

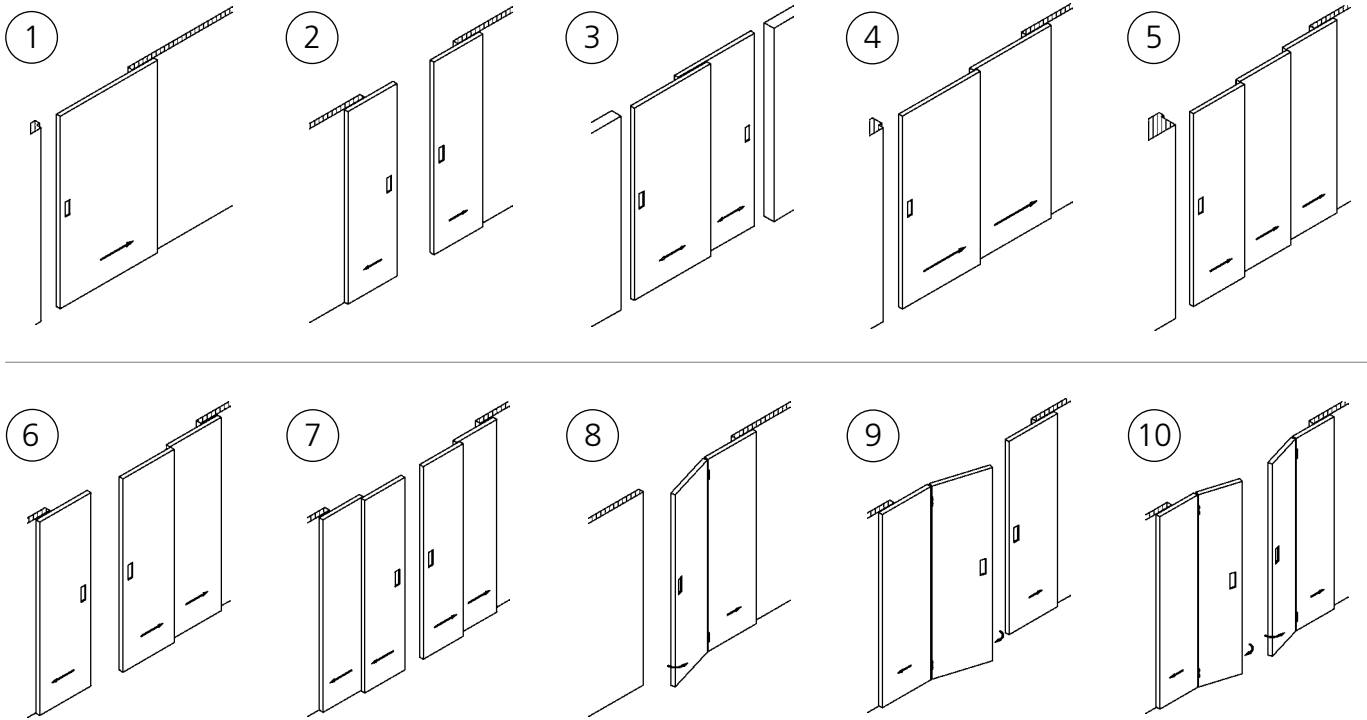


**HELM Hardware for Sliding Gates
and Gateway Gates**

The HELM logo consists of a solid blue horizontal bar above the word "HELM" in a bold, blue, sans-serif font.

Sliding hardware

Possible installation types





HELM Product advantages

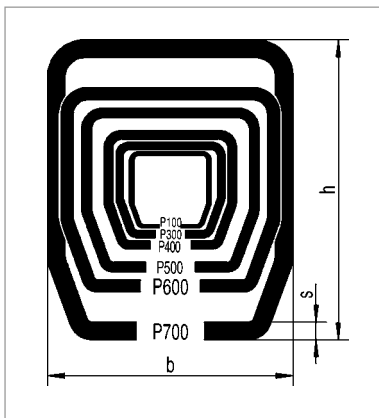
- the original HELM program for Sliding doors and -gates up to 2000 kg leaf weight
- complete range, also for special sliding applications, in the profile sizes 100 to 700
- all hardware „Made in Germany“ (certifies according to DIN EN ISO 9001:2000)
- 75 years experience with sliding door fittings
- outstanding running properties and versatile mounting options
- tested according to DIN EN 1527:1998 (in connection with double pair trolleys series -91)
 - 100.000 Cycles tests (with trolley series -91)
 - Corrosion resistance class 3 (in accordance with DIN EN 1670: Class 1-4)
- solutions for fire protection doors available (MPA test certificate 120001291-1)
- consulting service for special applications

Track dimensions

The correct profile or hardware size can be intend on the basis of the carrying capacity of single and double pair trolleys. Trolleys of standard design with steel rollers were considered.

