

Industrial price list 06-23

Valid from 01.06.2023

ShopRoller, rolling shutters and rolling grilles

Made of steel and aluminium

Operators and controls

HÖRMANN

Hörmann international sales companies and sales partners



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Hörmann international sales companies

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Hörmann international sales companies

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Armenia	Cambodia	Israel	Moldova	Peru	Uruguay
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Azerbaijan	Colombia	Kosovo	Montenegro	Taiwan	

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

Our General terms and conditions of sale and delivery valid at the time of the order apply.

The current version of our General terms and conditions of sale and delivery is available on our website: www.hoermann.com/en/gtc

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We think green.

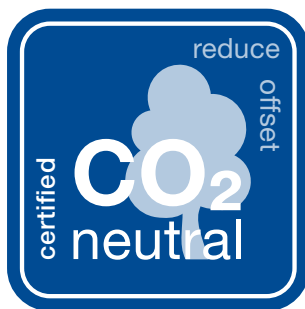
Hörmann leads by example: We use green electricity to cover 100 % of our electricity requirements at all European production sites. Together with an intelligent and certified energy management system, the use of recycled paper, the saving and upcycling of packaging and the recycling of reusable materials, this saves over 75000 tons of CO₂ each year. Additionally, we offset the remaining unavoidable emissions generated during our production of products for residential construction by supporting renewable energy, forest protection and reforestation projects in cooperation with ClimatePartner.



You can find all information and many videos at www.hormann.co.uk/company/environment



WE ACT GREEN. Our climate protection strategy is based on the annual calculation of the CO₂ balance at our sites, which includes the products manufactured there. And we have been reducing our emissions wherever possible for years. This means we are taking various steps, big and small, to reduce our carbon footprint. We offset the remaining CO₂ emissions through climate protection projects. This makes us the first and only construction component manufacturer to offer CO₂-neutral garage doors, entrance doors and residential internal doors.



As standard

For all garage doors, operators, entrance doors, residential internal doors, steel frames, steel doors for residential construction as well as storage space systems



ClimatePartner
certified product
climate-id.com/XNEBKC



CO₂
measure
reduce
contribute

ShopRoller SR

Curtain:

SR65-R, SR65-R23, SR65-7, SR65-V with pull-out protection, anodised E6/C-0

Support bracket:

Steel, galvanized

Booms:

FS 110 × 42 and FS 110 × 100: aluminium side guides with guide channel, extruded, anodised in E6/C-0, boom slider profile

Bottom profile:

Extruded aluminium, double-skinned, anodised E6/C-0

Fixing material:

Tested and approved for steel, concrete, brickwork and timber

Wind load:

Wind load class 2 (EN 12424) up to 5750 mm door width

Galvanized barrel as standard.

Tubular operator:

230 V, 50 Hz, protection category IP 44, 4 KB

Operator

Tubular operator

- With separate catch safety device
- 1-phase current 230 V, 50 Hz
- Protection category IP 44
- Emergency operation with sunblind pole
- Key switch optionally with ESU 30 or ESA 30
- Press-and-hold operation
- Temperature range – 10°C to + 40°C

Notices:

- For interior use and in sheltered outdoor areas.
 - Does not work if covered in ice or snow!
-

Rolling shutters

Product description for standard equipment

Rolling shutter SB		
Door curtain: Decotherm S, HR 120 A, HR 120 aero, as standard with wind locks	Fixing material: Tested and approved for steel, concrete, brickwork, timber	Manually operated (standard)
Support brackets: Steel, galvanized	Counterbalance: Tension springs	Shaft operator (optional): • WA 250 R S4 or WA 300 R S4 with integrated control • WA 300 R S4 with external control 360 • WA 300 AR S4 with external control 300 • WA 300 AR S4 with external control 360
Booms: FS 160 A: aluminium boom with guide channel, extruded, boom slider profile and brush seal	Wind load: Decotherm S standard wind load class 4 (EN 12424) HR 120 A standard wind load class 2 (EN 12424) HR 120 aero standard wind load class 2 (EN 12424)	
Bottom profile: Extruded aluminium, double-skinned		
Seals: Bottom seal made of EPDM profile, optional lintel seal	Galvanized barrel as standard.	

Rolling shutter TGT (underground garage rolling shutter)		
Door curtain: Decotherm S, as standard with wind locks	Counterbalance: Tension springs	Shaft operator: • WA 300 R S4 with integrated control (standard) • WA 300 R S4 with external control 360 (optional) • WA 300 AR S4 with external control 300 (optional) • WA 300 AR S4 with external control 360 (optional)
Support brackets: Steel, galvanized	Wind load: Decotherm S standard wind load class 4 (EN 12424)	
Booms: FS 160 A: aluminium boom with guide channel, extruded, boom slider profile and brush seal	Galvanized barrel as standard.	
Bottom profile: Extruded aluminium, double-skinned		
Seals: Bottom seal made of EPDM profile, optional lintel seal		Important notice: Meeting acoustic insulation requirements as per DIN 4109 requires acoustic planning and execution of the building structure, in particular the fitting area of the door system. The door system alone cannot meet the requirements.
Fixing material: Tested and approved for steel, concrete, brickwork, timber		

Rolling shutter DD		
Door curtain: Decotherm S, HR 120 A, HR 120 aero	Fixing material: Tested and approved, adjusted to steel, optionally available for other building structures	Direct drive operator: 3-phase current 400 V, 50 Hz, protection category IP 65, integral catch safety device, SMA, AWG, temperature range –20°C to +40°C
Support brackets: Steel, galvanized	Wind load: Standard wind load class 2 (EN 12424), for deviations see the door price tables. Decotherm S as standard with wind locks	Control: 445 R (press-and-hold), control voltage 24 V, protection category IP 65, plug-in type operator and control cables, CEE plug
Booms: FS 80 A: aluminium booms with guide channel, extruded, boom slider profile, brush seal	Galvanized barrel as standard.	
Bottom profile: Extruded aluminium, double-skinned		
Seals: Bottom seal made of EPDM profile, lintel seal		

Rolling grilles

Product description for standard equipment

Rolling grille SB

Door curtain:

HG-L with pull-out protection

Support brackets:

Steel, galvanized

Booms:

FS 160 A: aluminium boom with guide channel, extruded, boom slider profile and brush seal

Bottom profile:

Extruded aluminium, double-skinned

Seals:

Bottom seal made of EPDM profile

Fixing material:

Tested and approved for steel, concrete, brickwork, timber

Counterbalance:

Tension springs

Galvanized barrel as standard.

Manually operated (standard)**Shaft operator (optional):**

- WA 250 R S4 or WA 300 R S4 with integrated control
- WA 300 R S4 with external control 360
- WA 300 AR S4 with external control 300
- WA 300 AR S4 with external control 360

Rolling grille TGT (underground garage rolling grille)

Door curtain:

HG-L with pull-out protection

Support brackets:

Steel, galvanized

Booms:

FS 160 A: aluminium boom with guide channel, extruded, boom slider profile and brush seal

Bottom profile:

Extruded aluminium, double-skinned

Seals:

Bottom seal made of EPDM profile

Fixing material:

Tested and approved for steel, concrete, brickwork, timber

Counterbalance:

Tension springs

Galvanized barrel as standard.

Shaft operator:

- WA 300 R S4 with integrated control (standard)
- WA 300 R S4 with external control 360 (optional)
- WA 300 AR S4 with external control 300 (optional)
- WA 300 AR S4 with external control 360 (optional)

Important notice:

Meeting acoustic insulation requirements as per DIN 4109 requires acoustic planning and execution of the building structure, in particular the fitting area of the door system. The door system alone cannot meet the requirements.

Rolling grilles DD

Door curtain:

HG-L, HG-V, HG-S with pull-out protection

Support bracket:

Steel, galvanized

Booms:

FS 80 A: aluminium boom with guide channel, extruded, boom slider profile

Bottom profile:

Extruded aluminium, double-skinned

Seals:

Bottom seal made of EPDM profile

Fixing material:

Adjusted to steel, optionally available for other building structures

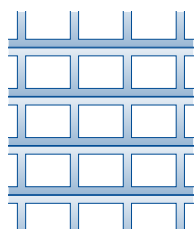
Galvanized barrel as standard.

Standard direct drive operator:

3-phase current 400 V, 50 Hz, protection category IP 65, integral catch safety device, SMA, AWG, temperature range –20°C to +40°C.

Control:

445 R (press-and-hold), control voltage 24 V, protection category IP 65, plug-in type operator and control cables, CEE plug



ShopRoller SR65-R

Anodised aluminium E6/C-0
with 60 × 44 mm square perforation

Price incl. tubular operator and key switch
(press-and-hold operation)

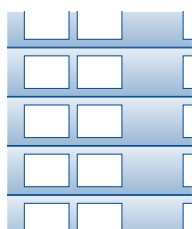
Details on standard and special versions:

- As standard with pull-out protection
- Galvanized barrel as standard
- For door technology see page 6
- For special equipment see page 17

Door height	4500	4972	5127	5351	5433	5546	6573	6903	7208	7418	7723	8025	8356	8527	8578	8687	8740	8800	8886	9139	9392	
	4250	4764	5064	5282	5311	5453	6282	6577	6885	7086	7375	7661	7977	8129	8211	8322	8398	8409	8485	8725	8966	
	4000	4557	4840	4972	5088	5217	5991	6270	6543	6733	7026	7298	7455	7530	7611	7697	7784	7858	8084	8311	8539	
	3750	4366	4617	4763	4865	4981	5701	5964	6221	6401	6659	6934	7218	7332	7407	7498	7555	7626	7683	7897	8112	
	3500	4190	4393	4553	4643	4746	5410	5657	5898	6068	6310	6550	6838	6934	7054	7126	7228	7291	7381	7483	7685	
	3250	4043	4236	4370	4449	4542	5164	5399	5627	5788	6018	6245	6501	6601	6692	6735	6788	6853	6942	7133	7325	
	3000	3443	3624	3761	3899	3979	4449	4668	4880	5031	5245	5457	5697	5855	5946	6021	6199	6344	6520	6698	6877	
	2750	3296	3465	3521	3635	3773	4189	4391	4587	4727	4927	5122	5346	5486	5533	5668	5733	5955	6119	6284	6450	
	2500	2992	3145	3213	3266	3328	3750	3933	4110	4235	4415	4592	4796	4912	4977	5033	5047	5548	5699	5851	6024	
	2250	2846	2910	2944	3001	3045	3538	3656	3817	3932	4097	4257	4446	4544	4636	4697	4701	5159	5297	5437	5577	
800	1000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5250	5500	5750	6000	6250	6500	6750	7000	
Door width																						

Notices:

- The minimum door width is 960 mm and the minimum door height is 800 mm. The lowest grid price for each height and width applies.
- For interior use and in sheltered outdoor areas. Does not work if covered in ice or snow!



ShopRoller SR65-R23

Anodised aluminium E6/C-0

With 60 × 44 mm square perforation,
2 of 3 cut-outs are made

Price incl. tubular operator and key switch
(press-and-hold operation)

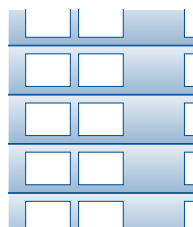
Details on standard and special versions:

- As standard with pull-out protection
- Galvanized barrel as standard
- For door technology see page 6
- For special equipment see page 17

Door height	4500	4927	5239	5477	5755	6044	6355	6650	6940	7339	7645	7940	8266	8568	8747	9010	9299	9593	9882		
	4250	4722	5019	5244	5507	5781	6059	6358	6633	7011	7301	7581	7891	8178	8348	8596	8870	9149	9423	9701	
	4000	4517	4798	5012	5259	5518	5781	6046	6325	6682	6957	7222	7517	7788	7950	8182	8441	8705	8964	9227	9490
	3750	4329	4577	4779	5012	5255	5504	5754	5999	6354	6613	6863	7142	7398	7551	7768	8012	8261	8505	8753	9001
	3500	4155	4356	4546	4763	4992	5227	5462	5692	6006	6269	6503	6767	7007	7152	7354	7583	7816	8045	8278	8511
	3250	4010	4201	4346	4551	4768	4992	5214	5432	5729	5961	6202	6453	6681	6818	7008	7225	7446	7663	7883	8104
	3000	3413	3592	3718	3880	4082	4291	4499	4702	4977	5193	5400	5636	5865	5994	6168	6370	6981	7183	7388	7594
	2750	3269	3436	3553	3690	3849	4044	4236	4424	4679	4879	5070	5291	5487	5608	5783	5970	6537	6724	6914	7104
	2500	2967	3118	3224	3345	3477	3620	3793	3962	4191	4372	4544	4746	4923	5238	5382	5554	6093	6265	6439	6615
	2250	2823	2963	3060	3169	3290	3421	3530	3684	3892	4058	4214	4401	4562	4869	4997	5154	5629	5786	5965	6125
	800																				
	1000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5250	5500	5750	6000	6250	6500	6750	7000
	Door width																				

Notices:

- The minimum door width is 960 mm and the minimum door height is 800 mm. The lowest grid price for each height and width applies.
- For interior use and in sheltered outdoor areas. Does not work if covered in ice or snow!



ShopRoller SR65-R23 RC 2 *

Anodised aluminium E6/C-0

With 60 × 44 mm square perforation,
2 of 3 cut-outs are made

Price incl. tubular operator and key switch
(press-and-hold operation)

Details on standard and special versions:

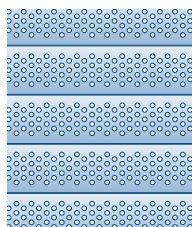
- As standard with pull-out protection
- Galvanized barrel as standard
- For door technology see page 6
- For special equipment see page 17

* Tested in accordance with DIN EN 1627 and DIN/TS 18194

Door height	Door width																		
	1000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5250	5500	5750	6000	6250	6500
4500	6377	6756	7049	7388	7742	8120	8479	8832	9504	9889	10262	10670	11046	11286	11621				
4250	6124	6485	6764	7086	7422	7761	8125	8460	9107	9474	9829	10219	10578	10808	11125	11473			
4000	5871	6214	6479	6783	7102	7424	7748	8089	8775	9128	9468	9844	10188	10410	10713	11047	11388	11722	
3750	5637	5942	6193	6480	6781	7087	7393	7694	8378	8713	9035	9393	9720	9932	10217	10534	10857	11174	11495
3500	5421	5671	5908	6177	6461	6750	7039	7323	7982	8299	8604	8944	9253	9454	9722	10021	10327	10626	10930
3250	5218	5457	5642	5897	6167	6443	6718	6988	7563	7861	8148	8470	8762	8953	9203	9485	9773	10055	10341
3000	4533	4758	4920	5125	5378	5638	5895	6147	7079	7379	7648	7952	8226	8408	8640	8904	9243	9507	9775
2750	4351	4562	4715	4890	5093	5336	5575	5810	6683	6945	7216	7503	7759	7930	8145	8391	8713	8960	9210
2500	4169	4366	4509	4671	4848	5034	5256	5473	6350	6598	6835	7127	7368	7532	7732	7964	8271	8504	8740
2250	3987	4171	4304	4452	4616	4788	4936	5136	5954	6184	6403	6657	6881	7054	7236	7452	7741	7957	8175
800																			

Notices:

- The minimum door width is 960 mm and the minimum door height is 800 mm. The lowest grid price for each height and width applies.
- For interior use and in sheltered outdoor areas. Does not work if covered in ice or snow!



ShopRoller SR65-7

Anodised aluminium E6/C-0
With 7 mm round perforation

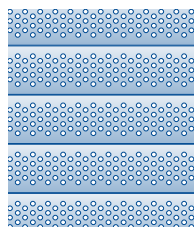
Price incl. tubular operator and key switch
(press-and-hold operation)

Details on standard and special versions:

- As standard with pull-out protection
- Galvanized barrel as standard
- For door technology see page 6
- For special equipment see page 17

Door height	4500	4498	5177	5475	5767	5928	6303	6595	6886	7178	7586	7885	8212	8510	8809	8968					
	4250	4315	4957	5240	5622	5889	6026	6303	6579	6856	7243	7526	7837	8120	8404	8505	8643	8894			
	4000	4132	4737	5004	5296	5531	5749	6011	6272	6534	6899	7167	7462	7730	7818	7915	7988	8054	8107	8338	
	3750	3966	4517	4769	5070	5292	5453	5719	5965	6212	6556	6808	7087	7340	7487	7515	7545	7577	7700	7918	
	3500	3814	4297	4533	4844	5052	5176	5408	5658	5889	6212	6448	6712	6950	7006	7088	7124	7172	7293	7498	7703
	3250	3684	4143	4333	4549	4746	4941	5162	5380	5618	5924	6148	6399	6624	6765	6814	6856	6901	6950	7144	7339
	3000	3122	3547	3714	3908	4019	4255	4460	4664	4867	5168	5376	5612	5822	6030	6206	6348	6458	6523	6704	6886
	2750	2999	3390	3545	3768	3881	4006	4196	4385	4574	4836	5029	5266	5460	5653	5732	5838	5949	6116	6284	6452
	2500	2722	3076	3216	3317	3335	3587	3758	3928	4098	4335	4509	4710	5082	5275	5322	5439	5555	5709	5864	6019
	2250	2599	2920	3047	3162	3270	3386	3495	3649	3804	4019	4178	4363	4720	4882	5066	5139	5161	5302	5443	5585
	800																				
	1000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5250	5500	5750	6000	6250	6500	6750	7000
	Door width																				

- Notices:
- The minimum door width is 960 mm and the minimum door height is 800 mm. The lowest grid price for each height and width applies.
 - For interior use and in sheltered outdoor areas. Does not work if covered in ice or snow!



ShopRoller SR65-7 RC 2 *

Anodised aluminium E6/C-0

With 7 mm round perforation

Price incl. tubular operator and key switch
(press-and-hold operation)

Details on standard and special versions:

- As standard with pull-out protection
- Galvanized barrel as standard
- For door technology see page 6
- For special equipment see page 17

* Tested in accordance with DIN EN 1627 and DIN/TS 18194

Door height	4500	5965	6784	7153	7292	8126	8183	8545	8906	9455	9965	10348	10763	11142								
	4250	5734	6510	6861	7040	7121	7841	8185	8528	9058	9543	9908	10304	10666	11030							
	4000	5503	6235	6568	6711	6804	7499	7825	8150	8727	9192	9542	9924	10270	10620	10844						
	3750	5291	5960	6274	6430	6608	7133	7464	7772	8331	8771	9102	9465	9578	9616	9724	9873	10094				
	3500	5097	5685	5981	6151	6313	6792	7083	7395	7936	8350	8662	9007	9318	9416	9548	9620	9712	9889			
	3250	4911	5469	5710	5989	6138	6481	6757	7033	7517	7905	8200	8526	8819	8971	9045	9104	9369	9455	9630		
	3000	4254	4773	4987	5344	5578	5677	5935	6193	7054	7417	7693	8001	8276	8406	8525	8669	8786	8875	9118	9366	
	2750	4093	4572	4772	4951	5017	5368	5609	5849	6659	6996	7254	7544	7801	8058	8201	8255	8303	8379	8607	8839	
	2500	3932	4372	4558	4635	4796	5060	5283	5505	6308	6644	6887	7162	7405	7647	7754	7808	8132	8174	8265	8398	
	2250	3772	4172	4344	4401	4488	4808	4958	5161	5912	6204	6428	6704	6929	7153	7216	7271	7357	7467	7667	7871	
	800																					
	1000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5250	5500	5750	6000	6250	6500	6750	7000	
	Door width																					

Notices:

- The minimum door width is 960 mm and the minimum door height is 800 mm. The lowest grid price for each height and width applies.
- For interior use and in sheltered outdoor areas. Does not work if covered in ice or snow!

ShopRoller SR65-V

Anodised aluminium E6/C-0

With closed profile

Price incl. tubular operator and key switch
(press-and-hold operation)

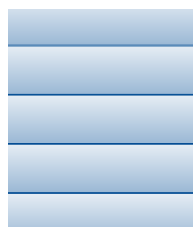
Details on standard and special versions:

- As standard with pull-out protection
- Galvanized barrel as standard
- For door technology see page 6
- For special equipment see page 17

Door height	4500	4470	4973	5271	5381	5511	6053	6333	6606	6881	7231	7511	7819	8099								
	4250	4289	4765	5030	5033	5277	5790	6056	6315	6576	6908	7173	7466	7732	7998							
	4000	4107	4556	4807	4812	5043	5527	5778	6023	6270	6584	6835	7114	7365	7617	7785	8012					
	3750	3942	4348	4584	4695	4809	5264	5502	5732	5965	6261	6498	6762	6999	7236	7319	7377	7430				
	3500	3791	4139	4361	4474	4556	5002	5224	5441	5660	5937	6159	6409	6632	6854	6915	6992	7039	7242	7444		
	3250	3663	3993	4170	4282	4354	4759	4989	5194	5402	5664	5875	6113	6324	6535	6601	6675	6710	6902	7094		
	3000	3103	3411	3566	3650	3712	4088	4285	4493	4686	4930	5126	5350	5547	5743	5861	6044	6300	6478	6657	6838	
	2750	2981	3265	3409	3488	3507	3854	4036	4214	4392	4635	4817	5026	5208	5390	5529	5794	5909	6075	6240	6408	
	2500	2706	2963	3093	3144	3168	3449	3613	3773	3934	4138	4302	4702	4870	5037	5192	5244	5518	5671	5823	5978	
	2250	2583	2818	2936	2986	3007	3262	3365	3510	3657	3843	3992	4169	4515	4684	4755	4894	5128	5267	5407	5548	
800																						
		1000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5250	5500	5750	6000	6250	6500	6750	7000
		Door width																				

Notices:

- The minimum door width is 960 mm and the minimum door height is 800 mm. The lowest grid price for each height and width applies.
- For interior use and in sheltered outdoor areas. Does not work if covered in ice or snow!



