

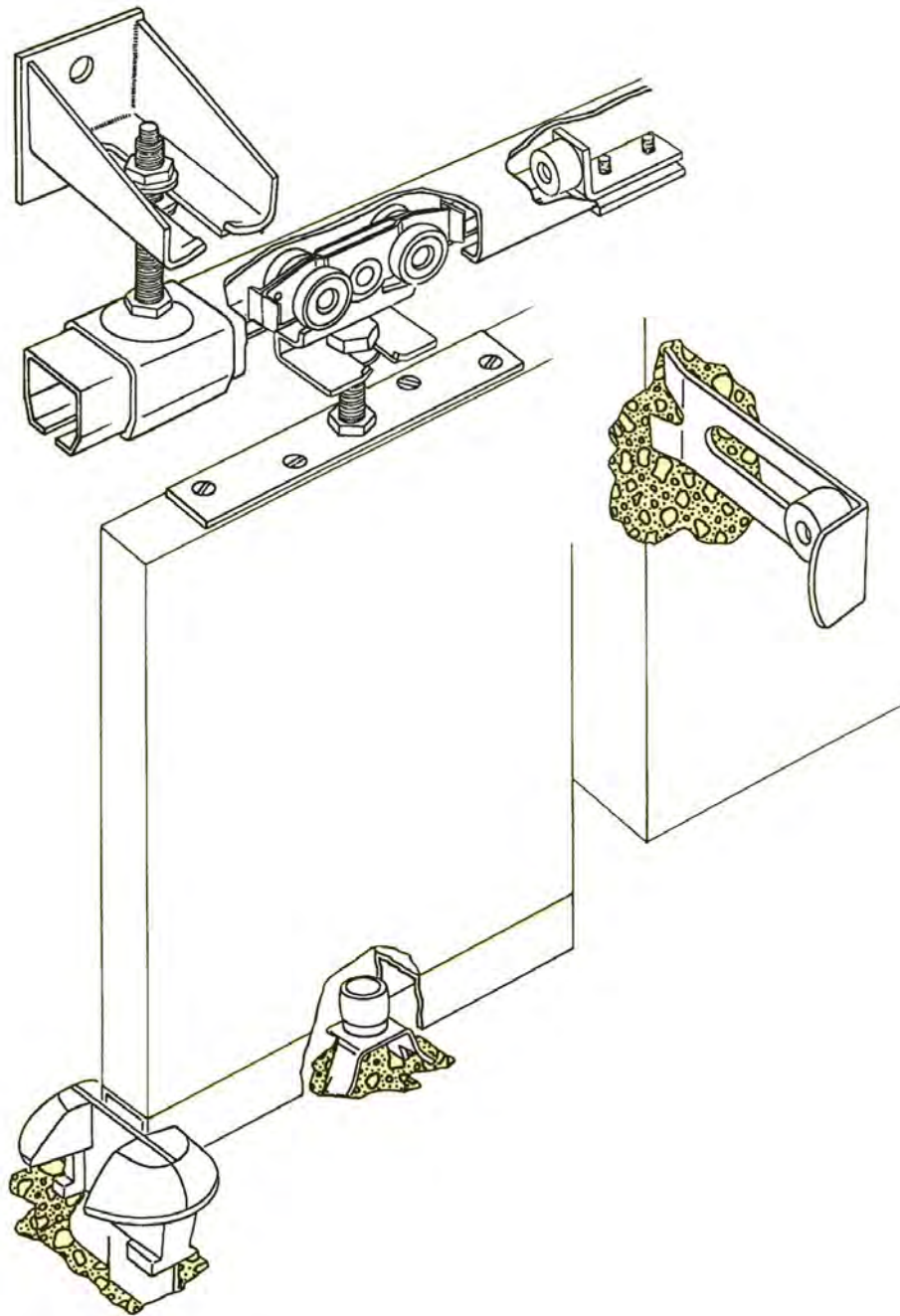
A collection of various mechanical components including pulleys, rollers, brackets, and fasteners. The items are arranged in two rows. The top row features a U-shaped metal bracket, a metal fastener with two rollers, a metal bracket with two holes, a white plastic roller with a metal base, a metal bracket with a hook, a metal bracket with a hook, a large black pulley, and a smaller black pulley. The bottom row includes a metal bracket with a roller, a white plastic roller, a white plastic roller, a metal bracket with two rollers, a metal bracket with a roller, and a metal bracket with a roller.

High-Quality since 1875

Complete Catalogue

Table of Contents

Classic 9 - Sliding Door Systems	S. 002-29c
Classic 9 - Sliding Door Systems, AISI304	S. 030-39a
Classic 9 - Sliding Door Systems, AISI316L	S. 040-049
Classic 9 - Sliding Door Systems, Aluminium	S. 050-055
Classic 9 - Sliding Door Systems, Elegant	S. 056-065
Conveyor Technology	S. 066-123
Folding Gate Systems	S. 124-147
Cantilever Gate Systems	S. 184-161
Roller Wheels and Pulleys	S. 162-235
Guides for Doors and Gates	S. 236-249
Accessories for Doors and Gates	S. 250-271
DIY-Programme	S. 272-289



Classic 9

Sliding Door Systems, C-Profile

Table of Contents

Classic 9 - Tube Drive Systems, C-Profile

Tracks, Joint Brackets	p. 004-005
Hangers	p. 006-013
Screw-on Plates	p. 014-015
Fixing Brackets	p. 016-021
Side Fixing Brackets	p. 022-025
Track Stoppers	p. 026-027
U-Tracks and Guide Rollers	p. 028-029
Annex - more Guide Rollers	p. 28a-29c

Classic 9

Sliding Door Systems, C-Profile



HBS-Tracks

Material:

Steel, sendzimir zincked
zink-magnesium (ZM)

Features:

standard length 6m, 3m, 2m



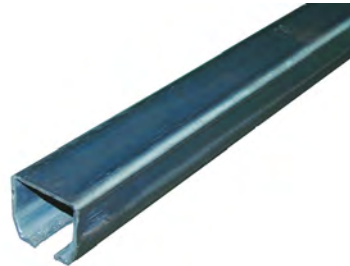
HBS-Tracks

Material:

Steel, unzincked

Features:

standard length 6m, 3m, 2m



HBS-Joint Brackets

Material:

steel, galvanized

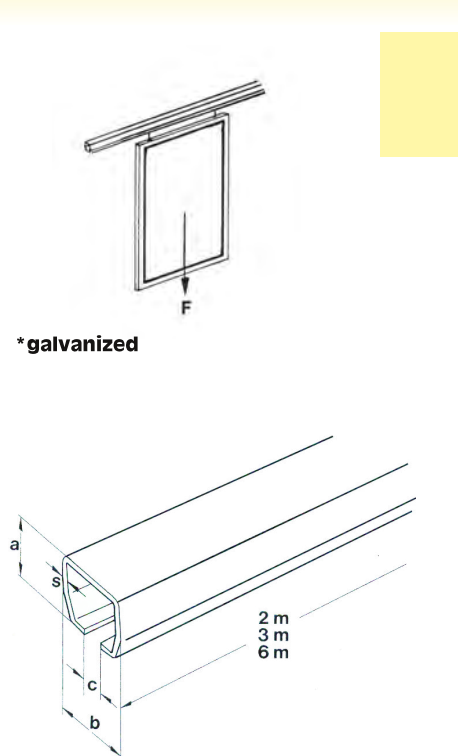
Features:

fast fixing by bolting

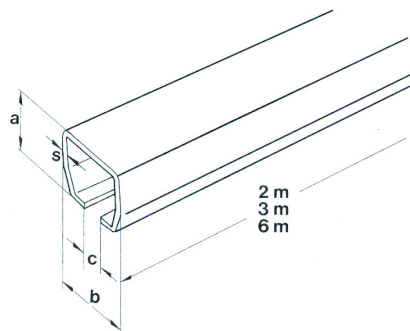


Follow your Track

		10	30	40	50	60	70
Track		82100	82102	82104	82106	82108	82118
F = max. door weight in kg		80	180	400	750	1200	2000
Item No.	2m	82138	82120	82122	82163	82170	82171*
	3m	82136	82121	82123	82137	82139	82185*
	6m	82100	82102	82104	82106	82108	82118*
EAN-No.	2m	4001425821382	4001425821207	4001425821221	4001425821634	4001425821702	4001425821719
	3m	4001425821368	4001425821214	4001425821238	4001425821375	4001425821399	4001425821856
	6m	4001425821009	4001425821023	4001425821047	4001425821061	4001425821085	4001425821184
	a	28	35	43,5	60	75	110
	b	30	40	48,5	65	80	90
	c	8	10	15	18	22	25
	s	1,8	2,8	3,2	3,8	4,5	7
Weight	kg/m	1,8	2,51	3,45	5,39	8,57	15,86

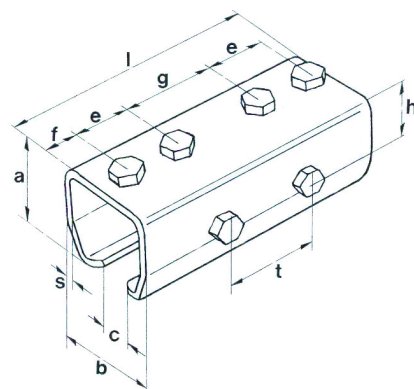


Item No.	2m	82173	82174	82175	82176	82177	82178
	3m	82179	82180	82181	82182	82183	82184
	6m	82125	82126	82124	82127	82128	82129
EAN-No.	2m	4001425821733	4001425821740	4001425821757	4001425821764	4001425821771	4001425821788
	3m	4001425821795	4001425821801	4001425821818	4001425821825	4001425821832	4001425821849
	6m	4001425821252	4001425821269	4001425821245	4001425821276	4001425821283	4001425821290
	a	28	35	43,5	60	75	110
	b	30	40	48,5	65	80	90
	c	8	10	15	18	22	25
	s	1,8	2,8	3,2	3,8	4,5	7
Weight	kg/m	1,8	2,51	3,45	5,39	8,57	15,86



Item No.		85200	85201	85202	85203	65019	85204*
EAN-No.		4001425852003	4001425852010	4001425852027	4001425852034	4001425650197	4001425852041
	a	35	45	55	75	98	135
	b	37,5	50	60	80	98	115
	c	10	16,5	19	25	28	32
	e	15	25	28	50	55	70
	f	12	12	24	18	18	20
	g	24	41	40	45	45	40
	h	80	19,5	19	32	35	65
	l	80	115	145	180	205	220
	s	3	4	4	6	8	10
	t	24	41	50	45	40	40
Weight/pc.	kg	0,23	0,58	0,82	2,04	3,96	6,89

* with extra hex nuts for screw locking device



Classic 9

Sliding Door Systems, C-Profile

HBS-Hangers

four rollers

Material:

bracket, fixing bolt and rollers
of galvanized steel or rollers of
plastic (PA6)*

Features:

The four rollers are ball bearing mounted.
Because of the fixing bolt remounting and
unmounting is as easy as horizontal and vertical
adjusting.



HBS-Hangers

eight rollers

Material:

bracket, fixing bolt and
rollers of galvanized steel

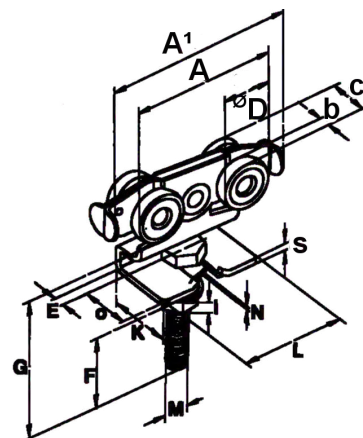
Features:

The eight rollers are ball bearing mounted.
Because of the fixing bolt remounting and
unmounting is as easy as horizontal and vertical
adjusting.



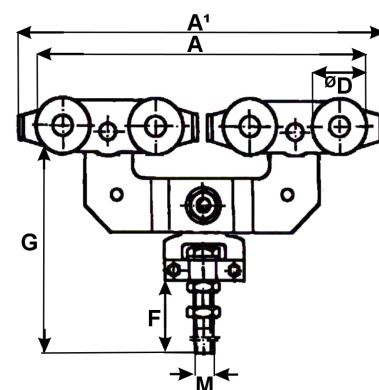
Follow your Track

		10	30	40	50	60	70
Track		82100	82102	82104	82106	82108	82118
max. loading per piece in kg		40 30*	90 60*	200 100*	375 200*	600 300*	1000
Item No.		85000	85002	85006	85010	65017	85024
EAN-No.		4001425850009	4001425850023	4001425850061	4001425850108	4001425650173	4001425850245
heat-resistant		85084	85085				
EAN-No.		4001425850849	4001425850856				
Special Thread M16				85035			
EAN-No.				4001425850351			
Item No.	PA6*	85614*	85615*	85616*	85617*	85618*	
EAN-No.	PA6*	4001425856148	4001425856155	4001425856162	4001425856179	4001425856186	
	b	7	8	10	15	16	20
	c	20	25	32	43	52	56
	i	8	6	7	8	10	10
	o	16	25	35	33	29	36
	s	3	4	5	8	8	10
	A	77	84	127,5	145	147	354
	A ¹	87,5	91	138	158	156	360
	E	12	16	17	28	30	31
	∅D	23	28	34	48	60	95
	F	50	63	62	68	80	86
	G	78	95	109	118	125	163
	K	30	39	54	60	60	68
	L	50	60	80	100	100	158
	N	1,5	2,5	2,5	3	3	4
thread	M	M 10	M 12	M 14	M 16	M 20	M 24
Weight/pc.	kg	0,25	0,43	0,9	1,95	2,6	8,52



max. loading per piece in kg					600	1000	2000
Item No.					85027	85016	85025
EAN-No.					4001425850276	4001425850160	4001425850252
	b				15	16	20
	c				43	52	56
	i				10	10	10
	A				318	313	455
	A ¹				330	332	492
	∅D				48	60	95
	F				60	60	60
	G				189,5	170	275
	L				-	-	122
	N				3	3	3
thread	M				M 20	M 20	M 20
Weight/pc.	kg				3,9	4,8	17,6

8 rollers



Classic 9

Sliding Door Systems, C-Profile

HBS-Hangers

two rollers

Material:

bracket, fixing bolt and
rollers of galvanized steel

Features:

The two rollers are ball bearing mounted.
Because of the fixing bolt remounting and
unmounting is as easy as horizontal and vertical
adjusting.



HBS-Hangers

four rollers

with pendulum bracket to weld on

Material:

bracket and roller of galvanized steel
pendulum bracket of ungalvanized steel

Features:

The four rollers are ball bearing mounted.



HBS-Hangers

four rollers

with screw-on plate

Material:

bracket, screw-on plate, base frame
and rollers of galvanized steel

Features:

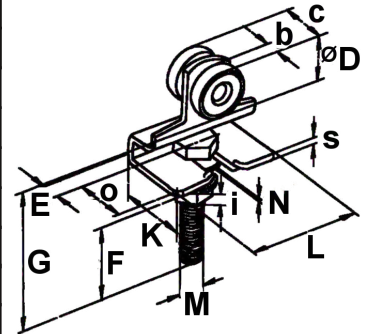
low design

The four rollers are ball bearing mounted.

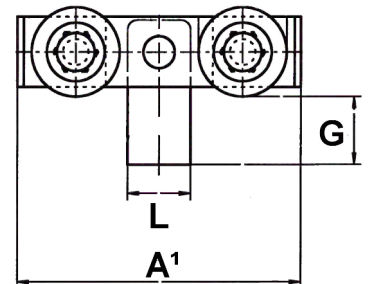


Follow your Track

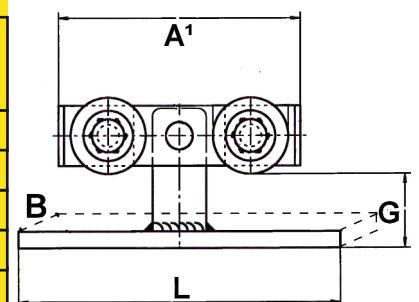
		10	30	40	50	60	70
Track		82100	82102	82104	82106	82108	82118
max. loading per piece in kg		30	50	100	175		
Item No.		85050	85051	85052	85053		
EAN-No.		4001425850504	4001425850511	4001425850528	4001425850535		
	b	7	8	10	15		
	c	20	25	32	45		
	i	8	6	7	8		
	o	15	22	30	31		
	s	3	4	5	8		
	E	15	16	20	29		
	øD	23	28	34	48		
	F	50	64	62	69		
	G	77	97	100	112		
	K	30	40	54	60		
	L	50	60	80	100		
	N	2	2,5	2,5	3		
thread	M	M 10	M 12	M 14	M 16		
Weight/pc.	kg	0,17	0,32	0,6	1,3		



max. loading per piece in kg		40	90	200			
Item No.		84119	84120	84121			
EAN-No.		4001425841199	4001425841205	4001425841212			
	A'	87,5	90	138			
	G	12	21	25			
	L	20	20	35			
Weight/pc.	kg	0,15	0,23	0,52			



max. loading per piece in kg		40	90	200			
Item No.		84122	84123	84124			
EAN-No.		4001425841229	4001425841236	4001425841243			
	A'	87,5	90	138			
	B	20	30	30			
	G	16	27	37,5			
	L	120	120	180			
Weight/pc.	kg	0,22	0,39	0,9			



Classic 9

Sliding Door Systems, C-Profile

HBS-Hangers

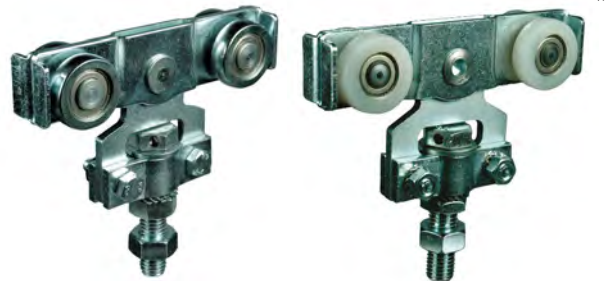
four rollers

Material:

bracket, fixing bolt, base frame and rollers of galvanized steel or rollers of plastic (PA6)*

Features:

The four rollers are ball bearing mounted. Because of the fixing bolt remounting and unmounting is as easy as vertical adjusting.



HBS-Hangers

with guide rollers, four rollers

Material:

bracket, base frame, fixing bolt and rollers of galvanized steel

Features:

The four rollers and the two guide rollers are ball bearing mounted. Because of the fixing bolt remounting and unmounting is as easy as horizontal and vertical adjusting.



HBS-Hangers

four rollers

Material:

bracket, fixing bolt and rollers of galvanized steel or rollers of plastic (PA6)*

Features:

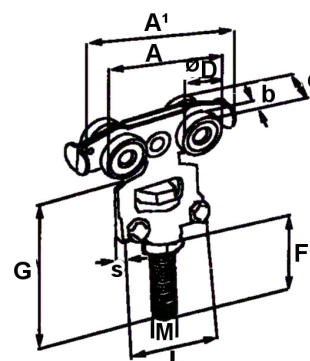
short design

The screw is pivoted. The four rollers are ball bearing mounted. Because of the fixing bolt remounting and unmounting is easy.

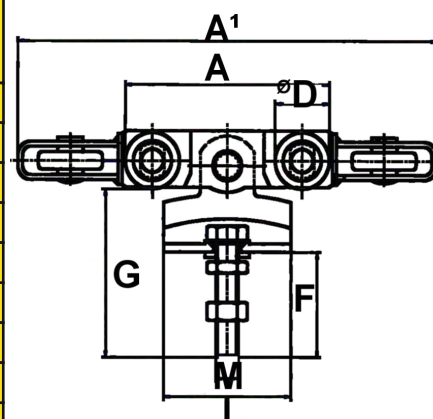


Follow your Track

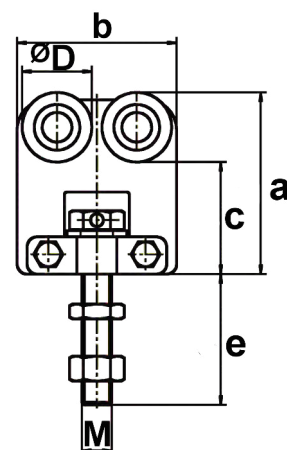
		10	30	40	50	60	70
Track		82100	82102	82104	82106	82108	82118
max. loading per piece in kg		40 30*	90 60*	200 100*	375 200*	600 300*	
Item No.		85001	85003	85007	85011	85015	
EAN-No.		4001425850016	4001425850030	4001425850078	4001425850115	4001425850153	
Item No.	PA6*	85619*	85620*	85621*	85622*	85623*	
EAN-No.	PA6*	4001425856193	4001425856209	4001425856216	4001425856223	4001425856230	
	b	7	8	10	15	16	
	c	20	26	32	44	51	
	s	3	4	5	6	6	
	A	77	84	127	143	146	
	A'	87	90	138	156	156	
	∅D	23	28	34	48	60	
	F	40	51	47	52	70	
	G	72	91	94	112	127	
	L	48	56	65	78	78	
thread	M	M 10	M 12	M 14	M 16	M 20	
Weight/pc.	kg	0,25	0,44	0,84	1,68	2,32	



max. loading per piece in kg		40	90	200	375		
Item No.		85032	85012	85014	85013		
EAN-No.		4001425850324	4001425850122	4001425850146	4001425850139		
	A	76,5	83	128	145		
	A'	155	171	266	287		
	∅D	23	28	34	48		
	F	50	63	62	68		
	G	79	95	101	120		
	L	50	60	80	100		
thread	M	M 10	M 12	M 14	M 16		
Weight/pc.	kg	0,35	0,66	1,26	2,68		



max. loading per piece in kg		90 60*	200 100*	375		
Item No.		85018	85019	85020		
EAN-No.		4001425850184	4001425850191	4001425850207		
Item No.	PA6	85028*	85029*			
EAN-No.	PA6	4001425850283	4001425850290			
	a	73	84	100		
	b	64	75	105		
	c	45	50	60		
	e	51	50	50		
	∅D	28	34	48		
thread	M	M 12	M 14	M 16		
Weight/pc.	kg	0,4	0,7	1,52		



Classic 9

Sliding Door Systems, C-Profile

HBS-Hangers

four rollers

Material:

bracket and base frame of galvanized steel,
rollers of plastic or as an alternative (on request)
of steel*

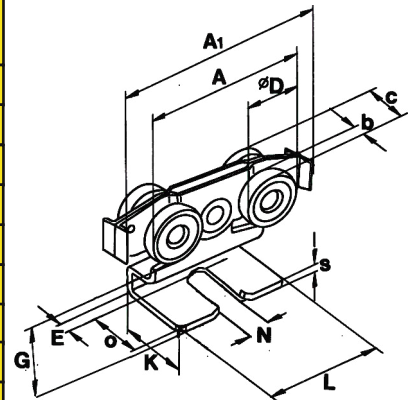
Features:

The four rollers have got a friction bearing.
The hanger is without a fixing bolt.



Follow your Track

		10	30	40	50	60	70
Track		82100	82102	82104	82106	82108	82118
max. loading per piece in kg				100 150*			
Item No.				85061			
EAN-No.				4001425850610			
Item No.				85067*			
EAN-No.				4001425850672			
	b			8			
	c			30,5			
	o			34,5			
	s			4			
	A			87			
	A ¹			90,5			
	E			5,5			
	∅D			34			
	G			30			
	K			40			
	L			60			
	N			12,6			
thread	M			M 12			
Weight/pc.	kg			0,319			



Classic 9

Sliding Door Systems, C-Profile

HBS-Screw-on plates

for hanger fixing

Material:

galvanized steel

Features:

The screw-on plate has got a thread for the fixing bolt and is affixed to solid wood frontally



81014



HBS-Straps, adjustable

for hanger fixing

Material:

galvanized steel

Features:

The strap has got a thread for the fixing bolt and is affixed to the sides of door leafs with different thicknesses.



HBS-Weld-on plates

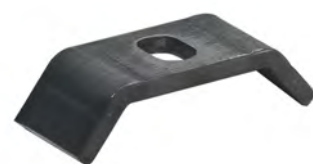
for hanger fixing

Material:

ungalvanized steel

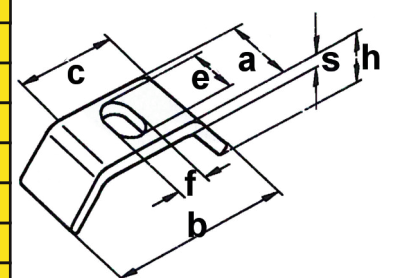
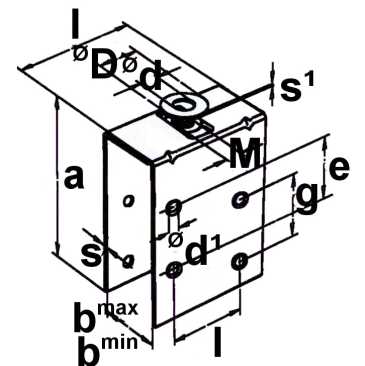
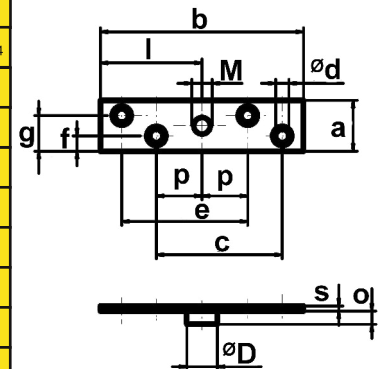
Features:

The weld-on plate has got a elongated hole for the fixing bolt and is affixed to steel frames frontally.



Follow your Track

		10	30	40	50	60	70
							
Track		82100	82102	82104	82106	82108	82118
Item No.		81014	81021	81024	81028	81029	81032
EAN-Nr.		4001425810140	4001425810218	4001425810249	4001425810287	4001425810294	4001425810324
Special Thread M16				81033			
EAN-No.				4001425810331			
	a	25	30	35	40	45	45
	b	100	170	210	265	400	400
	c	62	105	129	155	215	215
	ød	6,4	7	8,5	10,5	12,5	12,5
	e	62	105	129	155	215	215
	f	7,5	12	14	20	22,5	22,5
	g	17,5	17	20	20	22,5	22,5
	l	50	85	105	132,5	200	200
	p	22,5	36	43	43	43	43
	s	3	4	6	12	12	12
	o	72	91	-	-	15,5	19
	øD	12	18	-	-	33,5	42
thread	M	M 10	M 12	M 14	M 16	M 20	M 24
Weight/pc.	kg	0,06	0,15	0,59	0,93	1,39	1,41
Item No.		81013	81019	81022	81025		
EAN-No.		4001425810133	4001425810195	4001425810225	4001425810256		
	a	80	100	148	155		
	b ^{min}	25	40	50	55		
	b ^{max}	35	50	65	75		
	ød	10,5	13	15	17		
	ød ¹	5	5,5	6,5	6		
	e	-	40	60	60		
	g	45	40	60	60		
	i	35	45	60	54		
	l	55	76	91	100		
	s	1,5	2	3	3		
	s ¹	2	2,5	2,5	3		
	øD	20	24	28	30		
thread	M	M 10	M 12	M 14	M 16		
Weight/pc.	kg	0,16	0,3	0,86	0,99		
Item No.			81020	81023	81026		
EAN-No.			4001425810201	4001425810232	4001425810263		
	a		35	40	50		
	b		77	94	102		
	c		50	64	60		
	e		19,5	24	26,5		
	f		12,5	15	16,5		
	h		24	25	26		
	s		5	6	6		
Weight/pc.	kg		0,12	0,18	0,21		



Classic 9

Sliding Door Systems, C-Profile

HBS-Welding-on Brackets

for track fixing on steel constructions

Material:

ungalvanized steel

Features:

The distance between two brackets has to be max. 750mm.



HBS-Ceiling Brackets

for track fixing at the ceiling

Material:

galvanized steel

Features:

The distance between two brackets has to be max. 750mm.



HBS-Wall Fixing Brackets

for track fixing at walls

Material:

galvanized steel

Features:

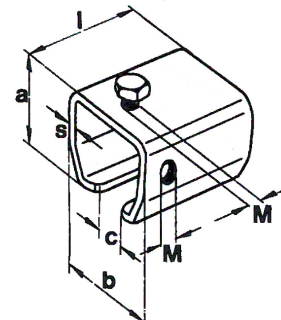
The distance between two brackets has to be max. 750mm.



