

Industrial price list 09-23

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

HÖRMANN

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

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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. Door guide 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 tubular profiles, screwed.

Infill:

Lattice bars made of aluminium tubular profiles 30 × 30 mm, screwed to the frame spaced 116 mm apart. Profile bars 80 × 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 add-on 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 operator 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
Door height from FFL Intermediate heights at no surcharge	2400 ^{*2)}	8321	8733	9204	9680	10594	11160	11421	12048	12839	13547				
	2200	8134	8530	8989	9452	10351	10897	11155	11761	12521	13202				
	2000	7945	8332	8778	9223	10109	10634	10889	11473	12207	12859	13514	14232	14641	15427
	1800	7756	8132	8563	8995	9863	10372	10626	11186	11888	12514	13153	13832	14247	14997
	1600	7567	7932	8351	8763	9621	10111	10360	10897	11572	12172	12794	13445	13852	14566
	1400	7379	7728	8136	8535	9379	9848	10094	10610	11256	11829	12435	13060	13456	14137
	1200	7190	7530	7922	8306	9134	9584	9828	10320	10939	11484	12073	12673	13062	13711
	1000	7001	7330	7710	8080	8892	9321	9563	10034	10621	11141	11715	12286	12668	13281
Door height from FFL Intermediate heights at no surcharge	2400 ^{*2)}	12642	13055	13549	14028	14964	15531	15816	16442	17257	17962				
	2200	12407	12804	13286	13751	14671	15216	15501	16106	16888	17569				
	2000	12169	12556	13025	13472	14377	14904	15186	15769	16524	17177	17848	18569	19001	19786
	1800	11930	12305	12762	13193	14085	14594	14869	15431	16156	16781	17443	18118	18557	19306
	1600	11693	12057	12499	12914	13792	14282	14555	15093	15787	16389	17033	17685	18114	18828
	1400	11456	11808	12235	12635	13498	13969	14239	14753	15424	15996	16622	17250	17672	18349
	1200	11218	11559	11974	12358	13209	13659	13927	14414	15056	15601	16216	16811	17226	17872
	1000	10981	11309	11713	12079	12916	13345	13610	14079	14689	15207	15807	16376	16781	17391
Door height from FFL Intermediate heights at no surcharge	2400 ^{*2)}	14799	15212	15724	16200	17154	17720	18021	18650	19478	20189				
	2200	14515	14913	15410	15873	16813	17356	17657	18261	19063	19744				
	2000	14230	14617	15100	15548	16471	16998	17294	17874	18646	19298	20182	20901	21352	22138
	1800	13944	14318	14788	15219	16128	16636	16928	17487	18228	18858	19735	20411	20858	21606
	1600	13657	14021	14478	14893	15785	16275	16564	17101	17813	18413	19273	19926	20364	21077
	1400	13371	13722	14165	14564	15443	15913	16198	16713	17396	17969	18809	19436	19867	20548
	1200	13086	13424	13855	14237	15102	15552	15834	16324	16981	17527	18349	18946	19373	20019
	1000	12796	13125	13542	13911	14759	15190	15469	15937	16567	17081	17888	18457	18879	19489
		3000		4000		5000		6000		7000		8000		9000	
		Clear passage width Intermediate widths in 500 mm grid possible at no surcharge!													

Note:

^{*2)} Transport for doors from a door height over 2200 mm (^{*2)} on request.

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, 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, 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 size 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 size No surcharge
► Adjustment to the location <u>not</u> possible!					
•	•	•	269171 *	Fence fixing, single-sided at the guide post or front post	Unit(s) 49
•	•	•	269171 *	U-profile fence fixing, supplied separately, colour: Silver grey (similar to zinc), or coated in door colour	Unit(s) 49
•	•	•	269170	Climb-over protection (spiked ledge), approx. 50 mm high, welded to top beam, only from a height of 1.80 m, colour Silver grey (similar to zinc)	Per m 25
•	•	•	269103	Protective rail made of aluminium profile on the top beam, on both sides, recommended with powder coating	Per m 63
•	•	•	269080	Surface in RAL to choose or DB colours	Up to LD 9000 mm 677
•	•	•	269085	► For each additional door in the same special colour we charge	Up to LD 12000 mm 894
•	•	•	269086	30% of the colour surcharge per door	Up to LD 13000 mm 975
•	•	•	269079	Reflective warning stripes red / white on both sides of the bottom beam	Per m 23
•	•	•	269653	Drill stencil (fitting device)	Unit(s) 44
•	•	•	269487	Side pedestrian door, 1 m wide	See page 11
	•	•	269648	LED flashing light, orange, 230 V, fitted	Unit(s) 197
	•	•	269231	Protective cage for flashing light	Unit(s) 171
	•	•	269633	LED rotating warning light, orange, 230 V	Unit(s) 490
	•	•	269650	Key switch prepared for second profile cylinder (e.g. fire brigade)	Surcharge each 317
		•	269646	Additional contact strip – required for guide posts if there is no protection fence (pre-assembled) – included separately for each additional crushing or shearing hazard point	Up to 2 m door height Unit(s) 374 Up to 2.5 m door height Unit(s) 438
		•	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) 341
			269490	Induction loop detector, 1-channel	Unit(s) 187
		•	269629	Induction loop (for laying under pavement), separate	Up to 8 m perimeter Unit(s) 243
		•	269645	Only in conjunction with a multi-function microprocessor control	Up to 14 m perimeter Unit(s) 299
		•	269494	Induction loop (for laying in asphalt)	Unit(s) 84

* 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. Door guide 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 tubular profiles, screwed.

Infill:

Lattice bars made of aluminium tubular profiles 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 add-on 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 operator 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.