ShopRoller

SR65-V RC 2 *

Anodised aluminium E6/C-0

With closed profile

Price incl. tubular operator and key switch
(press-and-hold operation)

Details on standard and special versions:

- As standard with pull-out protection
- Galvanized barrel as standard
- For door technology see page 6
- For special equipment see page 17

* Tested in accordance with DIN EN 1627 and DIN/TS 18194

Door height	4500	5783	6379	6739	6937	7049	7690	8029	8360	8880	9311	9663									
	4250	5560	6125	6447	6467	6765	7373	7695	8010	8513	8923	9258	9625								
	4000	5336	5870	6176	6198	6481	7056	7361	7660	8205	8598	8920	9273	9592							
	3750	5131	5615	5904	5906	6196	6737	7027	7309	7838	8210	8515	8852	9155	9459						
	3500	4943	5361	5633	5638	5890	6420	6693	6959	7472	7823	8112	8431	8718	9006	9382	9545				
	3250	4762	5160	5379	5385	5625	6108	6389	6642	7083	7414	7685	7988	8258	8530	8625	8773	8830	9080		
	3000	4125	4496	4690	4769	4893	5342	5585	5840	6651	6961	7216	7502	7756	8011	8125	8259	8365	8600	8835	
	2750	3970	4313	4495	4564	4642	5058	5284	5504	6285	6574	6812	7082	7319	7557	7603	7709	7901	8121	8340	
	2500	3814	4131	4301	4375	4429	4773	4983	5187	5976	6248	6473	6729	6954	7178	7225	7331	7510	7718	7926	8139
	2250	3659	3949	4106	4186	4229	4544	4682	4870	5591	5861	6069	6308	6517	6725	6893	6984	7046	7238	7431	7630
	800																				
	1000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5250	5500	5750	6000	6250	6500	6750	7000
	Door width																				

Notices:

- The minimum door width is 960 mm and the minimum door height is 800 mm. The lowest grid price for each height and width applies.
- For interior use and in sheltered outdoor areas. Does not work if covered in ice or snow!

ShopRoller SR65-V RC 3 *

Anodised aluminium E6/C-0

With closed profile

Price incl. tubular operator and key switch
(press-and-hold operation)

Details on standard and special versions:

- As standard with pull-out protection
- Galvanized barrel as standard
- For door technology see page 6
- For special equipment see page 17

* Tested in accordance with DIN EN 1627 and DIN/TS 18194

Door height	4500	6938	7678	8094	8110	8496	9264	9680	10086	10497	11006	11422	
	4250	6672	7351	7773	7791	8159	8888	9284	9671	10063	10548	10944	11377
	4000	6444	7094	7500	7519	7872	8571	8951	9322	9699	10164	10544	10962
	3750	6201	6793	7153	7200	7536	8194	8555	8908	9265	9705	10066	10463
	3500	5979	6492	6832	6857	7200	7820	8161	8494	8832	9248	9588	9966
	3250	5730	6211	6485	6512	6812	7418	7740	8054	8372	8763	9084	9442
	3000	5434	5882	6127	6221	6403	6944	7269	7564	7862	8228	8530	8868
	2750	5211	5628	5858	5940	6067	6569	6852	7150	7429	7771	8052	8371
	2500	5024	5417	5636	5724	5826	6251	6518	6778	7064	7386	7651	7954
	2250	4801	5164	5367	5462	5551	5941	6124	6365	6609	6928	7174	7457
800	1000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000
Door width													

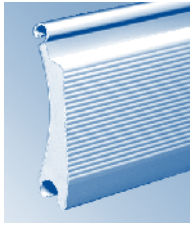
Notices:

- The minimum door width is 960 mm and the minimum door height is 800 mm. The lowest grid price for each height and width applies.
- For interior use and in sheltered outdoor areas. Does not work if covered in ice or snow!

Special equipment

ShopRoller SR

Article no.	Article	ShopRoller SR
Break-in-resistant locks		€
9800014	ABP 2 inside and outside, lockable bottom profile with profile cylinder 31.5/33.5 mm	Unit(s) 357
9800624	ABP 1 inside, lockable bottom profile with profile cylinder 35.5/10 mm	Unit(s) 357
9801386	Shootbolt SR	Unit(s) 54
RC versions, barrel side		€
9801118	RC 2 version, barrel side	Each 688
9801119	RC 3 version, barrel side	Each 829
Closed floor section		€
9801135	Closed floor section with SR65-V profile – max. 20 units	Per running metre section height 271
Self-supporting construction		€
9702520	Ceiling fitting support bracket set SR 4500	Per set 602
9801388	FTK SR self-supporting construction – ground fitting	Each 174
Booms		€
9801130	FS 110 × 100 aluminium boom	Per running metre door height 118
Boom accessories		€
9801384	Spacers set for FS 110 × 42 (50 units)	Per set 32
9801385	Spacers set for FS 110 × 100 (50 units)	Per set 56
Special bottom profile		€
9801270	Reinforced bottom profile 55 mm without bottom profile rubber Only in conjunction with booms FS 110 × 100!	Per running metre door width 161
Bottom profile rubber		€
9800549	Bottom profile rubber as an optional extra, required headroom + 30 mm, not for retrofitting!	Per running metre door width 19,80
// NEW Curtain cover PVSR		€
9801273	Galvanized sheet steel up to ≤ 3000 mm door width	Each 821
9801274	Galvanized sheet steel > 3000 mm to max. 6000 mm door width	Each 1057
9801799	Groove sealing strip for PV DD, PV SB and PV TGT and PVSR, 15 mm × 8 m	Each 32
// NEW Fascia panel SR		€
9801275	Galvanized sheet steel up to ≤ 3000 mm door width	Each 304
9801276	Galvanized sheet steel > 3000 mm to max. 6000 mm door width	Each 639
9801277	Surcharge for version in RC 2/RC 3, opposite barrel side	Each 238
Additional posts		See page 50
Key switches, each with 3 keys		€
9801115	STUP 50 Key switch (recessed, with 2 m connecting lead, 2-wire)	Each 64
9801116	STAP 50 Key switch (surface-mounted, with 2 m connecting lead, 2-wire)	Each 69
Emergency operation		€
9801110	Front side emergency operation SR tubular operator	Each 250



Rolling shutter Decotherm S SB

Galvanized steel without colour coating

Double-skinned, PU-foamed

Manually operated rolling shutters with counterbalance via tension springs

Optionally with shaft operator WA 250 R S4, WA 300 R S4 or WA 300 AR S4 with controls

**Benefit from the advantages
of the operator WA 300 AR**

Details on standard and special versions:

- Galvanized barrel as standard.
- Door technology from page 7
- Special equipment from page 22
- Standard colours, preferred colours and special colours from page 48
- Operators and controls from page 51

Notice on galvanized surfaces without colour coating:

Colour deviations are to be expected on galvanized surfaces. However, this does not constitute grounds for a complaint.

With optional operator WA 300 R S4 and WA 300 AR S4:

☐ No SKS required for impulse operation

☐ SKS required for impulse operation

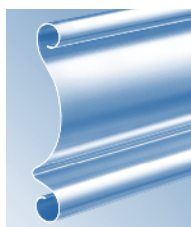
Surcharge for coil coating
In RAL 9002 or RAL 9006 Per m² **27 €**

Separate fitting (article no. 9800636) Per door **151 €**

Notices:

- A chain hoist must be used from a door height of 3500 mm
- Minimum door width 1000 mm
- Minimum door height 2000 mm
- For the minimum door width of 1000 mm and the minimum door height of 2000 mm, the lowest grid price for each height or width applies
- Window elements from 1300 mm door width

Door height	Door width											
	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000
4500	2328	2525	2653	2956	3117	3258	3423	3551	3723	3855	3983	4110
4250	2404	2465	2546	2839	2993	3128	3286	3437	3573	3698	3818	3940
4000	2272	2373	2455	2738	2886	3016	3168	3314	3445	3565	3680	3796
3750	2204	2272	2401	2642	2763	2887	3033	3172	3296	3409	3518	3627
3500	2094	2187	2366	2477	2592	2694	2833	2957	3078	3183	3299	3402
3250	2025	2126	2290	2370	2464	2562	2689	2806	2923	3024	3121	3218
3000	1958	2017	2211	2287	2360	2433	2554	2664	2775	2868	2959	3050
2750	1862	1934	2098	2160	2228	2283	2371	2458	2571	2657	2742	2827
2500	1784	1859	2003	2062	2131	2183	2253	2307	2400	2482	2561	2640
2250	1717	1797	1924	1979	2044	2093	2158	2209	2278	2328	2399	2472



Rolling shutter HR 120 A SB

Bright-rolled aluminium Single-skinned

Manually operated rolling shutters with counterbalance via tension springs

Optionally with shaft operator WA 250 R S4, WA 300 R S4 or WA 300 AR S4 with controls

**Benefit from the advantages
of the operator WA 300 AR**

Notices:

- A chain hoist must be used from a door height of 3500 mm
- Minimum door width 1750 mm
- Minimum door height 2000 mm
- For the minimum door width of 1750 mm and the minimum door height of 2000 mm the lowest grid price for each height or width applies

Details on standard and special versions:

- Galvanized barrel as standard.
- Door technology from page 7
- Special equipment from page 22
- Standard colours, preferred colours and special colours from page 48
- Operators and controls from page 51

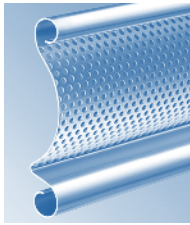
With optional operator WA 300 R S4 and WA 300 AR S4:



SKS required for impulse operation

Surcharge for coil coating
Outside in RAL 9002 or RAL 9006,
Basalt grey protective paint RAL 7012 inside Per m² **36 €**

Door height	4500	2718	2932	3114	3325	3516	3699	3879	4061	4252	4433	4780	4981
	4250	2618	2824	2999	3201	3384	3560	3732	3906	4089	4263	4598	4791
	4000	2493	2689	2854	3046	3218	3383	3545	3708	3882	4200	4365	4548
	3750	2408	2582	2738	2923	3087	3244	3398	3553	3719	4027	4183	4358
	3500	2312	2415	2581	2727	2881	3030	3174	3332	3487	3754	3928	4073
	3250	2225	2323	2449	2587	2733	2877	3013	3151	3299	3567	3721	3858
	3000	2151	2245	2357	2463	2602	2738	2866	2996	3136	3393	3539	3668
	2750	2036	2122	2212	2298	2404	2537	2655	2775	2905	3142	3267	3386
	2500	1949	2030	2114	2196	2287	2377	2487	2691	2813	2939	3055	3167
	2250	1854	1927	2004	2079	2163	2244	2318	2493	2604	2720	2826	2927
		2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000
Door width													



Rolling shutter HR 120 aero SB

Bright-rolled aluminium Single-skinned

Manually operated rolling shutters with counterbalance via tension springs

Optionally with shaft operator WA 250 R S4, WA 300 R S4 or WA 300 AR S4 with controls

**Benefit from the advantages
of the operator WA 300 AR**

Notices:

- A chain hoist must be used from a door height of 3500 mm
- Minimum door width 1750 mm
- Minimum door height 2000 mm
- For the minimum door width of 1750 mm and the minimum door height of 2000 mm the lowest grid price for each height or width applies
- Available as external rolling shutter in a bright-rolled version
- Preferred colours and special colours not available

Details on standard and special versions:

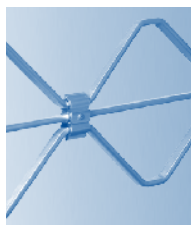
- Galvanized barrel as standard.
- Door technology from page 7
- Special equipment from page 22
- Standard colours from page 48
- Operators and controls from page 51

With optional operator WA 300 R S4 and WA 300 AR S4:

☐ SKS required for impulse operation

Surcharge for coil coating
Outside in RAL 9002 or RAL 9006,
Basalt grey protective paint RAL 7012 inside Per m² **41 €**

Door height	4000	2915	3105	3340	3532	3767	3959	4152	4346
	3750	2814	3018	3203	3386	3612	3795	3979	4163
	3500	2662	2821	2994	3164	3369	3540	3714	3886
	3250	2566	2712	2840	3023	3194	3356	3524	3687
	3000	2480	2620	2731	2876	3039	3191	3350	3504
	2750	2347	2475	2578	2682	2804	2945	3101	3242
	2500	2255	2367	2464	2562	2667	2763	2903	3035
	2250	2142	2246	2335	2422	2521	2608	2703	2805
		2250	2500	2750	3000	3250	3500	3750	4000
Door width									



Rolling grille HG-L SB

Bright-rolled aluminium
Honeycomb connections with crossbar

Manually operated rolling grilles with counterbalance via tension springs

Optionally with shaft operator WA 250 R S4, WA 300 R S4 or WA 300 AR S4 with controls

Incl. pull-out protection

Benefit from the advantages of the operator WA 300 AR

Notices:

- A chain hoist must be used from a door height of 3500 mm
 - Minimum door width 1000 mm
 - Minimum door height 2000 mm
 - For the minimum door width of 1000 mm and the minimum door height of 2000 mm, the lowest grid price for each height or width applies
- Details on standard and special versions:
- Galvanized barrel as standard.
 - Door technology from page 8
 - Special equipment from page 22
 - Special colours from page 49
 - Operators and controls from page 51

With optional operator WA 300 R S4 and WA 300 AR S4:

	No SKS required for impulse operation
	SKS required for impulse operation

Door height	4500	4995	5416	5802	6217	6603	6989	7374	7759	8143	8301	8667	9054	9875	10275	10660	11082
	4250	4759	5158	5521	5915	6278	6642	7005	7366	7729	7980	8330	8701	9368	9745	10109	10508
	4000	4584	4967	5314	5692	6039	6387	6735	7081	7428	7539	7867	8216	8544	9361	9708	10092
	3750	4348	4709	5034	5389	5714	6040	6365	6689	7014	7177	7489	7831	8143	8831	9156	9518
	3500	4153	4497	4807	5138	5447	5759	6068	6391	6700	6723	7030	7319	7612	8400	8745	9054
	3250	3908	4224	4511	4817	5104	5397	5684	5971	6258	6404	6694	6968	7245	7846	8162	8450
	3000	3737	4034	4305	4595	4867	5144	5416	5686	5958	6092	6182	6439	6692	7464	7764	8036
	2750	3506	3756	4005	4257	4506	4769	5019	5268	5517	5577	5687	5922	6151	6889	7164	7414
	2500	3287	3505	3709	3938	4165	4399	4626	4943	5170	5255	5352	5571	5784	6331	6557	6801
	2250	3135	3340	3529	3720	3928	4147	4358	4569	4866	5077	5133	5333	5545	5948	6159	6387
		2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5250	5500	5750	6000
		Door width															

Special equipment

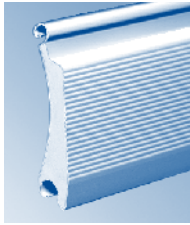
Rolling shutters SB and rolling grilles SB

Article no.	Article		Rolling shutters			Rolling grilles
			Decotherm S SB	HR 120 A SB	HR 120 aero SB	HG-L SB
Window and ventilation elements						
9800083	Window profiles Decotherm	Per running metre door width	52	–	–	–
9800084	Window profiles Decotherm, “logistics” version = 2 profiles each with 2 x 2 window elements	Per rolling shutter	177	–	–	–
9801140	Ventilation grille profiles Decotherm	Per running metre door width	65	–	–	–
9801141	Ventilation opening profile Decotherm	Per running metre door width	65	–	–	–
9800042	Window profiles HR 120	Per running metre door width	–	43	–	–
9800040	Window elements HR 120, “logistics” version	Per rolling shutter	–	104	–	–
Fascia panel						
9801924	SB fascia panel,	Up to door widths of 3000 mm	Unit(s)	304	304	304
9801925	galvanized sheet steel	From door widths of 3001 mm	Unit(s)	639	639	639
Fascia panel BST60 for rolling shutters						
- Aluminium frame anodised with natural finish E6/C-0 acc. to DIN 17611 - Minimum height: 300 mm, maximum height: 1300 mm, maximum width: 10000 mm (notice: two-part from 5000 mm width)						
9805507	Infill: rolling shutter laths	Up to 2 m² each	1146	1146	1146	–
9805501	Infill: galvanized steel, without colour coating, double-skinned, PU foamed	Every additional m²	573	–	–	–
9805503	Infill: bright-rolled aluminium, single-skinned	Every additional m²	–	573	–	–
9805503	Infill: bright-rolled aluminium, single-skinned, perforated	Every additional m²	–	–	573	–
Fascia panel BST60 for rolling grille						
- Aluminium frame anodised with natural finish E6/C-0 acc. to DIN 17611 - Minimum height: 300 mm, maximum height: 1300 mm, maximum width: 10000 mm (notice: two-part from 5000 mm width)						
9805511	Infill: bright-rolled aluminium, honeycomb connection with	Up to 2 m² each	–	–	–	1791
9805504	crossbar	Every additional m²	–	–	–	896
Side panel BSL60 for rolling shutters						
- Aluminium frame anodised with natural finish E6/C-0 acc. to DIN 17611 - Minimum width: 300 mm, maximum width: 1300 mm, maximum height: 10000 mm (notice: two-part from 5000 mm height)						
9805607	Infill: rolling shutter laths	Up to 2 m² each	1639	1639	1639	–
9805601	Infill: galvanized steel, without colour coating, double-skinned, PU foamed	Every additional m²	820	–	–	–
9805603	Infill: bright-rolled aluminium, single-skinned	Every additional m²	–	820	–	–
9805603	Infill: bright-rolled aluminium, single-skinned, perforated	Every additional m²	–	–	820	–
Side panel BSL60 for rolling grille						
- Aluminium frame anodised with natural finish E6/C-0 acc. to DIN 17611 - Minimum width: 300 mm, maximum width: 1300 mm, maximum height: 10000 mm (notice: two-part from 5000 mm height)						
9805611	Infill: bright-rolled aluminium, honeycomb connection	Up to 2 m² each	–	–	–	2126
9805604	with crossbar	Every additional m²	–	–	–	1063
9705220	Protection to exclude the possibility of reaching through for side panel with rolling grille infill	Per m²	–	–	–	321
Lintel seal						
9800036	Brush seal	Per running metre door width	36	36	36	–

Special equipment

Rolling shutters SB and rolling grilles SB

Article no.	Article		Rolling shutters			Rolling grilles
			Decotherm S SB	HR 120 A SB	HR 120 aero SB	HG-L SB
Trap guard PVSB up to 3000 mm door height						
9800013	Galvanized sheet steel up to 3000 mm curtain width	Unit(s)	465	465	465	465
9800052	Galvanized sheet steel from 3001 mm to 6000 mm curtain width	Unit(s)	648	648	648	648
Trap guard PVSB over 3000 mm door height						
9800872	Galvanized sheet steel up to 3000 mm curtain width	Unit(s)	821	821	821	821
9800873	Galvanized sheet steel from 3001 mm to 6000 mm curtain width	Unit(s)	1057	1057	1057	1057
9800647	Extension set PV SB / PV TGT	Per side	60	60	60	60
9801799	Groove sealing strip for PV DD, PV SB and PV TGT, 15 mm x 8 m	Unit(s)	32	32	32	32
Operator cover (only in conjunction with PVSB)						
9800904	VWA cover for shaft operator	Unit(s)	369	369	369	369
Break-in-resistant locks						
9800014	ABP 2 inside and outside, lockable bottom profile	Unit(s)	357	357	357	357
9800624	ABP 1 inside, lockable bottom profile	Unit(s)	357	357	357	357
9800038	Shootbolt SB (not for external rolling shutters and external rolling grilles)	Unit(s)	55	55	55	55
Actuation type						
9800034	Pull rod SB	Unit(s)	61	61	61	61
9800035	Chain hoist SB	Unit(s)	159	159	159	159
9800879	Chain tensioner for chain hoist	Unit(s)	206	206	206	206
Chamfered bottom profile						
9800676	Up to a max. 10 % height difference for the door width, single-skinned Notices: • HG-L SB minimum door width from 3000 mm up to 5800 mm • A chamfered bottom profile is not possible for HR 120 A SB!	Per running metre door width	340	–	–	340
Boom accessories						
9801240	AFA aluminium spring chamber cover with vision field	Per running metre door height	97	97	97	97
Boom fitting						
9800919	FS 160 angle fitting	Per running metre door height	182	182	182	182
Photocell mounting plate						
9801430	Photocell mounting plate set	Unit(s)	26	26	26	26
Protection against martens						
9800795	Protection against martens with HR 120 A bright-rolled profiles	Per running metre door width	–	–	–	70
External rolling shutter						
	Version as external rolling shutter / external rolling grille		No surcharge	No surcharge	No surcharge	No surcharge
	For the external rolling shutter, we recommend: • Trap guard PVSB • Operator cover VWA • Break-in-resistant lock ABP 2 • Spring chamber cover AFA		See above for surcharges			See above for surcharges
Additional posts						
See page 50						



Decotherm S TGT rolling shutter

**Galvanized steel
without colour coating**
Double-skinned, PU-foamed

Underground garage rolling shutters with counterbalance via tension springs, with WA 300 R S4 shaft operator with integrated control or optionally with WA 300 AR S4 with external control 300/360

**Benefit from the advantages
of the operator WA 300 AR**

Notices:

- Minimum door width 1000 mm
- Minimum door height 2000 mm
- For the minimum door width of 1000 mm and the minimum door height of 2000 mm, the lowest grid price for each height or width applies
- Window elements from 1300 mm door width

Notice on galvanized surfaces without colour coating:

Colour deviations are to be expected on galvanized surfaces. However, this does not constitute grounds for a complaint.

