	86
Guide rail, galvanized, 12 kg/m, produced lengths 1000/2000/3000 mm		156521	121
Platform edge preparation			€ per m
Platform edge preparation, galvanized, required for ramps without steel edges, weight 10 kg/m, consisting of galvanized running plate 5/6.5 mm, bevelled and drilled, brackets 80 x 80 mm, 10 mm thick, 3 pieces each per m		156520	145
Surcharge segmented lips for loading bridge			
Bridge width:		1250 mm	156522 355
		1500 mm	156523 427

Please note that trip hazards between the dock leveller and loading surface must be avoided. It must be ensured that it is not possible for the vehicle to twist around its centre axis, i.e. the vehicle must be positioned parallel to the ramp. Alternatively, segmented lips, which independently adjust to the tilt of the vehicle loading platform, must be ordered for a surcharge.

Platform dock leveller type FBS

Counterbalanced loading bridge made of steel up to 5 tons

- Stationary (type FBSS) or sideways shifting (type FBSV)
- Painted in RAL 5010 (Gentian blue) or galvanized
- Carrying capacity up to 5000 kp

Features:

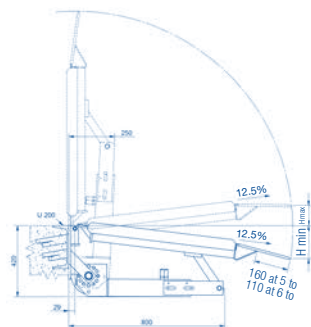
- Height differences bridgeable upwards and downwards
- Available in galvanized steel or painted
- Available stationary or sideways shifting
- Counterbalance via a maintenance-free and wear-resistant spring system
- Guide system insusceptible to dirt
- Fitting and dismantling from front possible

Stationary

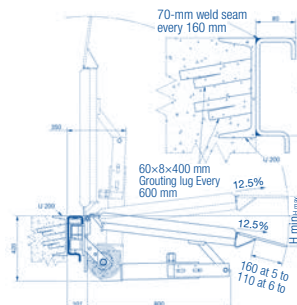
Type	Length (mm)	Width (mm)	Height difference H (mm)		Carrying capacity (daN/each)	Weight (kg/each)	€ each	
			Min.	Max.			Painted	Galvanized
FBSS 01	1250	1500	-160	+110	5000	230	2966	3514
FBSS 04	1500	1500	-190	+140	5000	270	3220	3586
FBSS 05	1500	1750	-190	+140	5000	300	3658	4336
FBSS 06	1500	2000	-190	+140	5000	330	4096	4587
FBSS 07	1750	1500	-220	+175	5000	290	3382	4025
FBSS 08	1750	1750	-220	+175	5000	320	3823	4336
FBSS 09	1750	2000	-220	+175	5000	350	4262	5052
FBSS 10	2000	1500	-250	+205	5000	320	3637	4330
FBSS 11	2000	1750	-250	+205	5000	360	4168	4961
FBSS 12	2000	2000	-250	+205	5000	400	4705	5596

Sideways shifting

Type	Length (mm)	Width (mm)	Height difference H (mm)		Carrying capacity (daN/each)	Weight (kg/each)	€ each	
			Min.	Max.			Painted	Galvanized
FBSV 01	1250	1500	-160	+110	5000	250	3409	3735
FBSV 04	1500	1500	-190	+140	5000	290	3861	4415
FBSV 05	1500	1750	-190	+140	5000	320	4279	5010
FBSV 06	1500	2000	-190	+140	5000	350	4792	5289
FBSV 07	1750	1500	-220	+175	5000	310	3927	4625
FBSV 08	1750	1750	-220	+175	5000	340	4422	4945
FBSV 09	1750	2000	-220	+175	5000	370	4918	5794
FBSV 10	2000	1500	-250	+205	5000	340	4246	4720
FBSV 11	2000	1750	-250	+205	5000	380	4874	5727
FBSV 12	2000	2000	-250	+205	5000	420	5501	6114



FBS stationary



FBS sideways shifting

Guide rails		Art. no.	€ per m
Guide rail, bright-rolled, 25 kg/m, produced lengths 1000/2000/3000 mm		156511	159
Guide rail, galvanized, 25 kg/m, produced lengths 1000/2000/3000 mm		156512	242
Platform edge preparation			€ per m
Platform edge preparation, galvanized, required for ramps without steel edges, weight 10 kg/m, consisting of galvanized running plate 5/6.5 mm, bevelled and drilled, brackets 80 x 80 mm, 10 mm thick, 3 pieces each per m		156520	145
Surcharge segmented lips for loading bridge			
► Only available galvanized! No coating possible!			
Bridge width:		1500 mm	156526 434
		1750 mm	156527 329
		2000 mm	156528 312

Please note that trip hazards between the dock leveller and loading surface must be avoided. It must be ensured that it is not possible for the vehicle to twist around its centre axis, i.e. the vehicle must be positioned parallel to the ramp. Alternatively, segmented lips, which independently adjust to the tilt of the vehicle loading platform, must be ordered for a surcharge.