Door 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)	15282	16053	16573	17413	20802	21798	23717	24868	30593	32084			
	2200	14909	15655	16168	16976	20357	21312	23203	24317	30015	31454			
	2000					17142	17991	19434	20413	26228	27451	30955	32240	
	1800	Manually operated					16704	17518	18930	19865	25653	26826	30342	31599
	1600						16268	17042	18424	19317	25082	26206	29729	30936
	1400						15829	16569	17923	18767	24509	25584	29118	30286
	1200						15394	16091	17419	18221	23937	24963	25231	26142
	1000						14957	15618	16916	17674	21691	22600	24796	25655
	2400 *2)	20508	21283	21833	22667	26087	27080	29370	30519	36151	37646			
	2200	20095	20844	21382	22191	25600	26556	28813	29925	35538	36981			
	2000					22043	22891	24675	25656	31659	32883	36522	37807	
	1800	With 400 V operator Press-and-hold control					21536	22348	24099	25033	31048	32223	35874	37130
	1600						21033	21807	23522	24413	30439	31564	35226	36434
	1400						20527	21264	22947	23791	29831	30906	34578	35748
	1200						20023	20721	22369	23171	29223	30248	29918	30918
	1000						19517	20178	21793	22548	26347	27240	29498	30441
	2400 *2)	23183	23954	24521	25360	28798	29791	32275	33426	39079	40570			
	2200	22689	23436	23992	24800	28239	29193	31640	32750	38387	39830			
	2000					24402	25248	27201	28183	34406	35629	39292	40572	
	1800	With 400 V operator Impulse control with 6 SKS					23845	24658	26573	27507	33729	34904	38573	39830
	1600						23289	24064	25940	26830	33053	34180	37855	39063
	1400						22733	23469	25310	26157	32377	33451	37137	38308
1200						22178	22878	24679	25481	31701	32726	32189	33188	
1000						21623	22283	24049	24805	28532	29427	31707	32656	
		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 doors from a door 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, 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, 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, door guide 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

Door 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	9367	9810	10218	10594	11076	12223	13095
		1800	9186	9603	9982	10333	10787	11908	12745
		1600	9006	9395	9749	10074	10502	11594	12398
	With 400 V operator Press-and-hold control	2000	14445	14948	15657	16436	17175	18692	19550
		1800	14191	14667	15337	16077	16781	18268	19089
		1600	13936	14384	15016	15722	16385	17844	18632
	With 400 V operator Impulse control with 6 SKS	2000	18757	19291	19904	20855	21347	22933	24192
		1800	18463	18968	19548	20455	20912	22472	23684
1600		18170	18641	19192	20054	20480	22008	23175	
		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 operator 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, 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, 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) 49
•	•	•	269035	U-profile fence fixing, included separately	Unit(s) 49
•	•	•	269170	Climb-over protection (spiked ledge) approx. 50 mm high, welded to top beam, only from a height of 1.80 m	Per m 25
•	•	•	269103	Protective rail made of aluminium profile on the top beam, on both sides	Per m 63
•	•	•	269175	Surface in RAL to choose or DB colours	First door 677 Each additional door 202
•	•	•	269432	Door leaf infill with double lath mesh, mesh 50 × 200 mm, wire diameter 8/6/8 mm	Per m² 98
			269079	Reflective warning stripes red / white on both sides of the bottom beam	Unit(s) 23
•	•	•	269102	Drill stencil (fitting device)	Unit(s) 44
•	•	•	269487	Side pedestrian door, 1 m wide	See page 11
	•	•	269648	LED flashing light, orange, 230 V, fitted	Unit(s) 197
	•	•	269231	Protective cage for flashing light	Unit(s) 171
		•	269646	Additional contact strip – required for guide posts if there is no protection fence (pre-assembled) – included separately for each additional crushing or shearing hazard point	Unit(s) 374
		•	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) 341
		•	269620	Key switch Open / Stop / Close fitted into the front post, on-site wiring	Unit(s) 300
		•	269621	Key switch Open / Emergency stop / Close fitted into the front post, wiring on site	Unit(s) 356
		•	269650	Key switch prepared for second profile cylinder (e.g. fire brigade)	Surcharge each 317

* 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). Door guide 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.

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

Frame:

Steel tubular profiles, welded.

Infill:

Lattice bars made of steel tubular profiles 25 x 25 mm, welded to the frame spaced 110 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).

			Clear passage width													
			3000	4000	5000	6000	7000	8000	9000 *	10000 *	11000 *	12000 *	13000 *	14000 *	15000 *	16000 *
Door height from FFL	HS 160	2400 *2)	10917	11533	12391	13459										
		2200	10760	11317	12134	13158	14408									
		2000	10676	11097	11878	12855	14072									
		1800	10528	10880	11620	12556	13729									
		1600	10387	10658	11363	12255	13391									
		1200	10239	10476	11174	11886	12967									
	HS 200	2400 *2)	11116	11860	12939	14207	15324	16592	18483	20100						
		2200	11037	11640	12680	13904	14981	16207	18056	19623						
		2000	10950	11423	12422	13604	14641	15823	17632	19144						
		1800	10806	11205	12163	13300	14298	15438	17202	18662						
		1600	10661	10985	11908	13002	13958	15051	16778	18184						
		1200	10517	10812	11734	12642	13538	14277	15925	17659						
	HS 280	2400 *2)				15963	17296	18401	20012	21466	24302	26155				
		2200				15669	16958	18026	19590	20998	23772	25576				
		2000				15370	16620	17655	19168	20525	23234	25003				
		1800				15076	16284	17282	18744	20058	22702	24427				
		1600				14775	15946	16907	18320	19585	22376	23851				
		1200				14468	15578	16163	17470	19107	21297	23131				
			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 doors from a door height over 2200 mm (^{*2)} on request.

Optional extras

See from page 12

Surcharges 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). Door guide 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 110 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 gear 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 *
Door height from FFL	HS 160	2400 ^{*2)}	16437	17123	17960	18942										
		2200	16305	16883	17683	18627	19662									
		2000	16182	16644	17406	18307	19348									
		1800	16041	16405	17130	17993	19030									
		1600	15903	16168	16855	17674	18713									
		1200	15790	15925	16541	17296	18077									
	HS 200	2400 ^{*2)}	17048	17699	18716	19853	20967	22080	24245	26017						
		2200	16935	17464	18438	19534	20613	21686	23812	25523						
		2000	16827	17224	18164	19221	20257	21287	23381	25029						
		1800	16678	16986	17885	18902	19902	20891	22949	24535						
		1600	16538	16750	17613	18588	19543	20495	22369	24043						
		1200	16418	16519	17317	18226	18830	20196	21648	23630						
	HS 280	2400 ^{*2)}				22386	23516	24646	26386	28032	31515	33286				
		2200				22070	23164	24257	25949	27546	30962	32699				
		2000				21758	22814	23873	25516	27062	30410	32109				
		1800				21444	22465	23485	25075	26575	29857	31517				
		1600				21129	22114	23100	24637	26092	29299	30925				
		1200				20807	21415	22884	23768	25749	28194	29743				
	HS 400	2400 ^{*2)}										39957	42602	46369	47850	52030
		2200										39236	41856	45605	47062	51191
		2000										38516	41113	44840	46488	50349
		1800										37795	40364	44071	46120	49510
		1600										37079	39621	43301	45318	48673
		1200										36594	39145	42773	44733	48104
			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 doors from a door height over 2200 mm (^{*2)} on request.