Follow your Track

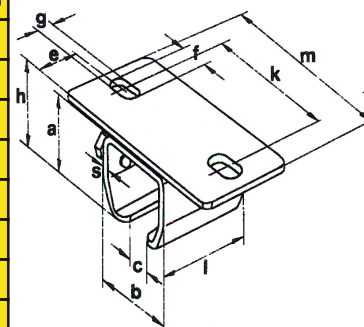
		10	30	40	50	60	70
Track		82100	82102	82104	82106	82108	82118
Item No.		85160	85161	85162	85163	65023	65014*
EAN-No.		4001425851600	4001425851617	4001425851624	4001425851631	4001425650234	4001425650142
	a	35	45	55	73,5	98	133
	b	37,5	50	60	80	102	116,5
	c	11	15	20	27	25	32
	l	40	55	66	85	110	110
	s	3	4	4	6	8	10
thread	M	M 6	M 8	M 8	M 8	M 10	M 12
Weight/pc.	kg	0,1	0,23	0,39	0,97	2,1	3,3

* with extra nuts for screw locking device



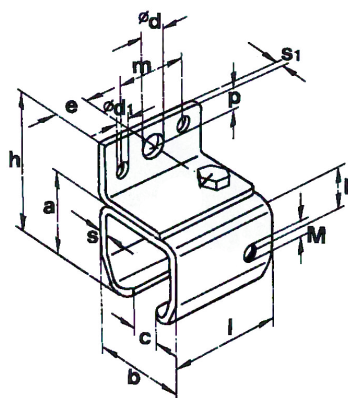
Item No.		85180	85181	85182	85183	65025	65015*
EAN-No.		4001425851808	4001425851815	4001425851822	4001425851839	4001425650258	4001425650159
	a	35	45	55	75	98	136
	b	37,5	50	60	80	97	115
	c	11	16,5	20	25	28	32
	e	20	27	32,5	45	55	50
	f	17	19	21	28	30	34
	g	9	11	13	17	20,5	21
	h	38	48	58	82	106	146
	k	70	80	93	124	148	167
	l	40	54	65	82	111	110
	m	100	115	130	170	210	225
	s	3	4	4	6	8	10
Weight/pc.	kg	0,19	0,41	0,75	1,8	3,9	5,25

* with extra nuts for screw locking device



Item No.		85170	85171	85172	85173*	65024*	65016**
EAN-No.		4001425851708	4001425851716	4001425851723	4001425851730	4001425650241	4001425650166
	a	35	45	55	74	98	135
	b	37,5	50	60	80	97	115,5
	c	11	16,5	20	25	25	32
	ød	10	12	12	17	20,5	26
	ød ¹	5	6,5	8	8	10	8,5
	e	20	27	32	42	49,8	55
	h	60	74	95	125	156	204
	k	15	20	20	31,5	35	63
	l	40	55	65	85	110	110
	m	25	33	44,5	53	70	70
	p	11	12	16,5	22	25	30
	s	3	4	4	6	7	10
	s ¹	3	4	4	6	7	11
thread	M	M 6	M 8	M 8	M 8	M 10	M 12
Weight/pc.	kg	0,17	0,35	0,58	1,37	2,49	4,87

** with extra nuts for screw locking device



Classic 9

Sliding Door Systems, C-Profile

HBS-Double Ceiling Brackets

for track fixing at ceiling

Material:

galvanized steel

Features:

The distance between two brackets has to be max. 750 mm.



HBS-Double Wall Brackets

for track fixing at walls

Material:

galvanized steel

Features:

The distance between two brackets has to be max. 750 mm.



HBS-Clamps

for I-beam and T-beam

for fixing of adjustable brackets

Material:

galvanized steel

Features:

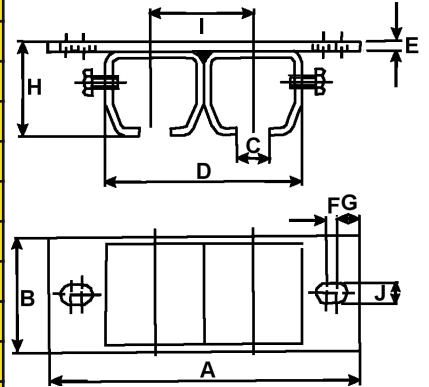
The distance between two clamps has to be max. 750 mm.



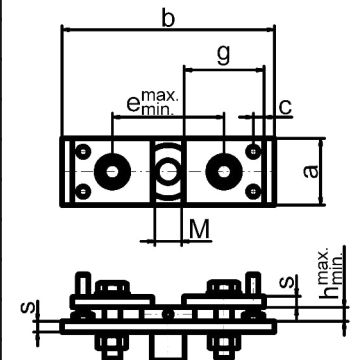
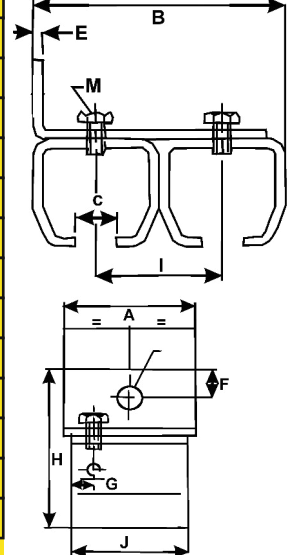
Follow your Track

		10	30	40	40	50	60
							
Track		82100	82102	82104		82108	82118
Item No.		85188	85185	85186	85168*	85184	
EAN-No.		4001425851884	4001425851853	4001425851862	4001425851686	4001425851846	
	A	120	165	190	210	258	
	B	30	60	80	80	90	
	C	11	15	20	20	25	
	D	75	101	124	140	163	
	E	3	4	6	6	8	
	F	14	11	12	12	10	
	G	10,5	12	11	11	16	
	H	38	48	60	60	82	
	I	38	51	63	80,5	83	
	J	8,1	11	12	12	16	
thread	M	M 6 x 12	M 8 x 15	M 8 x 15	M 8 x 15	M 8 x 15	
Weight/pc.	kg	0,35	0,77	1,8	1,58	3,5	
Item No.		85167	85165	85164	85169*	85166	
EAN-No.		4001425851679	4001425851655	4001425851648	4001425851693	4001425851662	
	A	30	60	80	80	90	
	B	75	100	120	140	165	
	C	11	16	20	20	25	
	ØD	8,5	12,5	16,5	12	16,5	
	E	4	4	6	6	8	
	F	14	18	20	7	20	
	G	8	12	12,5	12,5	20	
	H	80	88	112	95	126	
	I	37,5	51	60	80,5	83	
	J	40	55	65	65	85	
thread	M	M 6 x 12	M 8 x 15	M 8 x 15	M 8 x 15	M 8 x 15	
Weight/pc.	kg	0,45	0,74	1,32	1,6	3,13	
Item No.		81302	81355		81381		
EAN-No.		4001425813028	4001425813554		4001425813813		
	a	50	50		50		
	b	160	160		160		
	c	7,5	7,5		7,5		
	e ^{min}	64	64		64		
	e ^{max}	100	100		100		
	g	55	55		55		
	h ^{min}	7	7		7		
	h ^{max}	30	30		30		
	s	6	8		8		
thread	M	M 10	M 14		M 20		
Weight/pc.	kg	0,83	1,01		1,05		

*with distance



*with distance



Classic 9

Sliding Door Systems, C-Profile

HBS-Wall Fixing Brackets

with cranked screw-on sheet

for track fixing at walls

Material:

galvanized steel

Features:

The distance between two brackets has to be max. 750 mm.



HBS-Adjustable Brackets

for track fixing

Material:

galvanized steel

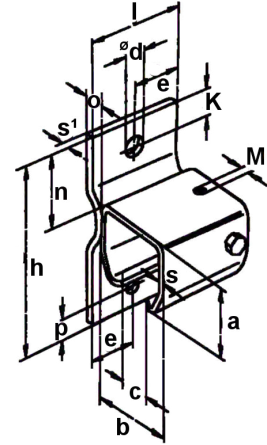
Features:

The track can be adjusted in height by the mandrel. The distance between two brackets has to be max. 750 mm.

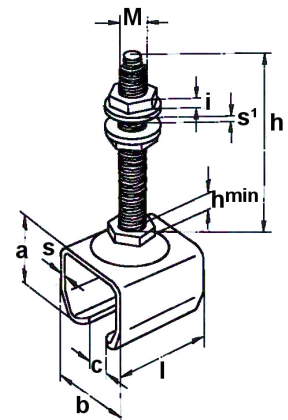


Follow your Track

		10	30	40	50	60	70
Track		82100	82102	82104	82106	82108	82118
Item No.				65029			
EAN-No.				4001425650296			
	a			55			
	b			60			
	c			20			
	∅d			13			
	e			35			
	h			140			
	l			70			
	n			39			
	o			14			
	p			15			
	s			4,5			
	s'			6			
	K			20			
thread	M			M 8			
Weight/pc.	kg			0,87			



Item No.		85190	85191	85192	85193	65018	85195
EAN-No.		4001425851907	4001425851914	4001425851921	4001425851938	4001425650180	4001425851952
	a	35	45	55	80	99	135
	b	37,5	50	60	78	102	115,5
	c	11	16	19	25	28	34
	h	80	95	95	115	100	170
	h ^{min}	8	14	14	14	26	24
	i	8	10	10	10	15	24
	l	40	55	65	85	110	110
	s	3	4	4	5	8	10
	s'	2	2,5	2,5	3	3	4
thread	M	M 10	M 14	M 14	M 20	M 20	M 30
Weight/pc.	kg	0,18	0,41	0,56	1,24	2,54	5,1



Classic 9

Sliding Door Systems, C-Profile

HBS- Side Fixing Brackets

for one adjustable bracket

Material:

galvanized steel

Features:

The track can be adjusted in height and to the wall by the elongated hole. The distance between two brackets has to be max. 750 mm.



HBS-Side Fixing Brackets

for one adjustable bracket

Material:

galvanized steel

Features:

The track can be adjusted in height and to the wall by the side fixing bracket. The distance between two brackets has to be max. 750 mm.



HBS-Side Fixing Brackets

for one adjustable bracket

Material:

galvanized steel

Features:

The track can be adjusted in height and to the wall by the side fixing bracket. The distance between two brackets has to be max. 750 mm.

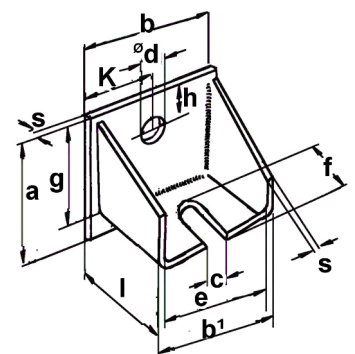
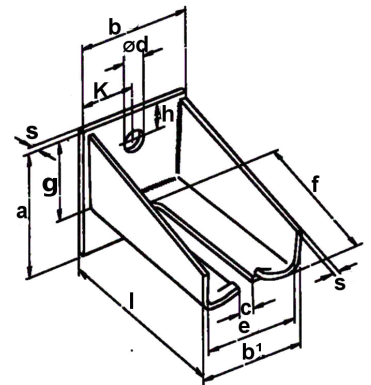
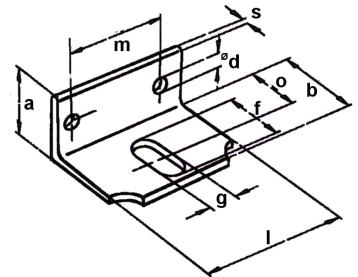


Follow your Track

		10	30	40	50	60	70
							
Track		82100	82102	82104	82106	82108	82118
Item No.		85220	85221	85222	81376		
EAN-No.		4001425852201	4001425852218	4001425810249	4001425810287		
	a	40	43	55	73,5		
	b	40	60	70	90		
	Ød	6,5	8,5	10,5	12		
	f	17,5	34	34	40		
	g	10,5	14	14	20,5		
	l	50	80	90	100		
	m	38	55,5	59,5	69,5		
	o	26	37	43	52		
	s	4	5	6	8		
Weight/pc.	kg	0,11	0,26	0,43	0,79		

Item No.			85211	85212	85217
EAN-No.			4001425852119	4001425852126	4001425852171
	a		75	110	130
	b		70	80	130
	b'		70	80	115
	c		16,5	20,5	31
	Ød		12,5	20,5	26
	e		62	68	95
	f		100	95	90
	g		70	80	80
	h		15,2	24,5	31
	k		35	40	65
	l		128	115	132
	s		4	6	10
Weight/pc.	kg		0,26	0,79	3,2

Item No.			85210		
EAN-No.			4001425852102		
	a		75		
	b		70		
	b'		70		
	c		16,5		
	Ød		12,5		
	e		62		
	f		37,5		
	g		70		
	h		15		
	k		35		
	l		60		
	s		4		
Weight/pc.	kg		0,41		



Classic 9

Sliding Door Systems, C-Profile

HBS-Side Fixing Brackets

for two adjustable brackets

Material:

galvanized steel

Features:

Two tracks can be adjusted in height and to the wall by the side fixing bracket. The distance between two brackets has to be max. 750 mm.



HBS-Girder for two tracks

for two adjustable brackets

Material:

galvanized steel

Features:

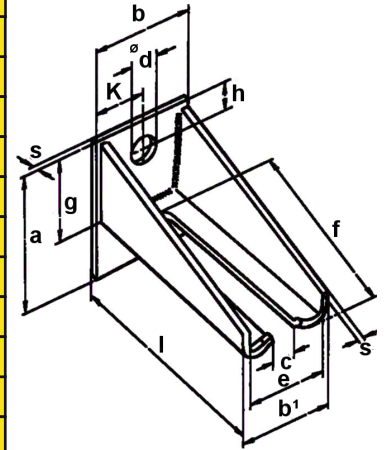
Two tracks can be adjusted in height and to the wall by the side fixing bracket. The distance between two girders has to be max. 750 mm.



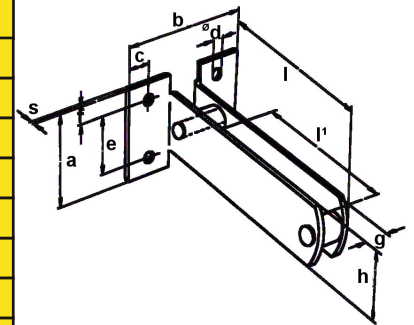
Please mind the maximum loading capacity!

Follow your Track

		10	30	40	50	60	70
Track		82100	82102	82104	82106	82108	82118
max. loading per piece in kg			400		750	1200	
Item No.			85213		85214	65011	
EAN-No.			4001425852133		4001425852140	4001425650111	
	a		75		110	98,5	
	b		70		80	90	
	b'		70		80	92,5	
	c		16,5		20,5	25,5	
	∅d		12,5		20,5	18	
	e		62		68	75,5	
	f		100		154	124,5	
	g		70		80	69	
	h		15,2		24,5	25	
	k		35		40	45	
	l		145		175	158	
	s		4		6	8	
Weight/pc.	kg		0,26		1,69	1,91	



max. loading per piece in kg		80	400	500		
Item No.		81301	81354	81379		
EAN-No.		4001425813011	4001425813547	4001425813790		
	a	50	80	90		
	b	55	95	110		
	c	10	17,5	21		
	∅d	6,4	8,5	10,5		
	e	35	50	65		
	f	7,5	15	13		
	g	14	15,5	21,5		
	h	25	50	50		
	k	113	180	212		
	l	65	130	155		
	s	3	4	5		
Weight/pc.	kg	0,19	0,76	1,18		



Classic 9

Sliding Door Systems, C-Profile

HBS-Track Stoppers

with end cover

Material:

galvanized steel; rubber buffer

Features:

Der Schienentürstopper dient zum Abschließen der Laufschiene und verhindert, dass die Rollapparate hinausgleiten können.



HBS-Track Stoppers

to fix in the track

Material:

galvanized steel; rubber buffer

Features:

The track stopper serves to limit the slide way of the hangers and to prevent that the hangers can slide off the track.



85109*

HBS-Door Lockings

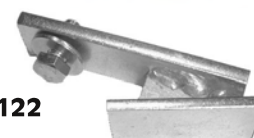
for stables

Material:

galvanized steel

Features:

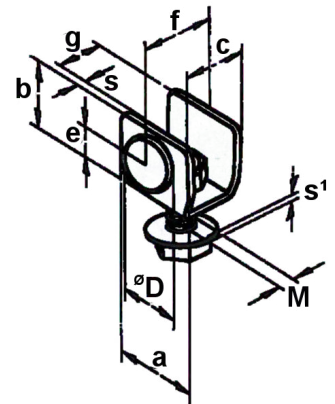
The door locking is fixed in the track and is qualified for stables because of sprung locking, which locks automatically.



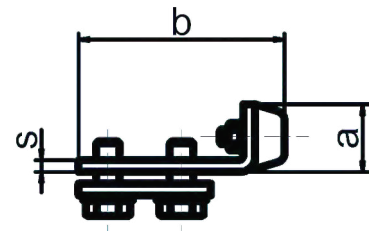
*85122

Follow your Track

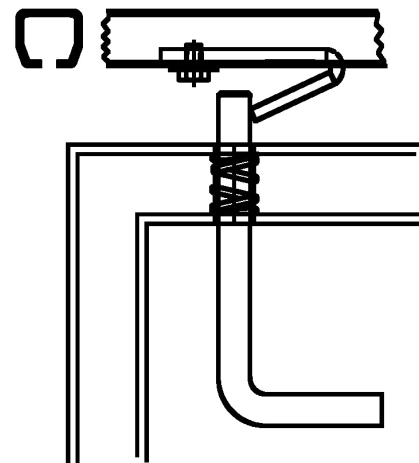
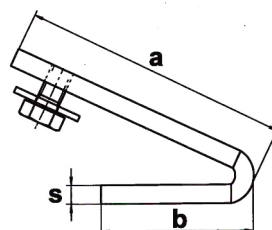
		10	30	40	50	60	70
							
Track		82100	82102	82104	82106	82108	82118
Item No.		85114	85115	85116	85117		
EAN-No.		4001425851143	4001425851150	4001425851167	4001425851174		
	a	25,5	33	39	55		
	b	24	27,5	34	50		
	c	19	24	28	35,5		
	e	12	17	22,5	30		
	f	31	36	40	47,5		
	g	15	18	20	25		
	s	2	3	4	5		
	s'	1	2	2,5	2,5		
	øD	14,5	20	20	20		
thread	M	M 8	M 10	M 12	M 16		
Weight/pc.	kg	0,04	0,1	0,15	0,38		



Item No.		85101	85104	85105	85106
EAN-No.		4001425851013	4001425851044	4001425851051	4001425851068
Special Stopper			85109		
EAN-Nr.			4001425851099		
	a	22	30	46	60
	b	61	69	98	82
	s	4	5	8	8
Weight/pc.	kg	0,12	0,21	0,64	0,74



Item No.			85121	85122*			
EAN-No.			4001425851211	4001425851228			
	a		115	113			
	b		65	65			
	s		8	8			
Weight/pc.	kg		0,3	0,395			



Classic 9

Sliding Door Systems, C-Profile

HBS-Guide U-Tracks

for sliding doors and gates

Material:

sendzimir (hot-dip) galvanized

Features:

standard length 6m, 3m and 2m



HBS-Guide Rollers

to screw-on

Material:

galvanized steel; rollers of plastic* or brass

Features:

friction bearing



HBS-Guide Rollers

to screw-on

Material:

axle and nuts of steel,
rollers of polyamide

Features:

friction bearing



HBS-Guide Rollers

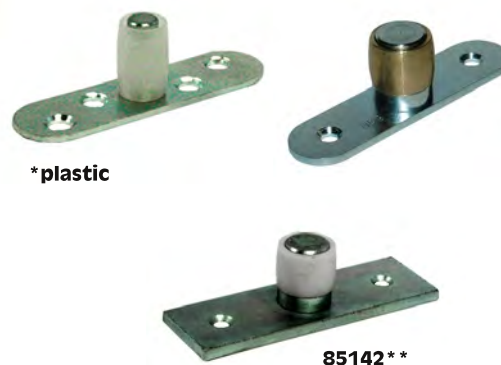
on screw-on plate

Material:

screw-on plate of galvanized steel, rollers of
plastic* or brass

Features:

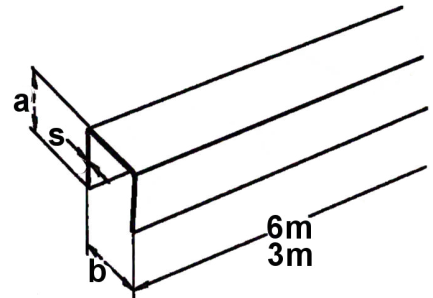
friction bearing



Follow your Track

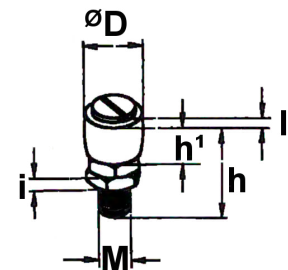


Guide Track		82110	82112	82114	
Item No.	6m	82110	82112	82114	
	3m	82008	82140		
EAN-No.	6m	4001425821108	4001425821122	4001425821145	
	3m	4001425820083	4001425821405		
	a	25	30	50	
	b	17	30	60	
	s	1,25	1,5	3	
Weight	kg/m	0,65	0,96	3,53	

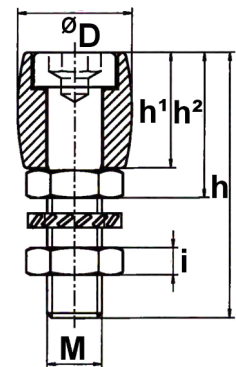


Item No.		85132*	85133		
EAN-No.		4001425851327	4001425851334		
	ØD	13,5	24		
	h	64	48		
	h¹	20	18		
	i	5	7		
	l	3	2		
thread	M	M 6	M 14		
Weight/pc.	kg	0,01	0,12		

*plastic

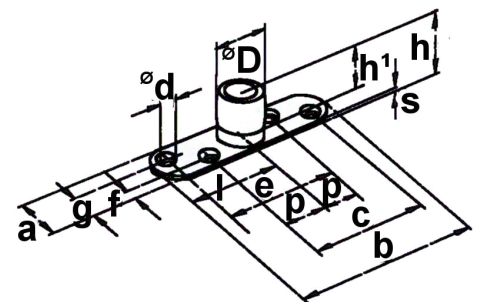


Item No.			85139		
EAN-No.			4001425851396		
	ØD		25		
	h		57,5		
	h¹		25		
	h²		31,5		
	i		6		
thread	M		M 12		
Weight/pc.	kg		0,10		



Item No.		81171*	85134	85136	85130*	
EAN-No.		4001425811710	4001425851341	4001425851365	4001425851303	
Special Design				85142**		
EAN-No.				4001425851426		
	ØD	13	24	24	50	
	a	20	25	35	50	
	b	74	100	110	100	
	c	40	70	76	76	
	Ød	6	6	6	10,5	
	e	40	-	-	-	
	f	5,5	12,5	17,5	25	
	g	12,5	18	-	26	
	h	23	28,5	31	48	
	h¹	-	18	18	26	
	l	37	50	55	50	
	p	13	-	-	-	
	s	2	3	5	5	
Weight/pc.	kg	0,02	12	0,23	0,35	

*plastic



Classic 9 - Annex Guide Rollers

Sliding Door Systems, C-Profile

HBS-Guide Rollers

to cement in

Material:

bracket of galvanized steel, roller of brass

Features:

friction bearing



HBS-Slides

for guide track

Material:

plastic, natural-colored

Features:

friction bearing



HBS-Plastic Guide Rollers

to screw on

Material:

roller of polyamide, axle and nuts
of galvanized steel

Features:

friction bearing



HBS-Plastic Guide Rollers

to screw on

Material:

roller of polyamide, axle and nuts
of galvanized steel

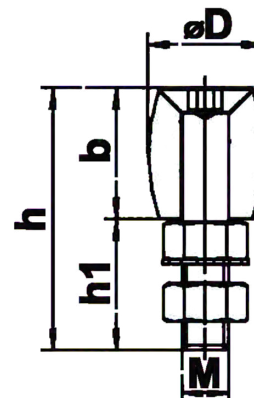
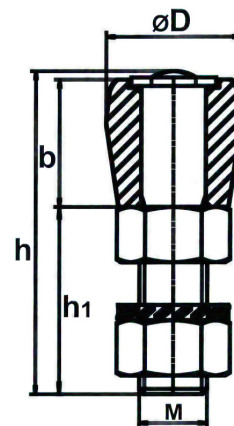
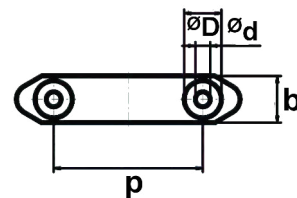
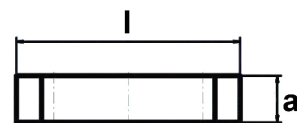
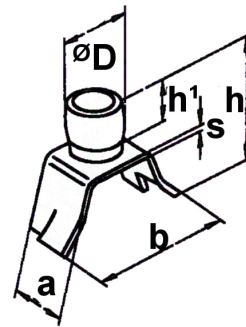
Features:

friction bearing



small medium big

Guide Track		82110	82112	82114
Item No.			85135	
EAN-No.			4001425851358	
	øD		24	
	a		30	
	b		73	
	h		60	
	h ¹		18	
	s		3	
Weight/pc.	kg		0,15	
Item No.			85540	
EAN-No.			4001425855400	
	øD		20	
	a		25	
	b		25	
	l		120	
	p		80	
	ød		8	
Weight/pc.	kg		0,045	
max. loading per piece in kg		80		
Item No.		85150		
EAN-No.		4001425851501		
	øD	32		
	b	30		
	h	76		
	h ¹	45		
thread	M	M 16		
Weight/pc.	kg	0,18		
max. loading per piece in kg		40		
Item No.		85143		
EAN-No.		4001425851433		
	øD	20		
	b	23		
	h	45		
	h ¹	22		
thread	M	M 8		
Weight/pc.	kg	0,03		



Classic 9 - Annex Guide Rollers

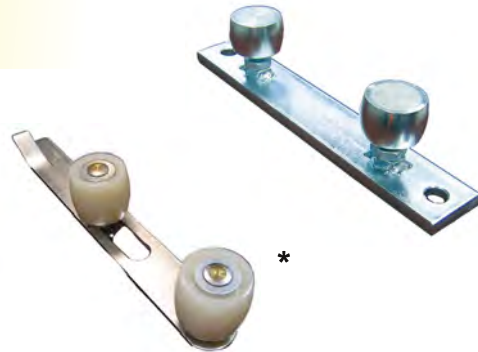
Sliding Door Systems, C-Profile

HBS-Double Guide Rollers

to screw on or to cement in

Material:

screw-on plate or wall anchor and roller with ball bearing of galvanized steel or roller of polyamide with friction bearing *



HBS-Double Guide Rollers

to screw on

Material:

galvanized steel

Features:

with ball bearing



HBS-Plastic Guide Rollers

to screw on

Material:

Rollers of polyamide, axle and nuts of galvanized steel

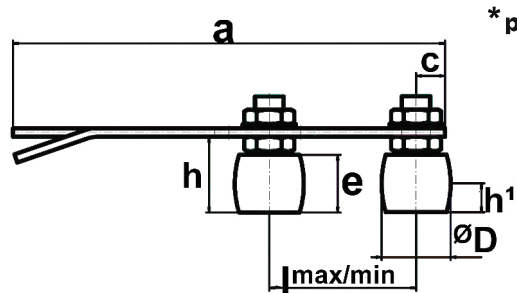
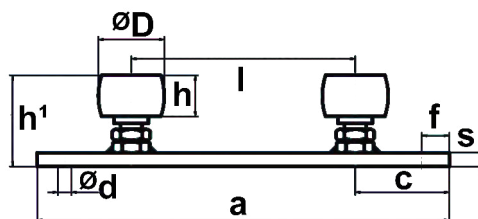
Features:

friction bearing



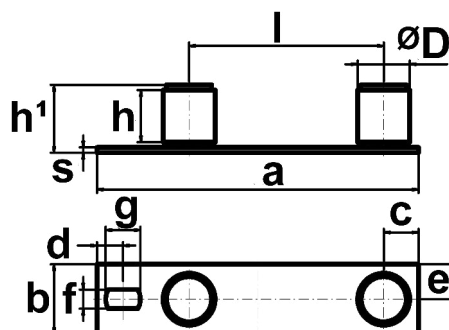


Guide Track			
Item No.		65022	85137*
EAN-No.		4001425650227	4001425851372
	ØD	48	48
	a	300	300
	c	68,5	22,5
	Ød	16	-
	e	-	40
	f	20	-
	h	30	50
	h¹	66	20
	l	163	-
	l _{min}	-	33
	l _{max}	-	81
	s	10	-
Weight/pc.	kg	2	1,1

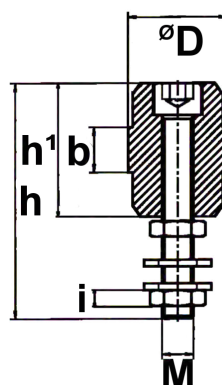


* plastic rollers

Item No.		75019	
EAN-No.		4001425750194	
	ØD	30	
	a	185	
	b	40	
	c	20	
	d	15	
	e	20	
	f	11	
	g	20	
	h	33	
	h¹	40	
	l	112	
	s	3	
Weight/pc.	kg	0,42	



Item No.		62039	
EAN-No.		4001425620398	
	ØD	44	
	b	20	
	h	104	
	h¹	59	
	i	7	
thread	M	M 14	
Weight/pc.	kg	0,28	



Classic 9 - Annex Guide Rollers

Sliding Door Systems, C-Profile

HBS-Plastic Guide Rollers

to screw on

Material:

roller of polyamide, axle and nuts of galvanized steel or stainless steel*

Features:

friction bearing or ball bearing*



HBS-Steel Guide Rollers

to screw on

Material:

galvanized steel or stainless steel*

Features:

with ball bearing, water-protected



HBS-Double Guide Rollers

adjustable, with side fixing bracket

Material:

side fixing bracket of galvanized steel and guide rollers with friction bearing of polyamide

Features:

The distance of the rollers is adjustable.