Platform dock leveller type FBS

Counterbalanced loading bridge made of steel up to 6 tons

- Stationary (type FBSS) or sideways shifting (type FBSV)
- Painted in RAL 5010 (Gentian blue) or galvanized
- Carrying capacity up to 6000 daN

Features:

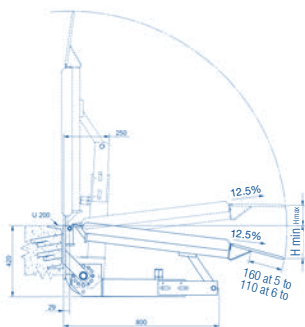
- Height differences bridgeable upwards and downwards
- Available in galvanized steel or painted
- Available stationary or sideways shifting
- Counterbalance via a maintenance-free and wear-resistant spring system
- Guide system insusceptible to dirt
- Fitting and dismantling from front possible

Stationary

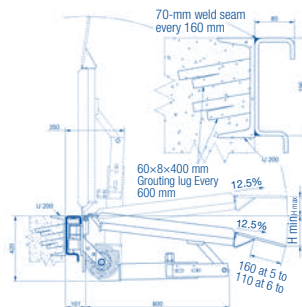
Type	Length (mm)	Width (mm)	Height difference H (mm)		Carrying capacity (daN/each)	Weight (kg/each)	€ each	
			Min.	Max.			Painted	Galvanized
FBSS 01	1250	1500	-160	+110	6000	245	3539	4196
FBSS 04	1500	1500	-190	+140	6000	285	3789	4513
FBSS 05	1500	1750	-190	+140	6000	315	4223	5064
FBSS 06	1500	2000	-190	+140	6000	345	4668	5526
FBSS 07	1750	1500	-220	+175	6000	305	3950	4732
FBSS 08	1750	1750	-220	+175	6000	335	4391	5286
FBSS 09	1750	2000	-220	+175	6000	365	4832	5806
FBSS 10	2000	1500	-250	+205	6000	335	4206	5064
FBSS 11	2000	1750	-250	+205	6000	375	4738	5726
FBSS 12	2000	2000	-250	+205	6000	415	5519	6390

Sideways shifting

Type	Length (mm)	Width (mm)	Height difference H (mm)		Carrying capacity (daN/each)	Weight (kg/each)	€ each	
			Min.	Max.			Painted	Galvanized
FBSV 01	1250	1500	-160	+110	6000	265	4073	4791
FBSV 04	1500	1500	-190	+140	6000	305	4527	5312
FBSV 05	1500	1750	-190	+140	6000	335	4949	5839
FBSV 06	1500	2000	-190	+140	6000	365	5460	6458
FBSV 07	1750	1500	-220	+175	6000	325	4593	5456
FBSV 08	1750	1750	-220	+175	6000	355	5090	6055
FBSV 09	1750	2000	-220	+175	6000	385	5587	6661
FBSV 10	2000	1500	-250	+205	6000	355	4912	5834
FBSV 11	2000	1750	-250	+205	6000	395	5543	6584
FBSV 12	2000	2000	-250	+205	6000	435	6171	7333



FBS stationary



FBS sideways shifting

Guide rails		€ per m
Guide rail, bright-rolled, 25 kg/m, produced lengths 1000/2000/3000 mm		159
Guide rail, galvanized, 25 kg/m, produced lengths 1000/2000/3000 mm		242
Platform edge preparation		€ per m
Platform edge preparation, galvanized, required for ramps without steel edges, weight 10 kg/m, consisting of galvanized running plate 5/6.5 mm, bevelled and drilled, brackets 80 x 80 mm, 10 mm thick, 3 pieces each per m		145
Surcharge segmented lips for loading bridge		
► Only available galvanized! No coating possible!		
Bridge width:		
1500 mm		434
1750 mm		329
2000 mm		312

Please note that trip hazards between the dock leveller and loading surface must be avoided. It must be ensured that it is not possible for the vehicle to twist around its centre axis, i.e. the vehicle must be positioned parallel to the ramp. Alternatively, segmented lips, which independently adjust to the tilt of the vehicle loading platform, must be ordered for a surcharge.