Optional extras	See from page 12
Surcharges 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). Door guide 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 110 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 gear 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 *
Door height from FFL	HS 160	2400 ^{*2)}	20359	21695	22555	23420										
		2200	20225	21382	22206	23034	24385									
		2000	20104	21077	21861	22646	23989									
		1800	19962	20767	21514	22259	23599									
		1600	19820	20455	21165	21872	23206									
		1200	19707	20089	20471	21103	22425									
	HS 200	2400 ^{*2)}	20992	22327	23329	24363	25719	26773	29141	30687						
		2200	20884	22015	22982	23972	25285	26304	28629	30120						
		2000	20771	21707	22634	23583	24857	25833	28120	29556						
		1800	20624	21404	22287	23194	24425	25365	27612	28987						
		1600	20485	21092	21940	22807	23992	24894	27099	28418						
		1200	20363	20734	21243	22028	23129	23952	26076	27598						
	HS 280	2400 ^{*2)}	23400	24640	25771	26957	28482	29666	31318	33978	35722	37802				
		2200	23154	24343	25428	26573	28055	29202	30806	33398	35107	37139				
		2000	22913	24047	25085	26190	27630	28738	30296	32822	34487	36480				
		1800	22704	23746	24743	25802	27199	28271	29780	32242	33874	35823				
		1600	22491	23449	24402	25416	26773	27805	29270	31663	33258	35166				
		1200	22238	23150	23719	24646	25914	26876	28239	30938	33079	34319				
	HS 400	2400 ^{*2)}										45563	48241	51527	53643	56305
		2200										44845	47493	50767	52853	55485
		2000										44122	46749	50242	52063	54925
		1800										43406	46003	49706	51272	54354
		1600										42690	45262	48941	50479	53529
		1200										42204	44789	48419	49904	52972
			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 doors from a door height over 2200 mm (*²) on request.

Optional extras

See from page 12

Surcharges 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	999
	Height 1000 mm	per door	1079
	Height 1200 mm	per door	1163
	Height 1400 mm	per door	1263
	Height 1600 mm	per door	1359
	Height 1800 mm	per door	1439
	Height 2000 mm	per door	1534
	Height 2200 mm	per door	1612
	Height 2400 mm	per door	1690
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	400
Electric strike for side door 6 – 12 V AC in 40 mm housing		269636	271
Surface-mounted door closer TS-A		269070	719
Fitted tubular door closer TS-ER		269074	1250
Climb-over protection (spiked ledge) approx. 50 mm high, welded to top beam, from a height of 1.80 m		Per m 269438	28
Special colour (colour same as sliding gate system)		Each 269437	75
Protection to exclude the possibility of reaching through, made of aluminium sheet, powder-coated in the door colour, fitted on leaf infill and in the front post		Each 269484	419
Round bar fence fixing		Each 269436	57
1/2 handle set long escutcheon	Light alloy door knob, turnable, 1 × PC	Each 269435	38
	Light alloy door knob, fixed, 1 × PC	Each 269434	38

Optional extras for steel sliding gate HS

Manually operated	Press-and- hold control	Impulse control						
			Optional extras					€
•	•	•	269105	Intermediate height measurements	Next higher door size, plus additional			317
•	•	•	269084	Intermediate widths ► incl. foundation plan	Next width, plus additional			608
•	•	•	269083	Intermediate heights and widths ► incl. foundation plan	Next height / width, plus additional			707
•	•	•	269082	Special foundation plan With reference to the location, i.e. the buildings, kerbs, footpaths, for on-site measurement (architectural plan)	Unit(s)			790
•	•	•	269432	Door leaf infill with double lath mesh, mesh 50 × 200 mm, wire diameter 8 / 6 / 8 mm, instead of lath mesh	Per m²			98
•	•	•	269431	Door leaf infill with 2 mm aluminium sheet, instead of lath mesh	Per m²			211
•	•	•	269641 *	Special door leaf infills				on request
•	•	•	269171 *	Fence fixing, single-sided at the guide post or front post	Unit(s)			49
•	•	•	269035	U-profile fence fixing, included separately	Unit(s)			49
•	•	•	269170	Climb-over protection (spiked ledge) approx. 50 mm high, welded to top beam, from a height of 1.80 m	Per m			25
•	•	•	269482	Climb-over protection (spiked ledge) approx. 40 mm high, welded to top beam, only from a height of 1.80 m	Per m			24
•	•	•	269080	Surface finish in RAL to choose or DB colours, for each additional door in the same special colour we charge 30% of the colour surcharge per door	LD width up to 9000 mm	Unit(s)		677
•	•	•	269085		LD width up to 12000 mm	Unit(s)		894
•	•	•	269086		LD width up to 13500 mm	Unit(s)		975
•	•	•	269087		LD width from 14000 mm	Unit(s)		1145
•	•	•	269079	Reflective warning strips red / white on both sides of the bottom beam	Per m			23
•	•	•	269653	Drill stencil (fitting device)	Unit(s)			44
•	•	•	269078	Front post and / or jamb extended for concrete fitting on site				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)		3628
	•	•	269174	Sliding gate up to 2000 mm height, only for doors 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)		4017
					Other sizes			on request
		•	269077	Key safe F3100 (125 × 80 × 75) fitted in the guide post	Unit(s)			1199