For more Guide Rollers have a look at Catalogue Programme:

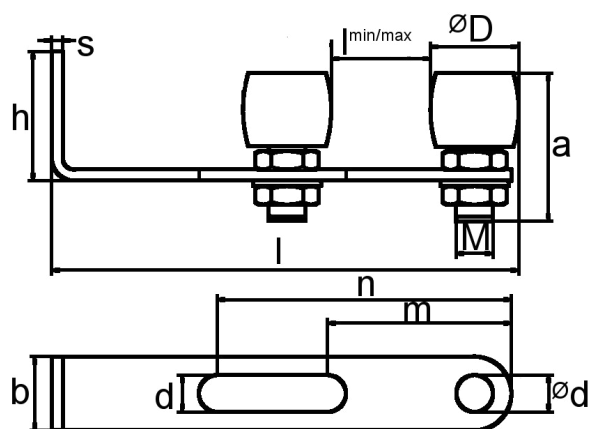
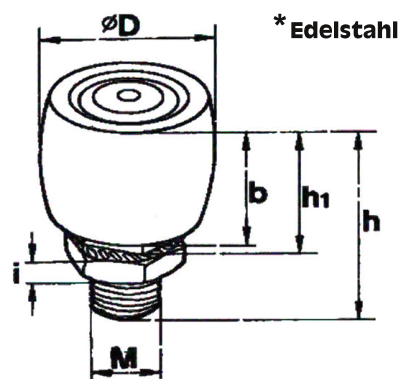
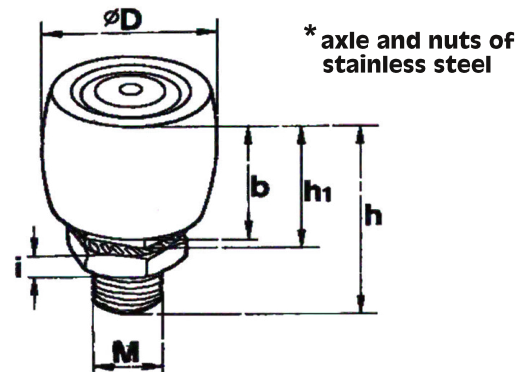
"Guides for Doors and Gates" from page 236

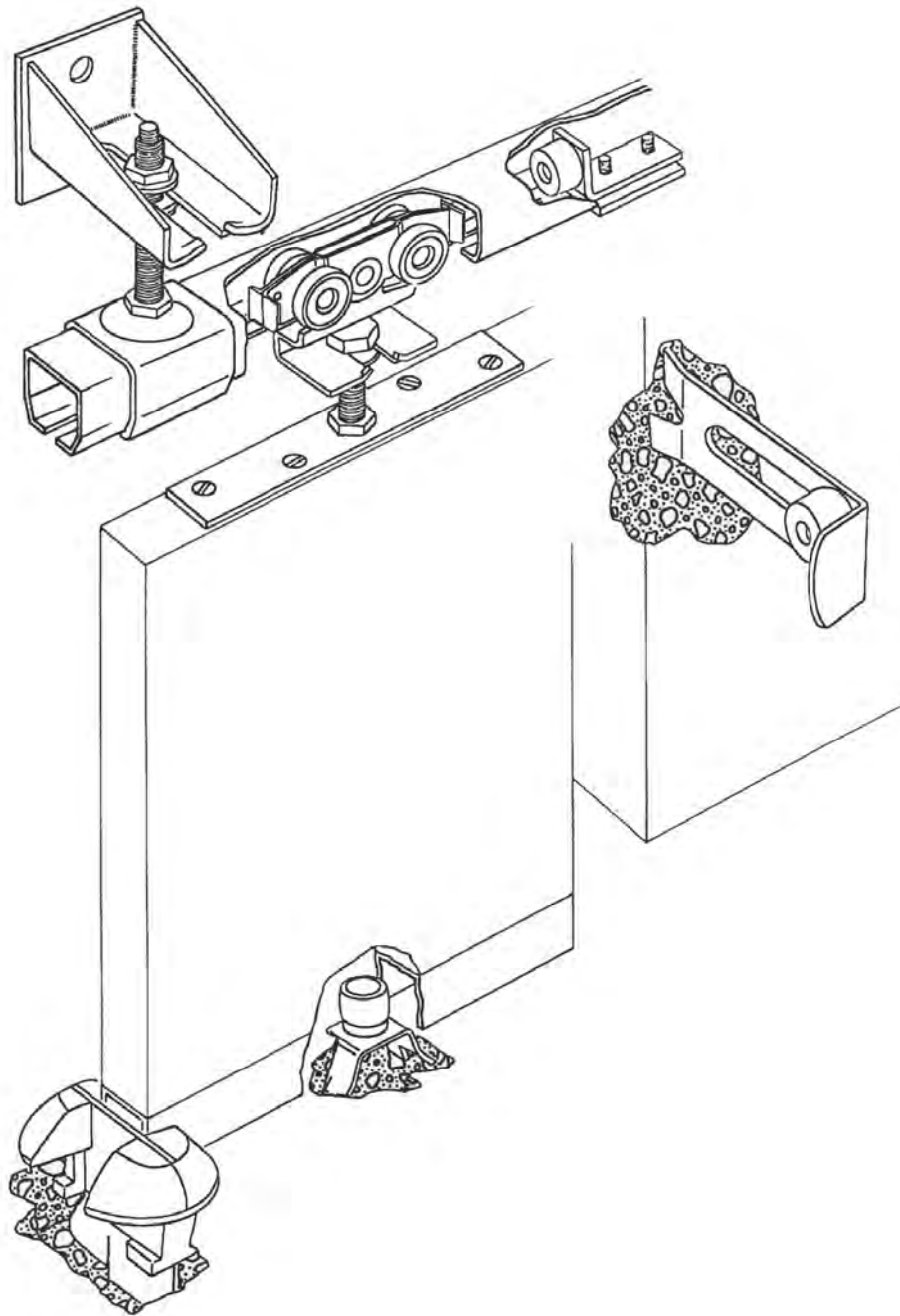
without track without track without track without track

Guide Track					
max. loading per piece in kg		150	400		
Item No.		62044	62089*		
EAN-No.		4001425620442	4001425620893		
	ØD	48	75		
	b	40,5	50		
	h	79,5	96		
	h ¹	51,5	-		
	i	10	10		
thread	M	M 20	M 20		
Weight/pc.	kg	0,31	0,31		

max. loading per piece in kg		200	200	750	2000
Item No.		62045	62038*	62046	62097**
EAN-No.		4001425620459	4001425620381	4001425620466	4001425620978
	ØD	48	48	100	115
	b	30	30	40	60
	h	65	65	90	130
	h ¹	35	35	50	62
	i	8	8	12	21
thread	M	M 16	M 16	M 24	M 42
Weight/pc.	kg	0,45	0,45	2,47	7,5

Item No.		85157			
EAN-No.		4001425851570			
	a	80,5			
	b	40			
	d	20			
	Ød	20			
	h	70			
	l	254			
	l _{min}	32			
	l _{max}	90			
	m	100			
	n	160			
	s	6			
	ØD	48			
thread	M	M20			
Weight/pc.	kg	1,1			





Classic 9 Stainless Steel 1.4301

Sliding Door Systems, C-Profile

Table of Contents

Classic 9 1.4301 - Sliding Door Systems, C-Profile

Track, Bends, Joint Brackets	pp. 032-033
Hangers, Screw-on Plates, Track Stoppers	pp. 034-035
Fixing Brackets, Side Fixing Brackets	pp. 036-039
U-Tracks and Guide Rollers	pp. 38a-39a

Classic 9 1.4301 (V2A)

Sliding Door Systems, C-Profile



HBS-Stainless Steel Track

Material:

stainless steel 1.4301 (V2A)

Features:

standard length 6m, 3m, 2m



HBS-Stainless Steel Bends

Material:

stainless steel 1.4301 (V2A)

90° with straight ends on both sides



HBS-Stainless Steel Joint Brackets

to joint to tracks together

Material:

stainless steel 1.4301 (V2A)

Features:

fast fixing because of screwing

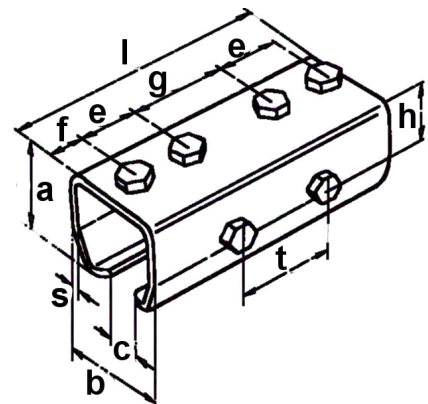
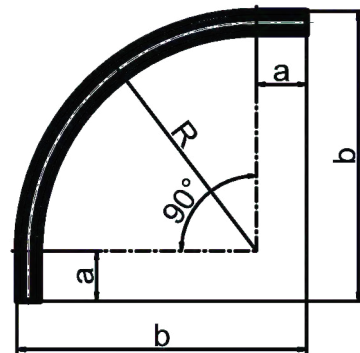
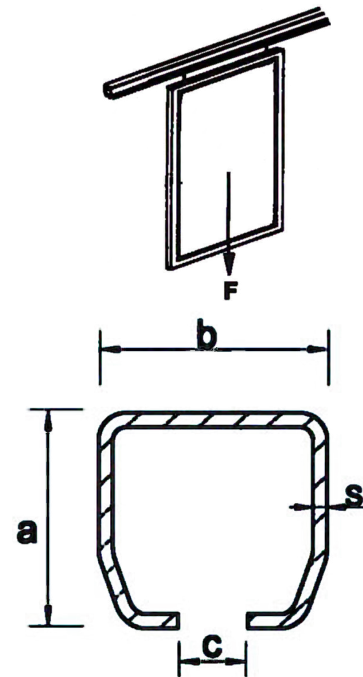


Follow your Track

		10	30	40	50
Track		85530	85508	85517	85590
F = max. door weight in kg		80	180	400	600
Item No.	2m	82192	82143	82145	85597
	3m	82193	82144	82146	85596
	6m	85530	85508	85517	85590
EAN-No.	2m	4001425821924	4001425821436	4001425821450	4001425855974
	3m	4001425821931	4001425821443	4001425821467	4001425855967
	6m	4001425855301	4001425855081	4001425855172	4001425855905
	a	28	35	43,5	60
	b	30	40	48,5	65
	c	8	10	15	18
	s	1,8	2,8	3,2	4
weight	kg/m	1,27	2,51	3,45	5,39

Item No.		85513	85511	85515	
EAN-No.		4001425855134	4001425855110	4001425855158	
	R	500	600	600	
	a	330	350	400	
	b	845	970	1025	
weight/pc.	kg	1,84	4	5,9	

Item No.		85535	85504	85524	85499
EAN-No.		4001425855356	4001425855042	4001425855240	4001425854991
	a	35	45	55	75
	b	37,5	50	60	80
	c	10	16,5	19	25
	e	15	25	28	50
	f	12	12	24	18
	g	24	41	40	45
	h	12	19,5	19	32
	l	80	115	145	180
	s	3	4	4	6
	t	24	41	50	45
weight/pc.	kg	0,23	0,58	0,82	2,04



Classic 9 1.4301 (V2A)

Sliding Door Systems, C-Profile

HBS-Stainless Steel Hangers

four rollers

Material:

bracket, fixing screw, rollers and ball bearing of stainless steel 1.4301 (V2A)

Features:

The four rollers are ball bearing mounted. Because of the fixing bolt remounting and unmounting is as easy as horizontal and vertical adjusting.

Following hanger is also available in Type 10, 30 and 40 of stainless steel 1.4301 (V2A)
For further information: see page 98.



HBS-Stainless Steel Screw-on plates

for hanger fixing

Material:

stainless steel 1.4301 (V2A)

Features:

The screw-on plate has got a thread for the fixing bolt and is affixed to solid wood frontally.



HBS-Stainless Steel Track Stoppers

to fix in the track

Material:

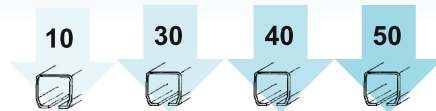
stainless steel 1.4301 (V2A); rubber buffer

Features:

The track stopper serves to limit the slide way of the hangers and to prevent that the hangers can slide off the track.



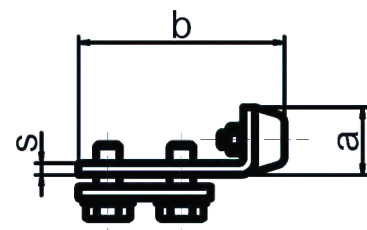
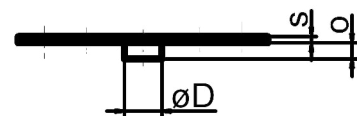
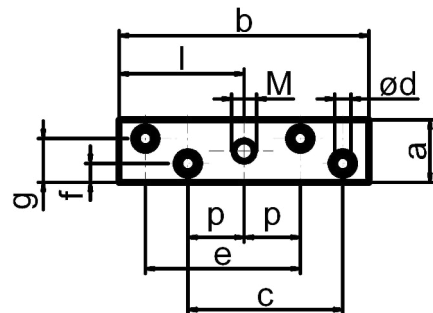
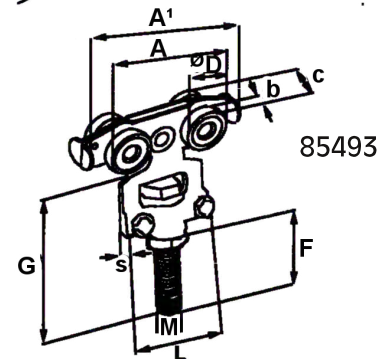
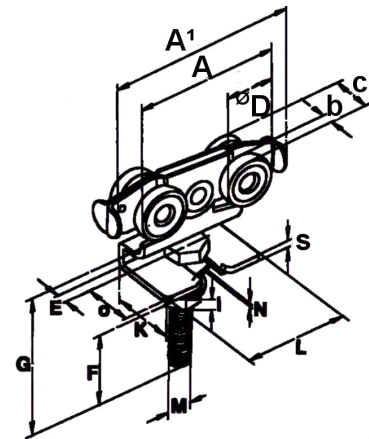
Follow your Track



Track	85530	85508	85517	85590
max. loading per piece in kg	40	90	200	300
Item No.	85537	85505	85526	85493
EAN-No.	4001425855370	4001425855059	4001425855264	4001425854939
ØD	23	28	34	48
b	7	8	10	15
c	20	25	32	44
i	8	6	7	-
o	16	25	35	-
s	3	4	5	6
A	77	84	127,5	143
A'	87,5	91	138	156
E	12	16	17	-
F	50	63	62	52
G	78	95	109	112
K	30	39	54	-
L	50	60	80	78
N	1,5	2,5	2,5	-
thread	M	M 10	M 12	M 14
weight/pc.	kg	0,25	0,43	0,9

Item No.	85538	85501	85520	85498
EAN-No.	4001425855387	4001425855011	4001425855202	4001425854984
a	25	30	35	40
b	100	170	210	265
c	62	105	129	155
Ød	6,4	7	8,5	10,5
e	62	105	129	155
f	7,5	12	14	20
g	17,5	17	20	20
l	50	85	105	132,5
p	22,5	36	43	43
s	3	4	10	12
o	4	5	-	-
ØD	12	18	-	-
thread	M	M 10	M 12	M 14
weight/pc.	kg	0,06	0,15	0,72

Item No.	85507	85525	85497
EAN-No.	4001425855073	4001425855257	4001425854977
a	20	30	46
b	61	69	121
s	4	5	8
weight/pc.	kg	0,12	0,21



Classic 9 1.4301 (V2A)

Sliding Door Systems, C-Profile

HBS-Stainless Steel Welding-on Brackets

for track fixing on steel constructions

Material:

stainless steel 1.4301 (V2A)

Features:

The distance between two brackets has to be max. 750mm.



HBS-Stainless Steel Ceiling Brackets

for track fixing at the ceiling

Material:

stainless steel 1.4301 (V2A)

Features:

The distance between two brackets has to be max. 750mm.



HBS-Stainless Steel Wall Fixing Brackets

for track fixing at walls

Material:

stainless steel 1.4301 (V2A)

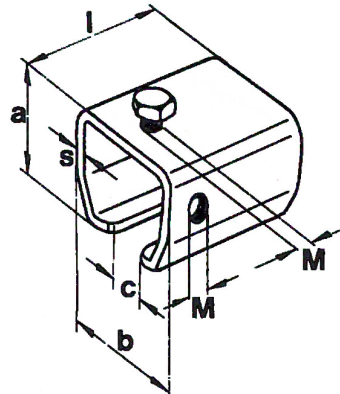
Features:

The distance between two brackets has to be max. 750mm.

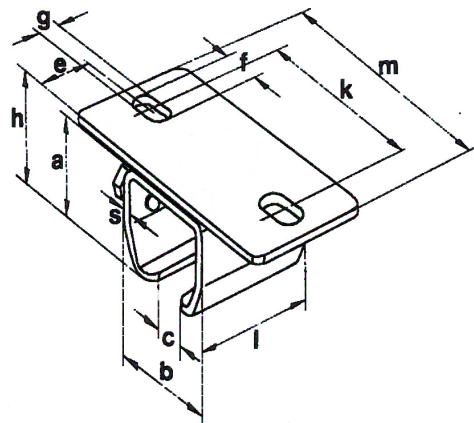


Follow your Track

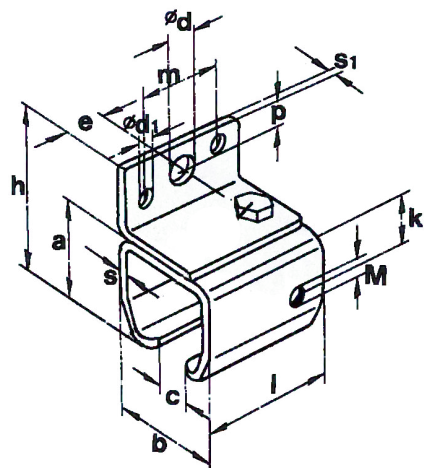
		10	30	40	50
Track		85530	85508	85517	85590
Item No.		85527	85506	85521	85496
EAN-No.		4001425855271	4001425855066	4001425855219	4001425854960
	a	35	45	55	77
	b	37,5	50	60	82
	c	11	15	20	25
	l	40	55	66	90
	s	3	4	4	6
thread	M	M 6	M 8	M 8	M 8
weight/pc.	kg	0,1	0,23	0,39	0,97



Item No.		85533	85503	85522	
EAN-No.		4001425855332	4001425855035	4001425855226	
	a	35	45	55	
	b	37,5	50	60	
	c	11	16,5	20	
	e	20	27	32,5	
	f	17	19	21	
	g	9	11	13	
	h	38	48	58	
	k	70	80	93	
	l	40	54	65	
	m	100	115	130	
	s	3	4	4	
weight/pc.	kg	0,19	0,41	0,75	



Item No.		85534	85502	85523	
EAN-No.		4001425855349	4001425855028	4001425855233	
	a	35	45	55	
	b	37,5	50	60	
	c	11	16,5	20	
	ød	10	12	12	
	ød1	5	6,5	8	
	e	20	27	32	
	h	60	74	95	
	k	15	20	20	
	l	40	55	65	
	m	25	33	44,5	
	p	11	12	16,5	
	s	3	4	4	
	s1	3	4	4	
thread	M	M 6	M 8	M 8	
weight/pc.	kg	0,23	0,58	0,82	



Classic 9 1.4301 (V2A)

Sliding Door Systems, C-Profile

HBS-Adjustable Stainless Steel Brackets

for track fixing

Material:

stainless steel 1.4301 (V2A)

Features:

The track can be adjusted in height by the mandrel. The distance between two brackets has to be max. 750 mm.



HBS-Stainless Steel Side Fixing Brackets

for one adjustable stainless steel bracket

Material:

stainless steel 1.4301 (V2A)

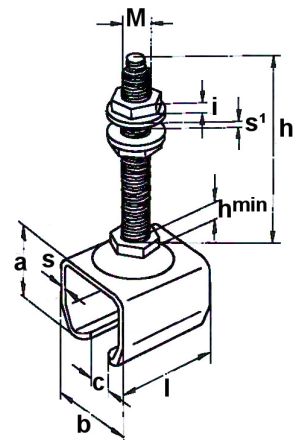
Features:

The track can be adjusted in height and to the wall by the elongated hole. The distance between two brackets has to be max. 750 mm.

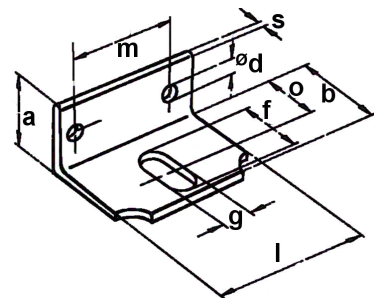


Follow your Track

		10	30	40	50
Track		85530	85508	85517	85590
Item No.		85532	85510	85519	85495
EAN-No.		4001425855325	4001425855103	4001425855196	4001425854953
	a	35	45	55	80
	b	37,5	50	60	82
	c	11	16	19	25
	h	80	95	95	120
	h _{min}	8	14	14	14
	i	8	10	10	10
	l	40	55	65	90
	s	3	4	4	6
	s ¹	2	2,5	2,5	3
thread	M	M 10	M 14	M 14	M 20
weight/pc.	kg	0,18	0,41	0,56	1,4



Item No.		85531	85509	85518	85494
EAN-No.		4001425855318	4001425855097	4001425855189	4001425854946
	a	40	43	50	84
	b	40	60	70	100
	ød	6,5	8,5	10,5	12
	f	17,5	34	34	40
	g	10,5	14	14	20,5
	l	50	80	90	100
	m	38	55,5	59,5	60
	o	26	37	43	-
	s	4	5	6	10
weight/pc.	kg	0,11	0,26	0,43	0,79



Classic 9 1.4301 (V2A)

Sliding Door Systems, C-Profile

HBS-U-Tracks

for sliding doors and gates

Material:

stainless steel 1.4301 (V2A)

Features:

standard length 6m and 3m



HBS-Plastic Guide Rollers

to screw on

Material:

rollers of plastic. axle and nuts
of stainless steel 1.4301 (V2A)

Features:

friction bearing



HBS-Slides

for U-Track

Material:

plastic, ecru

Features:

friction bearing



HBS-Stainless Steel Guide Rollers

to screw on

Material:

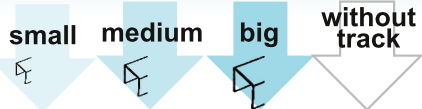
roller, axle and nuts of
stainless steel 1.4301 (V2A)

Features:

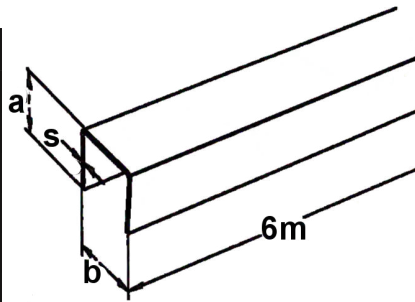
with stainless steel ball bearings



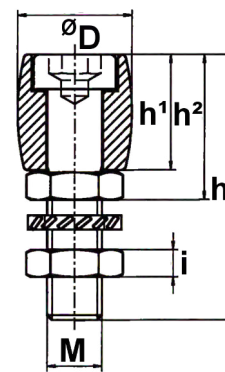
Follow your Track



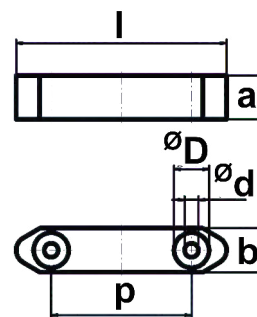
U-Track			85539		
Item No.	6m		85539		
	3m		85582		
EAN-No.	6m		4001425855394		
	3m		4001425855820		
	a		30		
	b		30		
	s		1,5		
weight	kg/m		0,96		



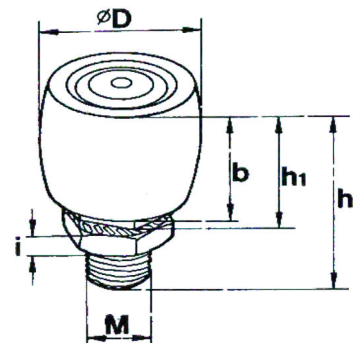
Item No.			85528		
EAN-No.			4001425855288		
	$\varnothing D$		25		
	h		57,5		
	h^1		25		
	h^2		31,5		
	i		6		
thread	M		M 12		
weight/pc.	kg		0,96		

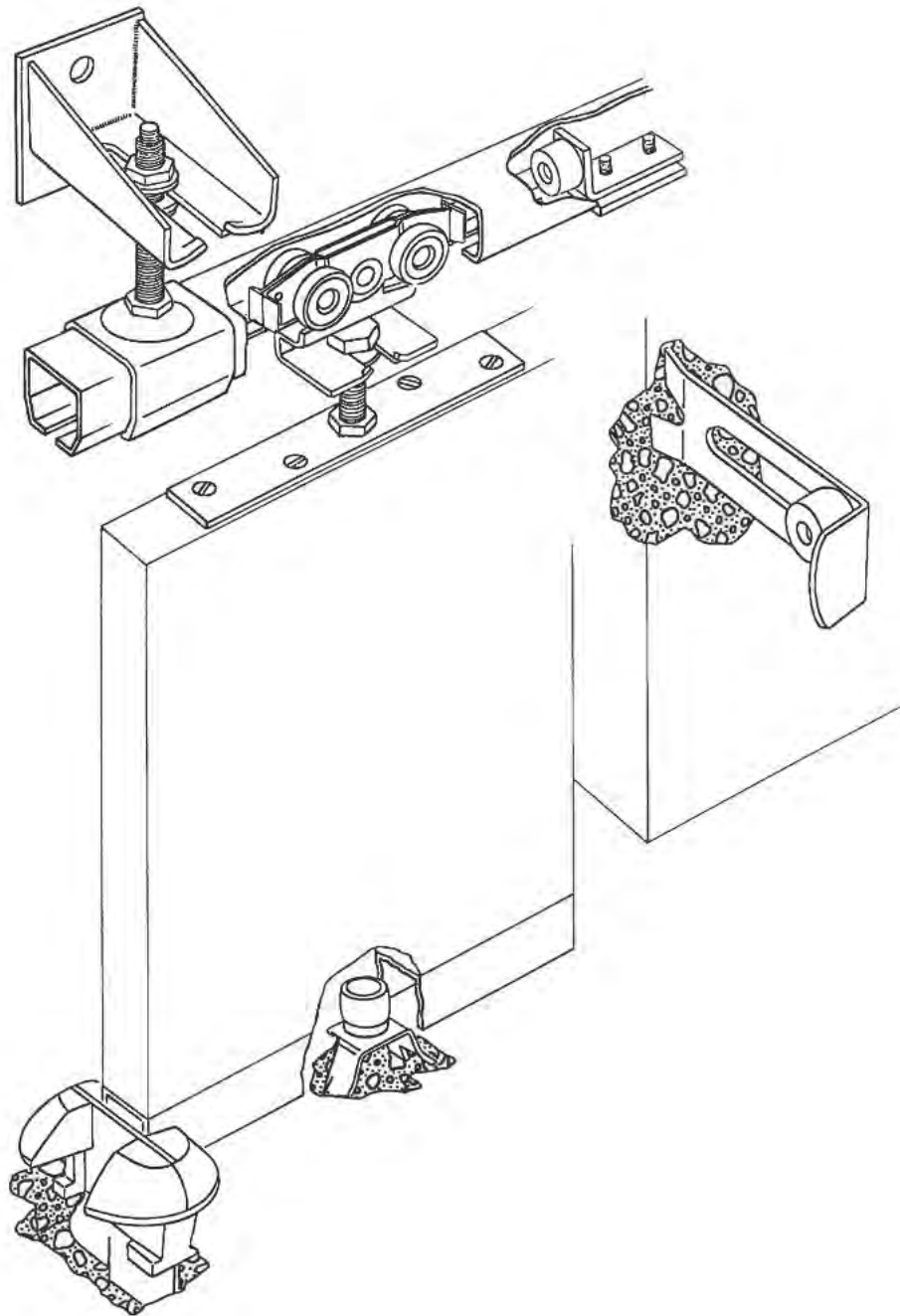


Item No.			85540		
EAN-No.			4001425855400		
	$\varnothing D$		20		
	a		25		
	b		25		
	$\varnothing d$		8		
	l		120		
	p		80		
weight/pc.	kg		0,045		



Item No.					62038
EAN-No.					4001425620381
	$\varnothing D$				48
	b				30
	h				65
	h^1				35
	i				8
thread	M				M 16
weight/pc.	kg				0,44





Classic 9 Stainless Steel 1.4404

Sliding Door Systems, C-Profile

Table of Contents

Classic 9 1.4404 - Sliding Door Systems, C-Profile

Tracks, Bends, Joint Brackets	pp. 042-043
Hangers, Screw-on Plates, Track Stoppers	pp. 044-045
Fixing Brackets, Side Fixing Brackets	pp. 046-049
U-Tracks and Guide Rollers	pp. 048-049

Classic 9 1.4404 (V4A)

Sliding Door Systems, C-Profile



HBS-Stainless Steel Tracks

Material:

stainless steel 1.4404 (V4A)

Features:

standard length 6 m, 3 m, 2 m



HBS-Stainless Steel Bends

Material:

stainless steel 1.4404 (V4A)

90° with straight ends on both sides



HBS-Stainless Steel Joint Brackets

to joint to tracks together

Material:

stainless steel 1.4404 (V4A)

Features:

fast fixing because of screwing

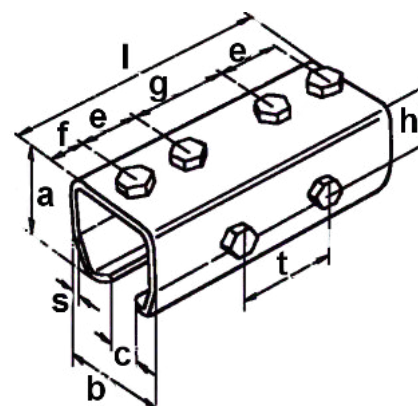
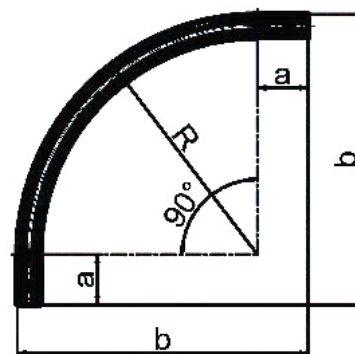
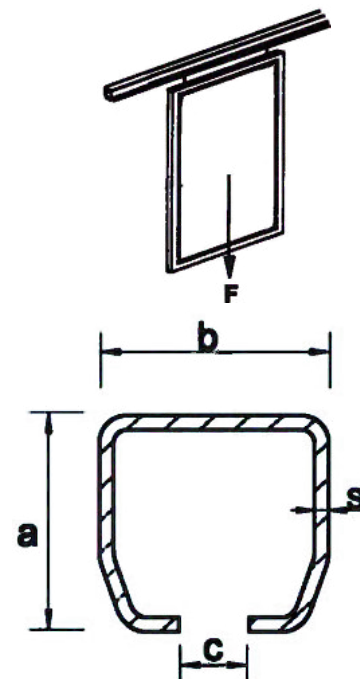


Follow your Track

		10	30	40
Track		85541	85551	85563
F = max. door weight in kg		80	180	400
Item No.	2m	85575	85577	85579
	3m	85576	85578	85580
	6m	85541	85551	85563
EAN-No.	2m	4001425855752	4001425855776	4001425855790
	3m	4001425855769	4001425855783	4001425855806
	6m	4001425855417	4001425855516	4001425855639
	a	28	35	43,5
	b	30	40	48,5
	c	9	12	15
	s	1,8	2,8	3,2
weight	kg/m	1,27	2,51	3,45

Item No.		85514	85512	85516
EAN-No.		4001425855141	4001425855127	4001425855165
	R	500	600	600
	a	330	350	400
	b	845	970	1025
weight/pc.	kg	1,84	4	5,9

Item No.		85546	85557	85569
EAN-No.		4001425855462	4001425855578	4001425855691
	a	35	45	55
	b	37,5	50	60
	c	10	16,5	19
	e	15	25	28
	f	12	12	24
	g	24	41	40
	h	12	19,5	19
	l	80	115	145
	s	3	4	4
	t	24	41	50
weight/pc.	kg	0,23	0,58	0,82



Classic 9 1.4404 (V4A)

Sliding Door Systems, C-Profile

HBS-Stainless Steel Hangers

four rollers

Material:

bracket, fixing screw, rollers and ball bearing of stainless steel 1.4404 (V4A)

Features:

The four rollers are ball bearing mounted. Because of the fixing bolt remounting and unmounting is as easy as horizontal and vertical adjusting.