Platform dock leveller type FBA

Counterbalanced loading bridge made of aluminium up to 4.5 tons

- Stationary (type FBAS) or sideways shifting (type FBAV)
- Carrying capacity up to 4500 kp

Features:

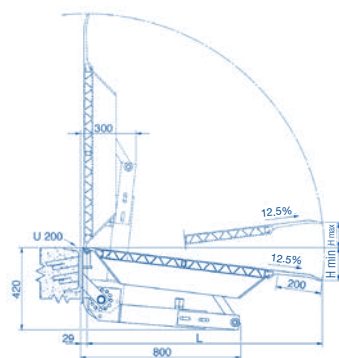
- Height differences bridgeable upwards and downwards
- Made of corrosion-resistant aluminium
- Available stationary or sideways shifting
- Counterbalance via a maintenance-free and wear-resistant spring system
- Guide system insusceptible to dirt
- Fitting and dismantling from front possible

Stationary

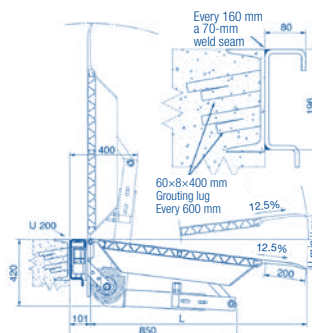
Type	Length (mm)	Width (mm)	Height difference H (mm)		Carrying capacity (daN/each)	Weight (kg/each)	€ each
			Min.	Max.			
FBAS 01	1315	1500	-185	+140	4500	140	3853
FBAS 04	1565	1500	-215	+175	4500	164	4218
FBAS 05	1565	1750	-215	+175	4500	188	4644
FBAS 06	1565	2000	-215	+175	4500	202	5078
FBAS 07	1815	1500	-250	+205	4500	177	4612
FBAS 08	1815	1750	-250	+205	4500	199	5076
FBAS 09	1815	2000	-250	+205	4500	218	5526
FBAS 10	2065	1500	-280	+235	4500	189	5090
FBAS 11	2065	1750	-280	+235	4500	214	5667
FBAS 12	2065	2000	-280	+235	4500	235	6244
FBAS 13	2315	1500	-310	+265	4500	201	5646
FBAS 14	2315	1750	-310	+265	4500	235	6315
FBAS 15	2315	2000	-310	+265	4500	258	6732

Sideways shifting

Type	Length (mm)	Width (mm)	Height difference H (mm)		Carrying capacity (daN/each)	Weight (kg/each)	€ each
			Min.	Max.			
FBAV 01	1315	1500	-185	+140	4000	158	4516
FBAV 04	1565	1500	-215	+175	4000	184	4765
FBAV 05	1565	1750	-215	+175	4000	210	5206
FBAV 06	1565	2000	-215	+175	4000	227	5590
FBAV 07	1815	1500	-250	+205	4000	207	5182
FBAV 08	1815	1750	-250	+205	4000	221	5590
FBAV 09	1815	2000	-250	+205	4000	243	6050
FBAV 10	2065	1500	-280	+235	4000	209	5656
FBAV 11	2065	1750	-280	+235	4000	236	6146
FBAV 12	2065	2000	-280	+235	4000	260	6686
FBAV 13	2315	1500	-310	+265	4000	221	6127
FBAV 14	2315	1750	-310	+265	4000	257	6715
FBAV 15	2315	2000	-310	+265	4000	283	7136



FBA stationary



FBA sideways shifting

Guide rails

	€ per m
Guide rail, bright-rolled, 25 kg/m, produced lengths 1000/2000/3000 mm	159
Guide rail, galvanized, 25 kg/m, produced lengths 1000/2000/3000 mm	242

Platform edge preparation

See right-hand page

Surcharge segmented lips for loading bridge

Bridge width:		Art. no.	
	1500 mm	156529	415
	1750 mm	156530	477
	2000 mm	156531	536

Please note that trip hazards between the dock leveller and loading surface must be avoided. It must be ensured that it is not possible for the vehicle to twist around its centre axis, i.e. the vehicle must be positioned parallel to the ramp. Alternatively, segmented lips, which independently adjust to the tilt of the vehicle loading platform, must be ordered for a surcharge.

Platform dock leveller type FBT

Aluminium counterbalanced loading bridge up to 4 tons

- Stationary (type FBTS) or sideways shifting (type FBTV)
- Carrying capacity up to 4000 daN

Features:

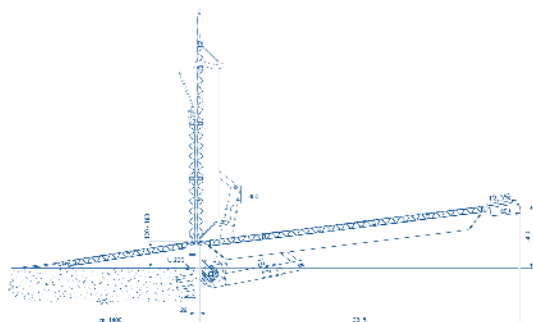
- Height differences bridgeable upwards and downwards
- Made of corrosion-resistant aluminium
- Available stationary or sideways shifting
- Counterbalance via a maintenance-free and wear-resistant spring system
- Guide system insusceptible to dirt
- Fitting and dismantling from front possible