* 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.		€
•	•	LED flashing light, fitted	269648	Unit(s)	197
•	•	LED rotating warning light, orange, 230 V	269633	Unit(s)	490
•	•	Protective cage for flashing light, fitted	269231	Unit(s)	171
•	•	Protective cage for rotating warning light fitted	269649	Unit(s)	231
	•	Soft start device, recommended with high number of door cycles	269638	Unit(s)	559
	•	High-speed system (only in conjunction with a multi-function microprocessor control)	269540	Unit(s)	2141
	•	GSM mobile radio control (only in conjunction with a multi-function microprocessor control)	269539	Unit(s)	1511
	•	Multi-function microprocessor control for induction loops, photocells, etc. for a surcharge	269644	Unit(s)	458
	•	Induction loop detector, 2-channel (2 loops can be connected) Only in conjunction with a multi-function microprocessor control	269630	Unit(s)	197
	•	Induction loop detector, 1-channel	269490	Unit(s)	187
	•	Induction loop (for laying under pavement), separate	Up to 8 m perimeter 269629	Unit(s)	243
	•	Only in conjunction with a multi-function microprocessor control	Up to 14 m perimeter 269645	Unit(s)	299
	•	Induction loop (for laying in asphalt)	269494	Unit(s)	84
	•	Additional contact strip	Up to 2000 mm door height 269646	Unit(s)	374
	•	– required for guide posts if there is no protection fence (pre-assembled) – included separately for each additional crushing or shearing hazard point	Up to 2500 mm door height 269647	Unit(s)	438
	•	Additional one-way photocell, multi-function microprocessor control potentially required	269631	Unit(s)	696
	•	Weekly timer 1-channel (switches automatic operation On / Off)	269635	Unit(s)	431
	•	Yearly timer (as above, but takes holidays into account)	269068	Unit(s)	1029
•	•	Rear buffer roller for plug-and-screw fitting instead of sleeve fitting	269522	Unit(s)	201
		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 outdoor use (IP 65), in a tamper-proof aluminium housing, with 7 m connecting lead, 3-wire, decoder unit for indoor use	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 die-cast 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)	300
	•	Key switch Open / Emergency stop / Close, fitted in the front post, wiring on site	269621	Unit(s)	356
	•	Key switch prepared for second profile cylinder (fire brigade) fitted in the guide post, incl. wiring	Surcharge 269650	Unit(s)	317
		Push button			
	•	Push button Open / Stop / Close in surface-mounted plastic housing, separate	269623	Unit(s)	158
		Code switch			
	•	Digit code switch (indicate required functions)			on request
		Card reader			
	•	Card reader (indicate required functions)			on request
	•	Cards for card reader	269625		21
		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

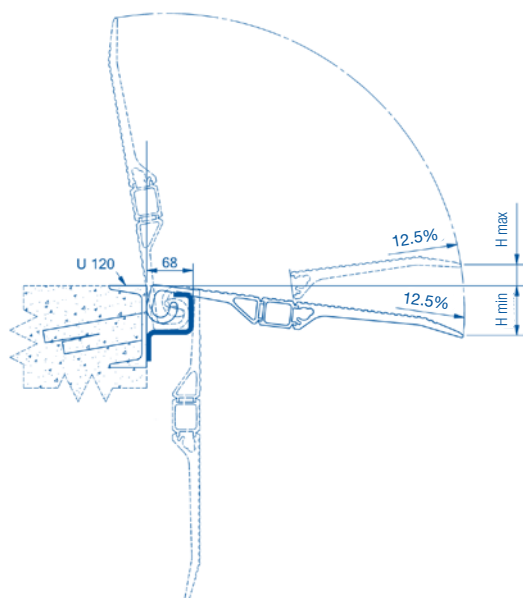
Made of aluminium

- 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

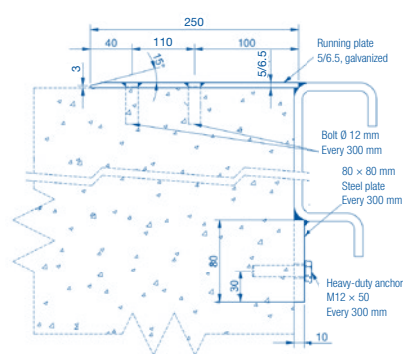
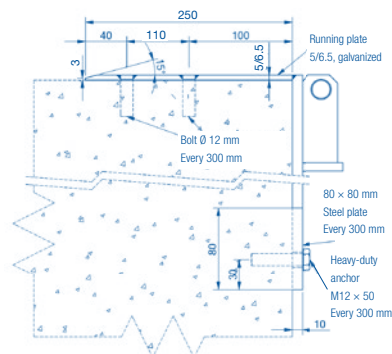
Type	Length (mm)	Width (mm)	Height difference H (mm)		Carrying capacity (daN / each)	Weight (kg / each)	€ each
			Min.	Max.			
KBS 00	410	1250	-70	+30	4000	19	568
KBS 12	535	1250	-90	+45	4000	24	676
KBS 13	785	1250	-120	+75	4000	31	814
KBS 02	910	1250	-135	+90	4000	36	1051
KBS 04	410	1500	-70	+30	4000	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



Booms	Art. no.	€ per m
Boom, 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 boom 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)

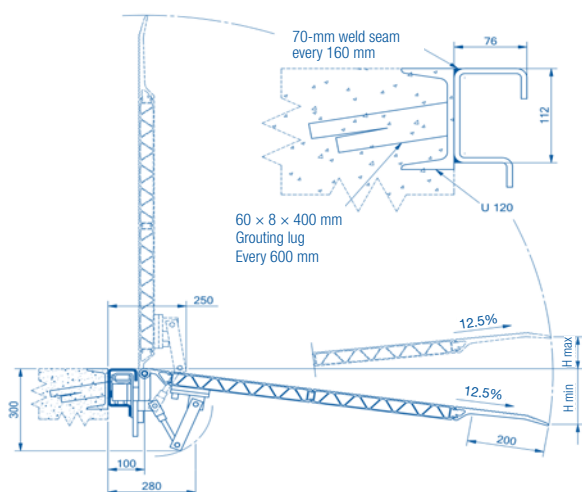
- Sideways shifting
- Carrying capacity up to 4000 daN

Features:

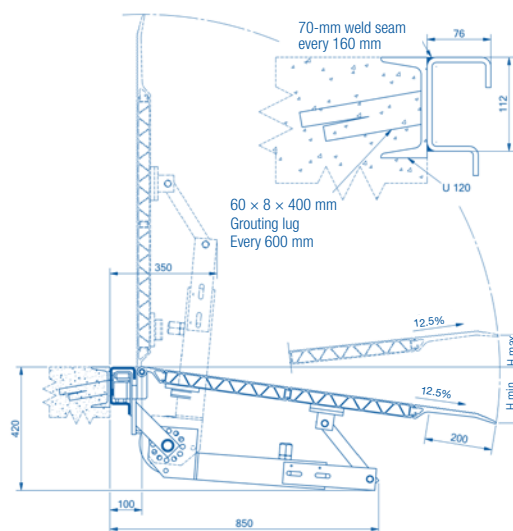
- Suitable for small to medium height differences
- Made of corrosion-resistant aluminium
- From a platform length of 1065 mm with maintenance-free and wear-resistant spring system
- Automatic anti-fall safeguard
- Guide system insusceptible to dirt
- Sideways shifting

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

Booms		Art. no.	€ per m
Boom, smooth, 12 kg/m, produced lengths 1000/2000/3000 mm		156535	86
Boom, 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 for segmented lips for loading bridge			
Bridge width:		1250 mm	355
		1500 mm	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 kg

Features:

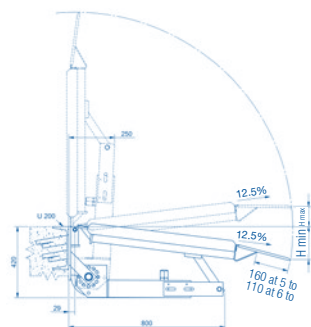
- Height differences bridgeable upwards and downwards
- Available in galvanized steel or painted
- Available stationary or sideways shifting
- Counterbalance via a maintenance-free and wear-resistant spring system
- Guide system insusceptible to dirt
- Fitting and dismantling from front possible

Stationary

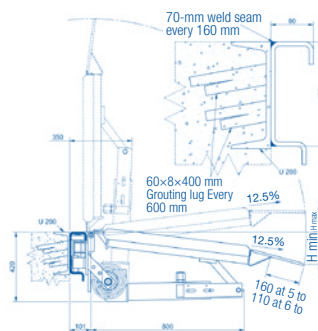
Type	Length (mm)	Width (mm)	Height difference H (mm)		Carrying capacity (daN / each)	Weight (kg / each)	€ each	
			Min.	Max.			Painted	Galvanized
FBSS 01	1250	1500	-160	+110	5000	230	2966	3514
FBSS 04	1500	1500	-190	+140	5000	270	3220	3586
FBSS 05	1500	1750	-190	+140	5000	300	3658	4336
FBSS 06	1500	2000	-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

Booms	Art. no.	€ per m
Boom, smooth, 25 kg/m, produced lengths 1000/2000/3000 mm	156511	159
Boom, 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 for 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:

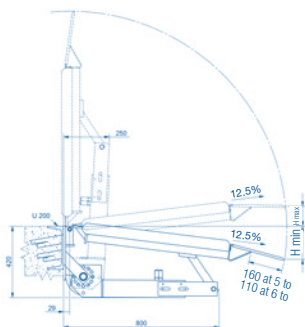
- Height differences bridgeable upwards and downwards
- Available in galvanized steel or painted
- Available stationary or sideways shifting
- Counterbalance via a maintenance-free and wear-resistant spring system
- Guide system insusceptible to dirt
- Fitting and dismantling from front possible

Stationary

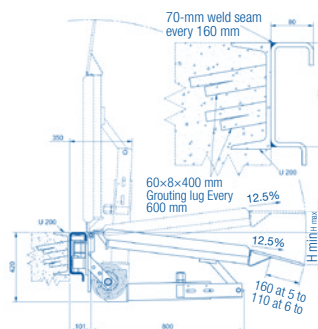
Type	Length (mm)	Width (mm)	Height difference H (mm)		Carrying capacity (daN / each)	Weight (kg / each)	€ each	
			Min.	Max.			Painted	Galvanized
FBSS 01	1250	1500	-160	+110	6000	245	3539	4196
FBSS 04	1500	1500	-190	+140	6000	285	3789	4513
FBSS 05	1500	1750	-190	+140	6000	315	4223	5064
FBSS 06	1500	2000	-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

Booms		€ per m
Boom, smooth, 25 kg/m, produced lengths 1000 / 2000 / 3000 mm		159
Boom, 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 for 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 kg

Features:

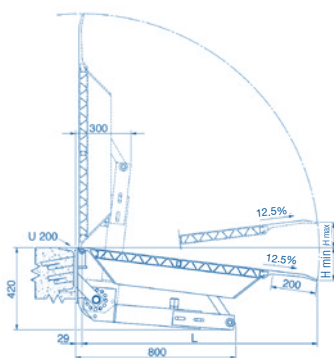
- Height differences bridgeable upwards and downwards
- Made of corrosion-resistant aluminium
- Available stationary or sideways shifting
- Counterbalance via a maintenance-free and wear-resistant spring system
- Guide system insusceptible to dirt
- Fitting and dismantling from front possible

Stationary

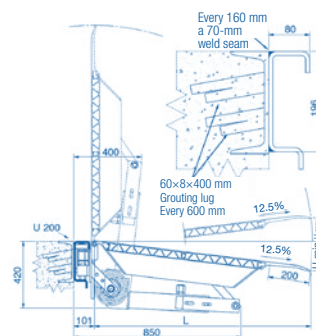
Type	Length (mm)	Width (mm)	Height difference H (mm)		Carrying capacity (daN / each)	Weight (kg / each)	€ each
			Min.	Max.			
FBAS 01	1315	1500	-185	+140	4500	140	3853
FBAS 04	1565	1500	-215	+175	4500	164	4218
FBAS 05	1565	1750	-215	+175	4500	188	4644
FBAS 06	1565	2000	-215	+175	4500	202	5078
FBAS 07	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

Booms

	€ per m
Boom, smooth, 25 kg/m, produced lengths 1000 / 2000 / 3000 mm	159
Boom, galvanized, 25 kg/m, produced lengths 1000 / 2000 / 3000 mm	242

Platform edge preparation

See right-hand page

Surcharge for 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:

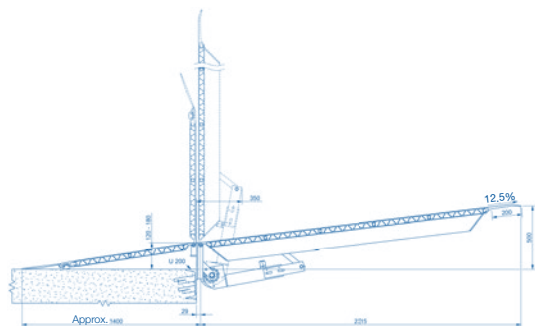
- Height differences bridgeable upwards and downwards
- Made of corrosion-resistant aluminium
- Available stationary or sideways shifting
- Counterbalance via a maintenance-free and wear-resistant spring system
- Guide system insusceptible to dirt
- Fitting and dismantling from front possible

Stationary

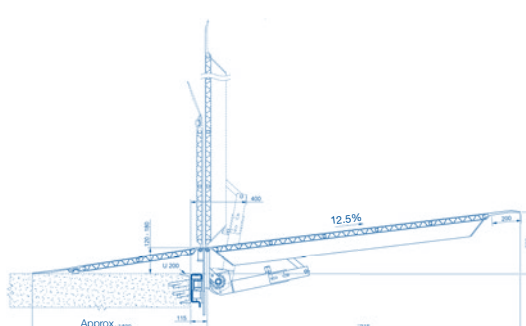
Type	Length (mm)	Width (mm)	Height difference H (mm)	Carrying capacity (daN / each)	Weight (kg / each)	€ each
FBTS	3700	1500	Choice of +430 or +460	4000	305	7422
FBTS	3700	1750	Choice of +430 or +460	4000	345	8116
FBTS	3700	2000	Choice of +430 or +460	4000	425	8870

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

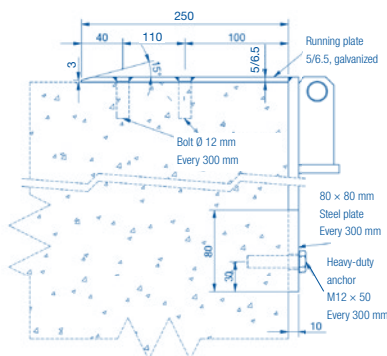


FBTV sideways shifting

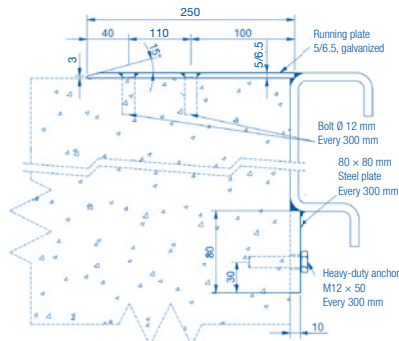
Booms	€ per m
Boom, smooth, 25 kg/m, produced lengths 1000 / 2000 / 3000 mm	159
Boom, galvanized, 25 kg/m, produced lengths 1000 / 2000 / 3000 mm	242
Platform edge preparation	€ per m
Platform edge preparation, galvanized, required for ramps without steel edges, weight 10 kg/m, consisting of galvanized 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 boom 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

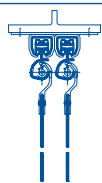
Flexible strip curtain

Transparent, clear

Aluminium support rail (natural finish), with clip suspension system for UPVC 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 rails

SVF

Fitting methods			Article number	Price per metre of rail									
1	Swing-aside	Aluminium rail, 60 mm, for fitting under the lintel by screw fitting including fixing clip and fixing material	269585		230								
2	Swing-aside	Aluminium rail, 60 mm, for fitting under the lintel with steel bracket for welding including fixing clip and fixing material	269584		230								
3	Swing-aside	Aluminium rail, 30 mm, for fitting in front of the lintel, for screw fitting or welding (price calculation = clear opening width + 2 overlaps in mm)	269581		230								
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		<table><tr><td>Single-track</td><td>386</td></tr><tr><td>Double-track</td><td>445</td></tr><tr><td>Triple-track</td><td>495</td></tr><tr><td>Quadruple-track</td><td>566</td></tr></table>	Single-track	386	Double-track	445	Triple-track	495	Quadruple-track	566
Single-track	386												
Double-track	445												
Triple-track	495												
Quadruple-track	566												
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		<table><tr><td>Single-track</td><td>386</td></tr><tr><td>Double-track</td><td>445</td></tr><tr><td>Triple-track</td><td>495</td></tr><tr><td>Quadruple-track</td><td>566</td></tr></table>	Single-track	386	Double-track	445	Triple-track	495	Quadruple-track	566
Single-track	386												
Double-track	445												
Triple-track	495												
Quadruple-track	566												
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		<table><tr><td>Single-track</td><td>881</td></tr><tr><td>Double-track</td><td>1083</td></tr><tr><td>Triple-track</td><td>1188</td></tr></table>	Single-track	881	Double-track	1083	Triple-track	1188		
Single-track	881												
Double-track	1083												
Triple-track	1188												

The total curtain width is divided into appropriate individual widths, with the number of roller devices corresponding to the number of individual widths.

The total curtain width is divided into appropriate individual widths, with the number of roller devices corresponding to the number of individual widths.

Single-track up to 6000 mm

Flexible strip curtain

Transparent, clear

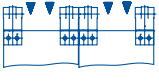
UPVC strips concave / convex, transparent, clear, with rounded edges, temperature-resistant from +8°C to +60°C *, material will break at: -35°C (according to DIN 53372)

UPVC strips

SVF

UPVC strips, material 200 x 2 mm

(Curtain width max. 10000 x 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	–

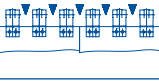
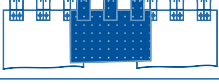
€ per m² opening area

	65	81	108
Art. no.	269642	269597	269596

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

UPVC strips, material 300 x 3 mm

(Curtain width max. 10000 x 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

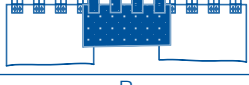
€ per m² opening area

	81	95	113	146
Art. no.	269594	269593	269592	269591

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

UPVC strips, material 400 x 4 mm

(Curtain width max. 10000 x 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

	108	115	142	156	199
Art. no.	269590	269589	269588	269587	269586

Material for multiple track version: (fitting method 4, 5 and 6): width + overlap x 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 x 3 mm **45 %**

UPVC 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 use outdoors (weathering) or in areas with high levels of humidity.