With operator WA 300 R S4:

☐ No SKS required for impulse operation

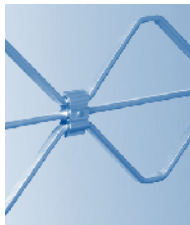
Surcharge for coil coating
In RAL 9002 or RAL 9006 Per m² **27 €**

Separate fitting (article no. 9800636) Per door **151 €**

Details on standard and special versions:

- Galvanized barrel as standard.
- Door technology from page 7
- Special equipment from page 26
- Standard colours, preferred colours and special colours from page 48
- Operators and controls from page 52

Door height	2400	3166	3235	3523	3601	3688	3757	3861	3924	4067	4175	4281	4387
	2250	3047	3292	3379	3452	3541	3605	3693	3761	3854	3921	4017	4116
		2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000
		Door width											



Rolling grille HG-L TGT

Bright-rolled aluminium
Honeycomb connections with crossbar

Underground garage rolling grilles with counterbalance via tension springs, with WA 300 R S4 shaft operator with integrated control or optionally with WA 300 AR S4 with external control 300 / 360

Incl. pull-out protection
Benefit from the advantages
of the operator WA 300 AR

Notices:

- Minimum door width 1000 mm
- Minimum door height 2000 mm
- For the minimum door width of 1000 mm and the minimum door height of 2000 mm, the lowest grid price for each height or width applies

Details on standard and special versions:

- Galvanized barrel as standard.
- Door technology from page 8
- Special equipment from page 26
- Special colours from page 49
- Operators and controls from page 52

With operator WA 300 R S4:

☐ No SKS required for impulse operation

Door height	2400	4399	4632	4840	5091	5323	5556	5788	6207	6446	6678	6912	7144	7404	7636	7872	8104
	2250	4223	4433	4625	4827	5041	5413	5628	5861	6077	6298	6519	6735	6968	7184	7402	7618
		2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5250	5500	5750	6000
		Door width															

Special equipment

Rolling shutters TGT and rolling grilles TGT

Article no.	Article		Rolling shutter Decotherm S TGT	Rolling grilles HG-L TGT	
Window and ventilation elements					
9800083	Window profiles Decotherm	Per running metre door width	52	–	
9800084	Window profiles Decotherm, “logistics” version = 2 profiles each with 2 x 2 window elements	Per rolling shutter	177	–	
9801140	Ventilation grille profiles Decotherm	Per running metre door width	65	–	
9801141	Ventilation opening profile Decotherm	Per running metre door width	65	–	
Fascia panel BST60 for rolling shutters					
• Aluminium frame anodised with natural finish E6/C-0 acc. to DIN 17611					
• Minimum height: 300 mm, maximum height: 1300 mm, maximum width: 10000 mm (notice: two-part from 5000 mm width)					
9805507	Infill: galvanized steel, without colour coating, double-skinned, PU foamed	Up to 2 m² each	1146	–	
9805501		Every additional m²	573	–	
Fascia panel BST60 for rolling grille					
• Aluminium frame anodised with natural finish E6/C-0 acc. to DIN 17611					
• Minimum height: 300 mm, maximum height: 1300 mm, maximum width: 10000 mm (notice: two-part from 5000 mm width)					
9805511	Infill: bright-rolled aluminium, honeycomb connection with crossbar	Up to 2 m² each	–	1791	
9805504		Every additional m²	–	896	
Side panel BSL60 for rolling shutters					
• Aluminium frame anodised with natural finish E6/C-0 acc. to DIN 17611					
• Minimum width: 300 mm, maximum width: 1300 mm, maximum height: 10000 mm (notice: two-part from 5000 mm height)					
9805607	Infill: galvanized steel, without colour coating, double-skinned, PU foamed	Up to 2 m² each	1639	–	
9805601		Every additional m²	820	–	
Side panel BSL60 for rolling grille					
• Aluminium frame anodised with natural finish E6/C-0 acc. to DIN 17611					
• Minimum width: 300 mm, maximum width: 1300 mm, maximum height: 10000 mm (notice: two-part from 5000 mm height)					
9805611	Infill: bright-rolled aluminium, honeycomb connection with crossbar	Up to 2 m² each	–	2126	
9805604		Every additional m²	–	1063	
9705220	Protection to exclude the possibility of reaching through for side panel with rolling grille infill	Per m²	–	321	
Lintel seal					
9800036	Brush seal	Per running metre door width	36	–	
Trap guard PVTGT up to 2400 mm door height					
9801250	Galvanized sheet steel up to 3000 mm curtain width	Unit(s)	465	465	
9801251	Galvanized sheet steel from 3001 mm to 6000 mm curtain width	Unit(s)	649	649	
9800647	Extension set PV SB / PV TGT	Per side	60	60	
9801799	Groove sealing strip for PV DD, PV SB and PV TGT, 15 mm x 8 m	Unit(s)	32	32	
Operator cover (only in conjunction with PVTGT)					
9801255	VWA cover for shaft operator	Unit(s)	369	369	
Fascia panel					
9801926	TGT fascia panel,	Up to door widths of 3000 mm	Unit(s)	304	304
9801927	galvanized sheet steel	From door widths of 3001 mm	Unit(s)	639	639
Break-in-resistant locks					
9800014	ABP 2 inside and outside, lockable bottom profile	Unit(s)	357	357	
9800624	ABP 1 inside, lockable bottom profile	Unit(s)	357	357	
Chamfered bottom profile					
9800676	Up to a max. 10 % height difference for the door width, single-skinned Notice: HG-L TGT minimum door width from 3000 mm up to 5800 mm.	Per running metre door width	340	340	

Special equipment

Rolling shutters TGT and rolling grilles TGT

Article no.	Article		Rolling shutter Decotherm S TGT	Rolling grilles HG-L TGT
Boom accessories				
9801240	AFA aluminium spring chamber cover with vision field	Per running metre door height	97	97
Boom fitting				
9800919	FS 160 angle fitting	Per running metre door height	182	182
Photocell mounting plate				
9801430	Photocell mounting plate set	Unit(s)	26	26
Protection against martens				
9800795	Protection against martens with HR 120 A bright-rolled profiles	Per running metre door width	–	70
External rolling shutter				
	Version as external rolling shutter / external rolling grille		No surcharge	No surcharge
	For the external rolling shutter, we recommend:			
	• Trap guard PVTGT • Operator cover VWA • Break-in-resistant lock ABP 2 • Spring chamber cover AFA		See above for surcharges	See above for surcharges
Additional posts			See page 50	



Rolling shutter Decotherm S DD

Galvanized steel
without colour coating

Double-skinned, PU-foamed

Door price includes direct drive operator and control 445 R

Details on standard and special versions:

- Galvanized barrel as standard.
- With wind locks as standard
- Door technology from page 7
- Special equipment from page 40
- Controls from page 58
- Direct drive operators from page 74

0000					Direct drive operator																	0000		Direct drive operator, accessory package S6 is possible in the specified size range. Note the surcharge!																
Door height	9000	7314	7646	8123	8457	8810	9139	11142	11472	11830	12164	12495	12824	13182	14215	14552	14884	15241	15576	15911	16240																			
	8750	7187	7512	7835	8306	8652	8973	10969	11291	11641	11968	12290	12612	12962	13282	14317	14641	14990	15318	15644	15966																			
	8500	6850	7409	7726	8191	8530	8845	9162	11149	11493	11813	12129	12444	12788	13101	13424	14446	14789	15111	15431	15745																			
	8250	6753	7304	7614	8070	8402	8709	9018	10998	11334	11646	11954	12262	12597	12903	13218	13527	14568	14882	15194	15501																			
	8000	6626	7170	7471	7775	8244	8543	8845	9145	11145	11449	11750	12050	12378	12676	12983	13284	14318	14623	14928	15227																			
	7750	6530	6826	7362	7659	8122	8414	8709	9003	10997	11294	11589	11882	12203	12495	12795	13090	13412	14416	14714	15006																			
	7500	6438	6726	7254	7544	7854	8283	8571	8857	9171	11133	11419	11704	12018	12302	12594	12882	13196	13487	14482	14767																			
	7250	6342	6624	7145	7428	7731	8155	8436	8715	9022	10978	11258	11536	11843	12121	12406	12687	12995	13279	13562	14546																			
	7000	5629	6089	6338	6589	7088	7335	7585	7833	8302	8554	8803	9050	9323	11308	11562	11811	12085	12338	12589	12837																			
	6750	5505	5748	6199	6442	6692	7173	7415	7655	8117	8360	8601	8841	9106	11083	11329	11571	11837	12082	12326	12566																			
	6500	5398	5632	6075	6311	6554	6786	7261	7494	7802	8183	8416	8648	8905	9137	11113	11347	11606	11843	12079	12311																			
	6250	5305	5533	5970	6198	6435	6660	7129	7355	7657	7886	8258	8483	8734	8959	9190	11156	11408	11639	11868	12093																			
	6000	4856	5418	5637	6068	6296	6514	6734	7194	7487	7709	7928	8291	8533	8751	8974	9193	11177	11399	11621	11839																			
	5750	4288	4843	5056	5480	5702	5912	6134	6587	6873	7088	7300	7656	7938	8148	8364	8577	8815	11195	11410	11622																			
	5500	4182	4388	4934	5141	5564	5767	5981	6185	6705	6911	7116	7319	7736	7939	8148	8353	8584	8792	11163	11366																			
	5250	4080	4278	4817	5015	5222	5626	5824	6029	6300	6739	6936	7132	7394	7734	7935	8132	8356	8556	8755	9082																			
	5000	3911	3955	4031	4203	4382	4892	5062	5231	5684	5856	6026	6194	6452	6862	7035	7205	7678	7862	8044	8369																			
	4750	3812	3899	3951	4080	4252	4413	4916	5078	5314	5687	5849	6010	6250	6419	6585	6988	7177	7629	7804	7976																			
	4500	3710	3865	3923	3955	4118	4271	4426	4921	5150	5305	5669	5823	6053	6206	6363	6527	6708	7393	7560	7724																			
	4250	3619	3768	3916	3938	4001	4148	4296	4444	5006	5156	5304	5660	5882	6028	6179	6336	6511	6948	7350	7507																			
	4000	3515	3656	3797	3821	3867	4005	4146	4286	4500	4983	5123	5262	5474	5822	5965	6105	6273	6424	6863	7013																			
	3750	3413	3546	3679	3812	3844	3864	3997	4129	4336	4469	4943	5075	5276	5408	5752	5885	6045	6180	6620	6762																			
	3500	3322	3449	3574	3701	3836	3851	3866	3993	4192	4319	4445	4912	5105	5230	5358	5484	5847	5975	6102	6544																			
	3250	3218	3338	3455	3574	3702	3820	3841	3899	4027	4146	4265	4382	4549	5007	5128	5246	5392	5513	5841	6275																			
	3000	3100	3211	3321	3432	3553	3662	3773	3884	3931	3958	4069	4178	4352	4461	4574	5026	5164	5277	5388	5498																			
	2750	3008	3113	3217	3322	3436	3539	3643	3747	3924	3926	3976	4015	4180	4283	4389	4493	4625	5072	5177	5280																			
	2500	2823	2920	3016	3113	3219	3315	3411	3507	3614	3711	3808	3867	3899	3921	4019	4115	4224	4322	4419	4514																			
	2250	2729	2819	2907	2996	3095	3182	3271	3359	3458	3547	3636	3724	3857	3872	3885	3903	4004	4094	4183	4271																			
		2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5250	5500	5750	6000	6250	6500	6750	7000																			
		Door width																																						

Notices:

- For the minimum door width of 1000 mm, the lowest grid price for each height or width applies.
- Window elements from 1300 mm door width

Notice on accessory package S6:

Accessory package S6 (from door height 2500 mm) only available with coil coating.

Notice on galvanized surfaces without colour coating:

Colour deviations are to be expected on galvanized surfaces. However, this does not constitute grounds for a complaint.

Surcharge for coil coating
In RAL 9002 or RAL 9006

Per m²

27 €

Surcharge for accessory package S6

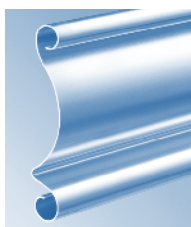
Per door

6925 €

Accessory package S6 contains:

- FU direct drive operator with digital limit switch
- Frequency converter control B 971 R S6 (see page 61)
- Light grille
- L-pads

	16717	17212	17552	17885	18787	19138	20188	20542	20920	21272	23263	23660	-	-	-	-	-	-	-	9000
	16435	16923	17255	17580	18537	18882	19230	20272	20643	20989	22974	23364	23809	-	-	-	-	-	-	8750
	16208	16689	17015	17333	18262	18599	18940	19280	20338	20676	22653	23035	23473	23858	-	-	-	-	-	8500
	15964	16437	16755	17066	17949	18278	18611	18943	19299	20324	20656	22667	23097	23474	23845	24216	-	-	-	8250
	15682	16147	16457	16761	17695	18018	18345	18670	19019	19343	20363	22368	22791	23162	23526	23890	24283	-	-	8000
	15455	15914	16217	16514	17421	17736	18055	18372	18713	19029	19347	22039	22455	22817	23174	23530	23915	24274	-	7750
	15208	15659	15954	16244	17164	17472	17785	18095	18430	18740	19051	21042	22145	22501	22851	23201	23579	23931	24289	7500
	14981	15425	15714	15997	16851	17152	17456	17759	18086	18388	18691	18997	21076	21424	22461	22803	23173	23518	23867	7250
	13237	13486	13738	13985	16573	16866	17163	17458	17777	18071	18367	18664	20736	21076	21411	21745	22802	23139	23480	7000
	12958	13200	13444	13682	16303	16590	16880	17168	17481	17769	18058	18348	20413	20747	21075	21403	21759	22784	23118	6750
	12695	12929	13165	13396	15997	16276	16558	16839	17144	17424	17705	17988	20045	20371	20692	21012	21360	21682	22009	6500
	12471	12699	12928	13153	15716	15987	16261	16535	16832	17104	17377	17652	17761	20020	20333	20645	20986	21300	21619	6250
	12209	12428	12650	12867	13711	15727	15995	16261	16552	16818	17085	17353	17455	19707	20014	20320	20653	20961	21274	6000
	11985	12198	12413	12624	13417	15413	15673	15932	16215	16473	16732	16992	17086	19331	19630	19928	20254	20554	20858	5750
	11722	11927	12134	12337	13127	14447	15407	15659	15935	16187	16439	16693	16780	17031	19311	19603	19922	20216	20513	5500
	11463	11660	11860	12055	12877	13091	14386	15336	15602	15846	16090	16336	16414	16656	18928	19213	19522	19808	20097	5250
	8832	11364	11597	11786	12560	12766	14041	14278	14536	15478	15715	15953	16023	16257	16488	18798	19099	19378	19659	5000
	8427	8746	9289	11503	12270	12468	13775	14005	14256	14486	15422	15654	15717	15945	16169	18473	18767	19039	19314	4750
	8168	8333	9011	9184	12016	12208	12403	13700	13944	14166	14389	14613	15373	15594	15810	18106	18393	18657	18924	4500
	7944	8103	8774	8941	9984	11906	12093	13374	13610	13824	14039	14255	14303	14515	14724	15638	17997	18253	18512	4250
	7684	7835	8022	8652	9436	9908	11827	13101	13330	13538	13747	13956	13997	14203	14405	14607	17665	17914	18167	4000
	7183	7327	7747	8408	9146	9316	9489	9954	13015	13215	13416	13617	13651	13849	14043	14238	14456	16824	17068	3750
	6959	7096	7265	7401	8852	9014	9179	9343	12684	12877	13069	13263	13289	13479	13666	13853	14063	16423	16659	3500
	6682	6812	6968	7096	8586	8741	8900	9056	9235	12574	12760	12947	12966	13150	13330	13511	13715	16068	16298	3250
	6423	6545	6692	6813	8147	8295	8446	8740	8910	12251	12429	12608	12620	12796	12968	13141	13337	13511	15905	3000
	5990	6104	6452	6566	7894	8035	8179	8322	8631	10240	10411	12254	12258	12426	12591	12756	12944	13110	13278	2750
	5218	5653	5784	5891	7407	7541	7677	7812	7956	8091	10121	10286	10368	12117	12275	12434	12616	12775	12936	2500
	4625	4714	5164	5271	6881	7007	7376	7503	7640	7767	7894	9745	9788	9876	10027	10177	10340	12163	12317	2250
	7250	7500	7750	8000	8250	8500	8750	9000	9250	9500	9750	10000	10250	10500	10750	11000	11250	11500	11750	12000
Door width																				



Rolling shutter HR 120 A DD

Bright-rolled aluminium

Single-skinned

Door price includes direct drive operator and control 445 R

Details on standard and special versions:

- Galvanized barrel as standard.
- Wind locks as standard
- Door technology from page 7
- Special equipment from page 40
- Standard colours, preferred colours and special colours from page 48
- Controls from page 58
- Direct drive operators from page 74

0000 Direct drive operator

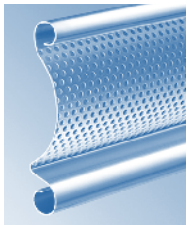
Door height	8000	6002	6332	6977	7308	7853	8183	8510	8842	9195	9746	10078	10407	10760	11226	11555	11886	12246	12578	12909	13238	
	7750	5912	6235	6559	7197	7541	8058	8377	8702	9048	9592	9917	10239	10585	10910	11366	11690	12042	12367	12691	13013	
	7500	5793	6107	6421	7049	7385	7892	8203	8518	8855	9167	9705	10018	10354	10670	10983	11431	11774	12090	12404	12717	
	7250	5493	5594	5998	6196	6597	7008	7699	7995	8431	8724	9131	9424	9739	10350	10439	10801	11124	11420	11714	12074	
	7000	5431	5498	5777	6051	6334	6924	7195	7472	8007	8280	8556	8830	9124	9401	9896	10171	10473	10749	11025	11431	
	6750	5319	5486	5650	5918	6194	6462	7041	7310	7644	8104	8373	8639	8927	9196	9462	9952	10247	10516	10784	11050	
	6500	5225	5485	5542	5802	6071	6332	6904	7166	7493	7945	8207	8466	8747	9009	9268	9751	10038	10300	10561	10820	
	6250	5103	5354	5401	5652	5912	6164	6412	6979	7297	7547	7993	8242	8514	8766	9016	9267	9546	10020	10272	10522	
	6000	4729	4973	5217	5257	5510	5754	5995	6241	6866	7109	7354	7790	8062	8307	8550	8794	9065	9311	9777	10020	
	5750	4457	4692	4926	5116	5200	5434	5666	5902	6203	6750	6986	7262	7709	7953	8186	8420	8682	8918	9153	9608	
	5500	4362	4589	4817	5044	5076	5303	5528	5756	6051	6276	6820	7086	7333	7763	7989	8217	8471	8700	8928	9154	
	5250	4245	4463	4681	4899	4981	5139	5355	5574	5859	6075	6294	6864	7102	7322	7740	7958	8203	8423	8641	8858	
	5000	4101	4312	4522	4733	4953	5019	5168	5380	5657	5867	6079	6655	6901	7113	7331	7735	7973	8185	8397	8606	
	4750	3989	4190	4392	4593	4803	5005	5129	5203	5471	5671	5874	6125	6362	6879	7080	7289	7518	7914	8116	8316	
	4500	3895	4089	4284	4478	4681	4875	5067	5118	5320	5513	5709	5952	6181	6377	6885	7087	7309	7505	7893	8086	
	4250	3781	3966	4151	4336	4529	4714	4897	5083	5131	5315	5502	5730	5950	6137	6321	6821	7041	7228	7413	7597	
	4000	3687	3865	4043	4221	4407	4585	4761	4940	5040	5158	5337	5555	5768	5947	6124	6302	6822	7009	7187	7364	
	3750	3575	3744	3912	4081	4258	4426	4593	4763	4998	5026	5132	5340	5543	5713	5881	6050	6246	6423	6907	7074	
	3500	3274	3416	3557	3698	3849	3990	4130	4272	4480	4621	4764	4938	5114	5176	5194	5336	5505	5647	5789	5929	
	3250	3181	3316	3450	3584	3727	3861	3994	4130	4331	4464	4600	4765	4919	5055	5091	5119	5280	5416	5550	5684	
	3000	3054	3179	3304	3428	3563	3688	3811	3937	4129	4253	4379	4535	4694	4821	4945	5070	5088	5145	5270	5394	
	2750	2961	3079	3196	3314	3441	3559	3675	3794	3979	4096	4215	4361	4514	4633	4750	4868	5013	5132	5154	5164	
	2500	2846	2955	3063	3172	3290	3398	3505	3615	3790	3898	4007	4140	4283	4393	4501	4609	4745	4855	4963	5071	
	2250	2753	2855	2956	3057	3168	3269	3369	3472	3640	3740	3843	3965	4101	4203	4304	4405	4534	4637	4738	4839	
		2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5250	5500	5750	6000	6250	6500	6750	7000	
		Door width																				

Notices:

- For the minimum door width of 1750 mm, the lowest grid price for each height or width applies.

Surcharge for coil coating Outside in RAL 9002 or RAL 9006, Basalt grey protective paint RAL 7012 inside	Per m²	36 €
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→ Door no longer fulfils wind load class 2 (EN 12424)																					
	15245	15725	16061	16394	17224	17574	17924	18274	18646	18995	19345	19693	20510	20857	21200	21545	23871	24259	24647	25034	8000
	15020	15493	15822	16148	16902	17243	17583	17924	18287	18627	18967	19306	19463	19800	20785	21120	23438	23816	24194	24572	7750
	13173	13636	15498	15814	16628	16961	17294	17628	17984	18316	18650	18982	19132	19461	19788	20767	23077	23448	23820	24190	7500
	12509	12878	13964	14214	15031	16143	16454	16766	17645	17960	18285	18618	18760	19082	19400	20046	21368	22710	23599	23699	7250
	11846	12119	12394	12667	13434	15326	15614	15904	17306	17623	17940	18255	18389	18702	19012	19324	19658	21973	22978	23332	7000
	11591	11857	12125	12391	13074	13353	15236	15516	16920	17227	17534	17840	17965	18269	18570	18872	19197	21502	21847	22842	6750
	11220	11612	11873	12132	12808	13080	13353	13625	16623	16923	17224	17522	17639	17936	18230	18526	18843	21141	21479	21817	6500
	10912	11162	11413	11796	12471	12734	12998	13261	13544	16534	16825	17114	17222	17509	17794	18080	18388	18674	21006	21334	6250
	10403	10646	10890	11132	11932	12188	12444	12700	12976	16209	16493	16775	16874	17154	17432	17710	18009	18288	20612	20933	6000
	10104	10337	10572	10805	11666	11914	12163	12412	12681	15826	16101	16374	16463	16734	17002	17272	17561	17830	20145	20457	5750
	9642	10090	10318	10544	11187	11560	11800	12040	12299	15522	15790	16056	16137	16401	16662	16925	17207	17469	19777	20082	5500
	9337	9554	9994	10211	10921	11153	11520	11752	12004	12236	15481	15739	15814	16071	16325	16580	16855	17110	17366	19708	5250
	9078	9288	9499	9931	10566	10789	11012	11235	11612	11835	13517	15308	15374	15621	15866	16112	16377	16623	16869	19203	5000
	8779	8979	9181	9382	10297	10513	10729	10945	11181	11397	13208	13450	13508	15290	15528	15767	16025	16264	16503	18829	4750
	8541	8734	8929	9123	9955	10161	10368	10574	10801	11007	11214	13051	13099	13330	13558	15330	15579	15808	16038	16267	4500
	8236	8420	8605	8789	9466	9888	10088	10287	10506	10706	10905	12733	12774	12998	13219	13441	15225	15447	15670	15892	4250
	7803	8173	8351	8528	9130	9320	9510	9700	10132	10323	10513	12325	12357	12571	12783	12996	13229	13442	13655	15410	4000
	7504	7671	7840	8201	8862	9045	9228	9411	9613	10019	10202	10383	12031	12238	12443	12649	12875	13080	13286	13492	3750
	6327	6468	6610	7390	8519	8693	8867	9040	9233	9407	9581	9753	11708	11908	12105	12304	12523	12721	12920	13119	3500
	6075	6208	6343	6801	8238	8404	8571	8737	8923	9090	9256	9422	10877	11338	11661	11850	12059	12248	12438	12627	3250
	5775	5900	6025	6149	7708	8058	8216	8373	8550	8707	8864	9020	9197	10638	11089	11269	11469	11782	11962	12143	3000
	5538	5655	5773	5890	7440	7590	7740	8083	8253	8403	8553	8702	8872	10308	10480	10924	11117	11290	11462	11769	2750
	5292	5397	5449	5557	7097	7238	7379	7519	7680	7821	8154	8294	8454	8596	10050	10214	10669	10832	10995	11159	2500
	5196	5297	5399	5500	6517	6650	7099	7232	7385	7519	7652	7785	8131	8266	9491	9869	10045	10473	10629	10786	2250
	7250	7500	7750	8000	8250	8500	8750	9000	9250	9500	9750	10000	10250	10500	10750	11000	11250	11500	11750	12000	Door width