Stationary

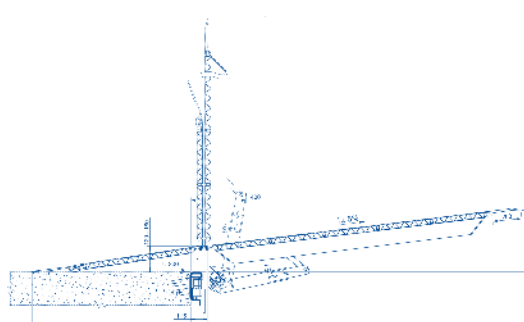
Type	Length (mm)	Width (mm)	Height difference H (mm)	Carrying capacity (daN/each)	Weight (kg/each)	€ each
FBTS	3700	1500	Choice of + 430 or + 460	4000	305	7422
FBTS	3700	1750	Choice of + 430 or + 460	4000	345	8116
FBTS	3700	2000	Choice of + 430 or + 460	4000	425	8870

Sideways shifting

Type	Length (mm)	Width (mm)	Height difference H (mm)	Carrying capacity (daN/each)	Weight (kg/each)	€ each
FBTV	3700	1500	Choice of + 430 or + 460	4000	336	8153
FBTV	3700	1750	Choice of + 430 or + 460	4000	382	8852
FBTV	3700	2000	Choice of + 430 or + 460	4000	465	9617



FBTS stationary

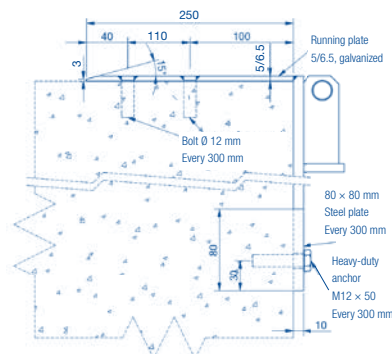


FBTV sideways shifting

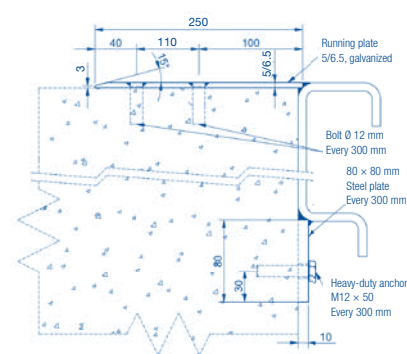
Guide rails	€ per m
Guide rail, bright-rolled, 25 kg/m, produced lengths 1000/2000/3000 mm	159
Guide rail, galvanized, 25 kg/m, produced lengths 1000/2000/3000 mm	242
Platform edge preparation	€ per m
Platform edge preparation, galvanized, required for ramps without steel edges, weight 10 kg/m, consisting of galvanized running plate 5/6.5 mm, bevelled and drilled, brackets 80 x 80 mm, 10 mm thick, 3 pieces each per m	145

Note:

If both the guide rail and the platform edge preparation are required, a combination of both items will be delivered.



Platform edge preparation for all stationary dock levellers



Platform edge preparation for SKB and all sideways shifting platform dock levellers, with the exception of KBS

Flex strip curtain, transparent, clear

Fitting rails

SVF

Aluminium support rail (natural finish), with clip suspension system for PVC strips. 6 fitting methods, swing-aside or swing-aside sideways shifting. The curtain size should preferably be 500 mm higher than the transported goods.

Fitting methods		Article number	Price per rail meter
1	Swing-aside Aluminium rail, 60 mm, for fitting under the lintel by screwing including fixing clip and fixing material	269585	 215
2	Swing-aside Aluminium rail, 60 mm, for fitting under the lintel with steel bracket for welding including fixing clip and fixing material	269584	 215
3	Swing-aside Aluminium rail, 30 mm, for fitting in front of the lintel, for screwing or welding (price calculation = clear opening width + 2 overlaps in mm)	269581	 215
4	Swing-aside Sideways shifting Aluminium rail, 30 mm, for sideways shifting, for fitting under the lintel , including track, ceiling fixing brackets, roller devices, pull cord, brake, single-, double- or multiple-track rail sections, if the curtain width is to be parked unilaterally on the left or the right ► For single-track aluminium rails, the double track length will be delivered in order to be able to fully slide the element out of the opening. Double-, triple- and quadruple-track aluminium rails cannot be fully moved out of the opening.	269580	 Single-track 361 Double-track 415 Triple-track 461 Quadruple-track 531
5	Swing-aside sideways shifting Aluminium rail, 30 mm, for side shifting, for fitting in front of the lintel , including track, ceiling fixing brackets, roller devices, pull cord, brake, single-, double- or multiple-track rail sections, if the curtain width is to be parked unilaterally on the left or the right (price calculation = clear opening width + 2 overlaps in mm) ► A double rail length is supplied in order to be able to fully slide the element out of the opening.	269579	 Single-track 361 Double-track 415 Triple-track 461 Quadruple-track 531
6	Swing-aside, can be pushed around at the corner by 90°. Sideroom at least 670 mm, headroom at least 200 mm Aluminium rail, 30 mm, for side shifting, for fitting in front of the lintel , including track, 90° curve rail Ceiling fixing brackets, roller devices, pull cord, brake, single-, double- or multiple-track rail sections, if the curtain width is to be parked unilaterally on the left or the right Only with material 300 × 3 at 100% overlapping (€107/m²) available or 400 × 4 at 75% overlapping (€146/m²) available	269578	 Single-track 821 Double-track 1010 Triple-track 1109
The total curtain width is divided into appropriate individual widths, the number of roller devices corresponds to the number of individual widths.			