Detailed declarations of weight, e.g. for the use of trolleys with plastic surfaces and for electric operated sliding gates, can be found from the following table.

Original HELM tracks are in blank steel or zinc-plated, in stock lenght of 6000 mm or cut to lenght available. Profile no. 100, 300, 400 and 500 as well as the usual hardware are also in stainless steel available (Material no. 1.4301).



Profile	100	300	400	500	600	700	
h	28,00	35,00	43,50	60,00	75,00	110,00	
b	30,00	40,00	48,50	65,00	80,00	90,00	
s	1,75	2,75	3,20	3,60	4,50	6,50	

Load-bearing capacity in kg for Profile		100	300	400	500	600	700	
Trolley hanger one-pair	per trolley hanger (steel roller)	30	65	100	200	400	700	
	per gate leaf (steel roller)	60	130	200	400	800	1400	
	per gate leaf (plastic tread)	45	110	150	300			
Trolley hanger double-pair	per trolley hanger (steel roller)	50 *	100 *	200 *	300	600	1000	
	per gate leaf (steel roller)	100 *	200 *	400 *	600	1200	2000	
	per gate leaf (plastic tread)	70	140	240	480			
Trolley hanger double-pair for electric powered gates	per trolley hanger (steel roller)		70	120	240	475	700	
	per gate leaf (steel roller)		140	240	480	950	1400	

*Certificated according to DIN 1527, 100.000.cycles, with the following values: Profile 100 with 90 kg, profile 300 with 170 kg and profile 400 with 300 kg gate weight. The values in accordance with above table can be ensured for normally stressed sliding gates.

HELM Hardware for Sliding Gates

Bracket	Profile	100	300	400	500	600	700	
Track blank steel, zinc-plated, in stock length of approx. 6000 mm or cut to size	Part no.	100	300	400	500	600	700	
	EDP no.							
	Stock length	010020	030020	040020	050020	060020	070020	
	Cut to length	010021	030021	040021	050021	060021	070021	
Connection bracket blank steel, zinc-plated, with adjusting screws for precisely fitting connections of two tracks	Part no.	1103	1303	1403	1503	1603	1703	
	EDP no.							
		110320	130320	140320	150320	160320	170320	
Open side wall mounting bracket zinc-plated, track holder for wall mounting for one track, without level adjustment (The track holders are to be planned in a distance of 750 mm.)	Part no.	101	301	401	501	601	701	
	EDP no.							
		010120	030120	040120	050120	060120	070120	
Lock joint ceiling bracket zinc-plated, track holder for ceiling mounting for one track, without level adjustment (The track holders are to be planned in a distance of 750 mm.)	Part no.	102	302	402	502	602	702	
	EDP no.							
		010220	030220	040220	050220	060220	070220	
Open double side wall mounting bracket zinc-plated, double track holder for wall mounting for two tracks, without level adjustment (The track holders are to be planned in a distance of 750 mm.)	Part no.	101 D	301 D	401 D	501 D			
	EDP no.							
		010121	030121	040121	050121			
Double lock joint ceiling bracket zinc-plated, double track holder for ceiling mounting for two tracks, without level adjustment (The track holders are to be planned in a distance of 750 mm.)	Part no.	102 D	302 D	402 D	502 D			
	EDP no.							
		010221	030221	040221	050221			
Lock joint soffit bracket blank steel, with top (on request also lateral) counter screw, usable for welded installations (The track holders are to be planned in a distance of 750 mm.)	Part no.	1104	1304	1404	1504	1604	1704	
	EDP no.							
	screw on top	110410	130410	140410	150410	160410	170410	
	screw on side	11041001	13041001	14041001	15041001	16041001	17041001	
Height-adjustable bracket zinc-plated, track holder with level adjustment, can be used with wall mounting bracket -04 W or -04 WD (The track holders are to be planned in a distance of 750 mm.)	Part no.	104	304	404	504	604	704	
	EDP no.							
		010420	030420	040420	050420	060420	070420	
Wall mounting bracket zinc-plated, bracket fixing with lateral adjustment option, can be used with height-adjustable bracket -04 (The track holders are to be planned in a distance of 750 mm.)	Part no.	104 W	404 W		604 W			104 W 404-604 W 
	EDP no.							
		010421	040421		060421			
Double wall mounting bracket zinc-plated or stainless steel, bracket fixing with lateral adjustment option, can be used with two height-adjustable brackets -04 (The track holders are to be planned in a distance of 750 mm.)	Part no.	104 WD	404 WD		604 WD		704 WD	104 WD 404-704 WD 
	EDP no.							
		010422	040422		060422		070422	
Rail stop zinc-plated, travel path limiter, prevents the trolley hangers from running off the rail	Part no.	100 P	300 P	400 P	500 P			
	EDP no.							
		010080	030080	040080	050080			
Rail stop zinc-plated, travel path limiter, prevents the trolley hangers from running off the rail	Part no.		1300 P	1400 P	1500 P	1600 P	1700 P	
	EDP no.							
			130020	140020	150020	160020		
Trolley hanger zinc-plated, one-pair trolley hanger with pendulum hinge of plastic or steel, height-adjustable. For profile 100-500, available with plastic-sheathed rollers	Part no.	190	390	490	590	690	790	
	EDP no.							
		019020	039020	049020	059020	069020	079020	
Trolley hanger zinc-plated, double-pair, with pendulum hinge of steel or plastic, height-adjustable. On request available with special lubrication, "cowshed" grease (ammonia resistant) and plastic-sheathed rollers	Part no.	191	391	491	591	691	791	
	EDP no.							
		019120	039120	049120	059120	069120	079120	