Rolling shutter HR 120 aero DD

Bright-rolled aluminium

Single-skinned

Door price includes direct drive operator and control 445 R

Details on standard and special versions:

- Galvanized barrel as standard.
- Wind locks as standard
- Door technology from page 7
- Controls from page 58
- Direct drive operators from page 74

0000 Direct drive operator

→ Door no longer fulfils wind load class 2 (EN 12424)

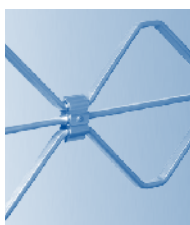
Door height	Door width																			
	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5250	5500	5750	6000	6250	6500	6750	7000
8000	6405	6759	7116	7468	8169	8521	9083	9442	9799	10152	10509	11105	11458	11817	12172	12524	13027	13384	13739	14094
7750	6308	6655	7004	7349	8042	8386	8731	9292	9642	9986	10336	10683	11270	11621	11969	12313	12663	13158	13505	13852
7500	6180	6517	6856	7191	7532	8208	8543	9095	9434	9769	10109	10446	10781	11364	11701	12036	12376	12715	13198	13535
7250	5956	6261	6346	6648	6957	7259	7904	8213	8520	9032	9339	9644	9947	10256	10561	10863	11411	11718	12023	12328
7000	5837	6132	6307	6499	6798	7090	7383	8024	8321	8614	9121	9415	9708	10007	10302	10595	10892	11430	11725	12020
6750	5716	6003	6292	6355	6647	6932	7217	7508	8139	8424	8714	9211	9496	9787	10074	10359	10649	10938	11467	11754
6500	5614	5894	6175	6321	6514	6792	7069	7353	7976	8254	8536	8815	9302	9586	9866	10143	10424	10706	10986	11506
6250	5484	5754	6024	6292	6344	6612	6880	7153	7425	8034	8306	8575	8843	9327	9596	9863	10135	10407	10676	10946
6000	5079	5341	5604	5864	5909	6169	6429	6695	6958	7218	7824	8086	8346	8612	9092	9352	9616	9880	10142	10403
5750	4821	5074	5327	5576	5832	5861	6110	6366	6619	6915	7169	7762	8012	8268	8528	8987	9240	9495	9747	9998
5500	4719	4964	5209	5451	5699	5820	5962	6210	6456	6742	6988	7232	7816	8064	8308	8559	9014	9261	9505	9749
5250	4593	4828	5063	5295	5533	5765	5876	6015	6250	6524	6761	6994	7226	7807	8040	8281	8517	8754	9197	9431
5000	4437	4665	4892	5117	5347	5572	5796	5906	6033	6314	6543	6769	7010	7241	7809	8033	8270	8499	8725	9161
4750	4317	4535	4752	4967	5187	5402	5616	5837	5933	6103	6322	6538	6769	6990	7206	7421	7989	8208	8425	8641
4500	4216	4427	4636	4843	5056	5263	5470	5683	5892	6032	6143	6352	6576	6789	6997	7204	7414	7976	8185	8393
4250	4094	4294	4493	4690	4893	5090	5287	5490	5690	5935	6016	6115	6328	6532	6730	6927	7127	7329	7878	8076
4000	3993	4186	4378	4567	4762	4951	5141	5336	5528	5762	5957	6026	6132	6328	6519	6708	6901	7095	7294	7485
3750	3873	4055	4237	4417	4602	4781	4961	5146	5328	5552	5736	5917	5992	6077	6258	6438	6620	6804	6985	7175
3500	3547	3701	3853	4004	4159	4310	4460	4616	4769	4956	5111	5263	5430	5586	5737	5888	5901	5974	6126	6277
3250	3447	3593	3738	3881	4029	4172	4315	4463	4608	4785	4933	5077	5220	5368	5512	5655	5800	5826	5870	6014
3000	3310	3446	3581	3714	3852	3985	4118	4256	4391	4558	4696	4830	4979	5117	5251	5384	5519	5656	5790	5924
2750	3227	3339	3466	3591	3722	3847	3972	4103	4230	4388	4517	4644	4785	4916	5042	5168	5295	5424	5551	5677
2500	3132	3220	3323	3438	3559	3674	3790	3911	4028	4170	4290	4406	4538	4659	4775	4890	5007	5127	5243	5360
2250	3059	3143	3224	3315	3428	3536	3644	3757	3866	3997	4109	4218	4342	4455	4564	4671	4781	4893	5002	5110

Notices:

- For the minimum door width of 1750 mm, the lowest grid price for each height or width applies.

Surcharge for coil coating Outside in RAL 9002 or RAL 9006, Basalt grey protective paint RAL 7012 inside	Per m²	41 €
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	14571	15090	15448	15813	18360	18735	19113	19489	19862	20242	20618	20993	21146	21516	21889	22257	22632	25174	26297	26715	8000
	14330	14841	15191	15548	18015	18381	18749	19114	19478	19848	20214	20579	20722	21082	21445	21802	22167	24700	25106	26221	7750
	14003	14504	14844	15191	17721	18078	18439	18797	19153	19515	19873	20231	20366	20718	21073	21424	21781	24305	24704	25105	7500
	12763	13068	13516	13825	14570	14888	15208	15526	17582	19098	19446	19794	19919	20262	20606	20947	21294	21634	24197	24588	7250
	12445	12740	13033	13477	14284	14594	14907	15217	15525	18772	19112	19452	19569	19905	20242	20574	20914	21247	23802	24186	7000
	12171	12458	12744	13035	13899	14199	14501	14801	15100	18347	18678	19008	19115	19441	19767	20090	20420	20743	23288	23662	6750
	11917	12196	12474	12758	13613	13905	14201	14493	14784	18021	18344	18667	18766	19084	19403	19718	20040	20355	22893	23259	6500
	11587	11857	12124	12398	13253	13535	13820	14103	14383	14670	17917	18229	18319	18627	18936	19242	19553	19859	20166	22742	6250
	10796	11299	11559	11825	12525	12945	13222	13497	13770	14049	17585	17890	17972	18272	18574	18871	19176	19473	19773	22342	6000
	10476	10728	10978	11475	12239	12506	12776	13189	13454	13726	15491	15786	17532	17823	18114	18402	18696	18984	19273	21832	5750
	10219	10463	10705	10954	11870	12127	12387	12644	12900	13306	15157	15444	15509	17466	17749	18029	18316	18596	18878	21429	5500
	9892	10126	10358	10597	11584	11834	12086	12336	12583	12837	13087	15105	15162	15437	17387	17660	17938	18211	18485	18762	5250
	9614	9840	10065	10296	11204	11443	11685	11925	12163	12407	12646	14643	14690	14955	15221	15484	17427	17689	17954	18221	5000
	9293	9510	9725	9946	10674	10906	11382	11614	11844	12080	12312	14304	14343	14601	14859	15114	15375	15630	17561	17820	4750
	8829	9037	9454	9667	10307	10529	10754	10976	11437	11663	11885	13876	13905	14153	14401	14646	14897	15142	15389	15638	4500
	8502	8700	8898	9101	10022	10236	10453	10667	10880	11340	11554	11768	13556	13796	14037	14274	14517	14755	14994	15236	4250
	8244	8435	8625	8821	9661	9865	10073	10277	10480	10688	10892	11096	12814	13340	13570	13797	14031	14258	14487	14719	4000
	7582	7763	8285	8470	9374	9570	9770	9966	10161	10362	10558	10755	12320	12838	13205	13425	13651	13871	14092	14317	3750
	6651	6803	6953	7110	8797	9193	9383	9569	9754	9945	10131	10318	10504	12188	12698	12910	13273	13485	13699	13916	3500
	6380	6524	6667	6815	8495	8673	8855	9244	9422	9605	9783	9962	10141	11722	11927	12423	12632	12834	13183	13390	3250
	6059	6193	6326	6465	8134	8303	8475	8644	8812	9194	9363	9532	9701	11263	11458	11650	12143	12335	12529	12726	3000
	6026	6152	6173	6187	7505	8007	8172	8333	8493	8659	8820	9190	9351	9515	11095	11280	11471	11950	12136	12325	2750
	5698	5815	5930	6051	7138	7289	7443	7936	8086	8242	8393	8544	8695	8849	10394	10569	10749	11166	11636	11815	2500
	5441	5550	5658	5771	6852	6995	7143	7286	7428	7918	8061	8204	8348	8494	8638	10199	10372	10539	10707	11415	2250
	7250	7500	7750	8000	8250	8500	8750	9000	9250	9500	9750	10000	10250	10500	10750	11000	11250	11500	11750	12000	Door width



Rolling grille HG-L DD

Bright-rolled aluminium

Honeycomb connections with crossbar

// As standard with pull-out protection

Rolling grille price incl. direct drive operator and control 445 R

Details on standard and special versions:

- Galvanized barrel as standard.
- Door technology from page 8
- Special equipment from page 40
- Special colours from page 49
- Controls from page 58
- Direct drive operators from page 74

Door height	5500	6843	7302	7759	8216	8675	8900	9358	9816	10274	10731	11190	12006	12510	12969	13426	13884	14562	15021	15479	16270	
	5250	6624	7062	7498	7934	8372	8809	9013	9450	9887	10323	10760	11197	11678	12474	12911	13348	13785	14443	14880	15649	
	5000	6456	6878	7300	7721	8144	8565	8755	9177	9599	10020	10443	10864	11328	12110	12532	12954	13376	13799	14441	15196	
	4750	6237	6638	7039	7439	7841	8241	8642	8811	9211	9612	10014	10414	10855	11257	11658	12418	12818	13220	13621	14242	
	4500	6018	6398	6778	7157	7538	7917	8296	8677	8824	9204	9585	9964	10382	10763	11143	11523	12261	12642	13022	13402	
	4250	5856	6222	6586	6951	7316	7681	8045	8411	8776	8908	9274	9639	10040	10406	10770	11135	11500	12225	12590	12955	
	4000	5637	5982	6325	6668	7013	7357	7700	8045	8389	8732	8845	9189	9566	9912	10255	10599	10943	11288	11632	12334	
	3750	5475	5805	6134	6462	6792	7120	7449	7779	8108	8437	8767	8863	9224	9554	9883	10212	10541	10871	11200	11528	
	3500	5256	5565	5872	6180	6489	6796	7104	7413	7721	8029	8338	8646	8983	9060	9368	9676	9983	10292	10600	10908	
	3250	5037	5325	5611	5898	6186	6472	6759	7047	7334	7621	7909	8196	8510	8798	9085	9139	9426	9714	10001	10288	
	3000	4858	5131	5403	5674	5947	6219	6491	6764	7036	7308	7581	7853	8150	8423	8695	8967	9007	9280	9551	9823	
	2750	4639	4891	5142	5393	5645	5895	6146	6398	6649	6900	7152	7403	7677	7929	8180	8431	8682	8934	8952	9203	
	2500	4420	4651	4881	5111	5342	5572	5801	6032	6262	6492	6723	6953	7204	7435	7665	7895	8124	8355	8585	8815	
	2250	4259	4475	4690	4905	5121	5336	5551	5767	5982	6196	6412	6627	6861	7078	7292	7507	7722	7938	8153	8368	
		2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5250	5500	5750	6000	6250	6500	6750	7000	
Door width																						

Notices:

- Door heights from 5500 mm to 8000 mm on request.
- For the minimum door width of 1000 mm, the lowest grid price for each height or width applies.

	17009	17478	17947	18418	20157	20651	21147	21641	5500
	16367	16815	17264	17713	19635	20114	20595	21074	5250
	15899	16332	16765	17200	18903	19361	19821	20279	5000
	15257	15670	16082	16495	18381	18825	19269	19713	4750
	14396	15007	15398	15791	17503	17926	18502	18924	4500
	13934	14310	14686	15284	16778	17179	17582	17983	4250
	12948	13648	14003	14359	16256	16642	17030	17417	4000
	12127	13171	13511	13853	15531	15896	16263	16628	3750
	11486	11794	12460	13148	14756	15106	15711	16062	3500
	10844	11131	11777	12076	14030	14359	14690	15020	3250
	10365	10637	10909	11552	13287	13596	13905	14214	3000
	9724	9975	10226	10848	12766	13059	13354	13647	2750
	9315	9412	9542	9773	11820	12313	12586	12859	2500
	8853	9068	9283	9652	11095	11346	11599	11850	2250
	7250	7500	7750	8000	8250	8500	8750	9000	
Door width									



Rolling grille HG-V DD

Reinforced bright-rolled aluminium

Stainless steel honeycomb connections

Rolling grille price incl. direct drive operator and control 445 R

Details on standard and special versions:

- Galvanized barrel as standard.
- Door technology from page 8
- Special equipment from page 40
- Controls from page 58
- Direct drive operators from page 74

// As standard with pull-out protection

0000 Direct drive operator

Door height	Door width																			
	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5250	5500	5750	6000	6250	6500	6750	7000
8000	11413	12507	13401	14295	15190	16313	19061	20068	21074	22081	24677	25683	26690	27697	28704	29710	30717	31724	32730	33737
7750	11156	12025	13093	13962	14831	15929	18599	19577	20554	21532	22510	25077	26055	27033	28011	28989	29967	30945	31922	32900
7500	10946	11795	12844	13693	14543	15621	18094	19187	20143	21099	22055	24599	25555	26511	27467	28422	29378	30334	31289	32245
7250	10688	11513	12536	13360	14184	15008	17631	18696	19623	20550	21477	22404	24920	25847	26774	27701	28628	29555	30481	31408
7000	10107	11230	12028	13026	13825	14624	17169	18067	19103	20001	20899	21798	22696	25183	26081	26979	27877	28775	29674	30572
6750	9849	10947	11721	12693	13466	14240	16707	17576	18583	19453	20322	21191	22061	24519	25389	26258	27127	27996	28866	29735
6500	9645	10723	11477	12430	13184	13938	16345	17192	18039	19024	19871	20718	21565	22412	24848	25695	26542	27390	28237	29084
6250	9372	10101	11153	11882	12810	13538	15867	16685	17504	18460	19278	20096	20915	21733	22551	24958	25777	26595	27413	28231
6000	9115	9818	10845	11548	12451	13154	15405	16194	16984	17773	18700	19490	20279	21069	21858	22648	25026	25816	26605	27395
5750	8872	9555	10563	11246	11930	12813	14774	15770	16537	17304	18071	18976	19786	20553	21321	22088	24444	25211	25979	26746
5500	8616	9274	9932	10915	11573	12430	14313	15281	16019	16757	17495	18371	19151	19889	20628	21366	22105	24432	25171	25909
5250	7806	8202	8807	9413	10019	10625	12713	13594	14283	14964	15646	16327	17277	17959	18641	19322	20004	20824	21505	22187
5000	7544	8125	8495	9075	9656	10236	12246	13098	13759	14411	15064	15716	16407	17289	17942	18595	19248	19901	20691	21344
4750	7289	7844	8189	8744	9299	9854	11786	12410	13232	13864	14488	15112	15772	16397	17250	17874	18498	19122	19746	20370
4500	7087	7622	8158	8483	9019	9554	11427	12028	12630	13439	14041	14642	15279	15881	16483	17313	17915	18517	19119	19721
4250	6831	7341	7852	8152	8662	9172	10642	11539	12112	12685	13465	14038	14644	15217	15790	16363	17165	17738	18311	18884
4000	6580	7065	7550	8034	8309	8794	10185	10729	11598	12142	12687	13438	14013	14557	15102	15646	16190	16964	17508	18052
3750	6324	6784	7243	7703	8163	8412	9725	10240	10756	11596	12111	12635	13378	13893	14409	14924	15440	15956	16471	17215
3500	6121	6561	7001	7441	7881	8111	9364	9858	10351	11168	11662	12155	12683	13376	13869	14362	14855	15349	15842	16335
3250	5866	6281	6695	7110	7524	7939	8904	9369	9833	10297	11086	11551	12040	12513	13176	13640	14105	14569	15034	15498
3000	5293	5652	6012	6371	6731	7091	8131	8535	8939	9343	9537	9941	10369	10773	11177	11581	11985	12389	12793	13522
2750	5091	5431	5771	6111	6451	6791	7772	8154	8536	8918	9300	9682	9875	10257	10639	11021	11403	11785	12167	12549
2500	4836	5150	5465	5780	6095	6409	7312	7665	8018	8371	8724	9077	9450	9593	9946	10299	10653	11006	11359	11712
2250	4580	4870	5159	5449	5738	6028	6851	7176	7500	7825	8149	8473	8815	9139	9464	9578	9902	10227	10551	10875

- Notices:**
- For the minimum door width of 1000 mm, the lowest grid price for each height or width applies.

	35536	36698	37710	38722	40003	41023	42043	43063	44083	45103	46122	47142	49795	50854	51912	53631	54689	55748	56806	57865	8000
	34000	35804	36787	37770	39023	40014	41005	41996	42987	43978	44969	45960	48584	49614	50643	51673	53363	54393	55423	56452	7750
	33323	34434	36065	37026	38254	39222	40191	41160	42129	43097	44066	45035	47637	48644	49652	50659	51667	52674	54342	55349	7500
	32457	33540	34472	36074	37273	38213	39153	40093	41033	41973	42913	43853	44581	47404	48383	49362	50341	51319	52298	53936	7250
	31592	32645	33549	34452	36292	37203	38115	39026	39937	40848	41759	42670	43370	46164	47114	48064	49014	49964	50914	51864	7000
	30726	31751	32626	33500	35312	36194	37077	37959	38841	39724	40606	41488	42159	44925	45846	46767	47688	48609	49530	50451	6750
	30053	31055	31907	32760	34552	35412	36273	37133	37993	38853	39713	40574	41222	43966	44865	45763	46663	47561	48460	49359	6500
	29172	30146	30969	31792	32886	34387	35219	36050	36882	37713	38545	39376	39995	40822	43581	44451	45321	46191	47061	47931	6250
	28306	29251	30046	30840	31905	32707	33510	34983	35786	36588	37391	38194	38784	39582	42312	43153	43995	44836	45677	46519	6000
	27635	28558	29331	30103	31142	31922	32703	33483	34934	35714	36495	37275	37844	38619	41327	42145	42965	43784	44603	45422	5750
	26770	27664	28408	29151	30162	30913	31665	32416	33168	34590	35341	36093	36633	37379	38126	40848	41639	42429	43219	44009	5500
	23116	23797	24479	25161	28044	28734	30861	31590	32320	33049	34449	35178	35696	36420	37144	39845	40613	41381	42149	42917	5250
	22244	22897	23550	24203	27057	27718	28379	30517	31218	31918	32619	33319	34479	35174	35870	38541	39281	40020	40759	41499	5000
	21379	22003	22627	23251	24425	26709	27341	29450	30122	30794	31466	32137	32597	33934	34601	35268	37955	38665	39376	40086	4750
	20570	21310	21912	22514	23382	24272	26534	28620	29270	29920	30569	31219	31656	32301	32945	34260	36925	37613	38301	38989	4500
	19705	20278	20989	21562	22402	22983	23844	27554	28174	28795	29416	30037	30446	31061	31677	32292	34928	36258	36918	37577	4250
	18839	19384	19928	20472	21421	21974	22526	23358	27079	27671	28263	28854	29235	29821	30408	30995	31582	34233	34863	36164	4000
	17974	18489	19005	19521	20662	21192	21722	22252	25983	26546	27109	27672	28024	28582	29140	29698	30256	32878	33480	34081	3750
	17300	17793	18287	18780	19681	20182	20684	21185	21687	25676	26217	26757	27087	27623	28158	28694	29230	31830	32410	32989	3500
	16206	16670	17364	17828	18563	19035	19646	20118	20591	24551	25063	25575	25876	26383	26890	27397	27904	28411	31026	31577	3250
	14480	14894	15309	15723	17567	18010	18454	18898	19479	23411	23894	24377	24649	25127	25606	26084	26562	27041	29627	30149	3000
	13173	14201	14594	14986	16586	17001	17416	17831	18246	18661	21409	23459	23708	24164	24620	25076	25533	25988	26444	29052	2750
	12308	12975	13346	13710	15823	16216	16609	17001	17394	17787	20255	20688	20908	22925	23352	23779	24206	24633	25061	27640	2500
	11443	11767	12415	12750	14614	14977	15342	15934	16298	16662	17026	19506	19697	20096	20494	20893	22880	23279	23677	24075	2250
	7250	7500	7750	8000	8250	8500	8750	9000	9250	9500	9750	10000	10250	10500	10750	11000	11250	11500	11750	12000	
Door width																					



Rolling grille HG-S DD

Galvanized steel

Galvanized steel honeycomb connections

// As standard with pull-out protection

Rolling grille price incl. operator and control 445 R

Details on standard and special versions:

- Galvanized barrel as standard.
- Door technology from page 8
- Special equipment from page 40
- Special colours from page 49
- Controls from page 58
- Direct drive operators from page 74

0000 Direct drive operator

Door height	8000	10466	11174	13569	14276	14985	15692	16400	17108	19335	20089	20844	21599	22354	23109	23864	24618	26470	27240	28011	28781	
	7750	10262	10951	11640	14015	14703	15392	16080	16769	18951	19685	20419	21153	21887	22621	23355	24089	25907	26656	27405	28154	
	7500	10092	10765	11438	13798	14472	15145	15818	16492	18640	19358	20075	20793	21511	22229	22946	23664	24756	26190	26922	27655	
	7250	9742	10542	11196	11850	14190	14844	15498	16153	17545	18953	19650	20347	21044	21741	22438	23134	24193	24905	26317	27028	
	7000	9538	10319	10953	11588	13909	14543	15178	15813	17161	17837	19225	19900	20577	21253	21929	22605	23631	24321	25010	26401	
	6750	9334	10096	10711	11326	11941	14243	14859	15474	16777	17432	18799	19454	20110	20765	21420	22075	23068	23736	24405	25073	
	6500	9170	9770	10516	11116	11716	14002	14603	15203	16472	17111	17750	19100	19739	20378	21017	21656	22623	23275	23927	24578	
	6250	8950	9530	10257	10837	11418	13686	14266	14847	16072	16690	17308	17926	19255	19874	20492	21109	22044	22674	23305	23935	
	6000	8746	9307	9868	10575	11137	11698	13946	14508	15688	16285	16882	17479	18788	19385	19983	20580	21481	22090	22699	23308	
	5750	8297	9086	9632	10324	10870	11416	13648	14194	15340	15920	16501	17081	17708	19000	19581	20162	21038	21630	22223	22815	
	5500	8095	8865	9391	10064	10591	11117	11643	13856	14958	15517	16077	16637	17241	17801	19072	19632	20475	21046	21617	22188	
	5250	6888	7580	8060	8549	9272	9752	10232	10858	11883	12394	14956	15599	16153	16665	17177	17689	18468	18991	20225	20747	
	5000	6680	7352	7813	8282	8986	9447	9907	10368	11494	11985	12475	15148	15680	16171	16662	17153	17899	18400	18901	19402	
	4750	6479	6920	7573	8014	8464	9148	9589	10030	11112	11582	12052	12522	15213	15683	16153	16623	17336	17816	18296	18776	
	4500	6316	6743	7380	7806	8241	8667	9336	9762	10810	11263	11717	12171	12661	15298	15752	16205	16893	17356	17819	18282	
	4250	5771	6522	6928	7546	7961	8368	9018	9424	10282	10861	11294	11727	12194	12627	15243	15676	16330	16772	17214	17656	
	4000	5573	6305	6692	7291	7678	8074	8461	9091	9905	10317	10875	11287	11732	12144	12556	13096	15767	16188	16608	17029	
	3750	5372	5740	6452	6819	7399	7766	8143	8511	9523	9914	10305	10843	11265	11656	12047	12438	15205	15604	16003	16402	
	3500	5209	5562	6258	6611	6964	7527	7889	8242	9220	9594	9970	10344	10894	11269	11644	12019	12709	15142	15525	15907	
	3250	5007	5341	5674	6351	6684	7229	7562	7904	8595	9192	9546	9900	10281	10781	11135	11489	12019	12508	14919	15280	
	3000	4726	5012	5298	5461	5647	5933	6220	6506	7456	7760	8065	8581	8918	9223	9527	9832	10815	11136	11458	11780	
	2750	4564	4835	5106	5377	5425	5696	5967	6238	6809	7442	7730	8019	8541	8837	9126	9414	10128	10433	10982	11287	
	2500	4363	4614	4865	5117	5369	5397	5649	5900	6428	6695	7307	7574	7862	8130	8608	8884	9287	9849	10133	10417	
	2250	4161	4393	4625	4857	5090	5322	5331	5563	6046	6293	6539	6786	7395	7642	7888	8135	8725	9265	9528	9790	
		2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5250	5500	5750	6000	6250	6500	6750	7000	
		Door width																				

Notices:

- For the minimum door width of 1000 mm, the lowest grid price for each height or width applies.