Flex strip curtain, transparent, clear

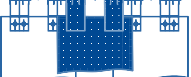
PVC strips

SVF

PVC strips concave/convex, transparent, clear, with rounded edges, temperature-resistant from +8°C to +60°C *, material will break at: -35°C (according to DIN 53372)

PVC strips, material 200 × 2 mm

(Curtain width max. 10000 × 2000 mm, larger widths on request)

			
Type	A	B	C
Overlap (the greater the overlapping, the better the seal)			
	Without	50 mm 50 %	100 mm 100 %

Maximum fitting height

Interior	2000
Exterior	–

€ per m² opening area

	62	74	100
Art. no.	269642	269597	269596

Material for multiple track version: (fitting method 4, 5 and 6): width + overlapping × number of tracks

PVC strips, material 300 × 3 mm

(Curtain width max. 10000 × 4000 mm, larger widths on request)

				
Type	A	B	C	D
Overlap (the greater the overlapping, the better the seal)				
	Without	50 mm 33 %	100 mm 66 %	150 mm 100 %

Maximum fitting height

Interior	3000	4000
Exterior	–	2000 2500

€ per m² opening area

	74	88	106	138
Art. no.	269594	269593	269592	269591

Material for multiple track version: (fitting method 4, 5 and 6): width + overlapping × number of tracks

PVC strips, material 400 × 4 mm

(Curtain width max. 10000 × 6000 mm, larger widths on request)

					
Type	A	B	C	D	E
Overlap (the greater the overlapping, the better the seal)					
	Without	50 mm 25 %	100 mm 50 %	150 mm 75 %	200 mm 100 %

Maximum fitting height

Interior	3000	3500	5000	6000
Exterior	–	3000	3500	4500

€ per m² opening area

	100	108	131	146	187
Art. no.	269590	269589	269588	269587	269586

Material for multiple track version: (fitting method 4, 5 and 6): width + overlap × number of rails

Optional extras

Anti-glare panel for welding curtains: S7 autogenous (green, art. no. 269577) or S9 arc (black, art. no. 269576), strips 300 × 3 mm **45 %**

PVC material for use in cold store areas, (art. no. 269575), temperature-resistant up to -35 °C, material will break at: -55 °C (acc. to DIN 53372), material thickness 2, 3 or 4 mm **25 %**

* Important note:

Strip curtains are not suitable for external applications (weathering) or in areas with high levels of humidity.

Double-action door with flexible door leaf, single-leaf, transparent, clear

PTF, medium-weight industrial version

Application range:

Intended for interior use, forklifts in normal application

The size of the door should preferably be twice as wide as and 500 mm higher than the transported goods.

Design:

Steel parts galvanized, frame profiles 2.5 mm. Double-action door with additional plastic corner reinforcements as tear protection, temperature-resistant from -20 °C to +60 °C (not suitable for use in cold store areas).

Leaf infill:

Soft PVC, transparent, clear, approx. 7 mm thick

Frame:

As U-profile 110 × 20 mm or flat profile 60 × 6 mm with pre-drilled fastening holes for plug-and-screw fitting

Actuation:

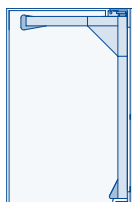
Manual, closing force adjustable up to 50 Nm

Locking device with adjustable closing force, integrated in frame profile, for an opening angle of 90° on both sides

Wind load:

None

Double-action door completely pre-assembled for easy fitting.



Galvanized

Steel parts made of galvanized material, without primer coating

Stainless steel door version available. Prices on request

Note:

Fastenings on pre-stressed concrete elements and partition walls on request!