Bracket	Profile	100	300	400	500	600	700	
Trolley hanger zinc-plated double-pair, with pendulum hinge of plastic or steel, with 2 transverse rollers for electrically operated gates, height-adjustable	Part no. EDP no.		391 EL 039122	491 EL 049122	591 EL 059122	691 EL 069122	791 EL 079122	
Trolley hanger double-pair, with pendulum hinge, with counter pressure roller for sliding leaves with top-hung gates, height-adjustable	Part no. EDP no.	192 019220	392 039220	492 049220	592 059220	692 069220		zink-plated  painted 
Flange zinc-plated or stainless steel, for timber leaves, for screwing on, with thread positioned in the centre	Part no. EDP no.	193 019320	393 039320	493 049320	593 059320	693 069320	793 079320	193  393-793 
Flange steel blank, for steel leaves, for welding on, with thread positioned in the centre	Part no. EDP no.	193 S 019311	393 S 039311	493 S 049311	593 S 059311	693 S 069311	793 S 079311	193 S  393 S -793 S 
Flange blank steel, for steel leaves, for welding on, with thread at the side	Part no. EDP no.	196 S 019611	396 S 039611	496 S 049611	596 S 059611	696 S 069611	796 S 079611	196 S  396 S -796 S 
Bottom guide profile perforated, zinc-plated or stainless steel	Part no. EDP no.	240 15 x 15 x 1 024010 024019	340 25 x 25 x 2 034013 034019	440 40 x 40 x 3 044013 044019	540 60 x 50 x 4 054013 054019			
Guide glide -16 plastic, with screws and plugs	Part no. EDP no.	216 021660	316 031660					
Guide roller with screw and plug, with plastic or brass roller	Part no. EDP no.	258 DÜ 025860 025840	358 DÜ 035860 035840	458 DÜ 045860	558 DÜ 055860			
Guide roller with screw joint, zinc-plated or stainless steel*, with plastic or brass roller <small>*stainless steel with plastic roller = 03496230</small>	Part no. EDP no.		349 S 034962 034942	449 S 044962 044942	549 S 054962 054942			
Guide roller adjustable, zinc-plated angle bracket, with plastic roller	Part no. EDP no.	153/240 015320	153/340 015321					
Pressure roller plastic roller, with plug and screw	Part no. EDP no.		459 DÜ 045961		559 DÜ 055961			
Wedge plastic, used in combination with pressure rollers and screwed on the leaf	Part no. EDP no.		355 035560		555 055560			
Door buffer zinc-plated, with plugs and screws	Part no. EDP no.		360 036020	460 046020				
Door buffer zinc-plated, with steel spring	Part no. EDP no.				560 L 056020	560 056021		

Required information for top hung sliding gates

Company _____ Telephone _____

Name _____ Fax _____

Street _____ E-mail _____

Postcode/city _____ Contact person _____

Supply exclusively through specialised trade. Please indicate your specialist dealer if appropriate: _____

Number of required installations _____ pieces Installation type _____ (see fig. 1 - fig. 12 bottom)

Number of leaves _____ Leaf thickness _____ mm

Leaf widths _____ mm Leaf material _____

door weight _____ kg

Leaf material timber steel

Straight sliding installations

Type of drive manual electrical (please observe DIN 13241-1)