																					8000
	29033																				7750
	28516																				7500
	27868	28745	29461																		7250
	27220	28075	28770	29466																	7000
	26572	27406	28079	28753																	6750
	25360	26877	27534	28192	29212																6500
	24695	25491	26827	27463	28462	29108															6250
	24047	24821	25436	26751	27728	28353	28979	29604													6000
	23537	24295	24892	25490	27149	27758	28367	28975	29584												5750
	22889	23625	24202	24778	26416	27003	27591	28178	28765	30962											5500
	21399	21921	22444	22966	25139	26410	26981	27552	28122	30303	30915										5250
	20744	21245	21746	22248	24399	24948	25498	26748	27297	27847	30047	30637	31228								5000
	19385	19864	21056	21536	23666	24194	24722	25250	25778	27006	29185	29754	30324	30893	31462						4750
	18875	19338	19801	20976	23087	23598	24110	24621	25132	25644	28507	29059	29611	30164	30716	31268	31821				4500
	18227	18669	19110	19552	22354	22843	23334	23823	24314	24804	25294	27475	28707	29238	29769	30300	30832	31363	31894		4250
	17578	17999	18419	18840	21620	22089	22557	23026	23495	23963	24432	26593	27102	27612	28823	29332	29842	30352	30862	31371	4000
	16930	17330	17729	18128	20887	21334	21781	22228	22676	23123	23570	24018	26198	26687	27175	27663	28152	29341	29829	30318	3750
	16419	16801	17183	17566	20310	20741	21172	21602	22033	22464	22894	23325	25489	25961	26432	26904	27376	27848	28320	29492	3500
	15770	16131	16492	16854	17577	19986	20396	20805	21214	21623	22033	22442	22627	25035	25485	25936	26386	26837	27287	27738	3250
	12359	15446	15785	16125	16827	19215	19603	19991	20379	20767	21155	21543	21706	24093	24522	24951	25380	25809	26238	26667	3000
	11849	12726	13341	15413	16094	16423	18991	19362	19733	20105	20476	20847	20994	21360	23777	24189	24601	25014	25426	25838	2750
	11201	11485	12501	13100	15515	15828	17503	17853	18203	19264	19614	19964	20089	20434	20779	23221	23612	24003	24394	24785	2500
	10310	10573	10835	12091	13029	15073	15364	17055	17384	17713	18041	18370	19185	19508	19832	22252	22622	22992	23362	23731	2250
	7250	7500	7750	8000	8250	8500	8750	9000	9250	9500	9750	10000	10250	10500	10750	11000	11250	11500	11750	12000	
Door width																					

Special equipment

Rolling shutters DD and rolling grilles DD

Article no.	Article	
Window and ventilation elements		
9800083	Window profiles Decotherm	Per running metre door width
9800084	Window profiles Decotherm, "logistics" version = 2 profiles with 2 x 2 window elements each	Per rolling shutter
9801140	Ventilation grille profiles Decotherm	Per running metre door width
9801141	Ventilation opening profile Decotherm	Per running metre door width
9800042	Window profiles HR 120	Per running metre door width
9800040	Window profiles HR 120, "logistics" version = 2 profiles with 2 x 2 window elements each	Per rolling shutter
9800058	Ventilation laths HR 120 aero, in a bright-rolled version, Grey white RAL 9002 or White aluminium RAL 9006	Per running metre door width
Fascia panel BST60 for rolling shutters		
- Aluminium frame anodised with natural finish E6/C-0 acc. to DIN 17611 - Minimum height: 300 mm, maximum height: 1300 mm, maximum width: 10000 mm (notice: two-part from 5000 mm width)		
9805507	Infill: galvanized steel, without colour coating, double-skinned, PU foamed	Up to 2 m² each
9805501		Every additional m²
9805507	Infill: bright-rolled aluminium, single-skinned	Up to 2 m² each
9805503		Every additional m²
9805507	Infill: bright-rolled aluminium, single-skinned, perforated	Up to 2 m² each
9805503		Every additional m²
Fascia panel BST60 for rolling grille		
- Aluminium frame anodised with natural finish E6/C-0 acc. to DIN 17611 - Minimum height: 300 mm, maximum height: 1300 mm, maximum width: 10000 mm (notice: two-part from 5000 mm width)		
9805511	Infill: bright-rolled aluminium, honeycomb connection with crossbar	Up to 2 m² each
9805504		Every additional m²
9805512	Infill: reinforced bright-rolled aluminium, honeycomb connection in stainless steel	Up to 2 m² each
9805505		Every additional m²
9805513	Infill: galvanized steel, honeycomb connection made of galvanized steel	Up to 2 m² each
9805506		Every additional m²
Side panel BSL60 for rolling shutters		
- Aluminium frame anodised with natural finish E6/C-0 acc. to DIN 17611 - Minimum width: 300 mm, maximum height: 10000 mm, maximum width: 1300 mm (notice: two-part from 5000 mm height)		
9805607	Infill: galvanized steel, without colour coating, double-skinned, PU foamed	Up to 2 m² each
9805601		Every additional m²
9805607	Infill: bright-rolled aluminium, single-skinned	Up to 2 m² each
9805603		Every additional m²
9805607	Infill: bright-rolled aluminium, single-skinned, perforated	Up to 2 m² each
9805603		Every additional m²
Side panel BSL60 for rolling grille		
- Aluminium frame anodised with natural finish E6/C-0 acc. to DIN 17611 - Minimum width: 300 mm, maximum height: 10000 mm, maximum width: 1300 mm (notice: two-part from 5000 mm height)		
9805611	Infill: bright-rolled aluminium, honeycomb connection with crossbar	Up to 2 m² each
9805604		Every additional m²
9805612	Infill: reinforced bright-rolled aluminium, honeycomb connection in stainless steel	Up to 2 m² each
9805605		Every additional m²
9805613	Infill: galvanized steel, honeycomb connection made of galvanized steel	Up to 2 m² each
9805606		Every additional m²
9705220	Protection to exclude the possibility of reaching through for side panel with rolling grille infill	Per m²
Support bracket BST60 / BSL60		
9805510	Support bracket BST / BSL60	10 pieces per set Per set
Curtain cover PV DD (recommended for external rolling shutters / external rolling grilles)		
9805101	Galvanized sheet steel, galvanized support brackets	Per m
9801799	Groove sealing strip for PV DD, PV SB and PV TGT, 15 mm x 8 mm	Each
9805110	Surcharge for VDD-V vertical cladding for the operator	Each
9805115	Surcharge for VDD-H horizontal cladding for the operator	Each

	Decotherm S DD	Decotherm S DD S6	Rolling shutters			HG-L DD	Rolling grilles	
			HR 120 A	HR 120 aero	HR 120 DD		HG-V DD	HG-S DD
	52	52	—	—	—	—	—	—
	177	177	—	—	—	—	—	—
	65	65	—	—	—	—	—	—
	65	65	—	—	—	—	—	—
	—	—	43	43	43	—	—	—
	—	—	104	104	104	—	—	—
	—	—	43	43	43	—	—	—
	1146	1146	—	—	—	—	—	—
	573	573	—	—	—	—	—	—
	—	—	1146	—	1146	—	—	—
	—	—	573	—	573	—	—	—
	—	—	—	1146	—	—	—	—
	—	—	—	573	—	—	—	—
	—	—	—	—	—	1791	—	—
	—	—	—	—	—	896	—	—
	—	—	—	—	—	—	2165	—
	—	—	—	—	—	—	1082	—
	—	—	—	—	—	—	—	1606
	—	—	—	—	—	—	—	803
	1639	1639	—	—	—	—	—	—
	820	820	—	—	—	—	—	—
	—	—	1639	—	1639	—	—	—
	—	—	820	—	820	—	—	—
	—	—	—	1639	—	—	—	—
	—	—	—	820	—	—	—	—
	—	—	—	—	—	2126	—	—
	—	—	—	—	—	1063	—	—
	—	—	—	—	—	—	2489	—
	—	—	—	—	—	—	1245	—
	—	—	—	—	—	—	—	2029
	—	—	—	—	—	—	—	1015
	—	—	—	—	—	321	321	321
	13,40	13,40	13,40	13,40	13,40	13,40	13,40	13,40
	265	265	265	265	265	265	265	265
	32	32	32	32	32	32	32	32
	365	365	365	365	365	365	365	365
	365	365	365	365	365	365	365	365

Special equipment

Rolling shutters DD and rolling grilles DD

Article no.	Article	
External rolling shutter / external rolling grille		
9800910	External rolling shutter with SKS, lockable bottom profile or EZS Notices: - Other view from outside with HR 120 and Decotherm S, for details see "Profile overview" in the technical manual! - HR 120 aero is only available in a bright-rolled version! - Decotherm S DD S6 not possible as an external rolling shutter!	Surcharge per door
9800910	External rolling grille with SKS or lockable bottom profile Support bracket fastening in stainless steel and subframe if necessary	Surcharge per door
Chamfered bottom profile (max. door width 11600 mm)		
9800626	Up to a max. height difference of 525 mm, single-skinned	Per running metre door width
9020230	Double-skinned, from 5801 mm to 10000 mm door width	Per running metre door width
9020280	Bottom profile with recess	Per running metre door width
Break-in-resistant locks		
9800100	ABP2 S inside and outside, lockable bottom profile with safety switch	Unit(s)
9800625	ABP1 S inside, lockable bottom profile with safety switch	Unit(s)
9800908	Shootbolt with safety switch DD	Unit(s)
SSG DD (movable mullion for door combinations as a single opening)		
9805301	SSG DD up to 6000 mm door height	Each
9805310	SSG DD from 6001 mm up to 9000 mm door height	Per running metre door height
9805320	SSG DD support cladding with rolling shutter laths	Per running metre door height
Special barrels		
9040020	Extended barrel	Per m
Max. wind load		
9800909	Surcharge for max. wind load DD	Per running metre door height
Boom fitting (not for DD S6!)		
9800916	Angle fixing FS 80 for 10 fixing points	Each
9800914	Bracket for frame box for SKS	Each
Photocell mounting plate		
9801430	Photocell mounting plate set	Unit(s)
Fitting by welding		
9040040	Galvanized weld-on plates for support brackets	Per weld-on plate
Special support brackets		
9801272	Wall bracket DD	Each
9805160	WK 40 angle bracket DD up to operator DD65	Each
Protection against martens		
9800795	Protection against martens with HR 120 A bright-rolled galvanized profiles	Per running metre door width
Additional posts		See page 50

	Decotherm S DD	Decotherm S DD S6	Rolling shutters			Rolling grilles		
			HR 120 A	HR 120 aero	HR 120 DD	HG-L DD	HG-V DD	HG-S DD
	215	—	215	215	215	—	—	—
	—	—	—	—	—	215	215	215
	340	—	340	340	340	340	340	340
	462	—	462	462	462	462	462	462
	646	—	646	646	646	646	646	646
	478	—	478	478	478	478	478	478
	478	—	478	478	478	478	478	478
	164	164	164	164	164	164	164	164
	8205	—	8205	8205	8205	8205	8205	8205
	1368	—	1368	1368	1368	1368	1368	1368
	180	—	180	180	180	180	180	180
	359	359	359	359	359	359	359	359
	60	—	60	60	60	—	—	—
	191	—	—	—	191	191	191	191
	35	—	—	—	35	35	35	35
	26	26	—	—	26	26	26	26
	74	74	—	—	74	74	74	74
	111	111	—	—	111	111	111	111
	571	571	—	—	571	571	571	571
	—	—	—	—	—	70	70	70

Side door NT 60 R

Matching the rolling shutters / rolling grilles

Product description

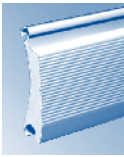
General rules

Ready-to-fit door set, with lever handle set offset / offset, black plastic, lock with profile cylinder (without cylinder for KABA version), two-part hinges, three-way adjustable.

Door leaf

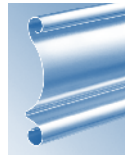
Aluminium extruded tubular profiles without thermal break E6/C-0, depth of 60 mm, double door seal on 3 sides, EPDM moulded sealing elements in the left and right corner area, double lip seal in the threshold area.

Infills – side doors NT 60 R for rolling shutters



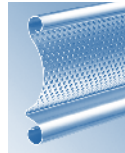
Side door for rolling shutters with door curtain Decotherm S

Galvanized steel, without colour coating
Double-skinned, PU-foamed



Side door for rolling shutters with door curtain HR 120 A

Bright-rolled aluminium
Single-skinned



Side door for rolling shutters with door curtain HR 120 aero

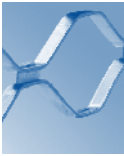
Bright-rolled aluminium
Single-skinned

Infills – side doors NT 60 R for rolling grilles



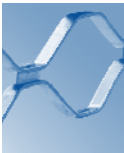
Side door for rolling grilles with curtain HG-L

Bright-rolled aluminium
Honeycomb connections with crossbar



Side door for rolling grilles with curtain HG-V

Reinforced bright-rolled aluminium
Stainless steel honeycomb connections



Side door for rolling grilles with curtain HG-S

Galvanized steel
Galvanized steel honeycomb connections

Surface protection

Standard version:

Leaf frame and door frame

Anodised with natural finish E6/C-0 in accordance with DIN 17611.

RAL colours for infill, see “Surface coating” from page 49.

Side door NT 60 R

Matching the rolling shutters / rolling grilles

Side door NT 60 R for rolling shutters			Article no.		€
RAM (width x height) Min. 770 x 1865 mm Max. 1300 x 2525 mm	Decotherm S	Galvanized steel, without colour coating, double-skinned, PU foamed	9805201	Each	1931
	HR 120 A	Bright-rolled aluminium, single-skinned	9805203	Each	1992
	HR 120 aero	Bright-rolled aluminium, single-skinned	9805203	Each	1992

Side door NT 60 R for rolling grilles			Article no.		€
RAM (width x height) Min. 770 x 1865 mm Max. 1300 x 2525 mm	HG-L	Bright-rolled aluminium, honeycomb connections with crossbar	9805204	Each	2293
	HG-V	Reinforced bright-rolled aluminium, honeycomb connections made of stainless steel	9805205	Each	3275
	HG-S	Galvanized steel Galvanized steel honeycomb connections	9805206	Each	2876
Protection to exclude the possibility of reaching through for side doors with rolling grille infill			9705220	Per m²	321

Curtain	Special equipment for side doors NT 60 R with door inlay made of rolling shutter laths		Article no.	Surcharge	€
Decotherm S	HR 120	● Possible – Not available			
●	–	Window made of transparent polycarbonate	9800083	Per m lath profile	52
–	●	Window made of transparent polycarbonate	9800042	Per m lath profile	43
–	●	Ventilation laths HR 120 aero, in a bright-rolled version, Grey white RAL 9002 or White aluminium RAL 9006	9800058	Per m lath profile	43
●	●	Window section with clear synthetic double pane (S2)	9085668	Each	179
●	–	Ventilation grille profile	9801140	Per m lath profile	65
●	–	Ventilation opening profile	9801141	Per m lath profile	65

No. of possible glazings in the width per lath profile				
Visible distance to side of the door infill Right and left each	Decotherm S		HR 120 A	
	RAM width	Glazings per lath profile	RAM width	Glazings per lath profile
At least 60 mm	770 – 960 mm	2 units	770 – 950 mm	2 units
	970 – 1170 mm	3 units	960 – 1150 mm	3 units
	1180 – 1300 mm	4 units	1160 – 1300 mm	4 units

Accessories

For side doors NT 60 R

Fittings		Article no.		€	
Lever handle sets offset / offset	Black plastic	PC	9092480	No surcharge	
		KABA	9092481		
	Aluminium natural finish (F1)	PC	9092482	Each	134
		KABA	9092483		
	Brushed stainless steel	PC	9092490	Each	178
		KABA	9092491		
	Polished stainless steel	PC	9092492	Each	203
		KABA	9092493		
Lever / knob handle sets offset / offset	Black plastic	PC	9092494	Each	74
		KABA	9092495		
	Aluminium natural finish (F1)	PC	9092496	Each	156
		KABA	9092497		
	Brushed stainless steel	PC	9092504	Each	207
		KABA	9092505		
	Polished stainless steel	PC	9092506	Each	235
		KABA	9092507		
Overhead door closers			Article no.		€
Overhead door closer with slide rail and hold-open device			9092542	Each	309
Electric door strike with day and night setting (wiring on-site)			Article no.		€
10 – 24 V, LH hinged / RH hinged Only opens with an impulse, i.e. as long as the button is pressed (operating current).			9092513	Each	118
10 – 24 V, LH hinged / RH hinged Remains open after an impulse until the door is actuated – subsequent re-locking (catch).			9092514	Each	157
Anti-panic locks			Article no.		€
Anti-panic lock for fixed knob on outside Function E: The door can only be opened using a key from the outside.		PC	9092521	Each	234
		KABA	9092522	Each	234
Anti-panic lock for profile cylinder with anti-panic spindle, for lever handle outside Function B: With the change-over function; the lever handle is switched to “idle” or “operation” after actuation, depending on the adjustment.		PC	9091225	Each	308
Anti-panic lock for profile cylinder with anti-panic spindle, for lever handle outside Function D: After being operated from the inside, the door can always be operated from the outside without using a key.		PC	9091226	Each	308
Anti-panic lock for profile cylinder with anti-panic spindle, for lever handle outside Function B inwards: With change-over function; depending on the adjustment, after being actuated, the lever handle is switched to “idle” or “operation”.		PC	9091227	Each	394
Notice: Escape door function for inward opening doors not approved according to EN 179!					
Anti-panic lock for fixed knob on outside, self-locking with automatic bolt Function E: The door can only be opened using a key from the outside.		PC	9093758	Each	488
		KABA	9093759	Each	488
Anti-panic lock for lever handle on outside, self-locking with automatic bolt Function B: With the change-over function; the lever handle is switched to “idle” or “operation” after actuation, depending on the adjustment.		PC	9093760	Each	574
		KABA	9093761	Each	574
Multiple-point locking			Article no.		€
Multiple-point locking with latch, bolt, 2 locking hooks, 2 lock bolts and security rose escutcheon (cannot be retrofitted / not available with anti-panic lock).		PC	9093762	Each	473
		KABA	9093763	Each	
Multiple-point locking with anti-panic function E Function E: The door can only be opened using a key from the outside.		PC	9094311	Each	811
		KABA	9094312	Each	
Multiple-point locking with anti-panic function B Function B: With the change-over function; the lever handle is switched to “idle” or “operation” after actuation, depending on the adjustment.		PC	9094307	Each	919
		KABA	9094308	Each	
Multiple-point locking with anti-panic function D Function D: After being operated from the inside, the door can always be operated from the outside without using a key.		PC	9094309	Each	919
		KABA	9094310	Each	

Accessories

For side doors NT 60 R

Self-locking anti-panic locks SVP 5000, SVP 4000, SVP 2000 DCW, SVP 6000			Article no.	€
For anti-panic locks SVP 5000, 4000 and 2000, all the lever / knob handle sets listed on page 46 are suitable.				
Self-locking anti-panic lock SVP 5000 no. 5729			9097119	Each 806
Self-locking anti-panic lock SVP 4000 no. 4729 with connection cable SVP-A 1100			9097120	Each 1391
Anti-panic lock SVP 2000 DCW no. 2729, self-locking automatic door opener with connection cable SVP-A 1100 (lock control must be supplied on site)			9097121	Each 2825
Anti-panic lock SVP 6000, self-locking with split lever spindle and detachable outside lever handle, with connection cable SVP-A 1100	No. 6720, right outwards, left inwards	9097122	Each	2155
	No. 6729, left outwards, right inwards	9097123	Each	2155
Self-locking anti-panic locks 309X, 409X, 509X, 709X			Article no.	€
For anti-panic locks 309X, 409X and 509X, all the lever / knob handle sets listed on page 46 are suitable.				
Self-locking anti-panic lock 309X 302			9073922	Each 900
Self-locking anti-panic lock 409X 302 with connection cable Z09			9073923	Each 1446
Anti-panic lock 509X 302, self-locking motor lock with connection cable Z09 (Lock control must be provided on site)			9073924	Each 2911
Self-locking anti-panic lock 709X 302 with handle-control and connection cable Z09 (Current variant and anti-panic side adjustable)			9073925	Each 2253
Additional fixing sets for side doors			Article no.	€
Fixing set for fitting to steel			9090341	Each 29
Fixing set for fitting to brickwork			9050992	Each 29
8 support brackets, including screws, washers and plugs			9092545	Each 29
Additional accessories for side doors			Article no.	€
Latch contact for closing control (VdS class C)			9093964	Each 125
Block reed contact (magnetic contact) for Open / Close query (VdS class C)			9092546	Each 115
Push bar for escape door, interior (anti-panic lock required)			9073554	Each 992
Stainless steel push bar 38-2, brushed, 1000 mm, exterior (Additional lever handle set in brushed stainless steel required)			9091389	Per door 569
Side door without hole pattern			Article no.	€
Side door without lock and lever handle set			9060562	No surcharge
Side door without hole pattern for lever handle outside with double cylinder (The door can only be opened using a key from the outside)			9060563	Per door 132
Side door without hole pattern for lock and lever handle outside with half cylinder (The door can only be operated from the inside)			9060564	Per door 124
Frame fascia panel			Article no.	€
Natural finish aluminium frame E6/C-0, infill made of rolling shutter laths	RAM (width x height) Max. 1300 x 5800 mm	Decotherm S	9805211	Per m ² 811
		HR 120 A, HR 120 aero	9805213	Per m ² 811
Natural finish aluminium frame E6/C-0, infill made of rolling grille bars	RAM (width x height) Max. 1300 x 5800 mm	HG-V	9805215	Per m ² 1245
		HG-S	9805216	Per m ² 1005
		HG-L	9805214	Per m ² 1054

Standard colours, preferred colours and special colours for rolling shutters

Coil-coated (only door curtain without bottom profile)

Add the surcharge to the price for rolling shutters.