Following hanger is also available in Type 10,30 and 40 of stainless steel 1.4404 (V4A).

For further information: see page 98.



HBS-Stainless Steel Screw-on plates

for hanger fixing

Material:

stainless steel 1.4404 (V4A)

Features:

The screw-on plate has got a thread for the fixing bolt and is affixed to solid wood frontally.



85538



HBS-Stainless Steel Track Stoppers

to fix in the track

Material:

stainless steel 1.4404 (V4A); rubber buffer

Features:

The track stopper serves to limit the slide way of the hangers and to prevent that the hangers can slide off the track.



Follow your Track

10

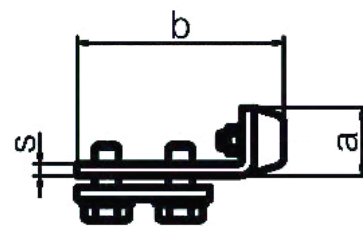
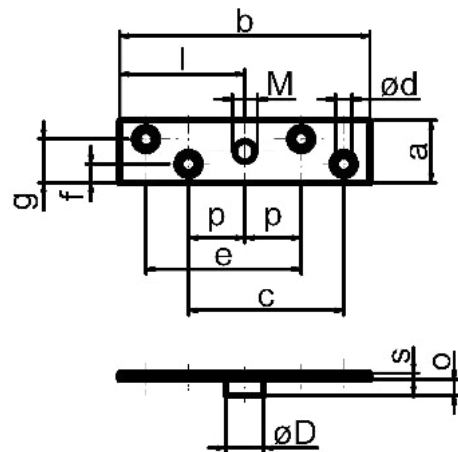
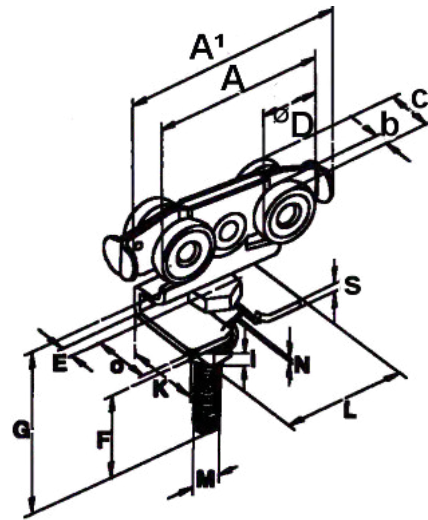
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Track		85541	85551	85563
max. loading per piece in kg		40	90	200
Item No.		85548	85560	85571
EAN-No.		4001425855486	4001425855608	4001425855714
	ØD	23	28	34
	b	7	8	10
	c	20	25	32
	i	8	6	7
	o	16	25	35
	s	3	4	5
	A	77	84	127,5
	A'	87,5	91	138
	E	12	16	17
	F	50	63	62
	G	78	95	109
	K	30	39	54
	L	50	60	80
	N	1,5	2,5	2,5
thread	M	M 10	M 12	M 14
weight/pc.	kg	0,25	0,43	0,9

Item No.		85549	85561	85572
EAN-No.		4001425855493	4001425855615	4001425855721
	a	25	30	35
	b	100	170	210
	c	62	105	129
	Ød	6,4	7	8,5
	e	62	105	129
	f	7,5	12	14
	g	17,5	17	20
	l	50	85	105
	p	22,5	36	43
	s	3	4	6
	o	4	5	-
	ØD	12	18	-
thread	M	M 10	M 12	M 14
weight/pc.	kg	0,06	0,15	0,59

Item No.		85558	85570
EAN-No.		4001425855585	4001425855707
	a	20	30
	b	61	69
	s	4	5
weight/pc.	kg	0,12	0,21



Classic 9 1.4404 (V4A)

Sliding Door Systems, C-Profile

HBS-Stainless Steel Welding-on Brackets

for track fixing on steel constructions

Material:

stainless steel 1.4404 (V4A)

Features:

The distance between two brackets has to be max. 750 mm.



HBS-Stainless Steel Ceiling Brackets

for track fixing at the ceiling

Material:

stainless steel 1.4404 (V4A)

Features:

The distance between two brackets has to be max. 750 mm.



HBS-Stainless Steel Wall Fixing Brackets

for track fixing at walls

Material:

stainless steel 1.4404 (V4A)

Features:

The distance between two brackets has to be max. 750 mm.



Follow your Track

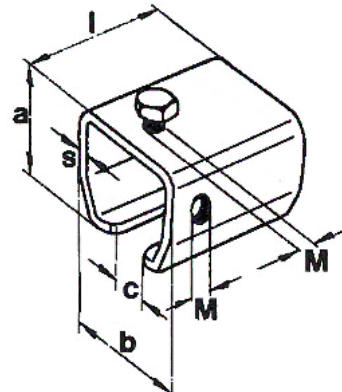
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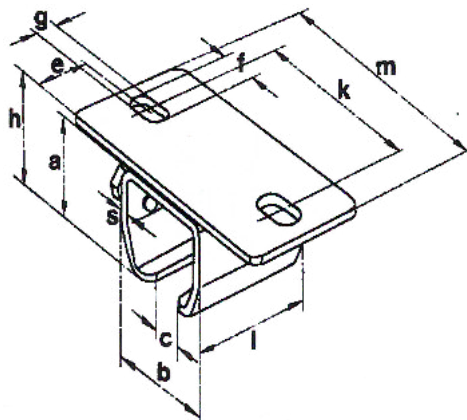
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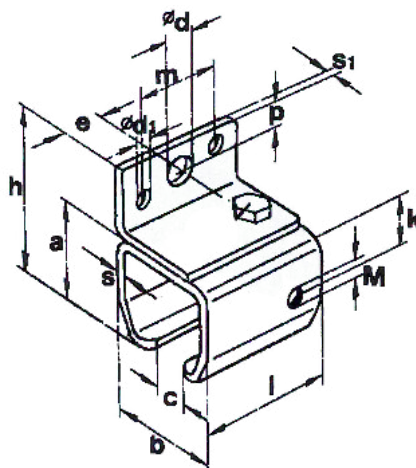
Track		85541	85551	85563
Item No.		85574	85554	85566
EAN-No.		4001425855745	4001425855547	4001425855660
	a	35	45	55
	b	37,5	50	60
	c	11	15	20
	l	40	55	66
	s	3	4	4
thread	M	M 6	M 8	M 8
weight/pc.	kg	0,1	0,23	0,39



Item No.		85544	85555	85567
EAN-No.		4001425855448	4001425855554	4001425855677
	a	35	45	55
	b	37,5	50	60
	c	11	16,5	20
	e	20	27	32,5
	f	17	19	21
	g	9	11	13
	h	38	48	58
	k	70	80	93
	l	40	54	65
	m	100	115	130
	s	3	4	4
weight/pc.	kg	0,19	0,41	0,75



Item No.		85545	85556	85568
EAN-No.		4001425855455	4001425855561	4001425855684
	a	35	45	55
	b	37,5	50	60
	c	11	16,5	20
	ød	10	12	12
	ød1	5	6,5	8
	e	20	27	32
	h	60	74	95
	k	15	20	20
	l	40	55	65
	m	25	33	44,5
	p	11	12	16,5
	s	3	4	4
	s1	3	4	4
thread	M	M 6	M 8	M 8
weight/pc.	kg	0,23	0,58	0,82



Classic 9 1.4404 (V4A)

Sliding Door Systems, C-Profile

HBS-Adjustable Stainless Steel Brackets

for track fixing

Material:

stainless steel 1.4404 (V4A)

Features:

The track can be adjusted in height by the mandrel. The distance between two brackets has to be max. 750 mm.



HBS-Stainless Steel Side Fixing Brackets

for one adjustable stainless steel bracket

Material:

stainless steel 1.4404 (V4A)

Features:

The track can be adjusted in height and to the wall by the elongated hole. The distance between two brackets has to be max. 750 mm.



HBS-U-Tracks

for sliding doors and gates

Material:

stainless steel 1.4404 (V4A)

Features:

standard length 6 m and 3 m



HBS-Plastic Guide Rollers /Slides *

to screw on / fo U-Track

Material:

rollers of plastic, axle and nuts
of stainless steel 1.4404 (V4A), slides* of plastic, ecru

Features:

friction bearing



Follow your Track

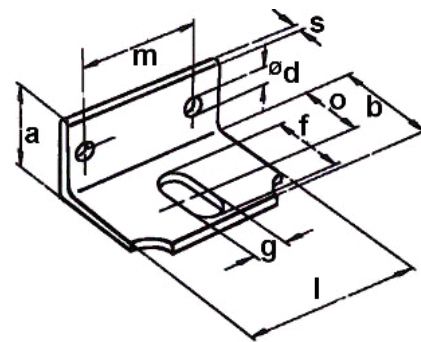
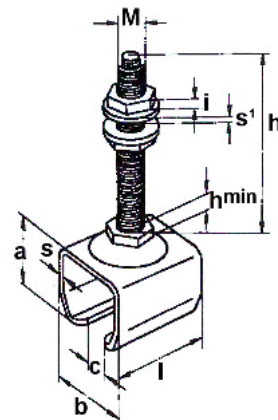
10

30

40

Track		85541	85551	85563
Item No.		85543	85553	85565
EAN-No.		4001425855431	4001425855553	4001425855653
	a	35	45	55
	b	37,5	50	60
	c	11	16	19
	h	80	95	95
	h _{min}	8	14	14
	i	8	10	10
	l	40	55	65
	s	3	4	4
	s ¹	2	2,5	2,5
thread	M	M 10	M 14	M 14
weight/pc.	kg	0,18	0,41	0,56

Item No.		85542	85552	85564
EAN-No.		4001425855424	4001425855523	4001425855646
	a	40	43	50
	b	40	60	70
	ød	6,5	8,5	10,5
	f	17,5	34	34
	g	10,5	14	14
	l	50	80	90
	m	38	55,5	59,5
	o	26	37	43
	s	4	5	6
weight/pc.	kg	0,11	0,26	0,43



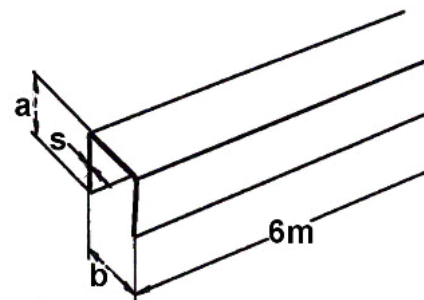
small

medium

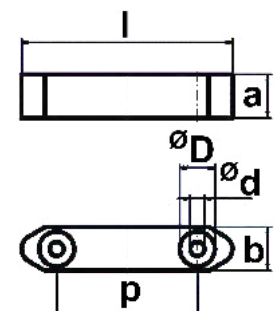
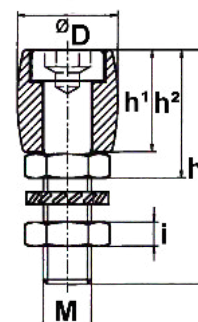
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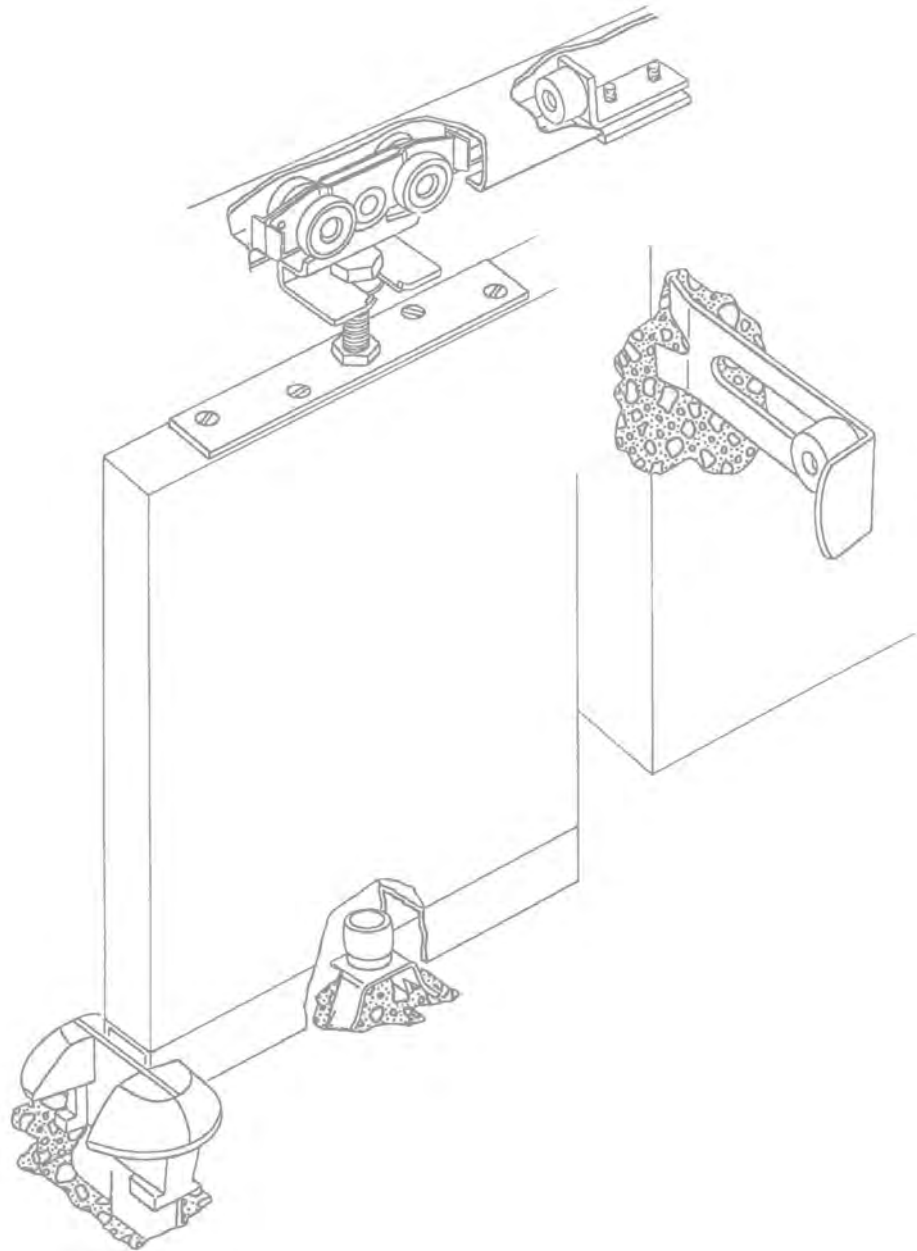
big

Guide Track			85550	
Item No.	6m		85550	
EAN-No.	6m		4001425855509	
	a		30	
	b		30	
	s		1,5	
weight	kg/m		0,96	



Item No.			85562	85540*	
EAN-No.			4001425855622	4001425855400	
	øD		25	20	
	h a		57,5	25	
	h ¹ b		25	25	
	h ² l		31,5	120	
	ilp		6	80	
thread	M ød		M 12	8	
weight/pc.	kg		0,96	0,045	





Classic 9 Aluminium

Sliding Door Systems, C-Profile

Table of Contents

Classic 9 Aluminium - Sliding Door Systems, C-Profile

Tracks, Hangers	p. 052-53a
Screw-on Plates, Track Stoppers	p. 52b-53b
Fixing Brackets	p. 054-055
U-Tracks, Guide Rollers	p. 54a-55d

Classic 9 Aluminium

Sliding Door Systems, C-Profile

HBS-Aluminium Track

Material:

Aluminium

Features:

Standard length 6m, 3m, 2m



HBS-Hangers

four rollers

Material:

bracket, fixing bolt of galvanized steel,
rollers of plastic (PA6)

Features:

The four rollers are ball bearing mounted. Because of the fixing bolt remounting and unmounting is as easy as horizontal and vertical adjusting.



HBS-Hangers

four rollers

Material:

bracket, fixing bolt of galvanized steel,
rollers of plastic (PA6)

Features:

short design

The screw is pivoted. The four rollers are ball bearing mounted. Because of the fixing bolt remounting and unmounting is easy.

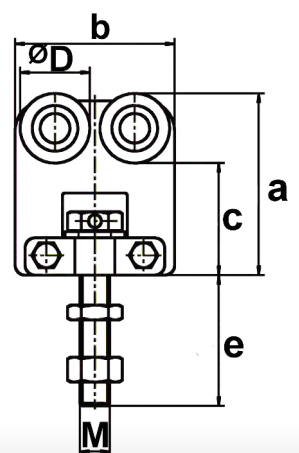
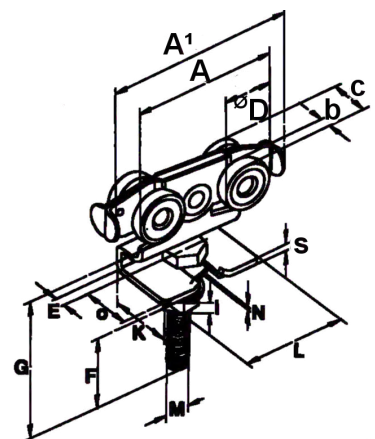
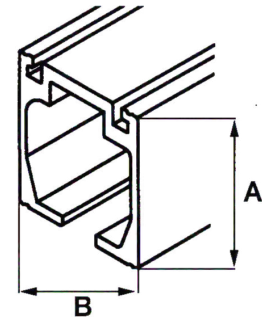
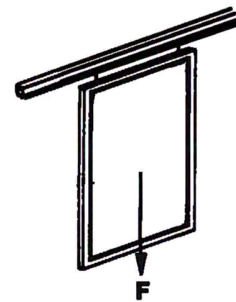


Follow your Track

		10	30	40	50	60
						
Track		82228	82156	82157	82158	82159
F = max. door weight in kg		60	120	200	400	600
Item No.	2m	82237				
	3m	82238	82244	82195		
	6m	82228	82156	82157	82158	82159
EAN-No.	2m	4001425822372				
	3m	4001425822389	4001425822440	4001425821955		
	6m	4001425822280	4001425821566	4001425821573	4001425851580	4001425821597
	A	32,5	39	51,5	72	90,5
	B	30,5	39	47,5	64	79,5
Weight	kg/m	0,77	1,14	2,02	3,24	4,34

max. loading per piece in kg		30	60	100	200	300
Item No.		85614	85615	85616	85617	85618
EAN-No.		4001425856148	4001425856155	4001425856162	4001425856179	4001425856186
	ØD	23	28	34	48	60
	b	7	8	10	14	16
	c	21	25	32	41	52
	i	8	6	11	8	9,5
	o	15	20	34	22,5	23
	s	3	4	5	8	8
	A	77	82	128	145	148
	A'	87,5	90	138	158	158
	E	14	18	20	32	32
	F	49	63	63	72	78
	G	78	95	100	122	125
	K	30	40	57	58	56
	L	50	60	80	100	100
	N	2	2,5	2,5	3	3
thread	M	M 10	M 12	M 14	M 16	M 20
Weight/pc.	kg	0,25	0,43	0,76	1,54	1,82

max. loading per piece in kg		60	100		
Item No.		85028	85029		
EAN-No.		4001425850283	4001425850290		
	a	73	84		
	b	64	75		
	c	45	50		
	e	51	50		
	ØD	28	34		
thread	M	M 12	M 14		
Weight/pc.	kg	0,4	0,7		



Classic 9 Aluminium

Sliding Door Systems, C-Profile

HBS-Hangers

four rollers

Material:

bracket, fixing bolt, base frame
of galvanized steel and rollers
of plastic (PA6)

Features:

The four rollers are ball bearing mounted.
Because of the fixing bolt remounting and
unmounting is as easy as vertical adjusting.



HBS-Hangers

four rollers

Material:

bracket and base frame of galvanized steel,
rollers of plastic

Features:

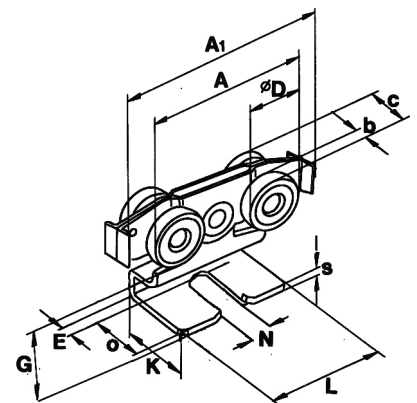
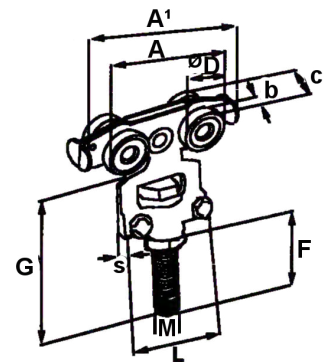
The four rollers have got a friction bearing.
The hanger is without a fixing bolt.



Follow your Track

		10	30	40	50	60
						
Track		82228	82156	82157	82158	82159
max. loading per piece in kg		30	60	100	200	300
Item No.		85619*	85620*	85621*	85622*	85623*
EAN-No.		4001425856193	4001425856209	4001425856216	4001425856223	4001425856230
	b	7	8	10	15	16
	c	20	26	32	44	51
	s	3	4	5	6	6
	A	77	84	127	143	146
	A ¹	87	90	138	156	156
	∅D	23	28	34	48	60
	F	40	51	47	52	70
	G	72	91	94	112	127
	L	48	56	65	78	78
thread	M	M 10	M 12	M 14	M 16	M 20
Weight/pc.	kg	0,25	0,44	0,84	1,68	2,32

max. loading per piece in kg			100		
Item No.			85061		
EAN-No.			4001425850610		
	b		8		
	c		30,5		
	o		34,5		
	s		4		
	A		87		
	A ¹		90,5		
	E		5,5		
	∅D		34		
	G		30		
	K		40		
	L		60		
	N		12,6		
thread	M		M 12		
Weight/pc.	kg		0,319		



Classic 9 Aluminium

Sliding Door Systems, C-Profile

HBS-Screw-on plates

for hanger fixing

Material:

galvanized steel

Features:

The screw-on plate has got a thread for the fixing bolt and is affixed to solid wood frontally.



81014



HBS-Track Stoppers

to fix in the track

Material:

galvanized steel; rubber buffer

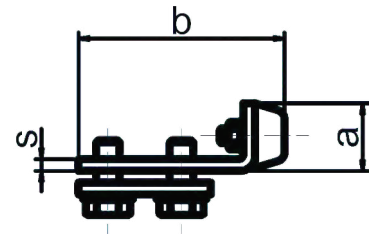
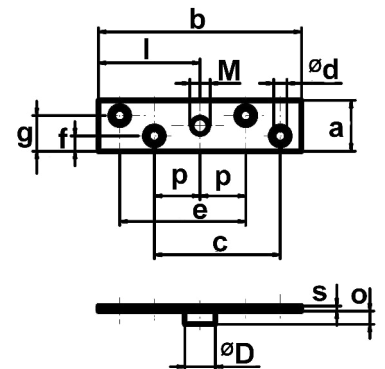
Features:

The track stopper serves to limit the slide way of the hangers and to prevent that the hangers can slide off the track.



Follow your Track

		10	30	40	50	60
Track		82228	82156	82157	82158	82159
Item No.		81014	81021	81024	81028	81029
EAN-No.		4001425810140	4001425810218	4001425810249	4001425810287	4001425810294
Special Thread M16				81033		
EAN-No.				4001425810331		
	a	25	30	35	40	45
	b	100	170	210	265	400
	c	62	105	129	155	215
	ød	6,4	7	8,5	10,5	12,5
	e	62	105	129	155	215
	f	7,5	12	14	20	22,5
	g	17,5	17	20	20	22,5
	l	50	85	105	132,5	200
	p	22,5	36	43	43	43
	s	3	4	6	12	12
	o	72	91	-	-	15,5
	øD	12	18	-	-	33,5
thread	M	M 10	M 12	M 14	M 16	M 20
Weight/pc.	kg	0,06	0,15	0,59	0,93	1,39
		85101	85104	85105	85106	
Item No.		85101	85104	85105	85106	
EAN-No.		4001425851013	4001425851044	4001425851051	4001425851068	
	a	22	30	46	60	
	b	61	69	98	82	
	s	4	5	8	8	
Weight/pc.	kg	0,12	0,21	0,64	0,74	



Classic 9 Aluminium

Sliding Door Systems, C-Profile

HBS-Aluminium Joint Brackets

for wall brackets

Material:

Aluminium

Features:

to joint two tracks



HBS-Aluminium Ceiling Brackets

Material:

Aluminium

Features:

The track is fixed close to the ceiling. The distance between two brackets has to be max. 750 mm.



HBS-Aluminium Joint Brackets

to fix the track at the ceiling

Material:

Aluminium

Features:

This bracket is used to joint two tracks.



HBS-Aluminium Side Fixing Bracket

Material:

Aluminium

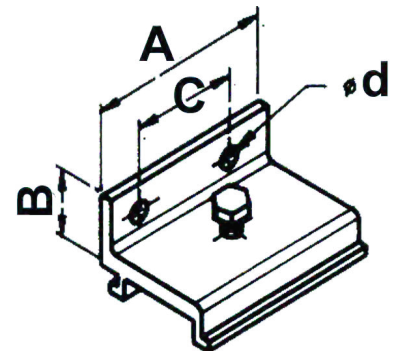
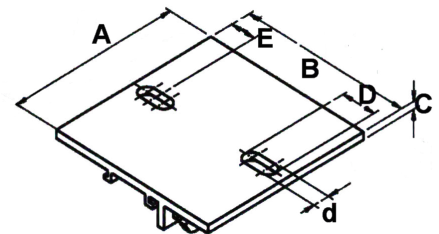
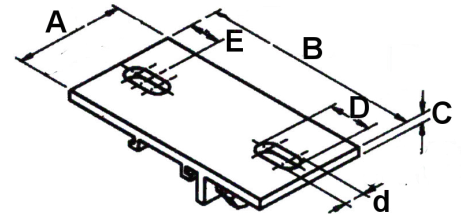
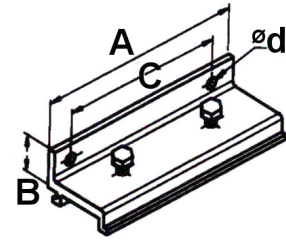
Features:

This fixing bracket is used to fix the track at the wall. The distance between two brackets has to be max. 750 mm.