Single-leaf double-action door with flexible door leaf Transparent, clear

PTF, medium-weight industrial version

Application range:

Intended for interior use, forklifts in normal application

The door size 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 UPVC, transparent, clear, approx. 7 mm thick

Frame:

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

Actuation:

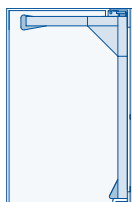
Manual, closing force adjustable up to 50 Nm

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

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	1099	1168	1234	1301	1392	1469	1536	1605	1674
	2875	1044	1104	1168	1234	1323	1392	1458	1527	1591
	2750	1024	1087	1149	1211	1295	1366	1429	1494	1550
	2625	967	1026	1087	1144	1225	1327	1386	1450	1506
	2500	948	1005	1067	1121	1203	1295	1356	1411	1469
	2375	934	987	1042	1094	1168	1268	1321	1372	1429
	2250	902	954	1005	1058	1133	1223	1273	1323	1378
	2125	890	936	983	1030	1104	1190	1239	1291	1338
	2000	863	911	960	1001	1072	1142	1187	1253	1299
		500	625	750	875	1000	1125	1250	1375	1500
		Door width								

Optional extras		Art. no.	Surcharge €	
Door leaves 7 mm thick, UPVC	For use in cold store areas , transparent, clear, temperature-resistant from -40°C to +40°C	269558	Per m ²	34
	Transparent, clear, with highly tear-resistant mesh insert	269563	Per m ²	87
	Coloured * (preferred colours based on RAL) with highly tear-resistant all-over woven inlays with vision fields / strips	269562	Per m ²	107
Door leaves 10 mm thick, UPVC	Transparent, clear, temperature-resistant from -20°C to +60°C	269561	Per m ²	87
	Transparent, clear, with highly tear-resistant mesh insert	269560	Per m ²	186
	Coloured * (preferred colours based on RAL) with highly tear-resistant all-over woven inlays with vision fields / strips	269559	Per m ²	210
Impact protection made of UPVC, on both sides	Transparent	Made of 3.0 mm UPVC	269556	Per m ² 270
	In RAL to choose *, with highly tear-resistant all-over woven inlay	Made of 3.5 mm UPVC	269554	Per m ² 459
Shimmed warning stripe, yellow / black, for impact protection, on both sides (only available in combination with impact protection)		269255	Per m	22
Magnetic hold-open device with bracket holder, galvanized		269553	Per leaf	82
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 74
		121 to 180 mm interior width	269551	Per m 102
		181 to 240 mm interior width	269550	Per m 124
	Reinforced version	60 to 120 mm interior width	269226	Per m 107
		60 × 10 mm	269227	Per m 30
		80 × 8 mm	269181	Per m 32
Door frame, 1- or 2-part	Made of flat profile	80 × 10 mm	269228	Per m 43
		80 × 45 mm	269229	Per m 84
		60 × 60 × 6 mm	269230	Per m 57
	Made of square tube	60 × 60 mm	269237	Per m 38

* 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-leaf double-action door with flexible door leaf Transparent, clear

PTF, medium-weight industrial version

Application range:

Intended for interior use, forklifts in normal application

The door size 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 UPVC, transparent, clear, approx. 7 mm thick

Frame:

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

Actuation:

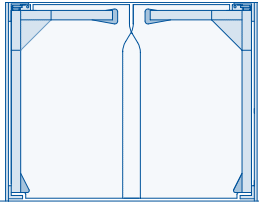
Manual, closing force adjustable up to 50 Nm

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

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	2084	2154	2237	2303	2374	2444	2509	2576	2688	2755	2827	2890	2963	3029	3097	3191	3258
	2875	2010	2076	2154	2219	2287	2350	2415	2479	2591	2656	2721	2787	2851	2957	3018	3112	3179
	2750	1974	2038	2116	2173	2237	2300	2365	2428	2531	2594	2658	2721	2778	2886	2949	3032	3097
	2625	1896	1953	2031	2093	2151	2241	2303	2362	2464	2525	2584	2642	2703	2816	2877	2954	3015
	2500	1856	1916	1990	2045	2101	2192	2250	2303	2407	2464	2520	2582	2634	2743	2800	2880	2932
	2375	1816	1870	1940	1994	2050	2138	2192	2243	2346	2396	2452	2506	2863	2666	2721	2795	2851
	2250	1768	1822	1886	1940	1990	2071	2122	2173	2272	2322	2374	2428	2476	2594	2647	2712	2767
	2125	1733	1780	1842	1894	1940	2019	2071	2122	2213	2260	2306	2362	2407	2520	2571	2637	2683
	2000	1689	1737	1795	1842	1892	1949	1994	2045	2138	2182	2250	2319	2340	2452	2501	2562	2611
		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, UPVC	For use in cold store areas , transparent, clear, temperature-resistant from -40°C to +40°C		Per m ² 34
	Transparent, clear, with highly tear-resistant mesh insert		Per m ² 87
	Coloured * (preferred colours based on RAL) with highly tear-resistant all-over woven inlays with vision fields / strips		Per m ² 107
Door leaves 10 mm thick, UPVC	Transparent, clear, temperature-resistant from -20°C to +60°C		Per m ² 87
	Transparent, clear, with highly tear-resistant mesh insert		Per m ² 186
	Coloured * (preferred colours based on RAL) with highly tear-resistant all-over woven inlays with vision fields / strips		Per m ² 210
Impact protection made of UPVC, on both sides	Transparent	Made of 3.0 mm UPVC	Per m ² 270
	In RAL to choose *, with highly tear-resistant all-over woven inlay	Made of 3.5 mm UPVC	Per m ² 459
Shimmed warning stripe, yellow / black, for impact protection, on both sides (only available in combination with impact protection), art. no. 269726		269255	Per m 22
Magnetic hold-open device with bracket holder, galvanized			Per leaf 82
2- or 3-part profile frame for fitting in partition walls or gas concrete	Standard version	60 to 120 mm interior width	Per m 74
		121 to 180 mm interior width	Per m 102
		181 to 240 mm interior width	Per m 124
	Reinforced version	60 to 120 mm interior width	Per m 107
Door frame, 1- or 2-part	Made of flat profile	60 × 10 mm	269227 Per m 30
		80 × 8 mm	269181 Per m 32
		80 × 10 mm	269228 Per m 43
	Made of U-profile	80 × 45 mm	269229 Per m 84
	Made of angle section	60 × 60 × 6 mm	269230 Per m 57
	Made of square tube	60 × 60 mm	269237 Per m 38

* 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

Single-leaf double-action door with flexible door leaf Transparent, clear

PTF, heavy industrial version

Application range:

Intended for interior use, forklifts in normal application

The door size 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 -30°C to +60°C (not suitable for use in cold store areas).