Surcharges for special colours and preferred colours only apply to standard doors. Please contact Hörmann KG Dissen for surcharges for high-lift doors, doors with fascia panels, side elements, etc. Delivery times for special colours on request.

Please note that colours may deviate from those on:

- Already delivered doors
- Other products

Standard colours					€								
Decotherm S	RAL 9002 RAL 9006	Grey white White aluminium	(Same colour on outside and inside)	Per m² door surface	27								
HR 120 A	RAL 9002 RAL 9006	Grey white White aluminium	Basalt grey protective paint RAL 7012 inside	Per m² door surface	36								
HR 120 aero	RAL 9002 RAL 9006	Grey white White aluminium	Basalt grey protective paint RAL 7012 inside	Per m² door surface	41								
Preferred colours					€								
Decotherm S	RAL 3000	Flame red	► Same colour on outside and inside	Per m² door surface	62								
	RAL 5010	Gentian blue											
	RAL 6005	Moss green											
	RAL 7016	Anthracite grey											
	RAL 8028	Terra brown											
	RAL 9007	Grey aluminium											
HR 120	RAL 9016	Traffic white	► Exterior preferred colour, interior protective paint in Basalt grey RAL 7012	Per m² door surface	58								
	RAL 3000	Flame red											
	RAL 5010	Gentian blue											
	RAL 6005	Moss green											
	RAL 7016	Anthracite grey											
	RAL 8028	Terra brown											
RAL 9007	Grey aluminium												
Special colours according to RAL or DB													
Surcharges per m² door surface (= sum of all door surfaces, side door surfaces and panels in an order that have both the same profile type and same colour)													
Decotherm S		Door surface in m²	From 7	From 11	From 15	From 19	From 23	From 32	From 40	From 53	From 65	From 82	From 103
Same special colour on outside and inside		€ per m²	651	439	342	278	250	219	199	177	156	135	127
For a total door surface of under 7 m²		Flat rate €	4537										
HR 120 A		Door surface in m²	From 12	From 19	From 26	From 33	From 41	From 55	From 70	From 91	From 113	From 142	From 178
Special colour on outside, inside protective paint in Basalt grey, RAL 7012		€ per m²	340	239	195	164	145	128	115	104	102	97	89
For a total door surface of under 12 m²		Flat rate €	4162										

Colours and anodising for rolling grilles

Powder-coated or anodised (only door curtain without bottom profile)

Extended rolling shutter curtain for rolling shutters DD					
Conceals the pressure and wear points on the topmost door profiles caused by the screw-on brackets					
Door price = price for a 500 mm higher door					
Surcharge for special and preferred colours = surcharge for a 500 mm higher door					
Notice:					
Also take into account the space required for a 500 mm higher door.					
Please note that colours may deviate from those on:					
– Already delivered doors					
– Other products					
Colours for HG-S and HG-L (= total rolling grille surface of all doors in an order with the same colour)			Article no.	Surcharge per m ² rolling grille surface	€
Powder-coated RAL colour to choose	Max. rolling grille width 6500 mm	HG-L	9800850	Per m ²	197
		HG-S	9020008	Per m ²	354
Anodised for HG-L (= total rolling grille surface of all doors in an order with the same colour)			Article no.	Surcharge per m ² rolling grille surface	€
Anodised with natural finish E6/C-0	Max. rolling grille width 6500 mm	HG-L	9800851	Per m ²	305
NCS or DB colours					On request

Standard colours, preferred colours and special colours and anodising for side doors NT 60 R

Door infill rolling shutter curtain – coil-coated Door infill rolling grille curtain – powder-coated or anodised

Add the surcharge to the price for side doors Please note that colours may deviate from those on already delivered rolling shutters / rolling grilles and side doors as well as other products.					
Standard colours					€
RAL 9002 Grey white RAL 9006 White aluminium	Decotherm S	Same colour on outside and inside	Per m ² door area (RAM)		27
	HR 120 A	Basalt grey protective paint RAL 7012 inside	Per m ² door area (RAM)		36
	HR 120 aero	Basalt grey protective paint RAL 7012 inside	Per m ² door area (RAM)		41
Preferred colours					€
RAL 3000 Flame red RAL 5010 Gentian blue RAL 6005 Moss green RAL 7016 Anthracite grey RAL 8028 Terra brown RAL 9007 Grey aluminium RAL 9016 Traffic white *	Decotherm S	Same colour on outside and inside	Per m ² door area (RAM)		62
	HR 120	Exterior preferred colour, interior protective paint in Basalt grey RAL 7012	Per m ² door area (RAM)		58
Special colours					€
RAL or DB colour to choose	Decotherm S	Same colour on outside and inside	Per m ² door area (RAM)	For prices see special colours for rolling shutters on page 48 **	
	HR 120	Special colour on outside, inside protective paint in Basalt grey, RAL 7012	Per m ² door area (RAM)		
RAL colour to choose	HG-L	Powder coating	Per m ² door area (RAM)		197
	HG-S	Powder coating	Per m ² door area (RAM)		354
** The price for coating in special colours is based on the total sum of the surface with a rolling shutter in a RAL colour.					
Anodised					€
E6/C-0	HG-L	Anodised natural finish	Per m ² door area (RAM)		305

Additional posts

Galvanized steel

For rolling shutters and rolling grilles

Additional posts, hot-galvanized		Article no.		€
20 × 60 × 2 mm	Galvanized, cut to length	9800070	Per m	33
	Galvanized, in raw length 6050 mm	9800075	Unit(s)	129
30 × 60 × 2 mm	Galvanized, cut to length	9800043	Per m	35
	Galvanized, in raw length 6050 mm	9800047	Unit(s)	125
40 × 60 × 2 mm	Galvanized, cut to length	9800071	Per m	39
	Galvanized, in raw length 6050 mm	9800076	Unit(s)	129
60 × 60 × 2 mm	Galvanized, cut to length	9800044	Per m	48
	Galvanized, in raw length 6050 mm	9800048	Unit(s)	200
80 × 60 × 2 mm	Galvanized, cut to length	9800089	Per m	54
	Galvanized, in raw length 6050 mm	9800090	Unit(s)	233
100 × 60 × 2 mm	Galvanized, cut to length	9800072	Per m	53
	Galvanized, in raw length 6050 mm	9800077	Unit(s)	216
120 × 60 × 2 mm	Galvanized, cut to length	9800045	Per m	53
	Galvanized, in raw length 9000 mm	9800050	Unit(s)	312
160 × 60 × 2 mm	Galvanized, cut to length	9800046	Per m	70
	Galvanized, in raw length 9000 mm	9800051	Unit(s)	429
180 × 60 × 3 mm	Galvanized, cut to length	9800073	Per m	107
	Galvanized, in raw length 7050 mm	9800078	Unit(s)	494
200 × 60 × 2.5 mm	Galvanized, cut to length	9800074	Per m	102
	Galvanized, in raw length 6980 mm	9800079	Unit(s)	396
Fixing material for additional posts		Article no.		€
Fixing material set for additional posts		9801746	Per set	54
Weld-on plate for additional posts		9801745	Each	75

Shaft operator WA 250 R S4

Integrated control

For rolling shutters SB and rolling grilles SB

Operator:

- Ready-to-fit shaft operator
- Power input
- 1-phase current 0.25 kW
- Protection category IP 65 (jet-water protected)
- Max. 50 door cycles per day
- Max. 5 door cycles per hour

Control:

- Integrated microprocessor control
- Connection cable with CEE plug in protection category IP 44 (splash-water protected)

Function:

- Opening and closing in press-and-hold operation
- Soft start and soft stop

► Possible door types and sizes identical to those for the WA 300 R S4

WA 250 R S4 operator						
Control		Fixing possibilities and equipment		Article no.	Surcharge in €	
• Integrated control • 230 V 1-phase current		For attaching with chain wheel transmission	incl. push button DTH-R Open-Stop-Close	636753	597	
			Without push button DTH-R Open-Stop-Close	639793	525	
Surcharge for emergency operation				Article no.	€	
Secured release			Surcharge	637729	52	
Lockable release ASE-300 on exterior, for outside operation, incl. Bowden cable (only in combination with secured release, article no. 637729)			Surcharge	637733	169	
Control elements				Article no.	€	
Push button DTH-RM, Open-Stop-Close and miniature lock, omission of DTH-R			1)	Surcharge	637721	27
Push button control 300 U, in extension housing with integrated main switch for all-pole switch-off, omission of mains lead and DTH-R			1) 2)	Surcharge	636294	114
Separate main switch, incl. connecting lead for control, Omission of mains lead with 230 V CEE plug			2)	Surcharge	637724	125
Mains lead 1.2 m with 230 V CEE plug, for separate main switch				635486	17,80	
Additional accessories				Article no.	€	
Magnet switch with fixing material for limit switch reporting				637743	63	
Option relay HOR 1-300, relay for limit switch reporting "Open" or warning lights (IP 20)				636933	31	
Accessory housing with seal and fitting accessories, IP 65 for HOR 1-300				637758	43	
Universal adapter print UAP1-300, relay for limit switch reporting "Open" and "Close" and warning lights in the housing (IP 65)				637728	83	
TL40ye, LED traffic light, yellow (230 V / 50 Hz), HOR 1-300 or UAP 1-300 required				637536	112	
Overview of accessory combinations						

Page 62 – 73

1) Articles 637730, 637721 and 636294 cannot be combined

2) Articles 637724 and 636294 cannot be combined

Shaft operator WA 300 R S4

Integrated control

For SB rolling shutters / rolling grilles and TGT rolling shutters / rolling grilles

Power limit * in "Open" and "Close" directions

Operator:

- Ready-to-fit shaft operator
- Power input
 - 1-phase current 0.25 kW
- Protection category IP 65 (jet-water protected)
- Door cycles SB
 - Max. 50 door cycles per day
 - Max. 10 door cycles per hour
- Door cycles TGT
 - Max. 300 door cycles per day
 - Max. 20 door cycles per hour

* Not for all door sizes / curtains (note the rolling shutter SB price tables)

** SKS may be required (note the rolling shutter SB price tables)

Control:

- Integrated microprocessor control
- Adjustable power limit
- Connection cable with CEE plug in protection category IP 44 (splash-water protected)

Function:

- Opening with impulse
- Closing with impulse **
- Automatic timer ** (only in conjunction with activating kit for warning lights and photocell)
- Soft start and soft stop

WA 300 R S4 operator				
Control	Fixing possibilities and equipment		Article no.	Surcharge in €
• Integrated control • 230 V 1-phase current	For attaching with chain wheel transmission, incl. push button DTH-R Open-Stop-Close	For rolling shutters / rolling grilles SB	636775	768
		For rolling shutters / rolling grilles TGT	–	–
	For attaching with chain transmission • Without push button DTH-R (Open-Stop-Close)	For rolling shutters / rolling grilles SB	639773	720
		For rolling shutters / rolling grilles TGT	–	–
	Notice: Article must be selected if the WA 300 R S4 should be combined with a loading technology control 420 Si / Ti. The combination control 420 Si or 420 Ti must be ordered separately via the loading technology industrial price list.			
Surcharge for emergency operation			Article no.	€
Secured release		Surcharge	637729	52
Lockable release ASE-300 on exterior, for outside operation, incl. Bowden cable (only in combination with secured release, article no. 637729)		Surcharge	637733	169
Control elements			Article no.	€
Push button DTH-RM, Open-Stop-Close and miniature lock, omission of DTH-R		¹⁾ Surcharge	637721	27
Push button DTH-I, Impulse-Stop-1/2 / Open incl. UAP1-300, omission of DTH-R		¹⁾ Surcharge	637722	92
Push button DTH-I, Impulse-Stop-1/2 / Open and miniature lock, incl. UAP1-300, omission of DTH-R		¹⁾ Surcharge	637723	117
Push button control 300 U, in extension housing for flange-mounting of 460 S/T loading technology control, omission of mains lead and DTH-R (required for integrated lock HOR 1-300 for control 300 U art. no. 635377)		^{1) 2)} Surcharge	636293	52
Push button control 300 U, in extension housing with integrated main switch for all-pole switch-off, omission of mains lead and DTH-R		^{1) 2)} Surcharge	636294	114
Separate main switch, incl. connecting lead for control, Omission of mains lead with 230 V CEE plug		²⁾ Surcharge	637724	125
Mains lead 1.2 m with 230 V CEE plug, for separate main switch			635486	17,80
Closing edge safety devices			Article no.	€
Closing edge safety device (SKS for impulse operation) with optosensors, complete		Surcharge	637735	210
Photocells			Article no.	€
Weather protective covers for photocells see page 70				
One-way photocell EL 301 with floor fitting (to be used both inside and outside)			436313	118
Reflection photocell * RL 300, industrial floor fitting (for use in dry interiors)			635022	195
* Notice: Reflective objects, e.g. Reflective strips on clothing or vehicles, might not be recognised by the reflection photocell.				

Air inlet control	Article no.	€
Air inlet control AC72 In industrial full housing with miniature lock, omission of DTH-R	Surcharge 4550801	1171
Air inlet control AC72 with PHC In full industrial housing with profile half cylinder, omission of DTH-R	Surcharge 4551228	1242
Notice on air inlet control AC72 and AC72 with PHZ: • Cannot be combined with control 360. • In combination with a dock leveller control 560 S/T/V or without dock leveller, the push button control 300 U (surcharge) (article no. 636293) must be ordered separately for the WA 300 R S4 (article no. 636775). • In combination with the dock leveller control 420 Si/Ti, article no. WA 300 R S4 must be ordered without DTH-R (639773). • The dock leveller controls must be ordered separately with the dock leveller order.		
Cable monitoring UEB3 2K7 AE	635447	83
Combination warning light KSL, visual / acoustic	639350	76
Yellow LED traffic lights	436515	32
Yellow LED traffic lights, incl. piezo	436518	37
Power supply unit 24 V / 24 W to increase the charging current according to the requirements of DIN EN 12101-10 (can be integrated in 300 U)	4548491	60
Power supply unit connection accessories	636356	21
Additional accessories	Article no.	€
Lintel trap guard EZS-300 for WA 300 R S4	637784	478
Magnet switch with fixing material, for electric locking with air lock doors or loading ramps	637743	63
Option relay HOR 1-300, relay for limit switch reporting "Open" or warning lights (IP 20)	636933	31
Option relay HOR 1-300 for control 300 U, relay for locking for loading technology	Surcharge 635377	51
Accessory housing with seal and fitting accessories, IP 65 for HOR 1-300	637758	43
Universal adapter print UAP1-300, relay for limit switch reporting "Open" and "Close" and warning lights in the housing (IP 65)	637728	83
Emergency battery HNA-300, main switch required	637717	189
TL40ye, LED traffic light, yellow (230 V / 50 Hz), HOR 1-300 or UAP 1-300 required	637536	112
Overview of accessory combinations		Page 62 – 73

1) Articles 637730, 636874, 637721, 637722, 637723, 636293 and 636294 cannot be combined

2) Articles 637724, 636293 and 636294 cannot be combined

Shaft operator WA 300 R S4

External control 360 in industrial extension housing

For SB rolling shutters / rolling grilles and TGT rolling shutters / rolling grilles

Power limit * in "Open" and "Close" directions

Operator:

- Ready-to-fit shaft operator
- Power input
 - 1-phase current 0.25 kW
- Protection category IP 65 (jet-water protected)
- Door cycles SB
 - Max. 50 door cycles per day
 - Max. 10 door cycles per hour
- Door cycles TGT
 - Max. 300 door cycles per day
 - Max. 20 door cycles per hour

* Not for all door sizes / curtains (note the rolling shutter SB price tables)

** SKS may be required (note the rolling shutter SB price tables)

Control:

- External microprocessor control in a separate housing with integrated membrane push button, Open-½ / Open-Stop-Close and miniature lock, protection category IP 65 (jet-water protected)
- Adjustable power limit
- Connection cable with CEE plug in protection category IP 44 (splash-water protected)
- Control fitting directly next to the rolling shutter

Function:

- Opening with impulse
- Closing with impulse **
- Any second opening height (½ open)
- Adjustable automatic timer ** (only in conjunction with activating kit for warning lights and photocell)
- Prepared for traffic control (only in conjunction with activating kit for warning lights and photocell)
- Soft start and soft stop

WA 300 R S4 operator					
Control		Fixing possibilities and equipment		Article no.	Surcharge in €
• External control 360 • 230 V 1-phase current		For attaching with chain wheel transmission	For rolling shutters / rolling grilles SB	636777	1061
			For rolling shutters / rolling grilles TGT	636288	296
Surcharge for emergency operation				Article no.	€
Secured release		Surcharge	637729	52	
Lockable release ASE-300 on exterior, for outside operation, incl. Bowden cable (only in combination with secured release, article no. 637729)		Surcharge	637733	169	
Control elements				Article no.	€
All-pole switch-off main switch in control housing (Omission of mains lead with CEE plug)		Surcharge	637105	72	
Lockable control with profile half cylinder		Surcharge	637100	72	
Mains lead 1.2 m with 230 V CEE plug, for controls with main switch			635486	17,80	
Closing edge safety devices				Article no.	€
Closing edge safety device (SKS for impulse operation) with optosensors, complete		Surcharge	637735	210	
Photocells				Article no.	€
Weather protective covers for photocells see page 70					
One-way photocell EL 301 with floor fitting (to be used both inside and outside)			436313	118	
One-way photocell EL 51 (to be used both inside and outside)			637023	167	
One-way photocell EL 61 for extremely wet areas, IP 67 (powerful jet-water protected)			637222	568	
Reflection photocell * RL 300, industrial floor fitting (for use in dry interiors)			635022	195	
Reflection photocell * RL 52 as a command unit (application area: for use in dry interiors)			637084	202	
* Notice:					
Reflective objects, e.g. Reflective strips on clothing or vehicles, might not be recognised by the reflection photocell.					
Activating kits for warning lights (photocell required)				Article no.	€
Activating kit for warning lights ZS 360 / 400 with 2 yellow LED traffic lights and multi-function circuit board, without extension housing			637530	328	
Activating kit for warning lights ZS 360 with 2 yellow LED traffic lights and weekly timer ZSU 2, without extension housing			637780	504	
Activating kit for warning light MP 360 with 2 LED traffic lights, without extension housing		2-arm red / green (230 V / 50 Hz)		637731	475
		1-arm red / green (24 V DC)		638955	475
Activating kit for warning lights MP 360 with 2 LED traffic lights and weekly timer ZSU 2, without extension housing		2-arm red / green (230 V / 50 Hz)		637779	771
		1-arm red / green (24 V DC)		638956	771

Additional accessories	Article no.	€
Power supply unit, input voltage 230 V AC, output voltage 24 V DC / 24 W	4548491	60
Power supply unit connection accessories (article no. 4548491)	636356	21
Lintel trap guard EZS-300 for WA 300 R S4	637784	478
Magnet switch with fixing material, for electric locking with air lock doors or loading ramps	637743	63
Multi-function circuit board with 2 relays (programmable)	637026	107
Circuit board for limit switch reporting with 2 relays (only in combination with multi-function circuit board, traffic control or central control)	637028	58
Circuit board for central control / smoke detector device	637243	112
Extension housing for industrial door controls (semi-housing)	637014	68
Summer / winter activating kit with function report, in extension housing	637036	404
Control double housing for extremely wet areas, IP 66 (powerful jet-water protected)	637035	450
UPS system for control 360	639353	2382

Overview of accessory combinations

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Shaft operator WA 300 AR S4

External control 300 in industrial extension housing

For SB rolling shutters / rolling grilles and TGT rolling shutters / rolling grilles

Power limit * in "Open" and "Close" directions

Operator:

- Ready-to-fit shaft operator
- Power input
 - 1-phase current 0.25 kW
- Protection category IP 20 (protection category IP 44 with curtain cover on the door)
- Door cycles for rolling shutters / rolling grilles SB:
 - Max. 50 door cycles per day
 - Max. 10 door cycles per hour
- Door cycles for rolling shutters / rolling grilles TGT:
 - Max. 300 door cycles per day
 - Max. 20 door cycles per hour

* Not for all door sizes / curtains (note the rolling shutter SB price tables)

** SKS may be required (note the rolling shutter SB price tables)

Control:

- External microprocessor control in a separate housing with integrated Open-Stop-Close membrane push button and miniature lock, protection category IP 65 (jet-water protected)
- Adjustable power limit
- Connection cable with CEE plug in protection category IP 44 (splash-water protected)
- Control fitting directly next to the rolling shutter

Function:

- Opening with impulse
- Closing with impulse **
- Adjustable automatic timer ** (only in conjunction with activating kit for warning lights and photocell)
- Soft start and soft stop