Follow your Track

		10	30	40	50	60
						
Track		82228	82156	82157	82158	82159
Item No.				85605	85606	85607
EAN-No.				4001425856056	4001425856063	4001425856070
	A			130	180	220
	B			25	30	40
	C			110	160	190
	∅d			6,5	8,5	10,5
Weight/pc.	kg			0,124	0,285	0,59
Item No.				85608	85609	85610
EAN-No.				4001425856087	4001425856094	4001425856100
	A			65	90	110
	B			127	158	190
	C			6	8	10
	D			24	26	31
	E			21,5	21	25
	d			12	16	21
Weight/pc.	kg			0,59	0,438	0,627
Item No.				85611	85612	85613
EAN-No.				4001425856117	4001425856124	4001425856131
	A			130	180	220
	B			127	158	190
	C			6	8	10
	D			24	26	31
	E			21,5	21	25
	d			12	16	21
Weight/pc.	kg			0,31	0,716	0,287
Item No.				85602	85603	85604
EAN-No.				4001425856025	4001425856032	4001425856049
	A			65	90	110
	B			25	30	40
	C			45	70	80
	∅d			6,5	8	10,5
Weight/pc.	kg			0,06	0,14	0,3



Classic 9 Aluminium

Sliding Door Systems, C-Profile

HBS-Guide U-Tracks

for sliding doors and gates

Material:

sendzimir (hot-dip) galvanized

Features:

standard length 6m, 3m and 2m



HBS-Guide Rollers

to screw-on

Material:

galvanized steel; rollers of plastic* or brass

Features:

friction bearing



*Plastic

HBS-Guide Rollers

to screw-on

Material:

axle and nuts of steel,
rollers of polyamide

Features:

friction bearing



HBS-Guide Rollers

on screw-on plate

Material:

screw-on plate of galvanized steel, rollers of
plastic* or brass

Features:

friction bearing



*Plastic

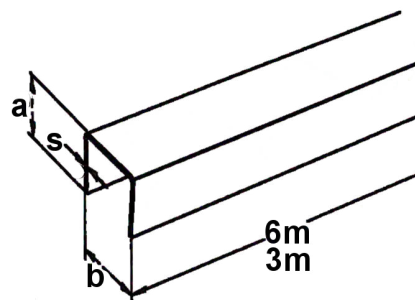


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Follow your Track

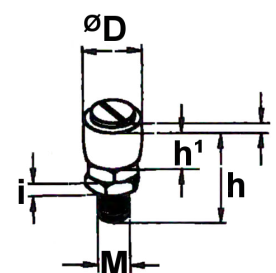


U-Track		82110	82112	82114	
Item No.	6m	82110	82112	82114	
	3m	82008	82140		
EAN-No.	6m	4001425821108	4001425821122	4001425821145	
	3m	4001425820083	4001425821405		
	a	25	30	50	
	b	17	30	60	
	s	1,25	1,5	3	
Weight/pc.	kg/m	0,65	0,96	3,53	

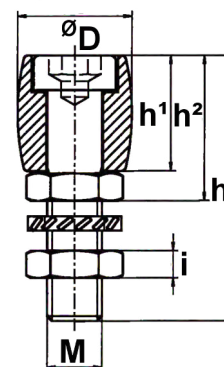


Item No.		85132*	85133		
EAN-No.		4001425851327	4001425851334		
	ØD	13,5	24		
	h	64	48		
	h¹	20	18		
	i	5	7		
	l	3	2		
thread	M	M 6	M 14		
Weight/pc.	kg	0,01	0,12		

* Plastic

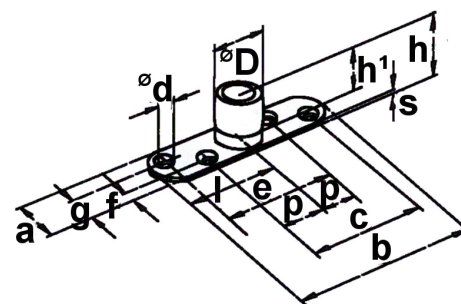


Item No.			85139		
EAN-No.			4001425851396		
	ØD		25		
	h		57,5		
	h¹		25		
	h²		31,5		
	i		6		
Gewinde	M		M 12		
Weight/pc.	kg		0,10		



Item No.		81171*	85134	85136	85130*	
EAN-No.		4001425811710	4001425851341	4001425851365	4001425851303	
Special Design				85142**		
EAN-No.				4001425851426		
	ØD	13	24	24	50	
	a	20	25	35	50	
	b	74	100	110	100	
	c	40	70	76	76	
	Ød	6	6	6	10,5	
	e	40	-	-	-	
	f	5,5	12,5	17,5	25	
	g	12,5	18	-	26	
	h	23	28,5	31	48	
	h¹	-	18	18	26	
	l	37	50	55	50	
	p	13	-	-	-	
	s	2	3	5	5	
Weight/pc.	kg	0,02	12	0,23	0,35	

* Plastic



Classic 9 Aluminium

Sliding Door Systems, C-Profile

HBS-Guide Rollers

to cement in

Material:

bracket of galvanized steel, roller of brass

Features:

friction bearing



HBS-Slides

for guide track

Material:

plastic, natural-colored

Features:

friction bearing



HBS-Plastic Guide Rollers

to screw on

Material:

roller of polyamide, axle and nuts
of galvanized steel

Features:

friction bearing



HBS-Plastic Guide Rollers

to screw on

Material:

roller of polyamide, axle and nuts
of galvanized steel

Features:

friction bearing



Follow your Track

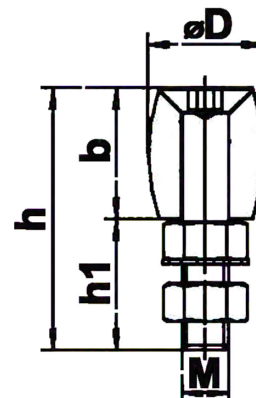
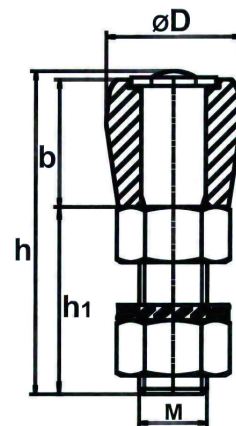
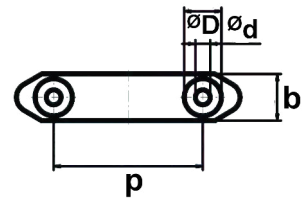
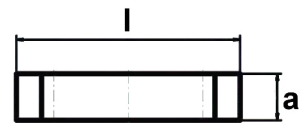
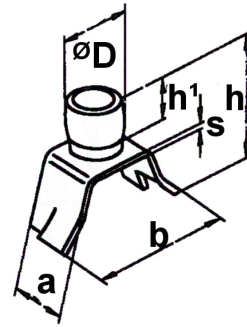
small medium big

U-Track		82110	82112	82114
Item No.			85135	
EAN-No.			4001425851358	
	ØD		24	
	a		30	
	b		73	
	h		60	
	h ¹		18	
	s		3	
Weight/pc.	kg		0,15	

Item No.			85540	
EAN-No.			4001425855400	
	ØD		20	
	a		25	
	b		25	
	l		120	
	p		80	
	Ød		8	
Weight/pc.	kg		0,045	

max. loading per piece in kg		80		
Item No.		85150		
EAN-No.		4001425851501		
	ØD	32		
	b	30		
	h	76		
	h ¹	45		
thread	M	M 16		
Weight/pc.	kg	0,18		

max. loading per piece in kg		40		
Item No.		85143		
EAN-No.		4001425851433		
	ØD	20		
	b	23		
	h	45		
	h ¹	22		
thread	M	M 8		
Weight/pc.	kg	0,03		



Classic 9 Aluminium

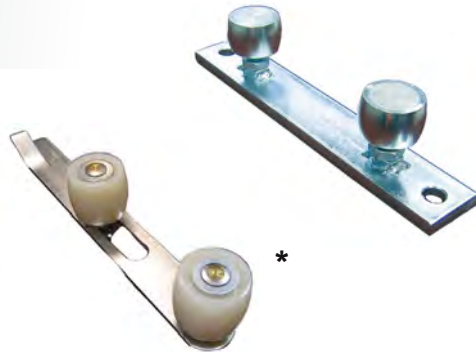
Sliding Door Systems, C-Profile

HBs-Double Guide Rollers

to screw on or to cement in

Material:

screw-on plate or wall anchor and roller with ball bearing of galvanized steel or roller of polyamide with friction bearing *



HBs-Double Guide Rollers

to screw on

Material:

galvanized steel

Features:

with ball bearing



HBs-Plastic Guide Rollers

to screw on

Material:

Rollers of polyamide, axle and nuts of galvanized steel

Features:

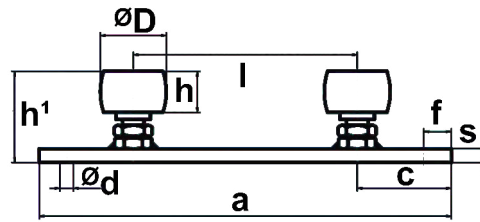
friction bearing



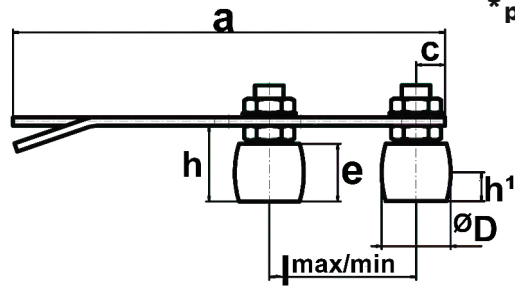
Follow your Track



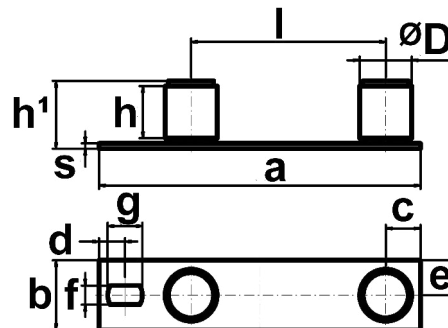
U-Track			
Item No.		65022	85137*
EAN-No.		4001425650227	4001425851372
	ØD	48	48
	a	300	300
	c	68,5	22,5
	Ød	16	-
	e	-	40
	f	20	-
	h	30	50
	h¹	66	20
	l	163	-
	l _{min}	-	33
	l _{max}	-	81
	s	10	-
Weight/pc.	kg	2	1,1



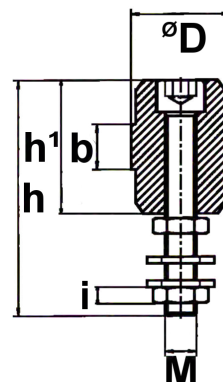
* plastic rollers



Item No.		75019	
EAN-No.		4001425750194	
	ØD	30	
	a	185	
	b	40	
	c	20	
	d	15	
	e	20	
	f	11	
	g	20	
	h	33	
	h¹	40	
	l	112	
	s	3	
Weight/pc.	kg	0,42	



Item No.		62039	
EAN-No.		4001425620398	
	ØD	44	
	b	20	
	h	104	
	h¹	59	
	i	7	
thread	M	M 14	
Weight/pc.	kg	0,28	



Classic 9 Aluminium

Sliding Door Systems, C-Profile

HBS-Plastic Guide Rollers

to screw on

Material:

roller of polyamide, axle and nuts of galvanized steel or stainless steel*

Features:

friction bearing or ball bearing*



HBS-Steel Guide Rollers

to screw on

Material:

galvanized steel or stainless steel*

Features:

with ball bearing, water-protected



HBS-Steel Guide Rollers

to weld on

Material:

galvanized steel

Features:

with ball bearing, water-protected



**For more Guide Rollers have a look at Catalogue Programme:
"Guides for Doors and Gates" from page 236**

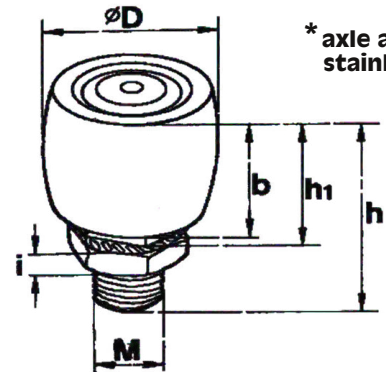
Follow your Track

without track without track without track without track

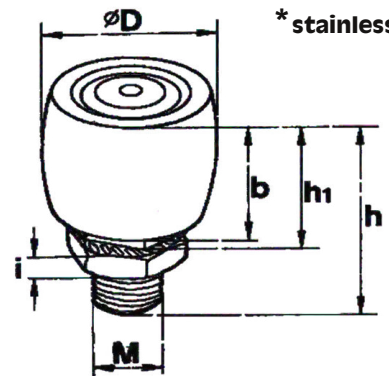
U-Track					
max. loading per piece in kg		150	400		
Item No.		62044	62089*		
EAN-No.		4001425620442	4001425620893		
	ØD	48	75		
	b	40,5	50		
	h	79,5	96		
	h ¹	51,5	-		
	i	10	10		
thread	M	M 20	M 20		
Weight/pc.	kg	0,31	0,31		

max. loading per piece in kg		200	200	750	2000
Item No.		62045	62038*	62046	62097
EAN-No.		4001425620459	4001425620381	4001425620466	4001425620978
	ØD	48	48	100	115
	b	30	30	40	60
	h	65	65	90	130
	h ¹	35	35	50	62
	i	8	8	12	21
thread	M	M 16	M 16	M 24	M 42
Weight/pc.	kg	0,45	0,45	2,47	7,5

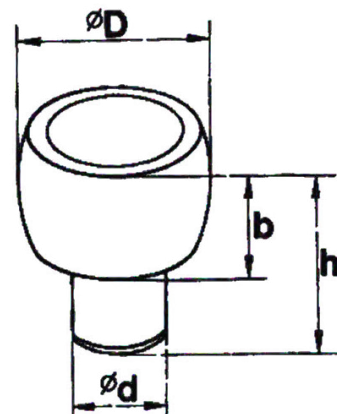
max. loading per piece in kg		200	750	2000	
Item No.		62048	62049	62098	
EAN-No.		4001425620480	4001425620497	4001425620985	
	ØD	48	100	115	
	b	30	40	60	
	Ød	25	40	60	
	h	60	90	120	
Weight/pc.	kg	0,47	2,76	7,88	



* axle and nuts of stainless steel



* stainless steel





Classic 9 Elegant (Glass)

Sliding Door Systems, C-Profile

Table of Contents

Classic 9 Elegant (Glas) - Sliding Door Systems, C-Profile

Tracks, Hangers, Screw-on Plates	S. 058-059
Glass Holder, Stoppers, Fixing Brackets	S. 060-061
Frames, Frame Holders	S. 062-063
U-Tracks, Pane of Glass Holder, Piping Straps	S. 064-065
Glass Sliding Door Sets	S. 64a-65a

Classic 9 Elegant (Glass)

Sliding Door Systems, C-Profile

for glass thicknesses: 8 mm - 10 mm

HBS-Aluminium Tracks

Material:

Aluminium

Features:

standard length 6 m, 3 m, 2 m



HBS-Aluminium Hangers

four roles

Material:

base frame of aluminium;
rollers of plastic

Features:

The four rollers are ball bearing mounted. The fixing screw can be used for height adjusting.



HBS-Steel Screw-on Plates

Material:

galvanized steel

Features:

The screw-on plate is used to fix the hanger at the glass holder.

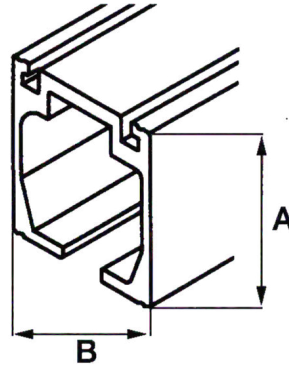
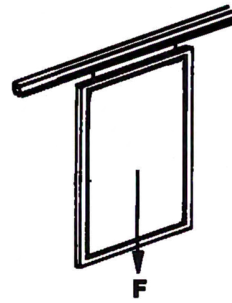


Follow your Track

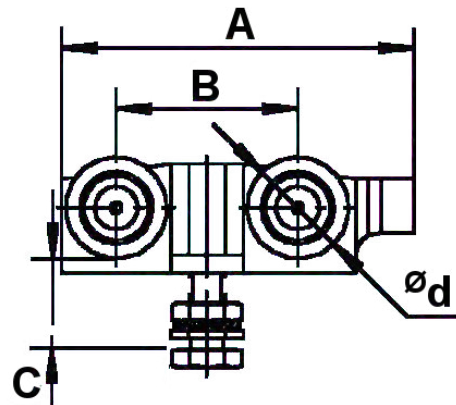
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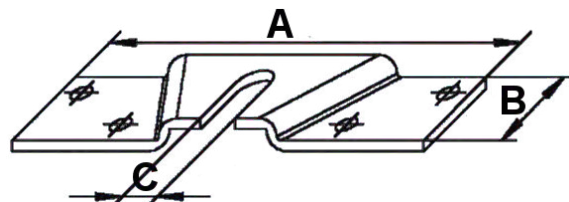
Track		82157
F = max. door weight in kg		150
Item No.	2m	82194
	3m	82195
	6m	82157
EAN-No.	2m	4001425821948
	3m	4001425821955
	6m	4001425821573
	A	51,5
	B	47,5
weight	kg/m	2,02



max. loading per piece in kg		75
Item No.		85800
EAN-No.		4001425858005
	A	97
	B	59
	C	22-42
	ød	28
thread	M	M 10
weight/pc.	kg	0,2



Item No.		80167
EAN-No.		4001425801674
	A	111
	B	24
	C	10
weight/pc.	kg	0,06



Classic 9 Elegant (Glass)

Sliding Door Systems, C-Profile

HBS-Aluminium Glass Holders

Material:
aluminium

Features:
To clamp glass of 8-10 mm thickness



HBS-Track Stoppers

for Aluminium Hangers

Material:
plastic, steel and aluminium

Features:
The stopper stops the hanger in the end position. It will be fixed in the track.



HBS-Aluminium Wall Fixing Brackets

Material:
aluminium

Features:
This bracket is used to fix the track at the wall and to joint to tracks together.



HBS-Aluminium Ceiling Joint Brackets

Material:
aluminium

Features:
This bracket is used to fix the track at the ceiling and to joint to tracks together.

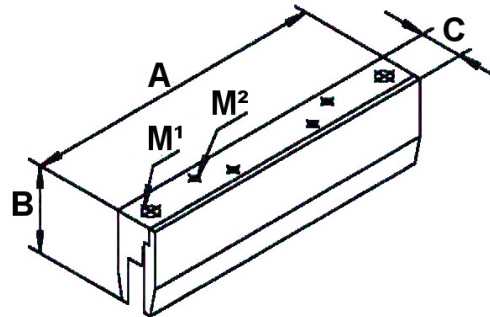


Follow your Track

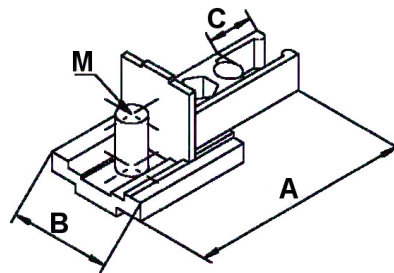
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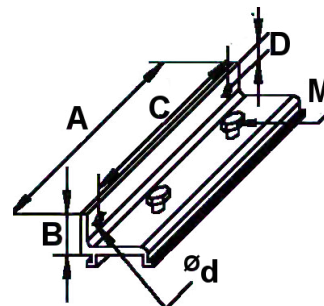
Laufschiene		82157
max. loading per piece in kg		75
Item No.		85803
EAN-No.		4001425858036
	A	200
	B	57
	C	28
	M ¹	M 10
	M ²	M 5
weight/pc.	kg	0,65



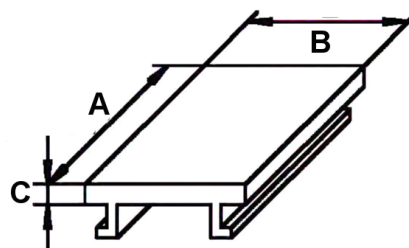
Item No.		85801
EAN-No.		4001425858012
	A	57
	B	30
	C	14
thread	M	M 8
weight/pc.	kg	0,036



Item No.		85605
EAN-No.		4001425858056
	A	130
	B	25
	C	110
	D	10
	ød	6,5
weight/pc.	kg	0,124



Item No.		85808
EAN-No.		4001425858081
	A	400
	B	47,5
	C	6
weight/pc.	kg	0,392



Classic 9 Elegant (Glass)

Sliding Door Systems, C-Profile

HBS-Aluminium Track Frames

for ceiling fixing

Material:

aluminium

Features:

The frame is used to cover the front of the track by ceiling fixing.

HBS-Aluminium Track Frames

for wall fixing

Material:

aluminium

Features:

The frame is used to cover the front of the track by wall fixing.



HBS-Aluminium Frame Holders

Material:

aluminium

Features:

The holder is screwed to the track and the aluminium frames are clipped on these holders.



HBS-Aluminium Head Frames

for wall fixing, track frame, left or right

Material:

Aluminium

Features:

The head frame is used to cover the left or right sides of the wall frame.



85838



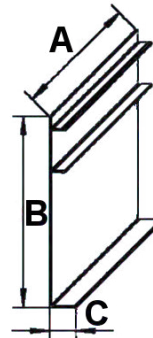
85836

Follow your Track

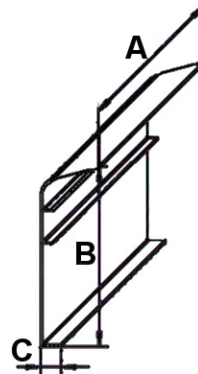
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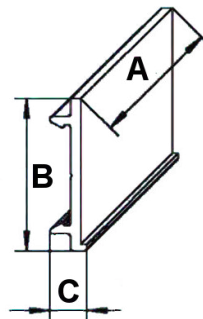
Laufschiene		82157
Item No.	2m	85813
	3m	85814
	6m	85816
EAN-No.	2m	4001425858135
	3m	4001425858142
	6m	4001425858166
	B	145
	C	20
weight	kg/m	1,1



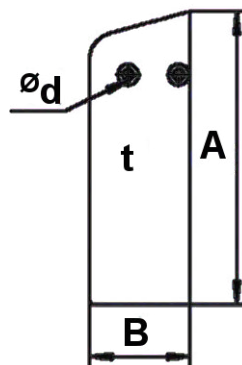
Item No.	2m	85821
	3m	85822
	6m	85824
EAN-No.	2m	4001425858212
	3m	4001425858227
	6m	4001425858246
	B	179
	C	20
weight	kg/m	1,57



Item No.		85826
EAN-No.		4001425858056
	A	35
	B	53
	C	13
weight/pc.	kg	0,01



Item No.	links	85836
	rechts	85838
EAN-No.	links	4001425858364
	rechts	4001425858382
	A	179,5
	B	61,6
	t	3
	ød	6
weight/pc.	kg	0,08



Classic 9 Elegant (Glass)

Sliding Door Systems, C-Profile

HBS-U-Aluminium Profiles

Material:
aluminium

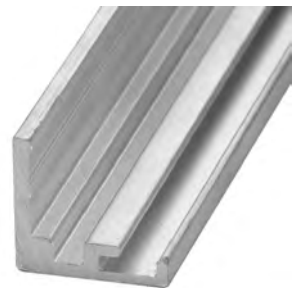
Features:
The U-Profile is used in combination with the piping straps to fix the static glass pane.



HBS-Aluminium Pane Holder, big

Material:
aluminium

Features:
The holder is used in combination with the pane holder, small and the piping straps for the lower holding of the static panes.



HBS-Aluminium Pane Holder, small

Material:
aluminium

Features:
The holder is used in combination with the pane holder, big and the piping straps for the lower holding of the static panes.



HBS-Piping Straps

for sealing between glass pane and pane holder

Material:
rubber, black



HBS-Floor Guide

for glass doors

Material:
base frame of aluminium, guide of plastic

Features:
The floor guide is adjustable from 9 - 13 mm for glass thicknesses from 8 - 10 mm.

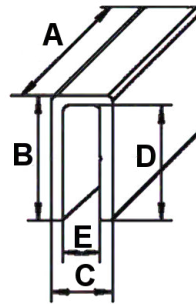


Follow your Track

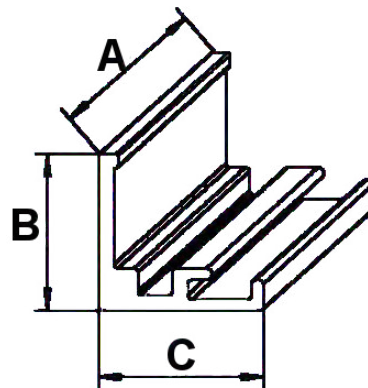
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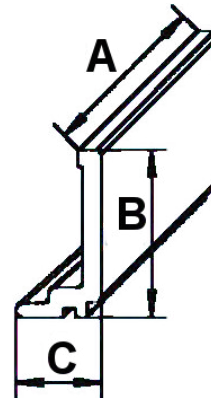
Item No.	2m	85831
	3m	85832
	6m	85834
EAN-No.	2m	4001425858319
	3m	4001425858326
	6m	4001425858341
	B	51
	C	25
	D	47
	E	15
weight	kg/m	1,52



Item No.	2m	85839
	3m	85840
	6m	85842
EAN-No.	2m	4001425858395
	3m	4001425858401
	6m	4001425858425
	B	20
	C	21
weight	kg/m	0,28



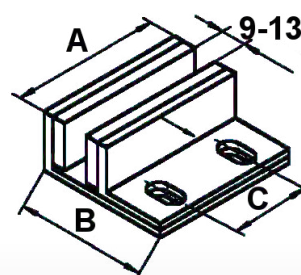
Item No.	2m	85843
	3m	85844
	6m	85846
EAN-No.	2m	4001425858432
	3m	4001425858449
	6m	4001425858463
	B	17,6
	C	9
weight	kg/m	0,13



Item No.		85804
EAN-No.		4001425858043
weight	kg/m	0,006



Item No.		85847
EAN-No.		4001425858319
	A	45
	B	40
	C	24,5
weight/pc.	kg	0,04



Classic 9 Elegant (Glass)

Sliding Door Systems, C-Profile

HBS-Glass Sliding Door Sets Type 40

for door width till 1 m

Item No. 85862

EAN-No. 4001425858623

In this set are following items consisting of items mentioned before:

1 x aluminium track Type 40 2 m item no. 82194

2 x aluminium hanger Type 40 item no. 85800

2 x steel screw-on plate Type 40 item no. 80167

2 x track stoppers Type 40 item no. 85801

1 x floor guide Type 40 item no. 85847

2 x glass holder item no. 85803



HBS-Add-on Set Static Glass Wall Type 40

for door weight till 1 m

Item No. 85866

EAN-No. 4001425858661

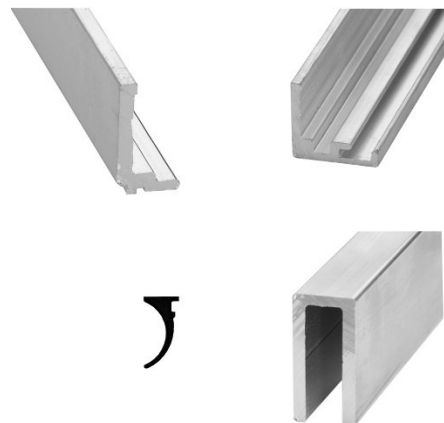
In this set are following items consisting of items mentioned before:

1 x U-Aluminium Profile 2 m item no. 85831

1 x Aluminium Pane Holder big 2 m item no. 85839

1 x Aluminium Pane Holder, small 2 m item no. 85843

8 m Piping Straps item no. 85804



HBS-Add-on Set - Wall Frame

for door width till 1 m

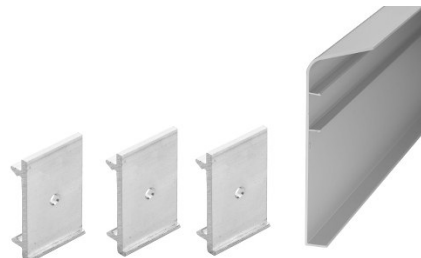
Item No. 85870

EAN-No. 4001425858708

In this set are following items consisting of items mentioned before:

1 x Aluminium Track Frame Type 40 2 m item no. 85821

3 x Aluminium Frame Holder Type 40 item no. 85826



Classic 9 Elegant (Glass)