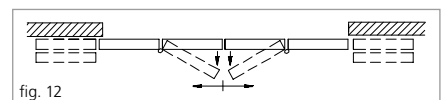
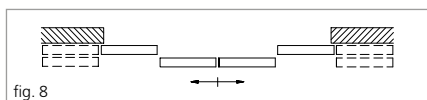
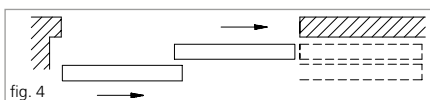
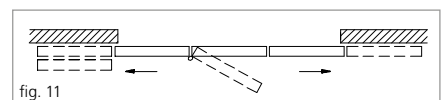
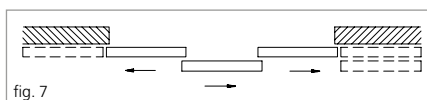
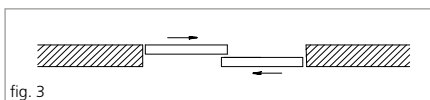
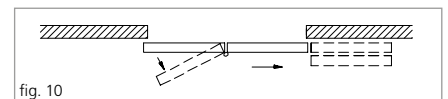
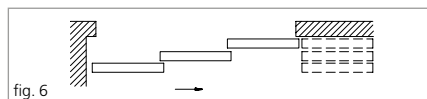
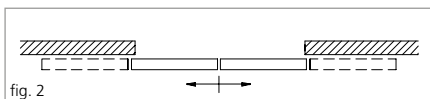
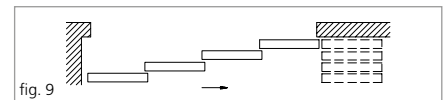
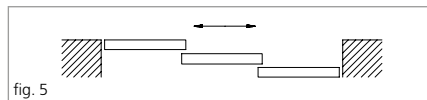
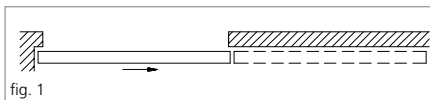
track mounting wall mounting ceiling mounting
 height-adjustable by the customer

bottom guide bottom guide profile 240 - 540 Part no. _____
 guide roller Part no. _____

door handles* door handle 256 Part no.: _____

*more door handles can be found in the catalogue (TEK_0308) product range of KWS

Installation types



Woelm GmbH | Hasselbecker Str. 2-4 | D - 42579 Heiligenhaus | Tel.: + 49 (0) 20 56 - 18 - 0 | Fax: + 49 (0) 20 56 - 18 - 21
Woelm Austria GmbH | Seewalchen 5a | A - 5201 Seekirchen | Tel.: + 43 (0) 62 12 - 25 - 02 | Fax: + 43(0) 62 12 - 69 - 95





Product information

HELM-Set 500 FT

for cantilevered sliding gates up to 4000 mm gate opening and 250 kg gate weight

EDP no. 056122



2x Trolley 564
EDP no. 056420



1x End piece 500 K
EDP no. 050035



1x Catch 500 F
EDP no. 050036



2x Track stop 500 P
EDP no. 500040000015



2x Top guide roller 449 S
EDP no. 044962

Track*

*not included



Track 500 for a welded type Stock length 6000 mm
blank EDP no. 050010
white zinc-plated EDP no. 0500201
stainless steel EDP no. 050030



Track 500 for a bolted type Stock length 6000 mm
blank EDP no. 500020000020
white zinc-plated EDP no. 500020000021
stainless steel EDP no. 500020000022

Accessories



Rack and pinion system ZA 350

for gates up to 350 kg gate weight
EDP no. 001143000113
(incl. control, receiver, 2-channel hand-held transmitter,
HomeLink® compatible, frequency 868 MHz)

tested according to
DIN EN 13241-1

Rack and pinion system ZA 350

for gates up to 350 kg gate weight
EDP no. 001143000114
(incl. control, receiver, 4-channel hand-held transmitter,
HomeLink® compatible, frequency 868 MHz)

tested according to
DIN EN 13241-1



Plastic toothed rack

with steel core
1000 mm section
EDP no. 001110007139



Finger guard profile 65

for rack and pinion system ZA 350
with C channel
EDP no. 000110056002



Light barrier

one-way light barrier up to 20 m range
to be mounted by the customer
EDP no. 001110008141



Light barrier

one-way light barrier up to 20 m range
EDP no. 001110008140



2-channel hand-held transmitter

HomeLink® compatible
Frequenz 868 MHz
EDP no. 001110009143



4-channel hand-held transmitter

HomeLink® compatible
Frequenz 868 MHz
EDP no. 001110009144



Screw set

for a bolted type
EDP no. 050037

On request we send you further information about the HELM accessories.