Operator WA 300 AR S4					
Control		Fixing possibilities and equipment		Article no.	Surcharge in €
• External control 300 • 230 V 1-phase current		For attaching with chain wheel transmission incl. secured release	For rolling shutters / rolling grilles SB	636741	1116
			For rolling shutters / rolling grilles TGT	636286	347
Surcharge for emergency operation				Article no.	€
Lockable release ASE-300 on exterior, for outside operation, incl. Bowden cable			Surcharge	637733	169
Control elements				Article no.	€
All-pole switch-off main switch in control housing (Omission of mains lead with CEE plug)			Surcharge	637105	72
Mains lead 1.2 m with 230 V CEE plug, for controls with main switch				635486	17,80
Closing edge safety devices				Article no.	€
Closing edge safety device (SKS for impulse operation) with optosensors, complete			Surcharge	637735	210
Photocells				Article no.	€
Weather protective covers for photocells see page 70					
Reflection photocell * RL 300, industrial floor fitting (for use in dry interiors)				635022	195
* Notice:					
Reflective objects, e.g. Reflective strips on clothing or vehicles, might not be recognised by the reflection photocell.					
Air inlet control				Article no.	€
Air inlet control AC72 in full industrial housing with miniature lock			Surcharge	4550801	1171
Air inlet control AC72 with PHC in full industrial housing with profile half cylinder			Surcharge	4551228	1242
Notice on air inlet control AC72 and AC72 with PHZ:					
• Cannot be combined with control 360. • The dock leveller controls must be ordered separately with the dock leveller order.					
Cable monitoring UEB3 2K7 AE				635447	83
Combination warning light KSL, visual / acoustic				639350	76
Yellow LED traffic lights				436515	32
Yellow LED traffic lights, incl. piezo				436518	37
Power supply unit 24 V / 24 W to increase the charging current according to the requirements of DIN EN 12101-10 (extension housing required, article no. 637014)				4548491	60
Power supply unit connection accessories				636356	21
Additional accessories				Article no.	€
Lintel trap guard EZS-300 for WA 300 R S4				637784	478
Magnet switch with fixing material, for electric locking with air lock doors or loading ramps				637743	63
Option relay HOR 1-300, relay for limit switch reporting “Open” or warning lights (IP 20)				636933	31
Accessory housing with seal and fitting accessories, IP 65 for HOR 1-300				637758	43
Universal adapter print UAP1-300, relay for limit switch reporting “Open” and “Close” and warning lights in the housing (IP 65)				637728	83
Control double housing for extremely wet areas, IP 66 (powerful jet-water protected)				637035	450
Overview of accessory combinations					

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Shaft operator WA 300 AR S4

External control 360 in industrial extension housing

For SB rolling shutters / rolling grilles and TGT rolling shutters / rolling grilles

Power limit * in "Open" and "Close" directions

Operator:

- Ready-to-fit shaft operator
- Power input
 - 1-phase current 0.25 kW
- Protection category IP 20 (protection category IP 44 with curtain cover on the door)
- Door cycles for rolling shutters / rolling grilles SB:
 - Max. 50 door cycles per day
 - Max. 10 door cycles per hour
- Door cycles for rolling shutters / rolling grilles TGT:
 - Max. 300 door cycles per day
 - Max. 20 door cycles per hour

* Not for all door sizes / curtains (note the rolling shutter SB price tables)

** SKS may be required (note the rolling shutter SB price tables)

Control:

- External microprocessor control in a separate housing with integrated membrane push button, Open-½ / Open-Stop-Close and miniature lock, protection category IP 65 (jet-water protected)
- Adjustable power limit
- Connection cable with CEE plug in protection category IP 44 (splash-water protected)
- Control fitting directly next to the rolling shutter

Function:

- Opening with impulse
- Closing with impulse **
- Any second opening height (½ open)
- Adjustable automatic timer ** (only in conjunction with activating kit for warning lights and photocell)
- Prepared for traffic control (only in conjunction with activating kit for warning lights and photocell)
- Soft start and soft stop

Operator WA 300 AR S4				
Control	Fixing possibilities and equipment		Article no.	Surcharge in €
• External control 360 • 230 V 1-phase current	For attaching with chain wheel transmission incl. secured release	For rolling shutters/ rolling grilles SB	636739	1408
		For rolling shutters/ rolling grilles TGT	636357	644
Surcharge for emergency operation			Article no.	€
Lockable release ASE-300 on exterior, for outside operation, incl. Bowden cable		Surcharge	637733	169
Control elements			Article no.	€
All-pole switch-off main switch in control housing (Omission of mains lead with CEE plug)		Surcharge	637105	72
Lockable control with profile half cylinder		Surcharge	637100	72
Mains lead 1.2 m with 230 V CEE plug, for controls with main switch			635486	17,80
Closing edge safety devices			Article no.	€
Closing edge safety device (SKS for impulse operation) with optosensors, complete		Surcharge	637735	210
Photocells			Article no.	€
Weather protective covers for photocells see page 70				
Reflection photocell * RL 300, industrial floor fitting (for use in dry interiors)			635022	195
Reflection photocell * RL 52 as a command unit (application area: for use in dry interiors)			637084	202
* Notice:				
Reflective objects, e.g. Reflective strips on clothing or vehicles, might not be recognised by the reflection photocell.				
Activating kits for warning lights (photocell required)			Article no.	€
Activating kit for warning lights ZS 360 / 400 with 2 yellow LED traffic lights and multi-function circuit board, without extension housing			637530	328
Activating kit for warning lights ZS 360 with 2 yellow LED traffic lights and weekly timer ZSU 2, without extension housing			637780	504
Activating kit for warning light MP 360 with 2 LED traffic lights, without extension housing	2-arm red / green (230 V / 50 Hz)		637731	475
	1-arm red / green (24 V DC)		638955	475
Activating kit for warning lights MP 360 with 2 LED traffic lights and weekly timer ZSU 2, without extension housing	2-arm red / green (230 V / 50 Hz)		637779	771
	1-arm red / green (24 V DC)		638956	771
Additional accessories			Article no.	€
Power supply unit, input voltage 230 V AC, output voltage 24 V DC / 24 W			4548491	60
Power supply unit connection accessories (article no. 4548491)			636356	21
Lintel trap guard EZS-300 for WA 300 R S4			637784	478
Magnet switch with fixing material, for electric locking with air lock doors or loading ramps			637743	63
Multi-function circuit board with 2 relays (programmable)			637026	107
Circuit board for limit switch reporting with 2 relays (only in conjunction with multi-function circuit board article no. 637026)			637028	58
Circuit board for central control / smoke detector device			637243	112
Extension housing for industrial door controls (semi-housing)			637014	68
Summer / winter activating kit with function report, in extension housing			637036	404
Control double housing for extremely wet areas, IP 66 (powerful jet-water protected)			637035	450
UPS system for control 360			639353	2382

Overview of accessory combinations

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Control 445 R and optional extras

Operator:

- Fully fitted operator
- Power input depending on the door
- Protection category IP 65 (jet-water protected)
- Electronic absolute encoder (AWG) for determining the door position

Control:

- Microprocessor control in separate housing, Open-Stop-Close membrane push button integrated in housing, miniature lock, protection category IP 65 (jet-water protected)
- Connection cable with CEE plug in protection category IP 44 (splash-water protected)
- Control fitting directly next to the rolling shutter, plug-in door leaf sensors

Function:

- Opening with impulse (please observe the notice below)
- Closing with press-and-hold actuation (without SKS)
Closing with impulse (with optional SKS)
- Setting of door end-of-travel positions via the control

Notices:

- Rolling shutters < 2500 mm door height require a lintel trap guard and a trap guard in press-and-release operation.
- Rolling grilles with press-and-release operation always require a lintel trap guard.

We recommend using a 400 V 3-phase unit due to its longer on-time and smoother running.

Control	Version	Article no.	Surcharge in €	
Control 445 R for: • 400 V 3-phase current • 230 V 3-phase current • 230 V 1-phase current	In housing	636839	Standard	
	In housing with main switch	636840	69	
	In housing with profile half cylinder	636841	69	
	In housing with main switch and profile half cylinder	636842	140	
Closing edge safety device / radio activating kit		Article no.	€	
Closing edge safety device with optosensors complete		636865	422	
Gelbau strip DD (required from a door width of 7500 mm)		Per running metre door width	9801794	115
Gelbau strip DD for bottom profile with recess		Per section	9801798	185
Radio activating kit extension set (omission of coiled cable) Notice: Can only be selected in combination with closing edge safety device (article no. 636865).		Surcharge	637849	493
Photocells		Article no.	€	
Weather protective covers for photocells see page 70				
One-way photocell EL 51 (recommended for use in interiors and exteriors), for door widths up to 8000 mm		637023	167	
One-way photocell EL 61, protection category IP 67 (protection against temporary submersion), for door widths up to 12000 mm		637222	568	
Reflector for reflection photocell RL 50, for door widths from 8000 mm to 12000 mm		638163	13	
Reflection photocell * RL 50 (for use in dry interiors), for door widths up to 8000 mm		637086	195	
Reflection photocell * RL 52 as a command unit (for use in dry interiors), for door widths up to 8000 mm		637084	202	
* Notice: Reflective objects, e.g. Reflective strips on clothing or vehicles, might not be recognised by the reflection photocell.				
Additional accessories		Article no.	€	
Control double housing for extremely wet areas, IP 66 (splash-water protected)		637035	450	
Lintel trap guard including the required fixing material (only with door order) for doors with up to 5000 mm door width		637692	478	
Lintel trap guard including the required fixing material (only with door order) for doors with up to 12000 mm door width		637693	526	
Multi-function circuit board with 2 relays (programmable)		637026	107	
Extension housing for industrial door controls		637014	68	
Circuit board for limit switch reporting with 2 relays (only in conjunction with a multi-function circuit board art. no. 637026) (extension housing required, article no. 637014)		637028	58	
Surcharge for locking element ETV 1 for automatic locking of the door in the closed end position Notice: • Operator control limit switch reporting for door closed is required for the automatic locking function. • A start warning (multi-function circuit board required) must be set for automatic unlocking. An automatic timer cannot be programmed if a start warning is set.		4553929	295	
Adapter print for safety equipment with fitting accessories for integrating photocells from other makes		637104	125	
Activating kit for warning lights ZS 360 / 400 with 2 yellow LED traffic lights and multi-function circuit board, without extension housing		637530	328	

Overview of accessory combinations

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Notice:

Not for rolling shutter / grille SB and rolling shutter / grille TGT!

Control 460 R and optional extras

Operator:

- Fully fitted operator
- Power input depending on the door
- Protection category IP 65 (jet-water protected)
- Electronic absolute encoder (AWG) for determining the door position

Control:

- Microprocessor control in separate housing, 1/2 open-Open-Stop-Close membrane push button integrated in housing, miniature lock, protection category IP 65 (jet-water protected)
- Self-monitoring closing edge safety device (SKS) with optosensors
- Connection cable with CEE plug in protection category IP 44 (splash-water protected)
- Control fitting directly next to the rolling shutter, plug-in door leaf sensors.

Function:

- Opening with impulse (please observe the notice below)
- Closing with impulse
- Any second opening height (1/2 open)
- Setting of door end-of-travel positions via the control
- Automatic timer *
- Prepared for traffic control *

* Only in conjunction with an activating kit for warning lights and a photocell.

Notices:

- Rolling shutters < 2500 mm door height require a lintel trap guard and a trap guard in press-and-release operation.
- Rolling grilles with press-and-release operation always require a lintel trap guard.

We recommend using a 400 V 3-phase unit due to its longer on-time and smoother running.

Control	Version	Article no.	Surcharge in €
Control 460 R for: • 400 V 3-phase current • 230 V 3-phase current • 230 V 1-phase current	In housing	636834	564
	In housing with main switch	636835	635
	In housing with profile half cylinder	636836	635
	In housing with main switch and profile half cylinder	636837	701
Closing edge safety device / radio activating kit		Article no.	€
Gelbau strip DD (required from a door width of 7500 mm) Per running metre door width		9801794	115
Gelbau strip DD for bottom profile with recess Per section		9801798	185
Radio activating kit extension set (omission of coiled cable) Surcharge		637849	493
Photocells		Article no.	€
Weather protective covers for photocells see page 70			
One-way photocell EL 51 (recommended for use in interiors and exteriors), for door widths up to 8000 mm		637023	167
One-way photocell EL 61, protection category IP 67 (protection against temporary submersion), for door widths up to 12000 mm		637222	568
Reflector for reflection photocell RL 50, for door widths from 8000 mm to 12000 mm		638163	13
Reflection photocell * RL 50 (for use in dry interiors), for door widths up to 8000 mm		637086	195
Reflection photocell * RL 52 as a command unit (for use in dry interiors), for door widths up to 8000 mm		637084	202
* Notice: Reflective objects, e.g. Reflective strips on clothing or vehicles, might not be recognised by the reflection photocell.			
Activating kits for warning lights (photocell required)		Article no.	€
Activating kit for warning lights ZS 360 / 400 with 2 yellow LED traffic lights and multi-function circuit board, without extension housing		637530	328
Activating kit for warning lights ZS 400 with 2 yellow LED traffic lights and weekly timer, with extension housing		637531	536
Activating kit for warning lights MP 400 traffic control with 2 LED traffic lights, with extension housing	2-arm red / green (230 V / 50 Hz)	637532	621
	1-arm red / green (24 V DC)	638957	621
Activating kit for warning lights MP 400 traffic control with 2 LED traffic lights and weekly timer ZSU 2, with extension housing	2-arm red / green (230 V / 50 Hz)	637533	803
	1-arm red / green (24 V DC)	638958	803
Additional accessories		Article no.	€
Control double housing for extremely wet areas, IP 66 (splash-water protected)		637035	450
Lintel trap guard including the required fixing material (only with door order) for doors with up to 5000 mm door width		637692	478
Lintel trap guard including the required fixing material (only with door order) for doors with up to 12000 mm door width		637693	526
Extension housing for industrial door controls		637014	68
Multi-function circuit board with 2 relays (programmable)		637026	107
Circuit board for limit switch reporting with 2 relays (only in conjunction with a multi-function circuit board art. no. 637026, central control circuit board art. no. 637243 or traffic control MP 400), (extension housing required, article no. 637014)		637028	58
Surcharge for locking element ETV 1 for automatic locking of the door in the closed end position		4553929	295
Notice: • Operator control limit switch reporting for door closed is required for the automatic locking function. • A start warning (multi-function circuit board required) must be set for automatic unlocking. An automatic timer cannot be programmed if a start warning is set.			
Adapter print for safety equipment with fitting accessories for integrating photocells from other makes		637104	125
Central control circuit board for central open / central close / automatic timer OFF / smoke detector device (RWA)		637243	112
Summer / winter operation activating kit with function report		637036	404
Overview of accessory combinations			
Notice: Not for rolling shutter / grille SB and rolling shutter / grille TGT!			

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Control B 971 R S6 (frequency converter) with soft start, soft stop, fast and safe and with optional extras

For rolling shutters Decotherm S DD with accessory package S6

Including:

- FU operator
- Frequency converter control
- Light grille
- L-pads

Operator:

- Fully fitted operator
- Power input depending on the door
- Protection category IP 65 (jet-water protected)
- Digital limit switch (DES) for determining the door position
- Max. 30 door cycles per hour
- Max. 300 door cycles per day

Control:

- Microprocessor control in separate housing, Open-Stop-Close button integrated in housing, protection category IP 54 (jet-water protected)
- Connection cable with CEE plug in protection category IP 44 (splash-water protected)
- Control fitting directly next to the rolling shutter, plug-in door leaf sensors

Function:

- Opening with impulse (please observe the notice below)
- Closing with press-and-hold, closing with impulse
- Setting of door end-of-travel positions via the control

Control	Version	Article no.	Surcharge in €
Control B 971 R S6 for: • 230 V 1-phase current	In housing	9800920	6925
	In housing with main switch	Surcharge 58121	203
Accessories for control B 971 R S6		Article no.	€
Motor connection line (extension)		Surcharge 9800921	30
Key switch		58116	91
Emergency-off switch		58117	91
Toggle switch for partial opening		58120	91

Control accessories

Integrated control, 300, 360, 445 R and 460 R

Preferred combinations are specified in the table; further combinations are possible under certain prerequisites.
If applicable, ask your specialist adviser.

Short designation	Description	Article no.	€/each	
Receiver 868 MHz				
HE 3-MCX BS 	2-channel receiver with external antenna, 2 functions for controls 435R, 445R, 460R, frequency 868 MHz, operating voltage 24 V DC, in a separate housing with 7 m connecting lead, 4-wire, plug-in type	436722	146	
HE 3 BS 	2-channel receiver, frequency 868 MHz, operating voltage 24 V DC, in a separate housing with 0.5 m connecting lead, 4-wire, plug-in type	436721	97	
HEI 3 BS 	2-channel receiver to control 2 functions, 868 MHz frequency, IP 65, operating voltage: 24 V DC, with 7 m connecting lead, 4-wire	436720	110	
ESE-MCX BS 	5-channel bi-directional receiver (e.g. choice of direction and status feedback) with external antenna, 5 functions, 868 MHz, operating voltage 24 V DC, in separate housing (for dry rooms only) with 7 m connecting lead, 4-wire, plug-in type	436738	146	
ESE BS 	5-channel bi-directional receiver (e.g. choice of direction and status feedback), 5 functions, 868 MHz, operating voltage 24 V DC, in separate housing (only for dry rooms) with 0.5 m connecting lead, 4-wire, plug-in type	436723	110	
ESEI BS 	5-channel bi-directional receiver (e.g. choice of direction and status feedback), 5 functions, 868 MHz, operating voltage 24 V DC, in separate housing (IP 65) with 7 m connecting lead, 4-wire, plug-in type	436740	124	
HER 1 BS 	1-channel relay receiver with status feedback (of the relay) via HS 5 HS or optionally app (gateway required), with volt-free relay output, frequency 868 MHz, IP 65, operating voltage: 24 V DC / 230–240 V AC, without connecting lead	436724	141	
HER 2 BS 	2-channel relay receiver with status feedback (of the relays) via HS 5 BS or optionally app (gateway required), with 2 volt-free relay outputs, frequency 868 MHz, IP 65, operating voltage: 24 V DC / 230–240 V AC, without connecting lead, external tamper-proof antenna with 2 m connecting lead	436725	204	
HER 4 BS 	4-channel relay receiver with status feedback (of the relays) via HS 5 HS or optionally app (gateway required), with 4 volt-free relay outputs, frequency 868 MHz, IP 65, operating voltage 24 V DC / 230–240 V AC, without connecting lead	436726	226	
HEU 2 BS 	Recessed 2-channel receiver, frequency 868 MHz, targeted On / Off function, IP 20, operating voltage 100–240 V AC	437378	100	
HET-E2 24 BS 	2-channel relay receiver with status feedback, for choosing direction (Open and Close) and limit switch reporting (can be connected to volt-free inputs on the HET) via HS 5 BS or optionally app (gateway required), frequency 868 MHz, protection category: IP 65, operating voltage: 24 V DC	436743	110	
Collective garage receiver 868 MHz				
SGE 1	Collective garage receiver for Hörmann door operators and operators of other makes or for easy and clear management of up to 1000 hand transmitter codings (e.g. in underground garages), with 2 volt-free relay outputs, incl. SD card, in separate housing, protection category IP 65, operating voltage 24 V DC, protected against incorrect polarity	637625	313	
SGP 1	Hand transmitter programming device for SGE 1, for hand transmitter coding including PC software, hand transmitters can be programmed and read out.	637640	273	
SGE 1 and SGP 1 set	Consisting of a collective garage receiver SGE 1 and hand transmitter programming device SGP 1	637641	543	
	Pre-programming of hand transmitters for SGE 1 / SGE 1 BS, incl. SD card; hand transmitters can be pre-programmed as desired. Notice: Prices do not include the hand transmitters!			
	Pre-programming of hand transmitters	Surcharge each	437987	2,60

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- 4 = Only with press-and-release operation for "Open door" and "Close door"
- 5 = UAP-300, HOR-300 required
- 6 = Multi-function circuit board, travel limit circuit board, traffic control circuit board required

		Controls		Controls		Control	General use ◊
	WA 250 R S4, integrated control	WA 300 R S4, WA 300 AR S4, integrated control, external control 300	WA 300 R S4 / WA 300 AR S4 External control 360	445 R	460 R	B 971 R S6	
		• 2/4	•	• 2	• 2/3		
		• 2/4	•	• 2	• 2/3		
		• 2/4	•	• 2	• 2/3		
		• 4					
		• 4					
		• 4					
		• 4	•	•	•	•	•
		• 2/4	2/3	• 2	• 2/3	•	2/3
		• 2/4	•	• 2	• 2/3	•	•
		• 2/4	•	• 2	• 2/3		
		• 2/4/5/6	• 2/4/6	• 2/4/6	• 2/4/6		
		• 4	•	•	•		•
		• 4	•	•	•		•

Control accessories

Integrated control, 300, 360, 445 R and 460 R

Preferred combinations are specified in the table; further combinations are possible under certain prerequisites.
If applicable, ask your specialist adviser.