Sliding Door Systems, C-Profile

HBS-Add-on Set - Ceiling Frame

for door width till 2 m

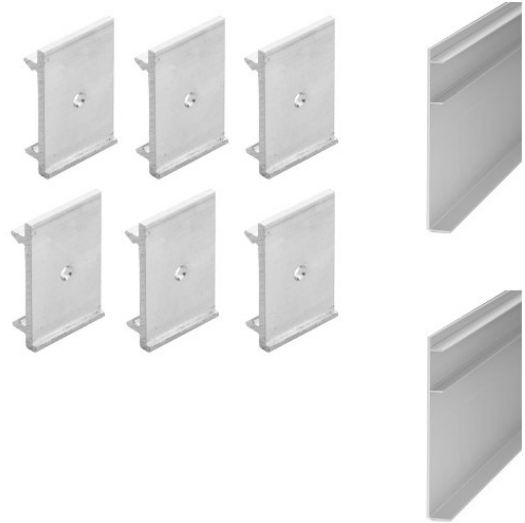
Item No. 85874

EAN-No. 4001425858746

In this set are following items consisting of items mentioned before:

2 x Aluminium Track Frames Type 40 2m item no. 85813

6 x Aluminium Frame Holder Type 40 item no. 85826



HBS-Add-on Set - additional glass door Type 40

Item No. 85877

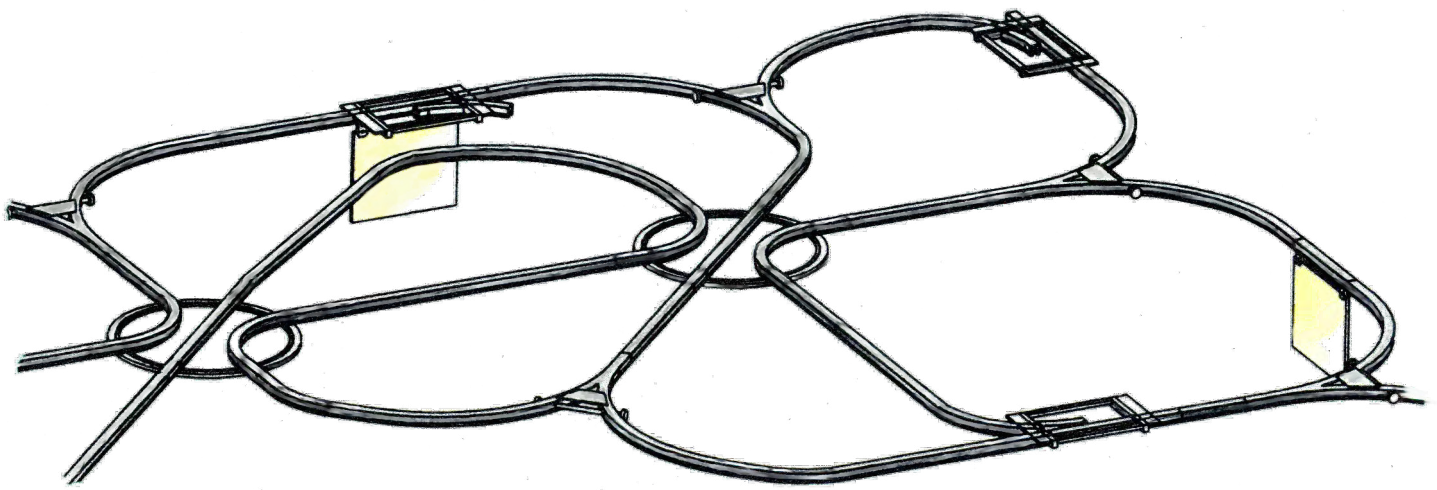
EAN-No. 4001425858773

In this set are following items consisting of items mentioned before:

2 x Aluminium Hanger Type 40 item no. 85800

2 x Steel Screw-on Plate Type 40 item no. 80167





Conveyor Technology

Tube Drive Systems, C-Profile

Table of Content

Handhangbahn - Tube Drive Systems, C-Profile

Transport Hangers	pp. 068-079
Hooks, Eyes, Traversers	pp. 080-081
Tracks, Joint Brackets	pp. 082-083
Track Bends	pp. 084-085
Switchs, Insert Stations	pp. 086-095
Brackets, Side Fixing Brackets	pp. 096-099
Suspension Combinations, Stoppers	pp. 100-101
Traverser Hangers, lockings	pp. 102-103
Clamp Brackets	pp. 104-105
Track Strengthenener	pp. 106-107
Brackets for pivot arm	pp. 108-109
Cable Carrier Hangers	pp. 110-117
Self-closing runners	pp. 118-119
Also available on request...	pp. 120-121
Hoist Stations	pp. 122-123

Conveyor Technology

Tube Drive Systems, C-Profile

HBS-Transport Hangers, two roles

Material:

base frame of plastic with drilling,
plastic roles with friction bearing
or with ball bearing

Features:

The transport hanger is suitable for
light curtains, nets, tarpaulins etc.



HBS-Transport Hangers, four roles

Material:

base frame of plastic with drillings,
plastic roles with friction bearing or
ball bearing

Features:

The transport hanger is suitable for
light curtains, nets, tarpaulins etc.



HBS-Transport Hangers, two roles

Material:

base frame of steel, ungalvanized;
steel roles with ball bearing

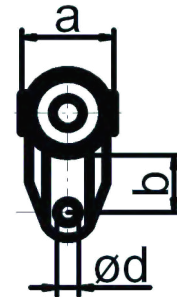
Features:

The transport hanger is used to weld.

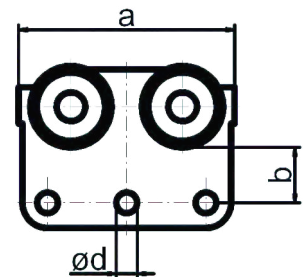


Follow your Track

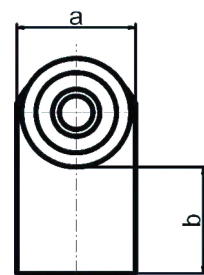
		10	30	40	50	60	70
Track		82100	82102	82104	82106	82108	82118
max. loading per piece in kg		5					
Item No.		85056					
EAN-No.		4001425850566					
weight/pc.	kg	0,012					
max. loading per piece in kg		8					
Item No.		84011*	84010*				
EAN-No.		4001425840116	4001425840109				
weight/pc.	kg	0,016	0,032				
	ød	5,8	5,8				
	a	24,5	24,5				
	b	14,5	12				
max. loading per piece in kg		10					
Item No.		84012					
EAN-No.		4001425840123					
weight/pc.	kg	0,032					
max. loading per piece in kg		15					
Item No.		84013*					
EAN-No.		4001425840116					
weight/pc.	kg	0,044					
	ød	5,8					
	a	60					
	b	15,1					
max. loading per piece in kg		30					
Item No.		84074					
EAN-No.		4001425840741					
weight/pc.	kg	0,06					
max. loading per piece in kg			50	100			
Item No.			84028	84030			
EAN-No.			4001425840284	4001425840307			
weight/pc.	kg		0,12	0,266			
	a	20	30	40			
	b	23	31	40			



*with ball bearing



*with ball bearing



Conveyor Technology

Tube Drive Systems, C-Profile

HBS-Transport Hanger, two roles

Material:

base frame of galvanized steel with drilling, steel roles with ball bearing

Features:

The transport hanger is suitable for curtains, nets, tarpaulins etc.



HBS-Transport Hanger, two roles

Material:

base frame of galvanized steel mit zwei Bohrungen, steel roles with ball bearing ;

Features:

The Transport Hanger is suitable for curtains, nets, tarpaulins etc.



HBS-Transport Hanger, four roles

Material:

base frame of galvanized steel with thread, steel roles with ball bearing



HBS-Transport Hanger, two roles

Material:

base frame of galvanized steel with drilling, steel roles with ball bearing

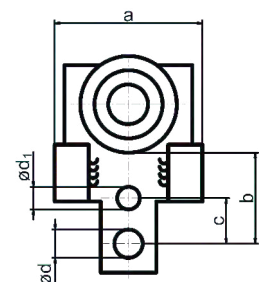
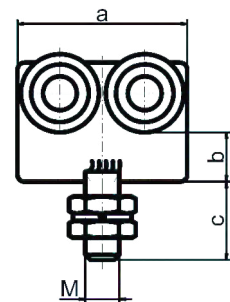
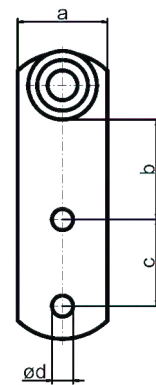
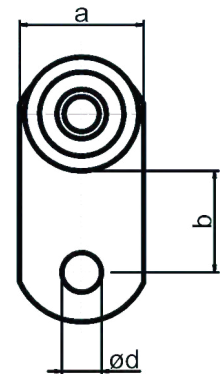
Features:

The Transport Hanger is suitable for curtains, nets, tarpaulins etc.



Follow your Track

		10	30	40	50	60	70
track		82100	82102	82104	82106	82108	82118
max. loading per piece in kg		30	50	100			
Item No.		84075	84068	84047			
EAN-No.		4001425840758	4001425840680	4001425840477			
	a	25	30	30			
	b	21	33	31,5			
	ød	8,2	13	13			
weight/pc.	kg	0,058	0,125	0,15			
max. loading per piece in kg		30	50	100			
Item No.		84016	84053	84055			
EAN-No.		4001425840161	4001425840536	4001425840550			
	a	30	30	40			
	b	33,5	33	70			
	c	29	29	40			
	ød	7	7	8			
weight/pc.	kg	0,1	0,188	0,39			
max. loading per piece in kg		30					
Item No.		84078					
EAN-No.		4001425840789					
	a	50					
	b	36					
	c	23					
thread	M	M 10					
weight/pc.	kg	0,131					
max. loading per piece in kg				100			
Item No.				84092			
EAN-No.				4001425840925			
	a			52			
	b			32,5			
	c			16			
	ød			10			
	ød ₁			8			
weight/pc.	kg			0,229			



Conveyor Technology

Tube Drive Systems, C-Profile

HBS-Transport Hanger, four roles

Material:

base frame of galvanized steel with drilling, steel roles with ball bearing

Features:

The Transport Hanger is suitable for curtains, nets and small equipments (air-operated power wrench etc.)



HBS-Transport Hanger, two roles

Material:

base frame of galvanized steel with ball joint, steel roles with ball bearing

Features:

The ball joint mandrel is ideal for the use with traversers. Before first use the ball joint has to be greased.



HBS-Transport Hanger, four roles

Material:

base frame of galvanized steel with ball joint, steel roles with ball bearing, alternative with temperature-resistant ball bearings till 240°

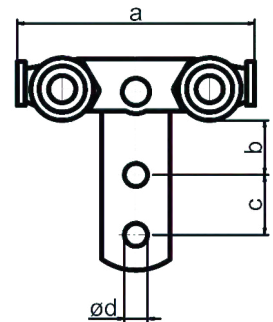
Features:

The ball joint mandrel is ideal for the use with traversers. Before first use the ball joint has to be greased.

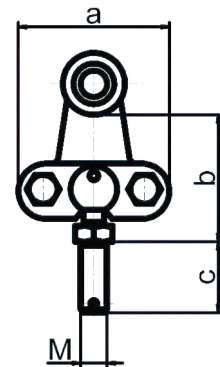


Follow your Track

		10	30	40	50	60	70
track		82100	82102	82104	82106	82108	82118
max. loading per piece in kg		30	50	100	200		
Item No.		84018	84002	84101	84147		
EAN-No.		4001425840185	4001425840026	4001425841014	4001425841472		
	a	25	25	30	30		
	b	78	77	99,5	105		
	c	21,9	21,5	17	17		
	ød	8	10	14	14		
weight/pc.	kg	0,14	0,26	0,5	1		

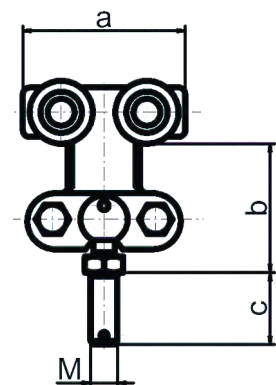


max. loading per piece in kg			30	70	150		
Item No.			84057	84096	84142		
EAN-No.			4001425840574	4001425840963	4001425841427		
	a		68	72	98		
	b		59	76	90		
	c		30	35	50		
thread	M		M 12	M 16	M 20		
weight/pc.	kg		0,38	0,62	1,96		



max. loading per piece in kg			50	100	300	500	
Item No.			84058	84097	84143	84193	
EAN-No.			4001425840574	4001425840970	4001425841434	4001425841939	
Item No.			85055*	85058*	85059*	85060*	
EAN-No.			4001425850559	4001425850580	4001425850597	4001425850603	
	a		72	90	112	140	
	b		59	66	90	102	
	c		30	40	50	65	
thread	M		M 12	M 16	M 20	M 24	
weight/pc.	kg		0,46	0,8	1,96	3,76	

*with temperature-resistant ball bearings till 240°



Conveyor Technology

Tube Drive Systems, C-Profile

HBS-Transport Hanger, four roles

Material:

base frame of galvanized steel with turnable mandrel, steel roles with ball bearing

Features:

The Transport Hanger is ideal for vertical use because the middle axle is adjustable in height and that is why there can be adjusted a small distance between roles and track.



HBS-Transport Hanger, four roles

Material:

base frame of galvanized steel with turnable mandrel in 90° lock-in position, steel roles with ball bearing

Features:

The mandrel of Transport Hangers is with lock-in position and easy to adjust.



HBS-Transport Hanger, four roles

Material:

base frame of steel with drilling, galvanized steel roles with ball bearing

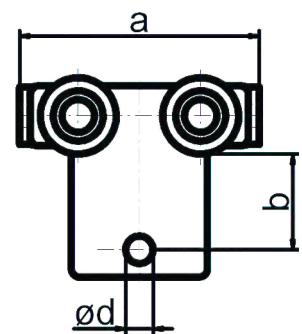
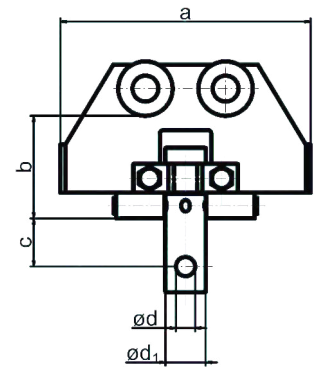
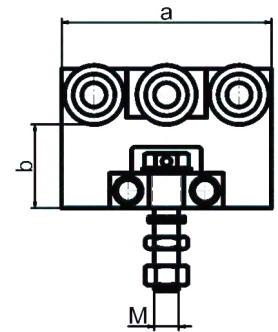
Features:

The Transport Hanger is also available with heat-resistant ball bearings till 240° on request.



Follow your Track

		10	30	40	50	60	70
track		82100	82102	82104	82106	82108	82118
max. loading per piece in kg				150			
Item No.				85083			
EAN-No.				4001425850832			
	a			120			
	b			50			
thread	M			14			
weight/pc.	kg			1,01			
max. loading per piece in kg				100	200		
Item No.				84098	84144		
EAN-No.				4001425840987	4001425841441		
	a			155	157		
	b			64	84		
	c			30	49		
	ød			11,5	13		
	ød ₁			25	25		
weight/pc.	kg			1,35	2,31		
max. loading per piece in kg			75	150	300	500	1000
Item No.			84089	84098	84141	84191	84199
EAN-No.			4001425840895	4001425840987	4001425841410	4001425841915	4001425841991
	a		88	98	128	158	231
	b		35	33	50	51	47
	ød		10	14	18	20	25
weight/pc.	kg		0,315	0,588	1,55	2,82	7,03



Conveyor Technology

Tube Drive Systems, C-Profile

HBS-Transport Hanger, four roles

Material:

base frame of galvanized steel (or stainless steel in 1.4301 (V2A) or 1.4404 (V4A) with drilling, steel roles (or stainless steel roles in 1.4301 (V2A) or 1.4404 (V4A), with ball bearing

Features:

The Transport Hanger is also available with heat-resistant ball bearings till 240° on request.



HBS-Transport Hanger, four roles

Material:

base frame of steel, ungalvanized, steel roles with ball bearing

Features:

The Transport Hanger is for welding and is also available with heat-resistant ball bearings till 240° on request.



HBS-Transport Hanger, four roles

Material:

base frame of galvanized steel, steel roles with ball bearing

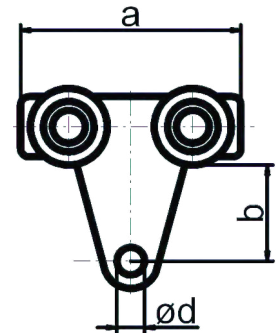
Features:

The Transport Hanger can be provided with hooks, eyes, bolts and screws and is also available with heat-resistant ball bearings till 240° on request.

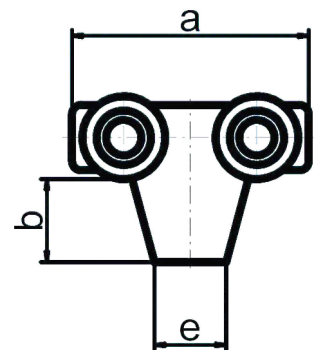


Follow your Track

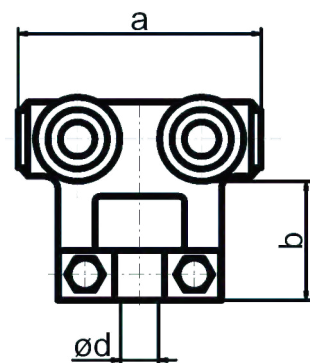
		10	30	40	50	60	70
track		82100	82102	82104	82106	82108	82118
max. loading per piece in kg		50	75	150	300	500	1000
Item No.		84080	84081	84082	84083	84084	84126
EAN-No.		4001425840802	4001425840819	4001425840826	4001425840833	4001425840840	4001425841267
Item No.	V2A	85583	85584	85585			
EAN-No.	V2A	4001425855837	4001425855844	4001425855851			
Item No.	V4A	85586	85587	85588			
EAN-No.	V4A	4001425855868	4001425855875	4001425855882			
	a	60	80	100	120	140	210
	b	20	35	43	46,4	51,5	77,5
	ød	8	10	14	18	22	26
weight/pc.	kg	0,118	0,21	0,413	1,16	2,259	6,42



max. loading per piece in kg		50	75	150	300	500	
Item No.		84079	84085	84086	84087	84088	
EAN-No.		4001425840796	4001425840857	4001425840864	4001425840871	4001425840888	
	a	60	80	100	120	140	
	b	30	28	37	37,5	46,5	
	c	25	24	33	44	50	
weight/pc.	kg	0,129	0,201	0,398	1,117	2,2	



max. loading per piece in kg				150	300	500	1000
Item No.				84106	84152	84198	84215
EAN-No.				4001425841069	4001425841526	4001425841984	4001425842158
	a			98	128	148	231
	b			48	66	74	75
	c			15	17	21	30
weight/pc.	kg			0,68	1,7	2,84	6,6



Conveyor Technology

Tube Drive Systems, C-Profile

HBS-Tandem-Transport Hanger

with hook

Material:

base frame of galvanized steel
steel roles with ball bearing

Features:

The traverser in the transport hanger and the hook of the traverser are turnable. It is also available with heat-resistant ball bearings till 240° on request. It slides through switch and bents.



HBS-Tandem-Transport Hanger

with eye

Material:

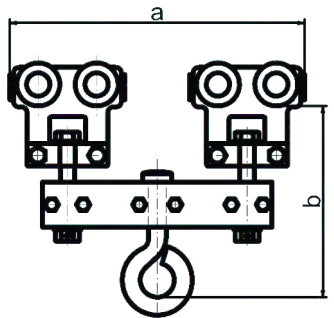
base frame of galvanized steel,
steel roles with ball bearing

Features:

The traverser in the transport hanger and the eye of the traverser are turnable. It is also available with heat-resistant ball bearings till 240° on request. It slides through switch and bents.



1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 26



Technical drawing of a lifting hook. The drawing shows a side view of the hook assembly. Dimension 'a' indicates the width between the centers of the two upper eyes. Dimension 'b' indicates the height from the base of the hook to the top of the eyes.

Conveyor Technology

Tube Drive Systems, C-Profile

HBS-Hook

for Transport Hanger

Material:

galvanized steel

Features:

The hook can be mounted in Transport Hanger or in Traverser. It is available with and without anti-lift device.



HBS-Eyes

for Transport Hanger

Material:

galvanized steel

Features:

The eye can be mounted in Transport Hanger or in Traverser.



HBS-Traverser with Hook

Material:

galvanized steel

Features:

The Traverser is provided with thread for HBS-Transport Hangers. The Hook is turnable.



HBS-Traverser with Eye

Material:

galvanized steel

Features:

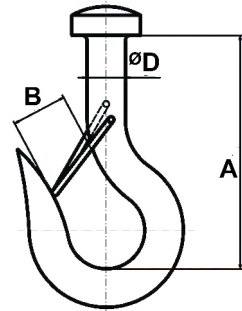
The Traverser is provided with thread for HBS-Transport Hangers. The Eye is turnable.



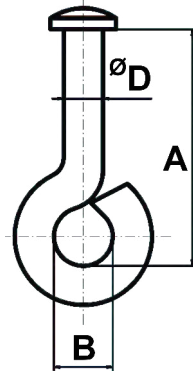
Follow your Track

		10	30	40	50	60	70
track		82100	82102	82104	82106	82108	82118
max. loading per piece in kg		20	50	150	250	500	1000
Item No.		84022*	84063*	84109	84155	84202	84217
EAN-No.		4001425840222	4001425840635	4001425841090	4001425841557	4001425842028	4001425842172
	A	61	72	84	95	138	105
	B	13	18	18	23	26	42
	ØD	10	12	14	16	20	24
weight/pc.	kg	0,06	0,14	0,22	0,32	0,66	1,36

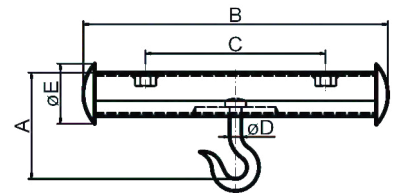
* without anti-lift device



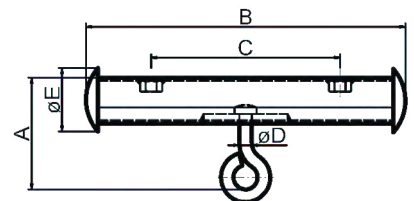
max. loading per piece in kg		20	50	150	250	500	1000
Item No.		84021	84062	84108	84154	84200	84216
EAN-No.		4001425840215	4001425840628	4001425841083	4001425841540	4001425842004	4001425842165
	A	67	70	85	92	120	117
	B	15	18	22	24	30	45
	ØD	10	12	14	16	20	24
weight/pc.	kg	0,08	0,12	0,22	0,32	0,66	1,9



max. loading per piece in kg			50	150	250	500	
Item No.			84065	84115	84161	84206	
EAN-No.			4001425840659	4001425841151	4001425841618	4001425842066	
	A		105	118	175	185	
	B		304	440	600	700	
	C		180	310	420	500	
	ØD		12	14	16	20	
	ØE		60	60	89	89	
weight/pc.	kg		1,44	2,76	5,3	11,1	



max. loading per piece in kg			50	150	250	500	
Item No.			84066	84116	84162	84206	
EAN-No.			4001425840666	4001425841168	4001425841625	4001425842066	
	A		96	90	130	150	
	B		300	450	600	700	
	C		180	300	420	500	
	ØD		12	14	16	20	
	ØE		60	60	89	89	
weight/pc.	kg		1,44	2,74	4,45	11,64	



Conveyor Technology

Tube Drive Systems, C-Profile

HBS-Tracks

Material:

steel, sendzimir (hot-dip) galvanized
Zinc-Magnesium (ZM)

Features:

Standard length 6 m, 3 m, 2 m



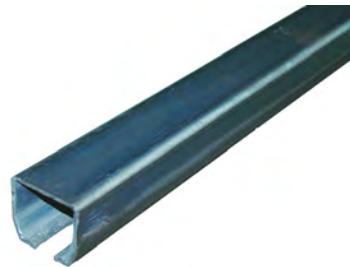
HBS-Tracks

Material:

ungalvanized steel

Features:

Standard length 6 m, 3 m, 2 m



HBS-Joint Brackets

to joint (adjust) two tracks

Material:

galvanized steel

Features:

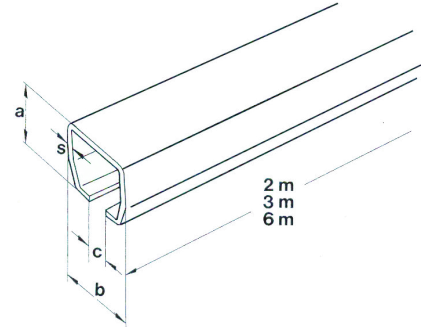
fast fixing by bolting



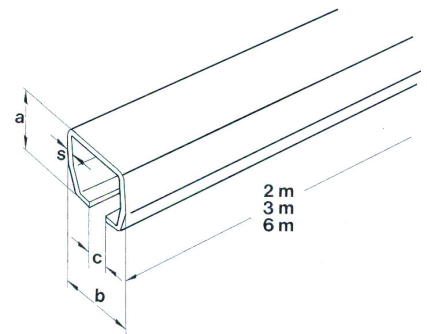
Follow your Track

		10	30	40	50	60	70
track		82100	82102	82104	82106	82108	82118
Item No.	2m	82138	82120	82122	82163	82170	82171*
	3m	82136	82121	82123	82137	82139	82185*
	6m	82100	82102	82104	82106	82108	82118*
EAN-No.	2m	4001425821382	4001425821207	4001425821221	4001425821634	4001425821702	4001425821719
	3m	4001425821368	4001425821214	4001425821238	4001425821375	4001425821399	4001425821856
	6m	4001425821009	4001425821023	4001425821047	4001425821061	4001425821085	4001425821184
	a	28	35	43,5	60	75	110
	b	30	40	48,5	65	80	90
	c	8	10	15	18	22	25
	s	1,8	2,8	3,2	3,8	4,5	7
	weight	kg/m	1,8	2,51	3,45	5,39	8,57

*galvanized

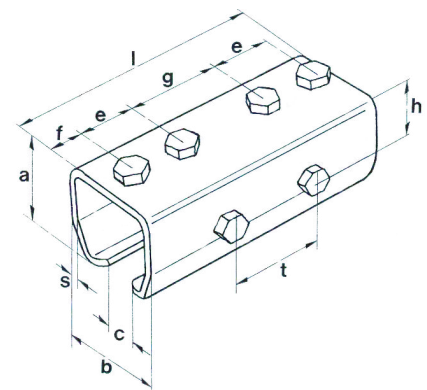


Item No.	2m	82173	82174	82175	82176	82177	82178
	3m	82179	82180	82181	82182	82183	82184
	6m	82125	82126	82124	82127	82128	82129
EAN-No.	2m	4001425821733	4001425821740	4001425821757	4001425821764	4001425821771	4001425821788
	3m	4001425821795	4001425821801	4001425821818	4001425821825	4001425821832	4001425821849
	6m	4001425821252	4001425821269	4001425821245	4001425821276	4001425821283	4001425821290
	a	28	35	43,5	60	75	110
	b	30	40	48,5	65	80	90
	c	8	10	15	18	22	25
	s	1,8	2,8	3,2	3,8	4,5	7
	weight	kg/m	1,8	2,51	3,45	5,39	8,57



Item No.		85200	85201	85202	85203	65019	85204*
EAN-No.		4001425852003	4001425852010	4001425852027	4001425852034	4001425650197	4001425852041
	a	35	45	55	75	98	135
	b	37,5	50	60	80	98	115
	c	10	16,5	19	25	28	32
	e	15	25	28	50	55	70
	f	12	12	24	18	18	20
	g	24	41	40	45	45	40
	h	80	19,5	19	32	35	65
	l	80	115	145	180	205	220
	s	3	4	4	6	8	10
	t	24	41	50	45	40	40
weight/pc.	kg	0,23	0,58	0,82	2,04	3,96	6,89

* with additional hexagon nut for screw lock



Conveyor Technology

Tube Drive Systems, C-Profile

HBS-Track Bend 90°

Material:

steel, sendzimir (hot-dip) galvanized or ungalvanized

Features:

90° with two-sided, straight ends



HBS-Track Bend 45°

Material:

steel, sendzimir (hot-dip) galvanized

Features:

45° with one-sided, straight end



Price on request!