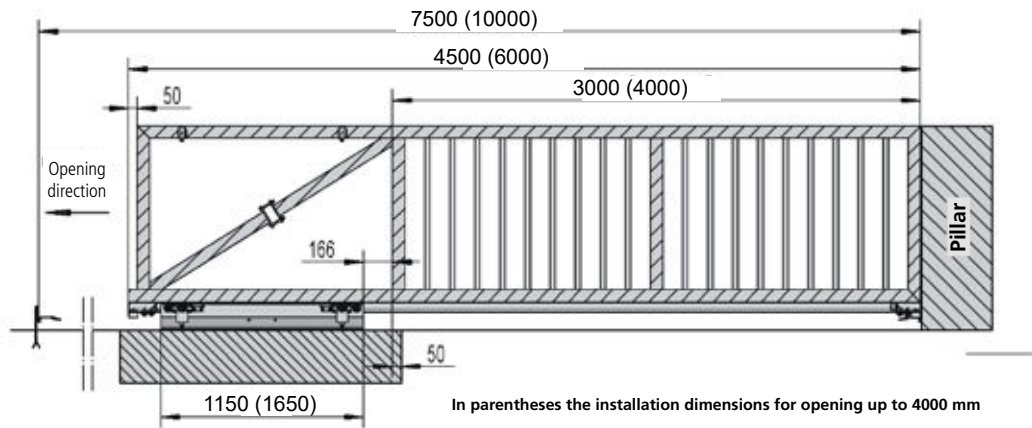
Hardware for Sliding Gates and Gateway Gates

HELM 500 up to 4000 mm opening

HELM 500

Gate installations up to 3000 or 4000 mm opening

-bolted type-



Technical data:

Type trolley:	biaxial with transverse rollers and counter pressure rollers, steel rollers
Gate length:	max. 4500 mm at opening up to 3000 mm max. 6000 mm at opening up to 4000 mm
Gate body:	70 x 50 x 4 mm (supplied by the customer) or 70 x 50 x 3 mm also possible
max. gate infill:	max. 25 kg/m (wind permeable)
max. frame height:	max. 1500 mm
Foundation length:	1600 mm at opening up to 3000 mm (2100 mm at opening up to 4000 mm)

Sets

For opening	Tracktype	Part no.
up to 3000 mm	blank	500120001005
	white zinc-plated	500120001004
	stainless steel	500120001010
up to 4000 mm	blank	500120002005
	white zinc-plated	500120002004
	stainless steel	500120002010

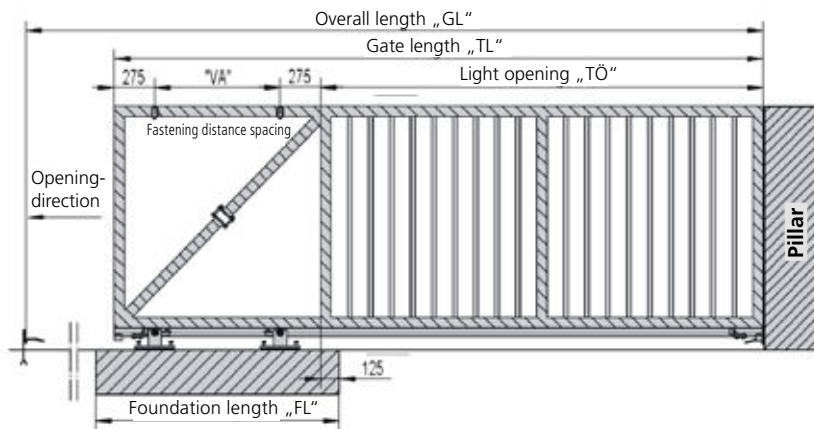
We cannot recommend a hot-dip galvanizing of the rails.

A complete set consists of:

Photo	Article description	Number
	Track 500, 4500 mm long with threaded holes M10 (at opening up to 3000 mm) Track 500, 6000 mm long with threaded holes M10 (at opening up to 4000 mm)	1
	Trolley 563 (at opening up to 3000 mm) Trolley 562 (at opening up to 4000 mm)	1
	End piece 500 K	2
	Track stop 1500 P	2
	Catch 500 F	2
	Top guide roller 969 F	4
	Screw set	1

HELM 500

Gate installations up to 5000 mm opening -welded type-



Technical data:

Type Trolley:	uniaxial with transverse roller and counter plate
Gate body:	70 x 50 x 4 mm (supplied by the customer)
Gate infill:	max. 25 kg/m (wind permeable)
Frame height:	max. 2200 mm

LÖ	GL	TL	FL	VA	Track length	Recommended track allocation	
						Stock length	Cut to length
3000	7400	4400	1650	850	4400		4400
4000	10000	5900	2150	1350	6000	6000	
5000	12900	7900	3150	2350	7900	6000	1900

A complete gate installation consists of:

Foto	Article description	Part no.	Number
	Track 500		1
	Blank, Stock length	050010	
	Blank, cut to length	050011	
	White zinc-plated, stock length	0500201	
	White zinc-plated, cut length	0500211	
	We cannot recommend a hot-dip galvanizing of the rails.		