Door height	3000	1051	1117	1180	1244	1331	1404	1468	1534	1600
	2875	998	1055	1117	1180	1265	1331	1394	1460	1521
	2750	979	1039	1098	1158	1238	1306	1366	1428	1482
	2625	924	981	1039	1094	1171	1269	1325	1386	1440
	2500	906	961	1020	1072	1150	1238	1296	1349	1404
	2375	893	944	996	1046	1117	1212	1263	1312	1366
	2250	862	912	961	1011	1083	1169	1217	1265	1317
	2125	851	895	940	985	1055	1138	1184	1234	1279
	2000	825	871	918	957	1025	1092	1135	1198	1242
		500	625	750	875	1000	1125	1250	1375	1500
		Door width								

Optional extras		Art. no.	Surcharge €	
Door leaves 7 mm thick, PVC	For use in cold store areas , transparent, clear, temperature-resistant from -40 °C to +40 °C	269558	Per m ²	31
	Transparent, clear, with highly tear-resistant mesh insert	269563	Per m ²	79
	Coloured* (preferred colours based on RAL) with highly tear-resistant all-over woven inlays with vision sections / strips	269562	Per m ²	95
Door leaves 10 mm thick, PVC	Transparent, clear, temperature-resistant from -20 °C to +60 °C	269561	Per m ²	79
	Transparent, clear, with highly tear-resistant mesh insert	269560	Per m ²	176
	Coloured* (preferred colours based on RAL) with highly tear-resistant all-over woven inlays with vision sections / strips	269559	Per m ²	189
Impact protection made of PVC, on both sides	Transparent	Made of 3.0 mm PVC	269556	Per m ² 241
	In RAL to choose*, with highly tear-resistant all-over woven inlay	Made of 3.5 mm PVC	269554	Per m ² 412
Underlaid warning stripe, yellow / black, for impact protection, on both sides (only available in combination with impact protection)		269255	Per m	21
Magnetic hold-open device with bracket holder, galvanized		269553	Per leaf	74
2- or 3-part profile frame for fitting in partition walls or gas concrete	Standard version	60 to 120 mm interior width	269552	Per m 67
		121 to 180 mm interior width	269551	Per m 92
		181 to 240 mm interior width	269550	Per m 112
	Reinforced version	60 to 120 mm interior width	269226	Per m 95
		60 × 10 mm	269227	Per m 26
		80 × 8 mm	269181	Per m 28
Door frame, 1- or 2-part	Made of flat profile	80 × 10 mm	269228	Per m 38
		80 × 45 mm	269229	Per m 76
	Made of U-profile	60 × 60 × 6 mm	269230	Per m 51
	Made of angle profile	60 × 60 × 6 mm	269237	Per m 35
	Made of square tube	60 × 60 mm	269237	Per m 35

* Colours based on: RAL 1014 Beige, RAL 1021 Yellow, RAL 2004 Orange, RAL 3002 Red, RAL 5002 Blue, RAL 6026 Green, RAL 7035 Light grey, RAL 7040 Window grey, RAL 9005 Black, RAL 9006 White aluminium and RAL 9010 White

Double-action door with flexible door leaf, double-leaf, transparent, clear

PTF, medium-weight industrial version

Application range:

Intended for interior use, forklifts in normal application

The size of the door should preferably be twice as wide as and 500 mm higher than the transported goods.

Design:

Steel parts galvanized, frame profiles 2.5 mm. Double-action door with additional plastic corner reinforcements as tear protection, temperature tolerance from -20°C to +60°C (not suitable for use in cold store areas).

Leaf infill:

Soft PVC, transparent, clear, approx. 7 mm thick

Frame:

As U-profile 110 × 20 mm or flat profile 60 × 6 mm with pre-drilled fastening holes for plug-and-screw fitting

Actuation:

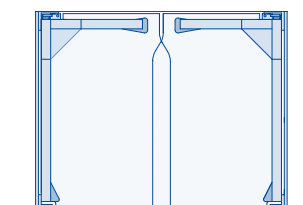
Manual, closing force adjustable up to 50 Nm

Locking device with adjustable closing force, integrated in frame profile, for an opening angle of 90° on both sides

Wind load:

None

Double-action door completely pre-assembled for easy fitting.



Galvanized

Steel parts made of galvanized material, without primer coating

Stainless steel door version available. Prices on request

Note:

Fastenings on pre-stressed concrete elements and partition walls on request!

Door height	3000	1992	2059	2139	2202	2270	2336	2399	2463	2570	2634	2703	2763	2833	2896	2961	3051	3115
	2875	1922	1985	2059	2121	2186	2247	2309	2370	2477	2539	2601	2664	2726	2827	2885	2975	3039
	2750	1887	1948	2023	2077	2139	2199	2261	2321	2420	2480	2541	2601	2656	2759	2819	2899	2961
	2625	1813	1867	1942	2001	2056	2142	2202	2258	2356	2414	2470	2526	2584	2692	2750	2824	2882
	2500	1774	1832	1902	1955	2009	2096	2151	2202	2301	2356	2409	2468	2518	2622	2677	2753	2803
	2375	1736	1788	1855	1906	1960	2044	2096	2144	2243	2291	2344	2396	2737	2549	2601	2672	2726
	2250	1690	1742	1803	1855	1902	1980	2029	2077	2172	2220	2270	2321	2367	2480	2531	2593	2645
	2125	1657	1702	1761	1811	1855	1930	1980	2029	2116	2161	2205	2258	2301	2409	2458	2521	2565
	2000	1615	1661	1716	1761	1809	1863	1906	1955	2044	2086	2151	2217	2237	2344	2391	2449	2496
		1000	1125	1250	1375	1500	1625	1750	1875	2000	2125	2250	2375	2500	2625	2750	2875	3000
		Door width																