HBS-Track Bend Section 20°

Material:

steel, sendzimir (hot-dip) galvanized

Features:

20° without straight ends



HBS-Top Bend 20°

Material:

steel, sendzimir galvanized

Features:

20° with two-sided, straight ends (leads downward)



HBS-Sub Bend 20°

Material:

steel, sendzimir galvanized

Features:

20° with two-sided, straight ends (leads upwards)



Follow your Track

10

30

40

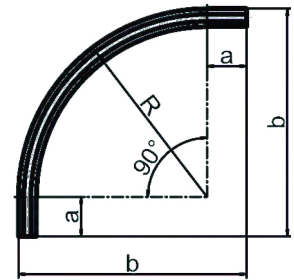
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60

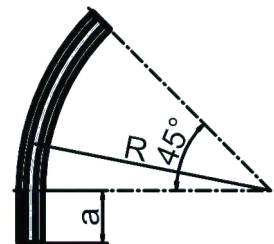
70

track		82100	82102	82104	82106	82108	82118
Item No.		82200	82202	82204	82206	82208	82236**
Item No.	ungalv.		82220	82221	82222	82223	82241
EAN-No.		4001425822006	4001425822020	4001425822044	4001425822068	4001425822082	4001425822365
	ungalv.		4001425822204	4001425822211	4001425822228	4001425822235	4001425822419
	R	500	600	600	600	800	
	a	330	350	400	335	300	
	b	845	970	1025	970	1140	
	angle	90°	90°	90°	90°	90°	
weight/pc.	kg	1,844	4	5,9	8,9	17,5	40

** on request



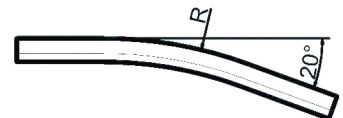
Item No.		82230	82231	82232	82233	82234	
EAN-No.		4001425822303	4001425822310	4001425822324	4001425822331	4001425822348	
	R	500	600	600	600	800	
	a	330	350	400	335	300	
	angle	45°	45°	45°	45°	45°	
weight/pc.	kg	0,92	2	2,95	4,45	9,75	



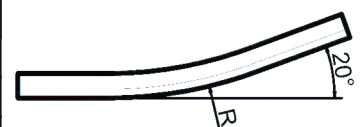
Item No.		82201	82203	82205	82207	82209	
EAN-No.		4001425822013	4001425822037	4001425822051	4001425822075	4001425822099	
	R	500	600	600	600	800	
	angle	20°	20°	20°	20°	20°	
weight/pc.	kg	0,23	0,574	0,835	1,26	2,72	



Item No.		82210	82212	82214	82216	82218	
EAN-No.		4001425822105	4001425822129	4001425822143	4001425822167	4001425822181	
	R	500	600	600	600	800	
	angle	20°	20°	20°	20°	20°	
weight/pc.	kg	0,8	1,52	2,18	3,67	7,74	



Item No.		82211	82213	82215	82217	82219	
EAN-No.		4001425822112	4001425822136	4001425822150	4001425822174	4001425822198	
	R	500	600	600	600	800	
	angle	20°	20°	20°	20°	20°	
weight/pc.	kg	0,8	1,52	2,18	3,67	7,74	



Conveyor Technology

Tube Drive Systems, C-Profile

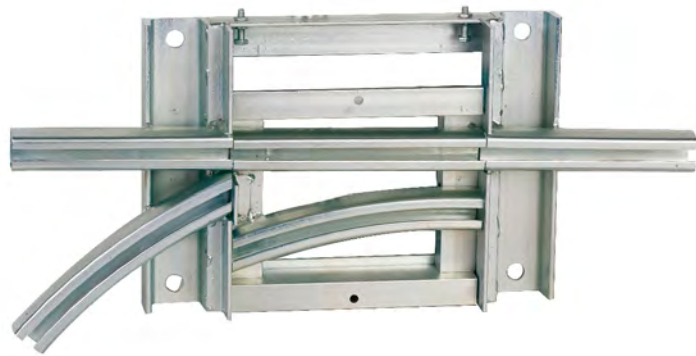
HBS-Switches with transverse movement 45°

Material:

galvanized steel

Features:

The switch has got a very robust, compact construction and requires small space. It is available in left or right version and can be switched without loading.



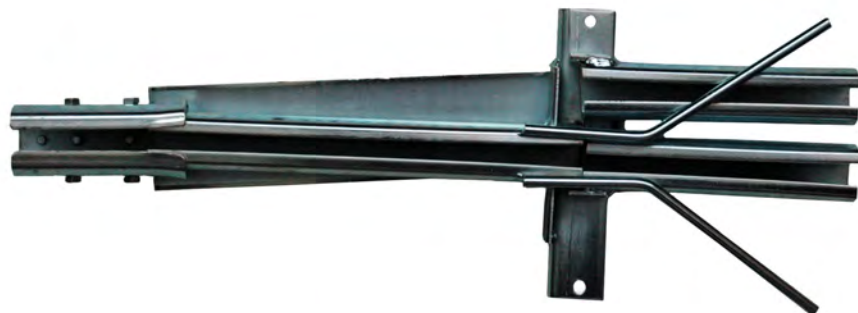
HBS-Switches with automatic adjustment

Material:

galvanized steel

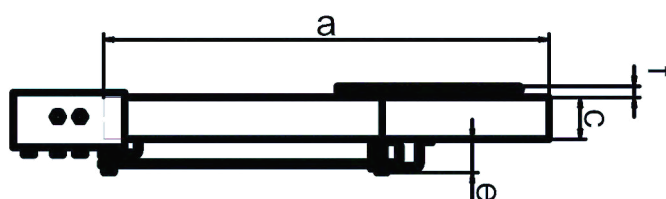
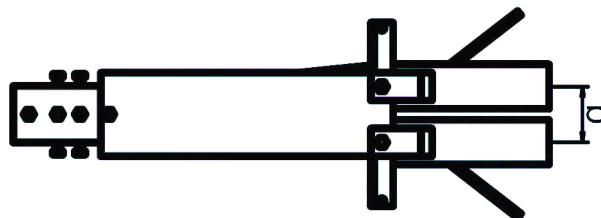
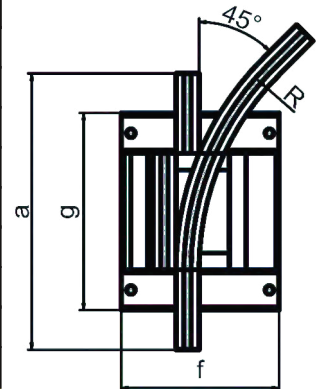
Features:

The switch is easily adjusted from two-lane to one-lane by the passing Transport Hanger and can be switched without loading.



Follow your Track

		10	30	40	50	60	70
track		82100	82102	82104	82106	82108	82118
Item No.	right		84257	84264	84271	84278	
Item No.	left		84258	84265	84272	84279	
EAN-No.	right		4001425842575	4001425842643	4001425842714	4001425842783	
EAN-No.	left		4001425842575	4001425842643	4001425842721	4001425842790	
	a		580	580	735	810	
	c		35	43,5	65	80	
	e		27	27	50	56	
	f		316	331	363	414	
	g		414	414	625	698	
	R		600	600	600	800	
weight/pc.	kg		11,16	12,42	13,7	27,5	
Chain Hoist for Tongue Switch		Delivery of set of accessories only in combination with the suitably Base Switch.					
Item No.			84410	84415	84420	84425	
EAN-No.			4001425844107	4001425844152	4001425844206	4001425844251	
pneumatic actuation with pressure cylinder		Delivery of set of accessories only in combination with the suitably Base Switch.					
Item No.			84411	84416	84421	84426	
EAN-No.			4001425844114	4001425844169	4001425844213	4001425844268	
Item No.			84291	84292	84293	84294	
EAN-No.			4001425842912	4001425842929	4001425842936	4001425842943	
	a		600	600	800	800	
	b		62	62	100	100	
	c		35	43,5	60	75	
	e		45	45	60	60	
	f		16	16	18	18	
weight/pc.	kg		6,1	5,62	17,8	19,15	



Conveyor Technology

Tube Drive Systems, C-Profile

HBS-Tongue Switches 90°

Material:

galvanized steel

Features:

The switch has got a 90° bend with straight ends. It can be adjusted by chain hoist or pneumatically or automatically by Transport Hanger. It can be switched without loading.



HBS-Tongue Switches 45°

Material:

galvanized steel

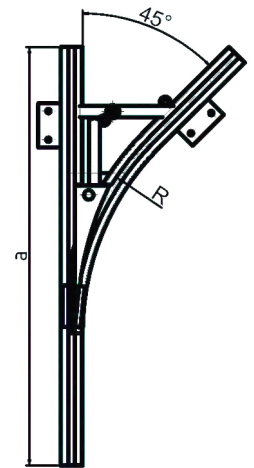
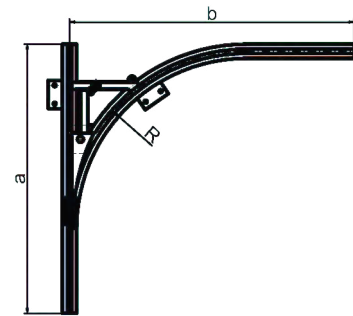
Features:

The switch has got a 45° bend with straight ends. It can be adjusted by chain hoist or pneumatically or automatically by Transport Hanger. It can be switched without loading.



Follow your Track

		10	30	40	50	60	70
track		82100	82102	82104	82106	82108	82118
Item No.	right		84365	84372	84381	84389	
Item No.	left		84364	84373	84380	84388	
EAN-No.	right		4001425843650	4001425843728	4001425843810	4001425843896	
EAN-No.	left		4001425843643	4001425843735	4001425843803	400142584889	
	angle		90°	90°	90°	90°	
	a		750	1000	1000	1060	
	b		1020	1020	940	1100	
	c		35	43,5	60	75	
	e		40	45	45	50	
	R		600	600	600	800	
weight/pc.	kg		6,05	8,5	12,1	23,9	
Item No.	right		84363	84371	84379	84387	
Item No.	left		84362	84370	84378	84386	
EAN-No.	right		4001425843636	4001425843711	4001425843797	4001425843872	
EAN-No.	left		4001425843629	4001425843704	4001425843780	4001425843865	
	angle		45°	45°	45°	45°	
	a		750	1000	1000	1060	
	c		35	43,5	60	75	
	e		40	45	45	50	
	R		600	600	600	800	
weight/pc.	kg		6,05	8,5	12,1	23,9	
spring actuation							
Item No.				84407			
EAN-No.				4001425844077			
Chain Hoist for Tongue Switch		Delivery of set of accessories only in combination with the suitably base tongue switch.					
Item No.			84410	84415	84420	84425	
EAN-No.			4001425844107	4001425844152	4001425844206	4001425844251	
pneumatic actuation with pressure cylinder		Delivery of set of accessories only in combination with the suitably base tongue switch.					
Item No.			84411	84416	84421	84426	
EAN-No.			4001425844114	4001425844169	4001425844213	4001425844268	
automatical changeable slide direction		Delivery of set of accessories only in combination with the suitably base tongue switch.					
Item No.			84409	84414	84419	84424	
EAN-No.			4001425844091	4001425844145	4001425844190	4001425844244	



Conveyor Technology

Tube Drive Systems, C-Profile

HBS-Y-Switches 90°

Material:

galvanized steel

Features:

The switch has got 90° bends with straight ends. It can be adjusted by chain hoist or pneumatically or automatically by Transport Hanger. It can be switched without loading.



HBS-T-Switches 90°

Material:

galvanized steel

Features:

The switch has got 90° bends, which are joint by a straight track. It can be adjusted by chain hoist or pneumatically or automatically by Transport Hanger. It can be switched without loading.



100

Conveyor Technology

Tube Drive Systems, C-Profile

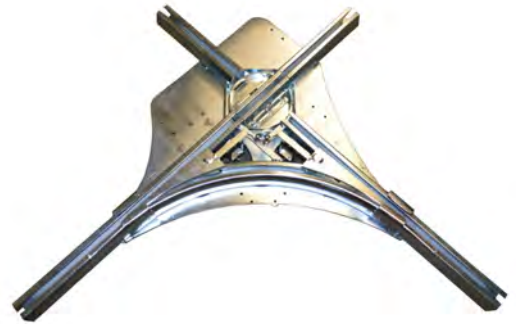
HBS-Turntable-Combination 90°

Material:

galvanized steel

Features:

A combination of two tongue switches with one 90° bend. In the intersection of the two straights is a turntable. This makes the crossing of both straight ends possible by 90° turn. The adjustment for direction change can be made by chain hoist or pneumatically. They are used at crossovers of a track system. The turntable-combination can be switched without loading.



HBS-Turntable Switches

Material:

galvanized steel

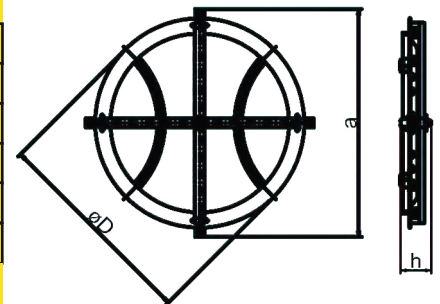
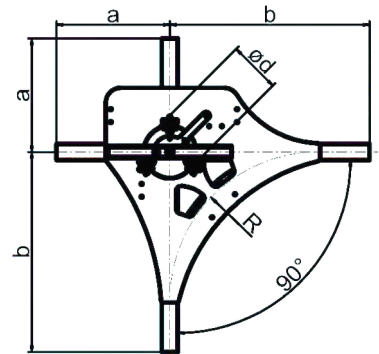
Features:

This switch can also be used by crossings of a track system. It makes it in the base position possible that two Transport Hangers of different directions can slide through the switch and rotated through 90° at the same time. If the switch is adjusted to 45°, there is only a pass in one direction possible. The other directions are blocked in this direction. This switch is switchable without loading.



Follow your Track

		10	30	40	50	60	70
track		82100	82102	82104	82106	82108	82118
Item No.				84308	84309	84310	
EAN-No.				4001425843087	4001425843094	4001425843100	
	a			460	460	600	
	b			810	810	1100	
	Ød			200	200	250	
	R			600	600	800	
weight/pc.	kg			19	57	46	
Chain Hoist for Tongue Switch		Delivery of set of accessories only in combination with the suitably base tongue switch.					
Item No.				84415	84420	84425	
EAN-No.				4001425844152	4001425844206	4001425844251	
kit: pneumatic tongue control		Delivery of set of accessories only in combination with the suitably base tongue switch.					
Item No.				84422			
EAN-No.				4001425844220			
kit: pneumatic turntable control		Delivery of set of accessories only in combination with the suitably base tongue switch.					
Item No.				84423			
EAN-No.				4001425844237			
Item No.			84301	84303	84305	84307	
EAN-No.			4001425843018	4001425843032	4001425843056	4001425843070	
	a		1240	1440	1495	1780	
	h		196	212	240	259	
	ØD		1000	1150	1150	1350	
weight/pc.	kg		40	53,2	76	200	
Chain Hoist for Tongue Switch		Delivery of set of accessories only in combination with the suitably base tongue switch.					
Item No.				84415	84420	84425	
EAN-No.				4001425844152	4001425844206	4001425844251	
kit: pneumatic turntable control		Delivery of set of accessories only in combination with the suitably base tongue switch.					
Item No.				84423			
EAN-No.				4001425844237			



Conveyor Technology

Tube Drive Systems, C-Profile

HBS-Turntable Switches

Material:

galvanized steel

Features:

This switch can also be used at crossings of a track system. The switch just gives one slide way free to pass. By a 90° turn the direction can be changed that means the way which was locked before can be passed now and allows the passing of one Transport Hanger. The other way is locked now. This switch is switchable without loading.



HBS-Turntable Switches

Material:

galvanized steel

Features:

This switch can be used at crossings. The switch just gives one slide way free. By 90° turn the direction can be changed, that means the locked pass way is free now and allows one Transport Hanger to pass. At the same time is the other pass way locked now. This switch is switchable with loading..



HBS-Insert Stations

Material:

galvanized steel

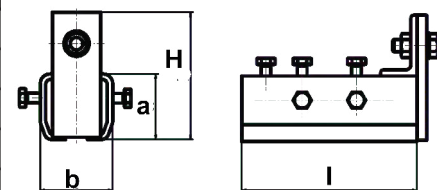
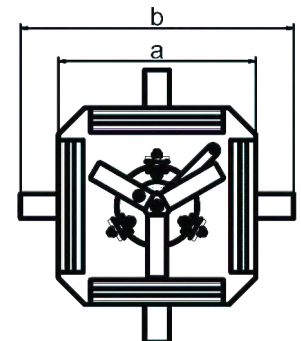
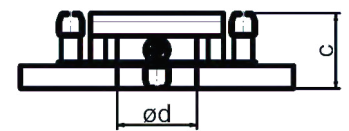
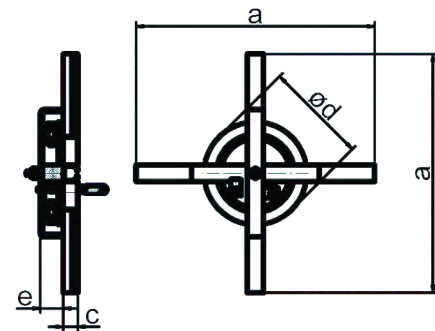
Features:

The Insert Station was designed for threading in a Transport Hanger in a conveyer system. It closes the return way to prevent that the Transport Hanger can slide out of the system unintentionally.



Follow your Track

		10	30	40	50	60	70
track		82100	82102	82104	82106	82108	82118
Item No.			84300	84302	84304	84306	
EAN-No.			4001425843001	4001425843025	4001425843049	4001425843063	
	a		662	662	750	750	
	c		35	43,5	60	75	
	e		31	31	37	37	
	ød		280	280	280	280	
weight/pc.	kg		7,225	15	31,6	36,5	
Chain Hoist for Tongue Switch		Delivery of set of accessories only in combination with the suitably base tongue switch.					
Item No.				84415	84420	84425	
EAN-No.				4001425844152	4001425844206	4001425844251	
kit: pneumatic turntable control		Delivery of set of accessories only in combination with the suitably base tongue switch.					
Item No.				84423			
EAN-No.				4001425844237			
Item No.				84297	84298	84299	
EAN-No.				4001425842974	4001425842981	4001425842998	
	a			520	520	600	
	b			720	720	850	
	c			185	200	220	
	ød			200	200	250	
weight/pc.	kg			13	49,5	25	
Chain Hoist for Tongue Switch Länge 500m+500mm		Delivery of set of accessories only in combination with the suitably base tongue switch.					
Item No.				84415	84420	84425	
EAN-No.				4001425844152	4001425844206	4001425844251	
kit: pneumatic turntable control		Delivery of set of accessories only in combination with the suitably base tongue switch.					
Item No.				84423			
EAN-No.				4001425844237			
Item No.		84064	84067	84117	84163	84208	
EAN-No.		4001425840642	4001425840673	400142584117	4001425841632	4001425842080	
	a	35	45	55	75	98	
	b	37,5	50	60	80	98	
	l	80	115	145	180	205	
	H	60	85	105	135	155	
weight/pc.	kg	0,98	0,98	1,36	2,8	4,34	



Conveyor Technology

Tube Drive Systems, C-Profile

HBS-Adjustable Brackets

for track fixing

Material:

galvanized steel

Features:

The track can be adjusted in height by the mandrel.

The distance between two brackets

has to be max. 750 mm.



HBS-Side Fixing Brackets

for one adjustable bracket

Material:

galvanized steel

Features:

The track can be adjusted in height and to the wall

by the side fixing bracket. The distance between two

brackets has to be max. 750 mm.



HBS-Clamping Pieces

for T- and double T steel steel girder

Material:

galvanized steel

Features:

One adjustable bracket can be adjusted by thread.

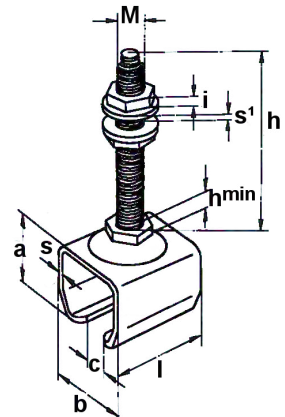
The distance between two brackets has to be max.

750 mm.

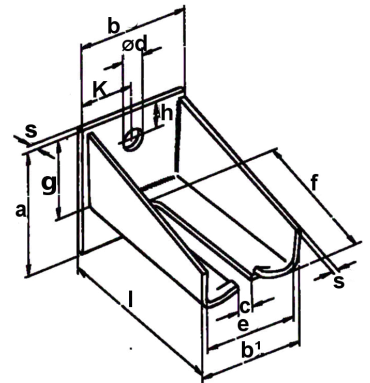


Follow your Track

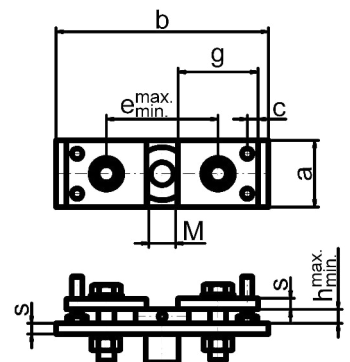
		10	30	40	50	60	70
track		82100	82102	82104	82106	82108	82118
Item No.		85190	85191	85192	85193	65018	85195
EAN-No.		4001425851907	4001425851914	4001425851921	4001425851938	4001425650180	4001425851952
	a	35	45	55	80	99	135
	b	37,5	50	60	78	102	115,5
	c	11	16	19	25	28	34
	h	80	95	95	115	100	170
	h _{min}	35	14	14	14	26	24
	i	37,5	10	10	10	15	24
	l	11	55	65	85	110	110
	s	3	4	4	5	8	10
	s ¹	2	2,5	2,5	3	3	4
thread	M	M 10	M 14	M 14	M 20	M 20	M 30
weight/pc.	kg	0,18	0,41	0,56	1,24	2,54	5,1



Item No.			85211	85212	85217
EAN-No.			4001425852119	4001425852126	4001425852171
	a		75	110	130
	b		70	80	130
	b ¹		70	80	115
	c		16,5	20,5	31
	ød		12,5	20,5	26
	e		62	68	95
	f		100	95	90
	g		70	80	80
	h		15,2	24,5	31
	k		35	40	65
	l		128	115	132
	s		4	6	10
weight/pc.	kg		0,66	1,12	3,2



Item No.		81302	81355	81381	
EAN-No.		4001425813028	4001425813554	4001425813813	
	a	50	50	50	
	b	160	160	160	
	c	7,5	7,5	7,5	
	e _{min}	64	64	64	
	e _{max}	100	100	100	
	g	55	55	55	
	h _{min}	7	7	7	
	h _{max}	30	30	30	
	s	6	8	8	
thread	M	M 10	M 14	M 20	
weight/pc.	kg	0,41	1,01	1,05	



Conveyor Technology

Tube Drive Systems, C-Profile

HBS-Wall Fixing Brackets

for track fixing at walls

Material:

galvanized steel

Features:

The distance between two brackets has to be max. 750mm.



HBS-Welding-on Brackets

for track fixing on steel constructions

Material:

ungalvanized steel

Features:

The distance between two brackets has to be max. 750mm.



HBS-Ceiling Brackets

for track fixing at the ceiling

Material:

galvanized steel

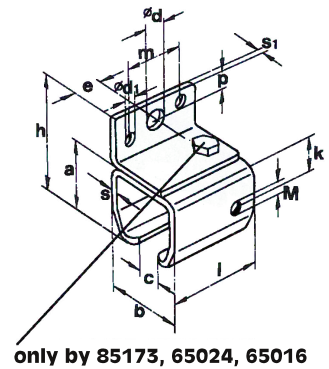
Features:

The distance between two brackets has to be max. 750mm.



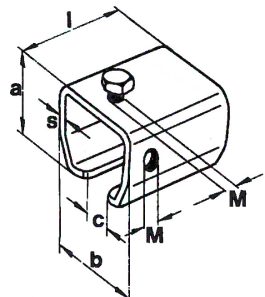
Follow your Track

		10	30	40	50	60	70
track		82100	82102	82104	82106	82108	82118
Item No.		85170	85171	85172	85173	65024	65016*
EAN-No.		4001425851708	4001425851716	4001425851721	4001425851730	4001425650241	4001425650166
	a	35	45	55	74	98	135
	b	37,5	50	60	80	97	115,5
	c	11	16,5	20	25	25	32
	∅d	10	12	12	17	20,5	26
	∅d ¹	5	6,5	8	8	10	8,5
	e	20	27	32	42	49,8	55
	h	60	74	95	125	156	204
	k	15	20	20	31,5	35	63
	l	40	55	65	85	110	110
	m	25	33	44,5	53	70	70
	p	11	12	16,5	22	25	30
	s	3	4	4	6	7	10
	s ¹	3	4	4	6	7	11
thread	M	M 6	M 8	M 8	M 8	M 10	M 12
weight/pc.	kg	0,17	0,35	0,58	1,37	2,49	4,87



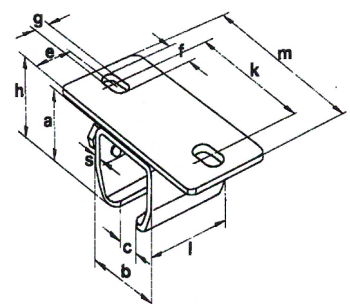
Item No.		85160	85161	85162	85163	65023	65014*
EAN-No.		4001425851600	4001425851611	4001425851624	4001425851631	4001425650234	4001425650142
	a	35	45	55	80	98	133
	b	37,5	50	60	80	102	116,5
	c	11	15	20	27	25	32
	l	40	55	66	85	110	110
	s	3	4	4	6	8	10
thread	M	M 6	M 8	M 8	M 8	M 10	M 12
weight/pc.	kg	0,1	0,23	0,39	0,97	2,1	3,3

* with extra nuts for screw locking device



Item No.		85180	85181	85182	85183	65025	65015*
EAN-No.		4001425851808	4001425851815	4001425851822	4001425851839	4001425650258	4001425650159
	a	35	45	55	75	98	136
	b	37,5	50	60	80	97	115
	c	11	16,5	20	25	28	32
	e	20	27	32,5	45	55	50
	f	17	19	21	28	30	34
	g	9	11	13	17	20,5	21
	h	38	48	58	82	106	146
	k	70	80	93	124	148	167
	l	40	54	65	82	111	110
	m	100	115	130	170	210	225
	s	3	4	4	6	8	10
weight/pc.	kg	0,19	0,41	0,75	1,8	3,9	5,25

* with extra nuts for screw locking device



Conveyor Technology

Tube Drive Systems, C-Profile

HBS-Bracket Combinations

for T- and double T beam

in version A and B available

Material:

galvanized steel

Features:

The combination has got a welded-on bracket.

The distance between two brackets has to be max. 750mm.



HBS-Track Stoppers

to fix in the track

Material:

galvanized steel; rubber buffer

Features:

The track stopper serves to limit the slide way of the hangers and to prevent that the hangers can slide off the track. Provide the track ends with transverse hole and bolt to protect the hangers.



HBS-Traverser End Stoppers, U-Profile

Material:

galvanized steel; rubber buffer

Features:

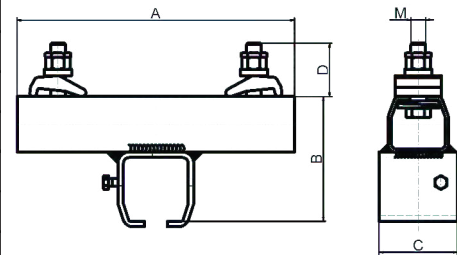
with buffer or with buffer and cable clamping plate*



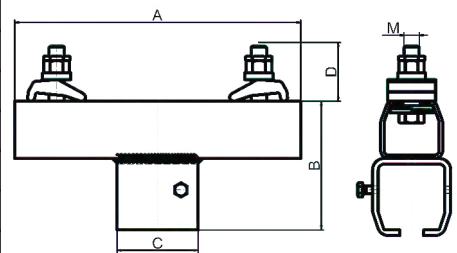
Follow your Track

		10	30	40	50	60	70
track		82100	82102	82104	82106	82108	82118
Item No.			85247	85248	85245	85246	85249
EAN-No.			4001425852478	4001425852485	4001425852454	4001425852461	4001425852492
	A		300	300	300	300	300
	B		101	111	135	150	235
	C		56	66	85	110	110
	D		60	60	55	60	60
thread	M		M 16	M 16	M 16	M 16	M 16
weight/pc.	kg		2,9	3,8	3,6	4,9	5,7
Item No.			85272	85273	85274	85275	85254
EAN-No.			4001425852720	4001425852737	4001425852744	4001425852751	4001425852546
	A		300	300	300	300	300
	B		101	111	111	150	235
	C		56	66	85	110	110
	D		60	60	60	60	60
thread	M		M 16	M 16	M 16	M 16	M 16
weight/pc.	kg		2,9	3,8	3,6	4,7	5,7

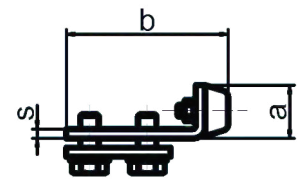
Version A



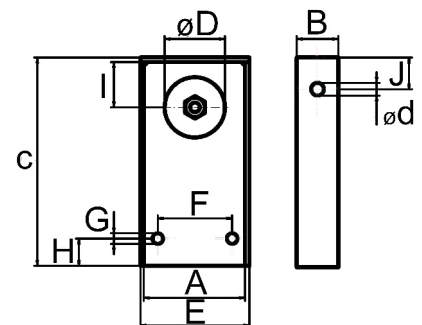
Version B



Item No.		85101	85104	85105	85106
EAN-No.		4001425851013	4001425851044	4001425851051	4001425851068
	a	22	30	46	60
	b	61	69	98	82
	s	4	5	8	8
weight/pc.	kg	0,12	0,21	0,64	M 16



Item No.			85146*	85123	85126	85147
EAN-No.			4001425851464	4001425851235	4001425851266	4001425851471
	ød		8,5	8,5	8,5	10,5
	A		49	67	81	90
	B		30	30	30	45
	C		130	130	130	130
	øD		60	60	60	60
	E		55	73	89	96
	F		37	49	49	49
	G		7	7	7	7
	H		18	18	18	18
	I		18	33	40	48
	J		18	20,5	25	43
weight/pc.	kg		0,44	0,458	0,515	0,657



Conveyor Technology

Tube Drive Systems, C-Profile

HBS-Traverser Hangers

fixed

Material:

base frame of galvanized steel, steel roles with ball bearing



HBS-Traverser Hangers

turnable

Material:

base frame of galvanized steel, steel roles with ball bearing



HBS-Lock for Traversers

movable

Material:

galvanized steel

Features:

The lock is mounted on the movable side of the traverser. The lock has got a blocking function.