A complete set of accessories with Part no. 056121 consists of:

	Trolley 561	056120	2
	End piece 500 K	050035	2
	Track stop 1500 P	500040100015	2
	Catch 500 F	050036	2
	Top guide roller 969 F	096963	4

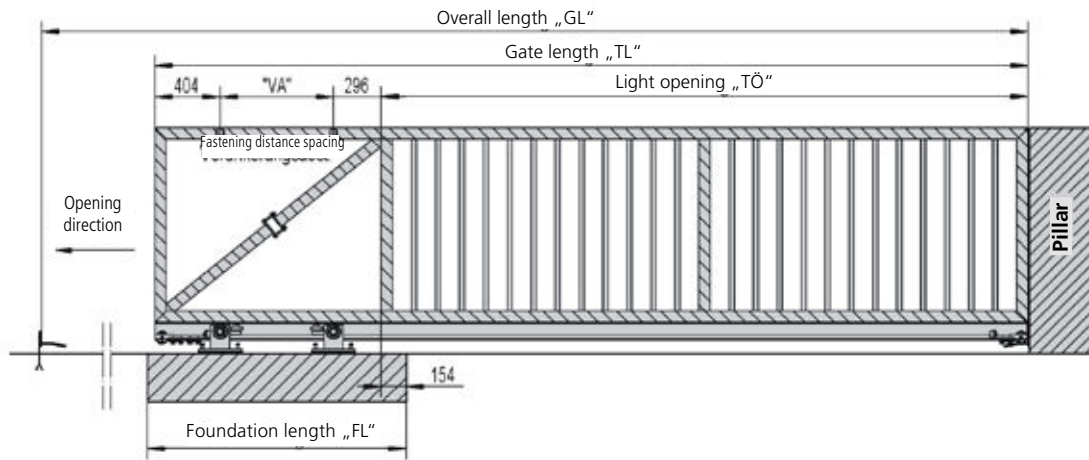
Hardware for Sliding Gates and Gateway Gates

HELM 700 up to 6000 mm opening

HELM 700

Gate installation up to 6000 mm opening

-welded type-




Technical data:

Type Trolley:	uniaxial with transverse roller and counter plate
Gate body:	70 x 70 x 4 mm (supplied by the customer, up to 5000 mm opening) 80 x 80 x 4 mm (supplied by the customer, up to 6000 mm opening)
Gate infill:	max. 25 kg/m (wind permeable)
Frame height:	max. 1600 mm (up to 5000 mm opening) and 2200 mm (up to 6000 mm opening)


LÖ	GL	TL	FL	VA	Track length	Recommended track allocation	
						Stock length	Cut to length
4000	9400	5400	1600	700	5400		5400
5000	11900	6900	2100	1200	6900	6000	900
6000	14400	8400	2600	1700	8400	6000	2400

A complete gate installation consists of:

Foto	Article description	Part no.	Number
	Track no. 700		1
	Blank, Stock length	070010	
	Blank, cut to length	070011	
	White zinc-plated cut length, stock length	0700201	
	White zinc-plated cut length, cut to length	0700211	

We cannot recommend a hot-dip galvanizing of the rails.

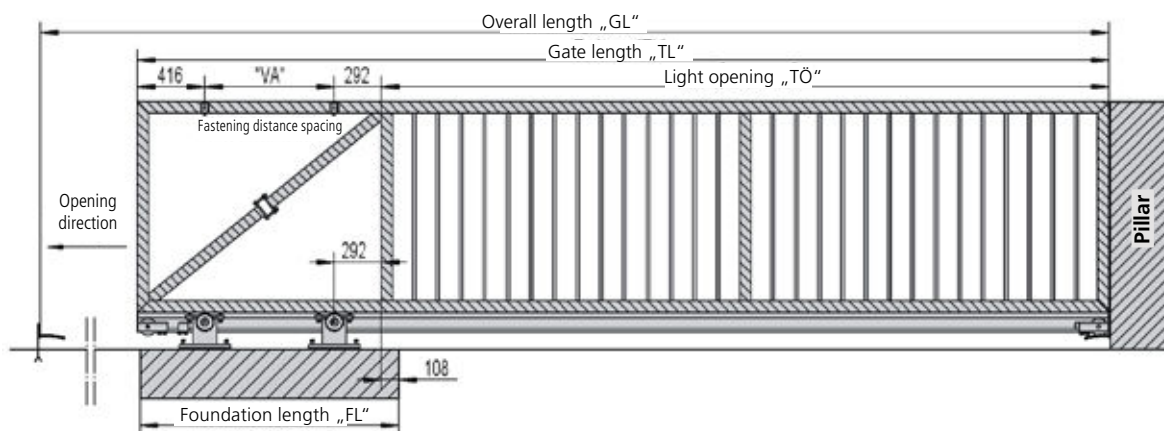
A complete set of accessories with Part no. 076021 consists of:

	Trolley 760	076020	2
	End roller 700 K	070031	1
	End roller 700 L	070030	1
	Track stop 1700 P/2	170020	1
	Catch 950 F	950117800106	2
	Top guide roller 969 K	096964	4

HELM 950/1

Gate installation up to 6500 mm opening

-welded type-



Technical data:








Type Trolley:	uniaxial with transverse roller and counter plate
Gate body:	70 x 70 x 3 mm
Gate infill:	max. 25 kg/m (wind permeable)
Frame height:	max. 2200 mm

LÖ	GL	TL	FL	VA	Track length	Recommended track allocation	
						Stock length	Cut to length
4500	10508	6008	1600	800	6000	6000	
5000	11708	6708	1800	1000	6700	6000	700
5500	13008	7508	2100	1300	7500	6000	1500
6000	14208	8208	2300	1500	8200	6000	2200
6500	15508	9008	2600	1800	9000	6000	3000

A complete Gate installation consists of:

Foto	Article description	Part no.	Number
	Track 950 Stock length 6 m, sendzimir zinc-electroplated Cut to length, sendzimir zinc-electroplated	950020010002 950020010093	1
We cannot recommend a hot-dip galvanizing of the rails.			

A complete set of accessories with Part no. 095021 consists of:

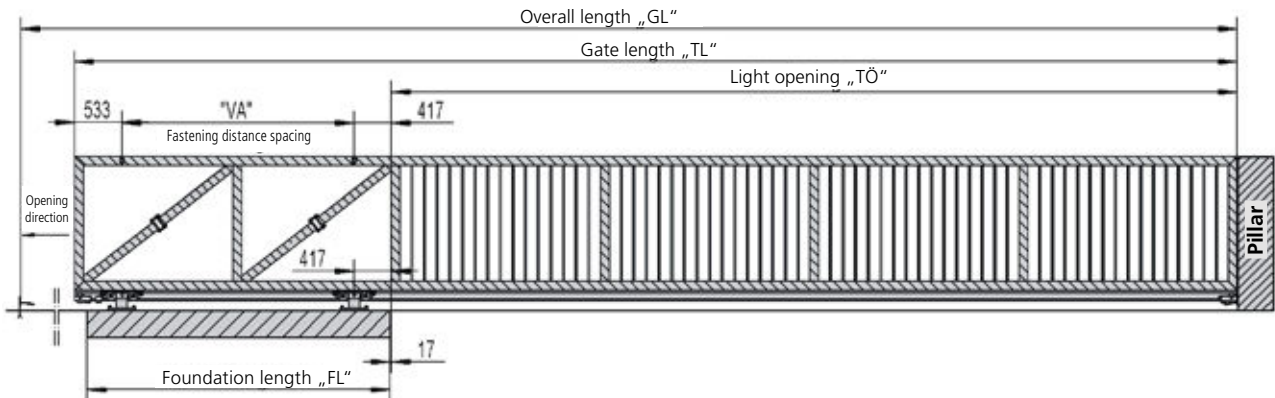
	Trolley 950/1	950050050001	2
	End roller 950 L	950117700106	1
	End roller 950 K	950117700001	1
	Track stop 950 P	950040100018	1
	Catch 950 F (short)	950117800106	1
	Catch 950 F (long)	950117800106-001	1
	Top guide roller 969 K	096964	4

If it is necessary to diverge from the indicated gate specifications (gate body and gate infill), we are pleased to provide you with static calculations for this hardware on an individual basis. Furthermore, it is possible as a distinctive feature to screw the gate frame onto the track. For this we are pleased to provide the necessary technical information on request.