Leaf infill:

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

Frame:

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

Actuation:

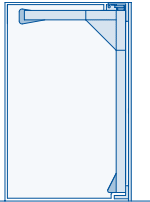
Manual, closing force adjustable up to 50 Nm

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

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	2543	2647	2748	2863								
	4250	2479	2576	2676	2787	2886							
	4000	2217	2300	2388	2494	2584	2674						
	3750	2154	2237	2319	2413	2501	2584						
	3500	2093	2167	2250	2340	2415	2501	2574					
	3250	1980	2053	2126	2213	2287	2362	2430	2681				
	3000	1832	1896	1969	2053	2118	2228	2297	2543				
	2750	1770	1834	1894	1972	2035	2143	2204	2444				
	2500	1668	1762	1816	1886	1947	2055	2113	2350				
	2250	1587	1668	1721	1786	1840	1953	2008	2237				
	2000	1517	1583	1629	1710	1759	1870	1916	2143				
		1000	1125	1250	1375	1500	1625	1750	1875	2000	2125	2250	2625
		Door width											

Prices on request

Optional extras		Art. no.	Surcharge €		
Door leaves 7 mm thick, UPVC	Transparent, clear, with highly tear-resistant mesh insert		Per m²	91	
	Coloured * (preferred colours based on RAL) with highly tear-resistant all-over woven inlays with vision fields / strips		Per m²	110	
Door leaves 10 mm thick, UPVC	Transparent, clear, temperature-resistant from –20°C to +60°C		Per m²	91	
	Transparent, clear, with highly tear-resistant mesh insert		Per m²	200	
	Coloured * (preferred colours based on RAL) with highly tear-resistant all-over woven inlays with vision fields / strips		Per m²	220	
Impact protection made of UPVC, on both sides	Transparent	Made of 3.0 mm UPVC	Per m²	270	
	In RAL to choose *, with highly tear-resistant all-over woven inlay	Made of 3.5 mm UPVC	Per m²	459	
Shimmed warning stripe, yellow / black, for impact protection, on both sides (only available in combination with impact protection)		269255	Per m	22	
Hook hold-open device with bracket holder		269546	Per leaf	203	
Door frame, 1- or 2-part	Made of flat profile	80 × 10 mm	269215	Per m	24
		100 × 10 mm	269183	Per m	36
		120 × 10 mm	269216	Per m	51
	Made of U-profile	80 × 45 mm	269218	Per m	68
		80 × 80 × 8 mm	269219	Per m	89
	Made of angle section	100 × 100 × 10 mm	269220	Per m	154
		80 × 80 mm	269221	Per m	65
	Made of square tube	100 × 100 mm	269222	Per m	80

* 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-leaf double-action door with flexible door leaf

Transparent, clear

PTF, heavy industrial version

Application range:

Intended for interior use, forklifts in normal application

The door size 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 -30°C to +60°C (not suitable for use in cold store areas).

Leaf infill:

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

Frame:

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

Actuation:

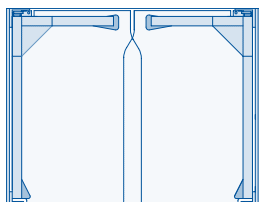
Manual, closing force adjustable up to 50 Nm

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

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	4884	5088	5295	5495								
	4250	4749	4943	5135	5334	5564							
	4000	4325	4504	4683	4857	5066	5503						
	3750	4196	4362	4531	4694	4894	5320						
	3500	4065	4224	4381	4533	4719	5140	5297					
	3250	3884	4028	4177	4325	4495	4907	5052	5200				
	3000	3633	3767	3901	4080	4239	4514	4650	4916				
	2750	3498	3622	3749	3917	4065	4327	4459	4710				
	2500	3361	3478	3592	3753	3891	4150	4265	4507				
	2250	3193	3300	3403	3572	3700	3936	4045	4274				
	2000	3042	3154	3254	3414	3524	3753	3850	4074				
		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, UPVC	Transparent, clear, with highly tear-resistant mesh insert		Per m²	91	
	Coloured * (preferred colours based on RAL) with highly tear-resistant all-over woven inlays with vision fields / strips		Per m²	110	
Door leaves 10 mm thick, UPVC	Transparent, clear, temperature-resistant from –20°C to +60°C		Per m²	91	
	Transparent, clear, with highly tear-resistant mesh insert		Per m²	200	
	Coloured * (preferred colours based on RAL) with highly tear-resistant all-over woven inlays with vision fields / strips		Per m²	220	
Impact protection made of UPVC, on both sides	Transparent	Made of 3.0 mm UPVC	Per m²	270	
	In RAL to choose *, with highly tear-resistant all-over woven inlay	Made of 3.5 mm UPVC	Per m²	459	
Shimmed warning stripe, yellow / black, for impact protection, on both sides (only available in combination with impact protection)		269255	Per m	22	
Hook hold-open device with bracket holder			Per leaf	203	
Door frame, 1- or 2-part	Made of flat profile	80 × 10 mm	269215	Per m	24
		100 × 10 mm	269183	Per m	36
		120 × 10 mm	269216	Per m	51
	Made of U-profile	80 × 45 mm	269218	Per m	68
		80 × 80 × 8 mm	269219	Per m	89
		100 × 100 × 10 mm	269220	Per m	154
	Made of angle section	80 × 80 mm	269221	Per m	65
		100 × 100 mm	269222	Per m	80
	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

Notes and sketches

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.