Short designation	Description	Article no.	€/each	
868 MHz hand transmitters – only in conjunction with a receiver				
BiSecur hand transmitters are downward compatible with 868 MHz fixed code receivers				
HS 1 BS	 1-button hand transmitter, impulse, incl. battery, with chrome-plated zinc die-cast caps	Black (textured surface)	4511720	73
HS 4 BS	 4-button hand transmitter, impulse, incl. battery, with chrome-plated zinc die-cast caps	Black (textured surface)	4511724	73
HS 5 BS	 5-button hand transmitter, impulse, incl. battery, with chrome-plated zinc die-cast caps	Black (high-gloss)	436752	86
		White (high-gloss)	436753	86
		Black (textured surface)	436946	86
HSE 1 BS	 1-button micro hand transmitter, impulse, incl. key ring and battery, with chrome-plated zinc diecast caps	Black (textured surface)	4511728	73
HSE 4 BS	 4-button micro hand transmitter, impulse, incl. key ring and battery, with chrome-plated zinc diecast caps	Black (textured surface)	4511732	73
HSE 4 BS	 4-button micro hand transmitter, impulse, incl. key ring and battery, with plastic caps in the same colour as the hand transmitter	Black (textured surface)	4511736	66
HSS 4 BS	 4-button security hand transmitter, impulse, incl. battery, additional function: copy protection for hand transmitter coding (cannot be taught in)	Red (high gloss)	436756	117
	Hand transmitter station for BiSecur hand transmitters HS 1 BS, HS 4 BS and HS 5 BS	Black (high-gloss)	436691	9,50
	Hand transmitter holder incl. visor clip for BiSecur hand transmitters HS 1 BS, HS 4 BS and HS 5 BS		436698	8,50
	Hand transmitter holder incl. visor clip for BiSecur hand transmitters HSE 1 BS and HSE 2 BS		437006	8,50
	Hand transmitter sleeve, black, for BiSecur hand transmitter HSE		4510869	7,40
FSM 2 BS	 2-channel radio transmitter module in housing		436786	114
868 MHz industrial hand transmitters – only in conjunction with a receiver				
HSI BS	 Industrial hand transmitter for controlling up to 1000 receivers		436789	204
	Wall holder for industrial hand transmitter HSI/HSI 1 BS, including fixing material		637635	15,50
	Protective bag for industrial hand transmitter HSI, including retaining clip		637636	39
	Copy cable with software, for coding industrial hand transmitters HSI/HSI BS or saving data on a PC		637637	26
	USB adapter on com port		637634	35
	Connection cable for industrial hand transmitter HSI, for external power supply, for connecting to a forklift or another external power supply		637638	8,50
// NEW HSI 3 BS	 Industrial hand transmitter for controlling up to 3 receivers		635054	91
	Hand transmitter holder for HSI 3 BS, incl. fitting accessories for fitting to wall or box frame		635059	8,50
HSI 6 BS	 Industrial hand transmitter for controlling up to 6 receivers		4511801	114
	Hand transmitter holder for HSI 6 BS, incl. fitting accessories for fitting to wall or box frame		437383	8,50
HSI 15 BS	 Industrial hand transmitter for controlling up to 15 receivers		4511802	164
	Hand transmitter holder for HSI 15 BS, incl. fitting accessories for fitting to wall or box frame		437384	11,90
Key switches, each with 3 keys				
ESU 30	Key switch (recessed, impulse Open / Close, without connecting lead)		436110	49
ESA 30	Key switch (surface mounted, impulse Open / Close, without connecting lead)		436111	52
STUP 50	Key switch (recessed, impulse Open / Close, with 2 m connecting lead, 2-wire)		4511648	58
STAP 50	Key switch (surface-mounted, impulse Open / Close, with 2 m connecting lead, 2-wire)		4511650	61
Cylinders with keys to pass for Hörmann key switches				
	Profile half cylinder 30.5 + 10 mm, lock plate lug 0°, fixed, 2 units with keys to pass		436120	40
	Profile half cylinder 30.5 + 10 mm, lock plate lug 0°, fixed, 3 units with keys to pass		436121	52
	Profile half cylinders with keys to pass in quantities larger than 3	On request		

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- 5 = UAP-300, HOR-300 required
- 6 = Multi-function circuit board, travel limit circuit board, traffic control circuit board required

	Controls			Controls		Control	General use ◉
	WA 250 R S4, integrated control	WA 300 R S4, WA 300 AR S4, integrated control, external control 300	WA 300 R S4 / WA 300 AR S4 External control 360	445 R	460 R	B 971 R S6	
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Control accessories

Integrated control, 300, 360, 445 R and 460 R

Preferred combinations are specified in the table; further combinations are possible under certain prerequisites.
If applicable, ask your specialist adviser.

Short designation	Description	Article no.	€/each	
Bluetooth® receiver				
HET/S 24 BLE	Receiver for the control of external consumers via Bluetooth®, to control (impulse) Hörmann operators / operators of other makes, with 2 volt-free relays, with 7 m connecting lead, 4-wire, protection category: IP 44, temperature range: – 20°C to + 40°C, operating voltage: 12–24 V DC, 12 V AC, switching capacity: 30 V DC / 2.5 A (resistive load) Function: On / Off, impulse (0.5 s), dimensions (W × H × D): 110 × 45 × 40 mm System requirements: – iOS devices from version 9.0 – Android devices from version 5.0 – Bluetooth 4.0 * Function and availability depend on the respective end device and the app version (note the description text in the App Store)	4511827	102	
Bluetooth® antenna BTA 800	External antenna for receiver HET/S 24 BLE to increase the range, with 0.8 m connecting lead, protection category: IP 44, dimensions (W × H × D): 80 × 80 × 35 mm	4511829	70	
Hörmann GSM Control				
GSM Control	Opening of the system via telephone call, receipt of status or malfunction information via text messages, no limits regarding the distance, easy parameterisation with the enclosed software or text message commands, up to 1000 authorised users (telephone numbers) can be stored, telephone calls are free of charge for the users, 100–240 V AC, 50/60 Hz, 2 volt-free normally open contacts (max. switching capacity 5 A), 4 digital inputs (freely configurable), temperature range – 20°C to + 60°C, protection category IP 65, transmission channel 4G/3G/2G/GSM, frequency range UMTS 900/1200 MHz, GSM/GPRS 900/1800 MHz	639782	543	
Code switch BiSecur radio code switches are downward compatible with 868 MHz fixed code receivers				
CTR 1b-1	Code switch with 1 relay output, impulse to control one operator, illuminated keypad, 230 V AC or 24 V AC/DC, without connecting lead Power supply: For 230 V AC, use connecting lead ZL 1; for 24 AC/DC and for providing impulse to operator, use connecting lead ASL.	4511631	175	
CTR 3b-1	Code switch with 3 separate relay outputs, impulse to control two operators and / or outdoor lighting, illuminated keypad, 230 V AC or 24 V AC/DC, without connecting lead Power supply: For 230 V AC, use connecting lead ZL 1; for 24 AC/DC and for providing impulse to operator, use connecting lead ASL.	4511632	201	
CTV 3-1	Code switch with keypad protected against vandalism, with 3 separate relay outputs, impulse to control two operators and / or outdoor lighting, 230 V AC or 24 V AC/DC, without connecting lead Power supply: For 230 V AC, use connecting lead ZL 1; for 24 AC/DC and for providing impulse to operator, use connecting lead ASL.	4511633	240	
CTP 3-1	Code switch with capacitive, illuminated keypad, with 3 separate relay outputs, impulse to control two operators and / or outdoor lighting, 230 V AC or 24 V AC/DC, without connecting lead Power supply: For 230 V AC, use connecting lead ZL 1; for 24 AC/DC and for providing impulse to operator, use connecting lead ASL.	4511634	240	
CTR 1d	Code switch with 1 relay output, impulse to control one operator, keypad protected by a hinged panel, 230 V AC or 24 V AC/DC, without connecting lead Notice: Use a mains adapter (article no. 436 109) for 230 V AC power supply.	436355	117	
CTR 3d	Code switch with 3 separate relay outputs, impulse to control two operators and / or outdoor lighting, keypad protected by a hinged panel, 230 V AC or 24 V AC/DC, without connecting lead Power supply: For 230 V AC, use connecting lead ZL 1; for 24 AC/DC and for providing impulse to operator, use connecting lead ASL.	436390	154	
FCT 3-1 BS	 Radio code switch for controlling up to 3 operators, illuminated keypad, protection category: IP 54, housing: plastic, colour Light grey RAL 7040, incl. battery	4511856	95	
FCT 10-1 BS	 Radio code switch for controlling up to 10 operators, illuminated keypad, hinged cover, protection category: IP 54, housing: plastic, painted White aluminium RAL 9006, incl. battery	4511861	143	

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- 5 = UAP-300, HOR-300 required
- 6 = Multi-function circuit board, travel limit circuit board, traffic control circuit board required

	Controls			Controls		Control	General use ☼
	WA 250 R S4, integrated control	WA 300 R S4, WA 300 AR S4, integrated control, external control 300	WA 300 R S4 / WA 300 AR S4 External control 360	445 R	460 R	B 971 R S6	
		• 4	•	•	•		
			•	•	•		
		• 4	•	•	•	•	•
		• 2 / 4	• 2	• 2	• 2	•	•
		• 2 / 4	• 2	• 2	• 2	•	•
		• 2 / 4	• 2	• 2	• 2	•	•
		• 4	•	•	•	•	•
		• 2 / 4	• 2	• 2	• 2	•	•
		• 4	•	•	•	•	•
		• 4	•	•	•	•	•

Control accessories

Integrated control, 300, 360, 445 R and 460 R

Preferred combinations are specified in the table; further combinations are possible under certain prerequisites.
If applicable, ask your specialist adviser.

Short designation	Description	Article no.	€/each	
Transponder key switches				
TTR 1000-1	Non-contact transponder key switch, impulse, 230 V AC or 24 V AC/DC, without connecting lead, incl. 1 transponder key and 1 transponder card, can be extended with max. 1 input unit (TTRE-1). Power supply: For 230 V AC, use connecting lead ZL 1.	4511643	240	
TTRE-1	Additional reader for extension of the transponder key switch TTR 1000-1	4511644	119	
TS	Transponder key for transponder key switches TTR 1000-1 / TTRE-1	4510023	16,70	
TL 1000	Transponder card for transponder key switches TTR 1000-1 / TTRE-1	437011	16,70	
ZBG 1-1	Spacer bracket (required for fitting the transponder key switch TTR 1000-1 / TTRE-1 to metal)	4511694	46	
Finger-scan				
BiSecur radio finger-scans are downward compatible with 868 MHz fixed code receivers				
FFL 25 BS	 Radio finger-scan BiSecur, impulse for controlling 2 operators by means of fingerprint, up to 25 fingerprints can be taught in, cannot be deleted individually, hinged cover, activation by opening the cover or by pressing the "ON" button; protection category: IP 54, housing: plastic, painted White aluminium RAL 9006, incl. battery	4511870	189	
FL 150	Finger-scan, impulse, to control door operators via fingerprint, 150 fingerprints can be taught in (can be individually deleted), connecting voltage 230 V	4511640	514	
Key switch posts (cable extensions may be required)				
STN 1	Key switch post to hold 1 command unit With screw base for surface fitting, surface in White aluminium based on RAL 9006, dimensions: height 1050 mm, tube 90 x 90 mm Command units are not included in the scope of delivery.	638975	235	
STN 1-B	Key switch post to hold 1 command unit To set in concrete (set-in-concrete version) Surface in White aluminium based on RAL 9006, dimensions: height 1050 mm, tube 90 x 90 mm Command units are not included in the scope of delivery.	638976	235	
STN 1-1	Key switch post to hold 2 command units or 1 command unit and 1 warning light With screw base for surface fitting, surface in White aluminium based on RAL 9006, dimensions: height 1200 mm, tube 90 x 90 mm Command units / warning lights are not included in the scope of delivery.	638977	292	
STN 1-1 B	Key switch post to hold 2 command units or 1 command unit and 1 warning light To set in concrete (set-in-concrete version) Surface in White aluminium based on RAL 9006, dimensions: height 1200 mm, tube 90 x 90 mm Command units / warning lights are not included in the scope of delivery.	638978	292	
STI 1	Key switch post without control (to hold max. 2 controls and an extension housing)	437083	252	
STL 2	Key switch post set without command units for Hörmann light grille HLG-V 2600 mm (article no. 638458)	638904	345	
Connecting leads, 3-wire, 230 V				
ZL 1	1.5 m length, 3 x 0.75 mm ² with safety plug Suitable for power supply of the devices TTR 1000-1, CTR 1b-1, CTR 3b-1, CTV 3-1 and CTP 3-1.	436127	9,50	
Connecting leads, 6-wire, only 24 V (Suitable for impulse control of all buttons)				
ASL 2	2 m long, stripped on one end	436125	8,50	
ASL 10	10 m long, stripped on one end	436126	17,80	
ASL 50	50 m roll	436065	54	
Mains adapter				
	Mains adapter with Euro plug, 24 V DC, 330 mA	436109	51	
Dock leveller control connecting lead				
	Dock leveller control connecting lead to door control, 230, complete	638353	17,80	
	Dock leveller control connecting lead to door control, 400, complete	638352	19,90	

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	Controls			Controls		Control	General use ◐
	WA 250 R S4, integrated control	WA 300 R S4, WA 300 AR S4, integrated control, external control 300	WA 300 R S4 / WA 300 AR S4 External control 360	445 R	460 R	B 971 R S6	
		• 4	•	•	•	•	•
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Control accessories

Integrated control, 300, 360, 445 R and 460 R

Preferred combinations are specified in the table; further combinations are possible under certain prerequisites.
If applicable, ask your specialist adviser.

Short designation	Description	Article no.	€/each	
Push button				
DTH-R	Push button Open-Stop-Close	637713	54	
DTH-RM	Push button Open-Stop-Close, miniature lock	637714	76	
DTH-I	Push button impulse-Stop-1/2 open	637715	60	
DTH-IM	Push button impulse-Stop-1/2 open, miniature lock	637716	80	
DT 02	Push button Impulse-Stop	639891	60	
DT 03	Push button Open-Stop-Close	639892	78	
DT 04	Push button, Open/Stop/Close/1/2 Open	639886	103	
DTNA 30	Push button Open-Stop-Close, can be switched off with emergency-off switch	639887	107	
DTP 02	Push button Impulse-Stop, lockable (profile half cylinder article no. 436122 required)	637044	202	
DTP 03	Push button Open-Stop-Close, lockable (profile half cylinder article no. 436122 required)	637045	273	
DTN 10	Emergency-off switch	639888	80	
DTG 01	Foot and mushroom button, opening device, protection category IP 67, press-and-hold	639890	142	
Pull switch / cantilever arm				
ZT 2	Pull switch, impulse, with pull cord length of approx. 3200 mm, protection category IP 65	637510	91	
	Cantilever arm, extension adjustable from approx. 1600 mm to 3000 mm, without pull switch	637003	235	
Optional extras for photocells				
	Weather protective cover for reflection photocells RL 30, RL 50, RL 52, RL 100 and RL 300, as well as one-way photocells EL 31, EL 51, EL 101, EL 301 or angular reflector (up to 8000 mm) Notice: If two-sided protection is required, order 2 weather protective covers for each photocell set. Exception: if a reflector from 8000 mm is required, this item is required 1 x and art. 437076 is required 1 x.	437075	11,90	
	Weather protective cover for reflector 8000 – 12000 mm	437076	9,50	
LSE	Adapter print for 2-wire photocell to system jack	639562	69	
LSE 1	Photocell expander LSE 1 in housing (system jack)	436396	76	
LSE 2	Photocell expander LSE 2 in housing (2-wire photocell)	436380	92	
Timers				
ZSU 2	Digital weekly timer in semi-housing, incl. data key	637061	298	
ZSJ 2	Yearly timer, 2-channel, in semi-housing, incl. data key	637079	464	
	Software and USB adapter for timers ZSU 2 and ZSJ 2 for the parameterisation of the data keys enclosed with the timers	637507	171	
Warning lights / warning light tube				
Dual LED	LED double warning light for key switch post STN 1-1 / STN 1-1 B, red / green dual LED, 230 V AC	638979	138	
Triple LED	Triple LED warning light for key switch post STN 1-1 / STN 1-1 B, red / yellow / green triple LED, 24 V DC	639307	138	
TL40Srd	Red LED warning light (230 V / 50 Hz)	637534	124	
TL40Sgn	Green LED warning light (230 V / 50 Hz)	637535	124	
TL40Sye	Yellow LED warning light (230 V / 50 Hz)	637536	112	
TL40Srd/gn	Red / green LED warning light (230 V / 50 Hz)	637537	208	
TL40Srd/ye/gn	LED traffic light, red / yellow / green (24 V DC), 1-arm	637896	208	
AT 3	Activating kit for door leaf, required for connecting the LED warning light tube	638296	86	
	Yellow rotating mirror warning light (230 V / 50 Hz), multi-function or travel limit circuit board required!	637184	359	
	Angle fitting for rotating mirror warning light	637182	56	
	Yellow flashing warning light (230 V / 50 Hz), multi-function or travel limit circuit board required!	637183	228	
	Angle fitting for flashing warning light	637181	37	

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	Controls			Controls		Control	General use ◐
	WA 250 R S4, integrated control	WA 300 R S4, WA 300 AR S4, integrated control, external control 300	WA 300 R S4 / WA 300 AR S4 External control 360	445 R	460 R	B 971 R S6	
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Control accessories

Integrated control, 300, 360, 445 R and 460 R

Preferred combinations are specified in the table; further combinations are possible under certain prerequisites.
If applicable, ask your specialist adviser.

Short designation	Description	Article no.	€/each	
Optional extras				
HLG-V	Extension set Hörmann light grille HLG as advance protection, incl. protective tube, height 2500 mm, range up to 10 m. Optional key switch post set STL 2 (article no. 638904, refer to key switch posts category) available.	638458	948	
RBM 2 E	Radar movement detector for Open door function, not a safety device	637484	446	
	Infrared remote control (for radar movement detector RBM 2 E)	637485	138	
PRM 1	Movement detector for Open door function and for presence detection	637708	463	
	Infrared remote control (for movement detector PRM 1)	637710	49	
	Magnet switch VDS class C for door opening monitoring	637675	89	
	Alarm horn, IP 33, connecting voltage 230 V AC, multi-function or travel limit circuit board required!	637197	130	
	Safety pull cord switch for the rolling shutter curtain	637600	73	
	Extension housing for industrial door controls (semi-housing)	637014	68	
Induction loop detectors / pre-fabricated induction loops				
DI 1 Pro	Induction loop detector in semi-housing without loop cable	637056	463	
DI 2 Pro	Induction loop detector in semi-housing without loop cable	637076	589	
	Loop cable for DI, 50 m roll	637059	82	
Motor protective switch (after technical clarification)				
	Motor protective switch 1 – 1.6 A	635500	120	
	Motor protective switch 1.6 – 2.5 A	635501	113	
	Motor protective switch 2.5 – 4 A	635502	120	
	Motor protective switch 4 – 6.3 A	635503	113	
	Motor protective switch 6.3 – 10 A	635504	119	
	Motor protective switch housing IP 54	635505	45	

- = Combination options
- = Can also be used with other product series (general use)
- 1 = Only with retrofitting to impulse control (after technical inspection)
- 2 = For choosing direction
- 3 = For 2-way traffic systems or controlling a second opening height
- 4 = Only with press-and-release operation for "Open door" and "Close door"
- 5 = UAP-300, HOR-300 required
- 6 = Multi-function circuit board, travel limit circuit board, traffic control circuit board required

	Controls			Controls		Control	General use ◦
	WA 250 R S4, integrated control	WA 300 R S4, WA 300 AR S4, integrated control, external control 300	WA 300 R S4 / WA 300 AR S4 External control 360	445 R	460 R	B 971 R S6	
			•	•	•		•
			•	•	•	•	•
			•	•	•	•	•
			•		•	•	
			•			•	
							•
		• 5	•	• 6	• 6	•	•
				•	•		•
			•	•	•		
			•	•	•	•	•
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Direct drive operators with absolute encoder (AWG)

For rolling shutters DD and rolling grilles DD

400 volt 3-phase current for controls 445 R and 460 R

	On-time		Protection category IP 65	Emergency operation		STNHB	STNHB + KNH	Total surcharge €
	40%	60%		SMA	KNH			
DD 17								
		●	●	●				No surcharge
		●	●		372			372
DD 25								
		●	●	●				No surcharge
		●	●		372			372
DD 30								
		●	●	●				No surcharge
		●	●		372			372
		●	●	●		1251		1251
		●	●				1623	1623
DD 40								
		●	●	●				No surcharge
		●	●		372			372
DD 50								
		●	●	●				No surcharge
		●	●		372			372
DD 65								
		●	●	●				No surcharge
		●	●		372			372
DD 100								
		●	●	●				No surcharge
		●	●		372			372
DD 160								
		●	●	●				No surcharge
		●	●		372			372
DD 180								
		●	●	●				No surcharge
		●	●		372			372

Explanation of the abbreviations used:

SMA = Service and fitting adapter
 KNH = Emergency chain
 STNHB = Emergency operation on the front side via SMA
 IP = Protection category

Direct drive operators with absolute encoder (AWG)

For rolling shutters DD and rolling grilles DD

230 volt 3-phase current for controls 445 R and 460 R with main switch

	On-time		Protection category IP 65	Emergency operation		STNHB	STNHB + KNH	Surcharge €
	40 %	60 %		SMA	KNH			
DD 30								
		●	●	●				No surcharge
		●	●		372			372
		●	●	●		1251		1251
		●	●				1623	1623

230 volt 1-phase current for controls 445 R and 460 R

	On-time		Protection category IP 65	Emergency operation		STNHB	STNHB + KNH	Surcharge €
	40 %	60 %		SMA	KNH			
DD 25								
	●		●	●				815
	●		●		372			372

Extension emergency uncoupling/ emergency chain

				Article no.	€
Switch cable extension 2 x 4 m for emergency hand chain drive				57280	22
Switch cable extension 2 x 10 m for emergency hand chain drive				57751	27
Hand chain for KNH, for DD operators	Length	4000 mm		57431	29
	Length	6000 mm		57432	41
	Length	8000 mm		57433	56
	Length	10000 mm		57434	68
	Length	12000 mm		57435	78
	Length	14000 mm		57436	111
	Length	16000 mm		57437	125
	Length	18000 mm		57438	141
	Length	20000 mm		57439	158

Further accessories for direct drive operators

			Article no.	€
Heater unit for direct drive and chain drive operators (panel heating) recommended for temperature ranges between -15 and -30°C			57415	350
Extension for motor connection line			Per m 9005798	19

Explanation of the abbreviations used:

SMA	=	Service and fitting adapter
KNH	=	Emergency chain
STNHB	=	Emergency operation on the front side via SMA
IP	=	Protection category

Direct drive operators with digital limit switch (DES)

For rolling shutters Decotherm S DD with accessory package S6

230 volt 1-phase current for control B 971 R S6

Article no.	Protection category IP 65	Emergency operation		STNHB	STNHB + KNH	Surcharge €
		SMA	KNH			
DD S6						
–	●	●				No surcharge
–	●		372			372

Extension emergency uncoupling / emergency chain				Article no.	€
Switch cable extension 2 x 4 m for emergency hand chain drive				57280	22
Switch cable extension 2 x 10 m for emergency hand chain drive				57751	27
Hand chain for KNH, for DD operators	Length	4000 mm		57431	29
	Length	6000 mm		57432	41
	Length	8000 mm		57433	56
	Length	10000 mm		57434	68
	Length	12000 mm		57435	78
	Length	14000 mm		57436	111
	Length	16000 mm		57437	125
	Length	18000 mm		57438	141
	Length	20000 mm		57439	158

Explanation of the abbreviations used:

SMA = Service and fitting adapter
 KNH = Emergency chain
 STNHB = Emergency operation on the front side via SMA
 IP = Protection category

Special packaging

Transport crates for standard rolling shutters								
Inside dimensions			For rolling shutter dimensions up to approx.		Version			
Length mm	Width mm	Height mm	Width mm	Height mm	Air freight		Sea freight	
					Weight	€	Weight	€
3000	700	600	2000	2000	140	1301	160	1412
4000	700	600	3000	3000	160	1571	180	1680
5000	800	650	4000	4000	220	2193	250	2304
6000	800	850	5000	5000	260	2597	290	2729
7000	800	700	6000	6000	350	3083	350	3247
8000	900	750	7000	7000	400	3787	430	4058
9000	900	750	8000	8000	450	4326	490	4654
10000	900	750	9000	7000	500	4951	550	5273
11000	900	750	10000	7000	550	5354	600	5677
12000	900	750	11000	7000	600	5677	650	6004
13000	900	750	11800	7000	650	6220	700	6596

Notice:

For rolling shutters with special equipment, please enquire about the dimensions and price.

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.