HELM 950/2

Gate installation to 11500 mm opening

-welded type-




Technical data:

Type Trolley:	biaxial with transverse rollers and counter plate
Gate body:	80 x 80 x 4 mm (up to 9000 mm opening) and 100 x 100 x 4 mm (up to 11500 mm opening)
Gate infill:	max. 25 kg/m (wind permeable)
Frame height:	max. 2000 mm (up to 9000 mm opening) and 1900 mm (up to 11500 mm opening)








LÖ	GL	TL	FL	VA	Track length	Recommended track allocation	
						Stock length	Cut to length
7000	16058	9058	1900	1100	9050	6000	3050
8000	18458	10458	2300	1500	10500	6000	4500
9000	21008	12008	2850	2050	12000	2 x 6000	
10000	24058	14058	3900	3100	14050	2 x 6000	2050
11000	26958	15958	4800	4000	15950	2 x 6000	3950
11500	25458	16958	5300	4500	16950	2 x 6000	4950

A complete gate installation consists of:

Foto	Article description	Part no.	Number
	Track 950 Stock length 6 m, sendzimir zinc-electroplated Cut to length, sendzimir zinc-electroplated	950020010002 950020010093	1

We cannot recommend a hot-dip galvanizing of the rails.

A complete set of accessories with Part no. 095022 consists of:

	Trolley 950/2	950050050077	2
	End roller 950 L	950117700106	1
	End roller 950 K	950117700001	1
	Track stop 950 P	950040100018	1
	Catch 950 F (short)	950117800106	1
	Catch 950 F (long)	950117800106-001	1
	Top guide roller 969 K	096964	4

If it is necessary to diverge from the indicated gate specifications (gate body and gate infill), we are pleased to provide you with static calculations for this hardware on an individual basis. Furthermore, it is possible as a distinctive feature to screw the gate frame onto the track. For this we are pleased to provide the necessary technical information on request.



Required information for gateway gates

Company _____ Telephone _____

Name _____ Fax _____

Street _____ E-mail _____

Postcode/city _____ Contact person _____

Supply exclusively through specialised trade. Please indicate your specialist dealer if appropriate: _____

cantilever sliding gate

bottom running sliding gate

Required information:

Hardware _____ bolted type welded type

opening: _____ mm

Total gate height: _____ mm

Gate infill per m: _____ max. 25 kg/m wind permeable

closed

Operation frequency: approx. _____ per day/week

Actuation: manual

HELM track and pinion system ZA _____

Operation type: number of hand-held transmitters _____

2-channel 4-channel

number of key switch button, one-sided _____ on-wall in-wall

number of key switch button, two-sided "dead man safety system" on-wall in-wall

Safety devices:

light barrier up to 20 m range (one-way light barrier)

leading edge/finger guard profile

Number of side edges _____

Number of emergency stops _____ on-wall in-wall

Is the gate installation in a fall of gradient no yes, fall per metre _____

incline in the opening direction

incline in the closing direction

Additional accessories:

fixed housing for light barrier up to 20 m range

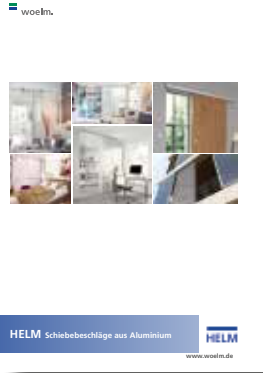
flashing alarm lamp, yellow

induction evaluation unit, 1-channel/ induction evaluation unit 2-channel, direction sensing

induction loop _____ m

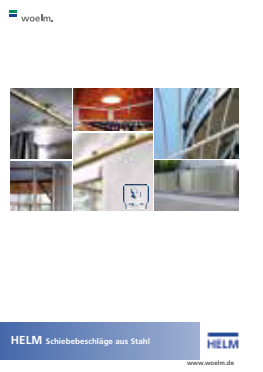
empty post of aluminium 1250 mm/1500 mm/2100 mm

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Katalog HELM sliding hardware made of aluminium - KDH_01

- HELM Modul.Concept 80 and 140
- HELM GT Hardware
- HELM 150 sliding door Hardware
- HELM Design Hardware
- HELM Hardware for sliding wardrobe doors
- HELM Hardware for sliding shutters
- HELM Hardware for folding sliding shutters



Katalog HELM sliding hardware made of steel - KDH_02

- HELM Hardware for sliding gates
- HELM Hardware for special applications
- HELM Hardware for curtains and tarpaulins
- HELM hinging facility
- HELM Hardware for gateway gates



Katalog KWS building hardware - KDK_01

- KWS Door Holders and Door Stops
- KWS Door Buffers
- KWS Door Pulls
- KWS Modular System
- KWS Lever Handles, Door Knobs, House Numbers, Escutcheons and Door Bells
- KWS Flush Pulls, Door Handles, Locks, Drehzapfenbänder und Türanschläge
- KWS Handrails, Floor Rails, Coat Racks and Partition Walls



Code with link to download
the brochure BEH_0609

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