Optional extras		Art. no.	Surcharge €		
Door leaves 7 mm thick, PVC	For use in cold store , transparent, clear, temperature-resistant from – 40 °C to +40 °C		Per m²	31	
	Transparent, clear, with highly tear-resistant mesh insert		Per m²	79	
	Coloured* (preferred colours based on RAL) with highly tear-resistant all-over woven inlays with vision sections / strips		Per m²	95	
Door leaves 10 mm thick, PVC	Transparent, clear, temperature-resistant from – 20°C to +60°C		Per m²	79	
	Transparent, clear, with highly tear-resistant mesh insert		Per m²	176	
	Coloured* (preferred colours based on RAL) with highly tear-resistant all-over woven inlays with vision sections / strips		Per m²	189	
Impact protection made of PVC, on both sides	Transparent	Made of 3.0 mm PVC	Per m²	241	
	In RAL to choose*, with highly tear-resistant all-over woven inlay	Made of 3.5 mm PVC	Per m²	412	
Underlaid warning stripe, yellow / black, for impact protection, on both sides (only available in combination with impact protection), art. no. 269726		269255	Per m	21	
Magnetic hold-open device with bracket holder, galvanized			Per leaf	74	
2- or 3-part profile frame for fitting in partition walls or gas concrete	Standard version	60 to 120 mm interior width	Per m	67	
		121 to 180 mm interior width	Per m	92	
		181 to 240 mm interior width	Per m	112	
	Reinforced version	60 to 120 mm interior width	Per m	95	
	Door frame, 1- or 2-part	Made of flat profile	60 × 10 mm	269227	Per m
80 × 8 mm			269181	Per m	28
80 × 10 mm			269228	Per m	38
Made of U-profile		80 × 45 mm	269229	Per m	76
Made of angle profile		60 × 60 × 6 mm	269230	Per m	51
Made of square tube		60 × 60 mm	269237	Per m	35

* Colours based on:

RAL 1014 Beige, RAL 1021 Yellow, RAL 2004 Orange, RAL 3002 Red, RAL 5002 Blue, RAL 6026 Green, RAL 7035 Light grey, RAL 7040 Window grey, RAL 9005 Black, RAL 9006 White aluminium and RAL 9010 White

Double-action door with flexible door leaf, single-leaf, transparent, clear

PTF, heavy industrial version

Application range:

Intended for interior use, forklifts in normal application

The size of the door should preferably be twice as wide as and 500 mm higher than the transported goods.

Design:

Steel parts galvanized, frame profiles 2.5 mm. Double-action door with additional plastic corner reinforcements as tear protection, temperature tolerance from -30°C to +60°C (not suitable for use in cold store areas).

Leaf infill:

Soft PVC, transparent, clear, approx. 7 mm thick

Frame:

As U-profile 165 × 20 mm or flat profile 80 × 8 mm with pre-drilled fastening holes for plug-and-screw fitting

Actuation:

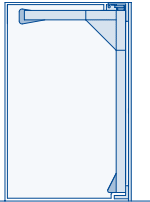
Manual, closing force adjustable up to 50 Nm

Locking device with adjustable closing force, integrated in frame profile, for an opening angle of 90° on both sides

Wind load:

None

Double-action door completely pre-assembled for easy fitting.



Galvanized

Steel parts made of galvanized material, without primer coating

Note:

Fastenings on pre-stressed concrete elements and partition walls on request!

Door height	5250												
		1000	1125	1250	1375	1500	1625	1750	1875	2000	2125	2250	2625
4500	2431	2531	2627	2737									
4250	2370	2463	2558	2664	2759								
4000	2119	2199	2283	2384	2470	2556							
3750	2059	2139	2217	2307	2391	2470							
3500	2001	2072	2151	2237	2309	2391	2461						
3250	1893	1963	2032	2116	2186	2258	2323	2563					
3000	1751	1813	1882	1963	2025	2130	2196	2431					
2750	1692	1753	1811	1885	1945	2049	2107	2336					
2500	1595	1684	1736	1803	1861	1965	2020	2247					
2250	1517	1595	1645	1707	1759	1867	1920	2139					
2000	1450	1513	1557	1635	1682	1788	1832	2049					

Prices on request

Optional extras		Art. no.	Surcharge €		
Door leaves 7 mm thick, PVC	Transparent, clear, with highly tear-resistant mesh insert		Per m ²	79	
	Coloured* (preferred colours based on RAL) with highly tear-resistant all-over woven inlays with vision sections / strips		Per m ²	95	
Door leaves 10 mm thick, PVC	Transparent, clear, temperature-resistant from –20°C to +60°C		Per m ²	79	
	Transparent, clear, with highly tear-resistant mesh insert		Per m ²	176	
	Coloured* (preferred colours based on RAL) with highly tear-resistant all-over woven inlays with vision sections / strips		Per m ²	191	
Impact protection made of PVC, on both sides	Transparent	Made of 3.0 mm PVC	Per m ²	241	
	In RAL to choose*, with highly tear-resistant all-over woven inlay	Made of 3.5 mm PVC	Per m ²	412	
Underlaid warning stripe, yellow / black, for impact protection, on both sides (only available in combination with impact protection)		269255	Per m	21	
Hook hold-open device with bracket holder		269546	Per leaf	178	
Door frame, 1- or 2-part	Made of flat profile	80 × 10 mm	269215	Per m	17
		100 × 10 mm	269183	Per m	33
		120 × 10 mm	269216	Per m	44
	Made of U-profile	80 × 45 mm	269218	Per m	59
		80 × 80 × 8 mm	269219	Per m	79
	Made of angle profile	100 × 100 × 10 mm	269220	Per m	134
		80 × 80 mm	269221	Per m	57
	Made of square tube	100 × 100 mm	269222	Per m	71

* Colours based on: RAL 1014 Beige, RAL 1021 Yellow, RAL 2004 Orange, RAL 3002 Red, RAL 5002 Blue, RAL 6026 Green, RAL 7035 Light grey, RAL 7040 Window grey, RAL 9005 Black, RAL 9006 White aluminium and RAL 9010 White

Double-action door with flexible door leaf, double-leaf, transparent, clear

PTF, heavy industrial version

Application range:

Intended for interior use, forklifts in normal application

The size of the door should preferably be twice as wide as and 500 mm higher than the transported goods.

Design:

Steel parts galvanized, frame profiles 2.5 mm. Double-action door with additional plastic corner reinforcements as tear protection, temperature tolerance from -30°C to +60°C (not suitable for use in cold store areas).

Leaf infill:

Soft PVC, transparent, clear, approx. 7 mm thick

Frame:

As U-profile 165 × 20 mm or flat profile 80 × 8 mm with pre-drilled fastening holes for plug-and-screw fitting

Actuation:

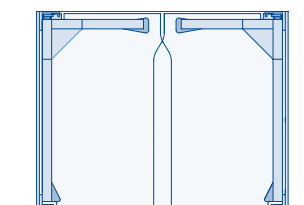
Manual, closing force adjustable up to 50 Nm

Locking device with adjustable closing force, integrated in frame profile, for an opening angle of 90° on both sides

Wind load:

None

Double-action door completely pre-assembled for easy fitting.



Galvanized

Steel parts made of galvanized material, without primer coating

Note:

Fastenings on pre-stressed concrete elements and partition walls on request!

Door height	5250												
	4500	4669	4864	5062	5253								
	4250	4540	4726	4909	5099	5319							
	4000	4135	4306	4477	4643	4843	5261						
	3750	4011	4170	4332	4488	4679	5086						
	3500	3886	4038	4188	4334	4511	4914	5064					
	3250	3713	3851	3993	4135	4297	4691	4830	4971				
	3000	3473	3601	3729	3901	4053	4315	4445	4700				
	2750	3344	3463	3584	3745	3886	4137	4263	4503				
	2500	3213	3325	3434	3588	3720	3967	4077	4309				
	2250	3053	3155	3253	3415	3537	3763	3867	4086				
	2000	2908	3015	3111	3264	3369	3588	3681	3895				
		2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	5250
		Door width											

Prices on request

Optional extras		Art. no.	Surcharge €		
Door leaves 7 mm thick, PVC	Transparent, clear, with highly tear-resistant mesh insert		Per m²	79	
	Coloured* (preferred colours based on RAL) with highly tear-resistant all-over woven inlays with vision sections / strips		Per m²	95	
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		100 × 100 × 10 mm	269220	Per m	134
	Made of angle profile	80 × 80 mm	269221	Per m	57
		100 × 100 mm	269222	Per m	71
	Made of square tube				

* Colours based on: RAL 1014 Beige, RAL 1021 Yellow, RAL 2004 Orange, RAL 3002 Red, RAL 5002 Blue, RAL 6026 Green, RAL 7035 Light grey, RAL 7040 Window grey, RAL 9005 Black, RAL 9006 White aluminium and RAL 9010 White

Notes and sketches

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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.