HBS-Lock for Traversers

fixed

Material:

galvanized steel

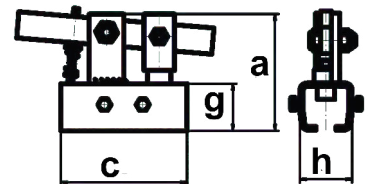
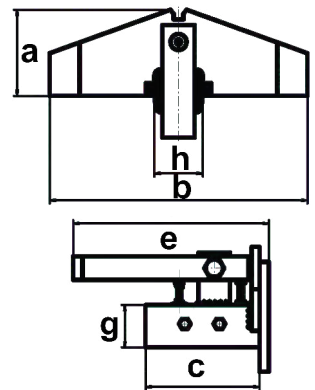
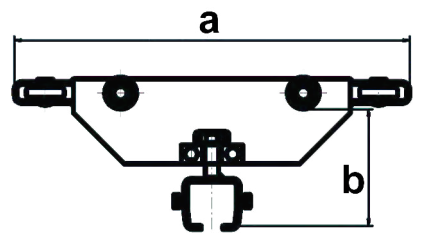
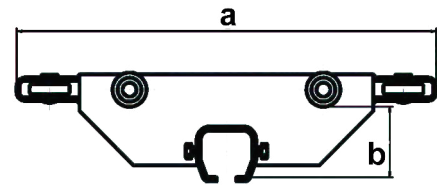
Features:

The lock is mounted on the fixed side of the traverser. The lock has got a blocking function. The sliding way is automatically unlocked, when the movable traverser appears.



Follow your Track

		10	30	40	50	60	70
track		82100	82102	82104	82106	82108	82118
max. Belastung pro Stück in kg				150	300	500	1000
Item No.				84400	84430	84460	84490
EAN-No.				4001425844008	4001425844305	400142584602	400142584909
	a			420	460	510	615
	b			70	45,5	124	165
weight/pc.	kg			2,68	5,2	9,02	16,8
max. Belastung pro Stück in kg				150	300	500	1000
Item No.				84401	84431	84461	84491
EAN-No.				4001425844015	4001425844312	4001425844619	4001425844916
	a			186	217	268	315
	b			123	148	160	229
weight/pc.	kg			2,88	5,72	9,74	18,26
Item No.				84405	84435	84466	84493
EAN-No.				4001425844053	4001425844350	4001425844664	4001425844930
	a			107	130	130	130
	b			320	320	320	320
	c			145	180	205	220
	e			249	309	309	309
	g			54	79	96	135
	h			60	77	96	115
weight/pc.	kg			3,97	4,85	6,7	11,14
Item No.				84406	84436	84467	84494
EAN-No.				4001425844060	4001425844367	4001425844671	4001425844947
	a			134	186	203	242
	c			145	180	205	220
	g			54	79	96	135
	h			60	77	96	115
weight/pc.	kg			2,01	3,1	6,6	9,9



Conveyor Technology

Tube Drive Systems, C-Profile

HBS-Clamp Brackets for flat steel

Material:

galvanized steel

Features:

The delivery is in pairs with screws and nuts included.
The distance between two brackets has to be max. 750mm.



HBS-Clamp Brackets

für T- and double-T steel beams

Material:

galvanized steel

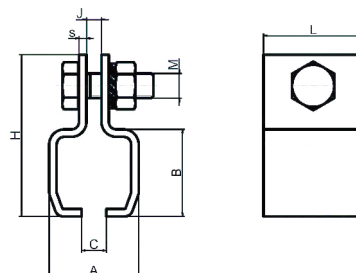
Features:

The cranked part is mounted directly to the T-beam and it clamps the track at the same time. The distance between two brackets has to be max. 750mm.
darf max. 750 mm betragen.

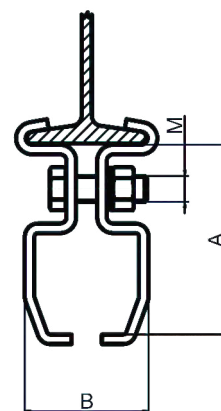


Follow your Track

		10	30	40	50	60	70
track		82100	82102	82104	82106	82108	82118
Item No.		85226	85227	85228	85229	85267	85231
EAN-No.		4001425852263	4001425852270	4001425852287	4001425852294	4001425852676	4001425852318
	A	36	48	58	76	93	112
	B	35	45	55	73	90	135
	C	10	15	20	25	25	30
	H	65	80	95	117	140	172
	J	6	8	8	10	10	10
	L	40	50	65	85	110	110
	S	3	4	5	5	7	10
thread	M	M 10	M 12	M 12	M 16	M 16	M 16
weight/pc.	kg	0,18	0,34	0,62	1,25	2,24	3,97



Item No.			85255	85259	85263	85267	
EAN-No.			4001425852553	4001425852591	4001425852638	4001425852676	
	IPN		80	80	100	140	
	IPE				80	120	
	A		69	77,5	116	135	
	B		48	57	77	94	
thread	M		M 8	M 8	M 16	M 16	
weight/pc.	kg		0,42	0,42	1,64	2,8	
Item No.			85256	85260	85264	85268	
EAN-No.			4001425852560	4001425852607	4001425852645	4001425852683	
	IPN		100	100	120	160	
	IPE		80	80	100	140	
	A		69	77,5	116	135	
	B		48	57	77	94	
thread	M		M 8	M 8	M 16	M 16	
weight/pc.	kg		0,44	0,44	1,66	2,84	
Item No.			85257	85261	85265	85269	
EAN-No.			4001425852577	4001425852614	4001425852652	4001425852690	
	IPN		120	120	140	180	
	IPE		100	100	120	160	
	A		69	77,5	116	135	
	B		48	57	77	94	
thread	M		M 8	M 8	M 16	M 16	
weight/pc.	kg		0,45	0,45	1,74	2,9	
Item No.			85258	85262	85266	85270	85271
EAN-No.			4001425852560	4001425852607	4001425852645	4001425852683	4001425852711
	IPN		140	140	160	200	200
	IPE		120	120	140	180	180
	A		69	77,5	116	135	200
	B		48	57	77	94	110
thread	M		M 8	M 8	M 16	M 16	M 16
weight/pc.	kg		0,46	0,46	1,76	2,96	5,66



Conveyor Technology

Tube Drive Systems, C-Profile

HBS-Track Strengthenener

Material:

galvanized steel

Features:

prebored for HBS-clamp brackets item no. 85226-85231, assembly on edge of track



Follow your Track

		10	30	40	50	60	70
track		82100	82102	82104	82106	82108	82118
Item No.	3m			84402	84462	84432	
EAN-No.	3m			4001425844022	4001425844626	400142584329	
Dimension				100x8	120x10	120x10	
Item No.	4m			84403	84463	84433	
EAN-No.	4m			4001425844039	4001425844633	400142584336	
Dimension				100x8	120x10	120x10	
Item No.	5m			84404	84464	84434	84492
EAN-No.	5m			4001425844046	4001425844640	4001425844343	4001425844923
Dimension				100x8	120x10	120x10	180x10
Item No.	5m					84465	84465
EAN-No.	5m					4001425844657	400142584657
Dimension						150x10	150x10
weight/m	kg			6,28	9,33	9,44	11,78/14



Conveyor Technology

Tube Drive Systems, C-Profile

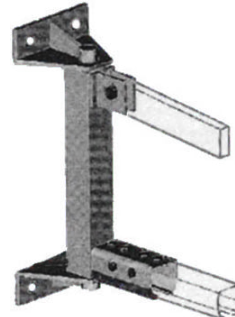
HBS-Cantilever for swivel arm

Material:

black steel, powder-coated

Features:

The cantilever is for a pull bar and for carries till 2,50 m.
The pull bar, the clamp bracket and the track are not included by delivery.



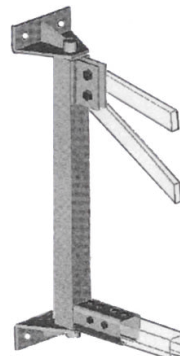
HBS-Cantilever for swivel arm

Material:

black steel, powder-coated

Features:

The cantilever is for two pull bars and for carries till 5,50 m. The pull bar, the clamp bracket and the track are not included by delivery.



synoptical table of cantliver for loading/ carries

loading in kg	carry in m								
	1,5	2	2,5	3	3,5	4	4,5	5	5,5
50	84760	84760	84761	84761	84761	84761	84761	84771	84771
75	84760	84761	84761	84761	84761	84771	84771	84771	84771
125	84760	84761	84761	84771	84771	84771	84771	84771	84781
200	84770	84770	84771	84771	84771	84771	84781	84781	84781
250	84770	84771	84771	84771	84781	84781	84781	84791	84791
300	84780	84780	84781	84781	84781	84781	84781	84791	84791
350	84780	84780	84781	84781	84781	84781	84781	84791	84791
400	84780	84781	84781	84781	84781	84791	84791	84791	84791
500	84790	84790	84790	84791	84791	84791	84791	84791	84791
600	84790	84790	84790	84791	84791	84791	84791	84791	

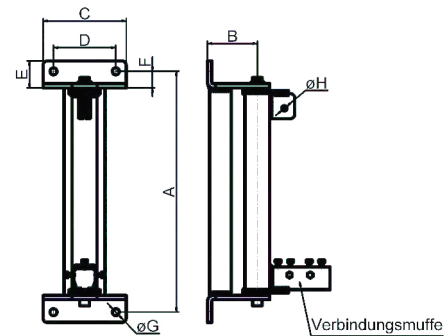
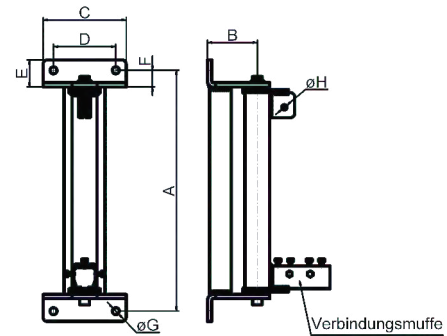
Follow your Track

		10	30	40	50	60	70
track		82100	82102	82104	82106	82108	82118
Item No.				84760	84770	84780	84790
EAN-No.				4001425847603	4001425847702	4001425847801	4001425847900
	A			580	700	730	840
	B			115	135	160	200
	C			200	250	300	350
	D			150	200	220	250
	E			65	80	110	120
	F			40	50	65	70
	ØG			17	22	25	31
	ØH			12	16	16	16
joint brackets				85202	85203	65019	85204
clamp brackets				85228	85229	85230	85231
flat steel				35x8	40x10	60x10	80x10
weight/pc.	kg			14,1	19,6	38	73

Attention: The pull bar (flat steel), the clamp bracket and the track are not included by delivery.

Item No.				84761	84771	84781	84791
EAN-No.				4001425847610	4001425847719	4001425847818	4001425847917
	A			1080	1300	1330	1340
	B			115	135	160	200
	C			200	250	300	350
	D			150	200	220	250
	E			65	80	110	120
	F			40	50	65	70
	ØG			17	22	25	31
	ØH			12	16	16	16
joint brackets				85202	85203	65019	85204
clamp brackets				85228	85229	85230	85231
flat steel				35x8	40x10	60x10	80x10
weight/pc.	kg			14,1	19,6	38	73

Attention: The pull bar (flat steel), the clamp bracket and the track are not included by delivery.



Conveyor Technology

Tube Drive Systems, C-Profile

HBS-Base Frame Cable Hangers

Material:

base frame of plastic,
plastic rollers with friction bearing

Features:

The base frame has no holder for cables.



HBS-Base Frame Cable Hangers

Material:

base frame of galvanized steel, steel roles
with ball bearing

Features:

The base frame has no holder for cables,
but can swing.



HBS-Cable Hangers

Material:

base frame and cable holder of plastic,
plastic rollers with friction bearing

Features:

The cable hanger was constructed
to transport flat cables.



100

The diagram shows a top-down view of a vehicle chassis. Dimension 'a' is the total width of the chassis, indicated by a horizontal double-headed arrow at the top. Dimension 'b' is the width of the rear axle assembly, indicated by a vertical double-headed arrow on the right side. The chassis features two large wheels at the front and a smaller central component, likely a differential or a small wheel, between them. The rear axle assembly is shown below the main chassis body.

A schematic diagram of a vehicle chassis. It shows a top-down view of the front suspension and steering components. The diagram includes a steering knuckle, a lower control arm, a lower ball joint, a lower shock absorber, and a lower spring. The dimensions are labeled as follows: 'a' is the width of the chassis, 'b' is the height of the chassis, and 'c' is the height of the lower control arm.

Conveyor Technology

Tube Drive Systems, C-Profile

HBS-Cable Hangers

Material:

base frame of galvanized steel, cable holder of plastic, steel rollers with ball bearing

Features:

The cable hanger was constructed to transport flat cables and can swing.



HBS-Cable Hangers

Material:

base frame of galvanized steel, cable holder of plastic, steel rollers with ball bearing

Features:

The cable hanger was constructed to transport flat cables.



HBS-Cable Hangers

Material:

base frame of galvanized steel, cable holder of plastic, steel rollers with ball bearing

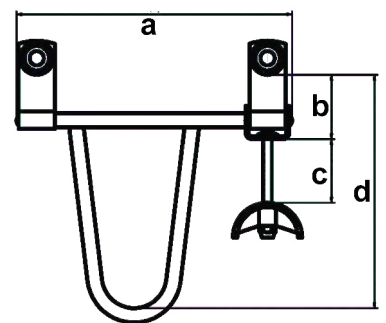
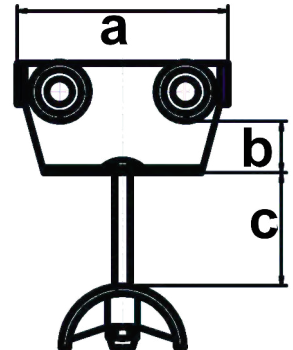
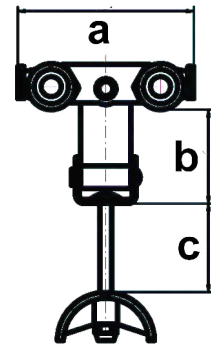
Features:

The cable hanger was constructed to transport flat cables. The other holder was constructed to transport tools and small equipment.



Follow your Track

		10	30	40	50	60	70
track		82100	82102	82104	82106	82108	82118
max. loading per piece in kg		10					
Item No.		85076					
EAN-No.		4001425850764					
	a	88					
	b	44					
	c	20					
max. cable		45x14					
weight/pc.	kg	0,26					
max. loading per piece in kg		10					
Item No.		85077					
EAN-No.		4001425850771					
	a	88					
	b	44					
	c	40					
max. cable		70x40					
weight/pc.	kg	0,27					
max. loading per piece in kg		10	15				
Item No.		84630	84631				
EAN-No.		4001425850771	4001425846316				
	a	88	80				
	b	44	17				
	c	40	40				
max. cable		70x40	70x40				
weight/pc.	kg	0,29	0,34				
max. loading per piece in kg		10	15	15	20	20	
Item No.		85072	84673	84693	84713	84733	
EAN-No.		4001425850726	4001425846733	4001425846934	4001425847139	4001425847337	
	a	195	195	195	195	195	
	b	45	42	39	32	26	
	c	40	40	40	40	40	
	d	170	170				
max. cable		70x40	70x40	75x40	75x40	75x40	
weight/pc.	kg	0,55	0,62	1,04	1,32	1,84	



Conveyor Technology

Tube Drive Systems, C-Profile

HBS-End Clamp

Material:

base frame of galvanized steel,
cable holder of plastic

Features:

The end clamp can be mounted directly into the track
and was constructed for flat cable.



HBS-Cable Hangers

Material:

base frame of plastic, cable holder of galvanized steel,
plastic rollers with friction bearing

Features:

The cable hanger was constructed for round cable of
10-25 mm diameter.



HBS-Cable Hangers

Material:

base frame, cable holder of galvanized steel, steel
rollers with ball bearing

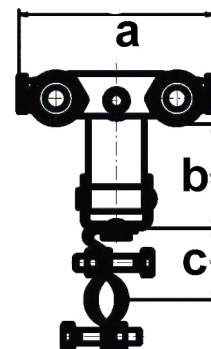
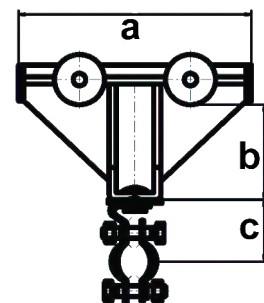
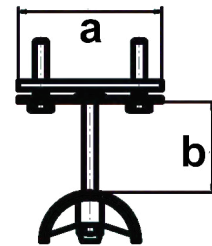
Features:

The cable hanger was constructed for round cable of
10-25 mm diameter and can swing.



Follow your Track

		10	30	40	50	60	70
track		82100	82102	82104	82106	82108	82118
max. loading per piece in kg		6	6		10		
Item No.		85252	84675		84715		
EAN-No.		4001425852522	4001425846750		4001425847153		
	a	69	69		69		
	b	20	20		20		
max. cable		45x14	45x20		45x20		
weight/pc.	kg	0,115	0,18		0,22		
max. loading per piece in kg		6	6	6	10	10	
Item No.		85073	85080	846995	84716	84735	
EAN-No.		4001425850733	4001425850801	4001425846958	4001425847160	4001425847351	
	a	70	130	130	130	130	
	b	27	53	51	42	40	
	c	34	34	34	34	34	
max. cable		Ø 25	Ø 25	Ø 25	Ø 25	Ø 25	
weight/pc.	kg	0,168	0,175	0,18	0,22	0,26	
max. loading per piece in kg		10	10				
Item No.		85074	85081				
EAN-No.		4001425850740	4001425850818				
	a	88	90				
	b	44	43				
	c	34	32				
max. cable		Ø 25	Ø 25				
weight/pc.	kg	0,26	0,33				



Conveyor Technology

Tube Drive Systems, C-Profile

HBS-Cable Hangers

Material:

base frame, cable holder of galvanized steel,
steel roles with ball bearing

Features:

The cable hanger was constructed for round cable of 10-25 mm diameter. The other holder was constructed to transport tools and small equipments.



HBS-End Clamps

Material:

base frame and cable holder of galvanized steel

Features:

The end clamp can be mounted directly into the track and was constructed for round cable 10-25mm diameter.



HBS-Cable Hanger Extender

Material:

galvanized steel

Features:

The extender can be screwed on every round cable hangers of HBS for round cables 10-25mm diameter.



HBS-Cable Hangers

Material:

base frame of galvanized steel, plastic rollers
with ball bearing

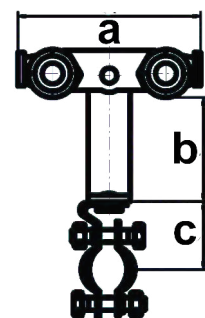
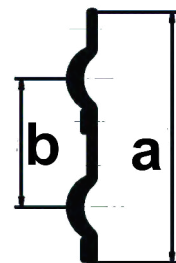
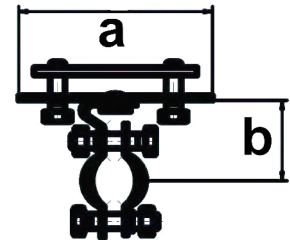
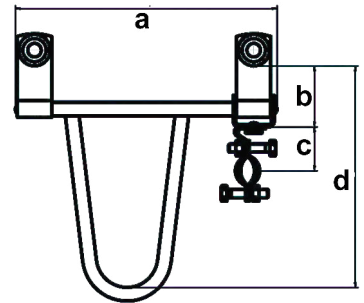
Features:

The cable hanger was constructed for compressed air cable, water cable or round cable.



Follow your Track

		10	30	40	50	60	70
track		82100	82102	82104	82106	82108	82118
max. loading per piece in kg		10	10	15	15	15	
Item No.		85070	84676	84696	84717	84736	
EAN-No.		4001425850702	4001425846767	4001425846965	4001425847177	4001425847368	
	a	195	195	195	195	195	
	b	45	42	39	32	26	
	c	34	34	34	34	34	
	d	160	157	155	147	141	
max. cable		Ø 25	Ø 25	Ø 25	Ø 25	Ø 25	
weight/pc.	kg	0,5	0,6	1	1,36	1,84	
max. loading per piece in kg		10	10		15		
Item No.		85250	84677		84718		
EAN-No.		4001425852508	4001425846774		4001425847184		
	a	69	69		69		
	b	34	34		34		
max. cable		Ø 25	Ø 25		Ø 25		
weight/pc.	kg	0,1	0,14		0,18		
Item No.			85253				
EAN-No.			4001425852539				
	a		91				
	b		47				
max. cable			Ø 25				
weight/pc.	kg		0,043				
max. loading per piece in kg		10	10	15	15	15	
Item No.		84739	84740	84741	84742	84743	
EAN-No.		4001425847391	4001425847405	4001425847412	4001425847429	4001425847436	
	a	87	90	137	156	158	
	b	53	50	47	40	34	
	c	55	55	55	55	55	
weight/pc.	kg	0,24	0,31	0,54	1,12	1,68	



Conveyor Technology

Tube Drive Systems, C-Profile

HBS-Self Closing Runners 500mm

Material:

steel in ungalvanized, partly sendzimir zincked or completely galvanized , steel rollers with ball bearing

Features:

The delivery only in pairs.



HBS-Self Closing Runners 600mm

Material:

steel in ungalvanized, partly sendzimir zincked or completely galvanized , steel rollers with ball bearing

Features:

The delivery only in pairs.



HBS-Self Closing Runners 800mm

Material:

steel in ungalvanized, partly sendzimir zincked or completely galvanized , steel rollers with ball bearing

Features:

The delivery only in pairs.



HBS-Self Closing Runners 1000mm

Material:

steel in ungalvanized, partly sendzimir zincked or completely galvanized , steel rollers with ball bearing

Features:

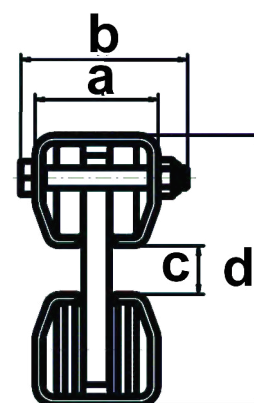
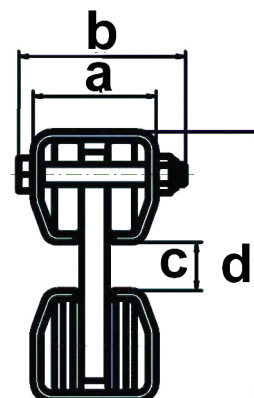
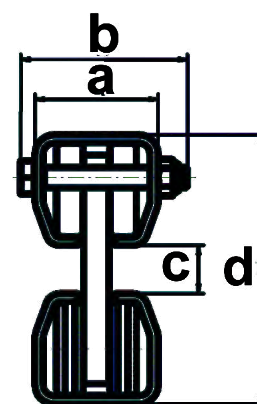
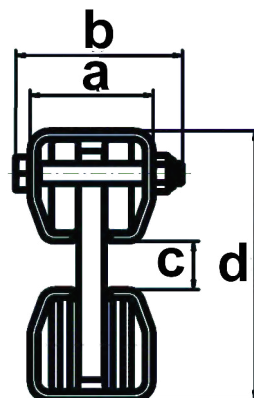
The delivery only in pairs.



Special Dimensions are possible on request!

Follow your Track

		10	30	40	50	60	70
track		82100	82102	82104	82106	82108	82118
self closing runner length 500mm							
max. loading in kg		80	200	400	750	1200	
Artikelnr.	gal.	84531	84470	84473	84476	84479	
EAN-Nr.	gal.	4001425845319	4001425846767	4001425846965	4001425847177	4001425847368	
Artikelnr.	part gal.		84471	84474	84477	84480	
EAN-Nr.	part gal.		4001425844718	4001425844749	4001425844771	4001425844803	
Artikelnr.	bare		84472	84475	84478	84481	
EAN-Nr.	bare		4001425844725	4001425844756	4001425844787	4001425844817	
Gewicht/Pair	kg	8,2	10,4	7,34	11,17	19,61	
self closing runner length 600mm							
max. loading in kg			200	400	700	1000	
Item No.	gal.		84482	84485	84488	84496	
EAN-No.	gal.		4001425844824	4001425844855	4001425844886	4001425844961	
Item No.	part gal.		84483	84486	84489	84497	
EAN-No.	part gal.		4001425844831	4001425844862	4001425844893	4001425844978	
Item No.	bare		84484	84487	84495	84498	
EAN-No.	bare		4001425844848	4001425844879	4001425844954	4001425844985	
weight/Pair	kg		3,6	8,8	13,4	23,53	
self closing runner length 800mm							
max. loading in kg			180	350	600	800	
Item No.	gal.		84499	84502	84505	84508	
EAN-No.	gal.		4001425844992	4001425845029	4001425845052	4001425845081	
Item No.	part gal.		84500	84503	84506	84509	
EAN-No.	part gal.		4001425845005	4001425845036	4001425845067	4001425845098	
Item No.	bare		84501	84504	84507	84510	
EAN-No.	bare		4001425845012	4001425845043	4001425845074	4001425845104	
weight/Pair	kg		4,8	24	35,72	31,33	
self closing runner length 1000mm							
max. loading in kg			150	300	500	700	
Item No.	gal.		84511	84514	84517	84528	
EAN-No.	gal.		4001425845111	4001425845142	4001425845173	4001425845281	
Item No.	part gal.		84512	84515	84518	84529	
EAN-No.	part gal.		4001425845128	4001425845159	4001425845181	4001425845296	
Item No.	bare		84513	84516	84519	84530	
EAN-No.	bare		4001425845135	4001425845166	4001425845197	4001425845302	
weight/Pair	kg		21	29,74	22,33	143	
	a	80	40	48	65	80	
	b	36	55	65	90	110	
	c	11	20	19	25	37	
	d	68	90	106	143	186	



Conveyor Technology

Tube Drive Systems, C-Profile

Following items are also available on request:

HBS-Track Crossing 30°

without tongue, galvanized

Typ 30 - Item No. 84366

Typ 40 - Item No. 84374

Typ 50 - Item No. 84382

Typ 60 - Item No. 84390



HBS-Track Crossing 45°

without tongue, galvanized

Typ 30 - Item No. 84367

Typ 40 - Item No. 84375

Typ 50 - Item No. 84383

Typ 60 - Item No. 84391



HBS-Track Crossing 90°

without tongue, galvanized

Typ 30 - Item No. 84368

Typ 40 - Item No. 84376

Typ 50 - Item No. 84384

Typ 60 - Item No. 84392



Conveyor Technology

Tube Drive Systems, C-Profile

Following items are also available on request:

HBS-adjustable Clamp Bracket

Typ 30 - Item No. 85239
Typ 40 - Item No. 85240
Typ 50 - Item No. 85241
Typ 60 - Item No. 85242
Typ 70 - Item No. 85243



HBS-Clamp Bracket for T- and Double-T beam, adjustable

Typ 30 - Item No. 85233
Typ 40 - Item No. 85234
Typ 50 - Item No. 85235
Typ 60 - Item No. 85236
Typ 70 - Item No. 85237



HBS-Stoppers, U-Profile

loose with buffer -
Item No. 85144 (Typ 40)

or additionally with cable plate or distribution
box plate - Item No. 85145 (Typ 40)



have a look at page 100 + 101

Conveyor Technology

Tube Drive Systems, C-Profile

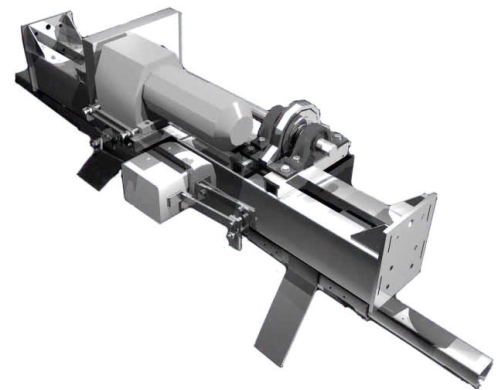
Following items are also available on request: :

Hoist Station

Standard Version

The hoist station can be integrated in every existing tube drive system for indoors.

One or several transport hangers with load can be lifted out of a track level down or up by this hoist station (please mind max. load). As soon as the defined end points are reached, the transport hangers can be put into the system again. The System is with an electromotor.



Hoist Station

Long Version

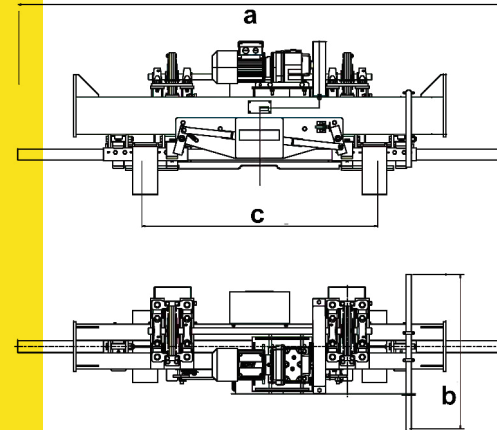
The hoist station can be integrated in every existing tube drive system for indoors.

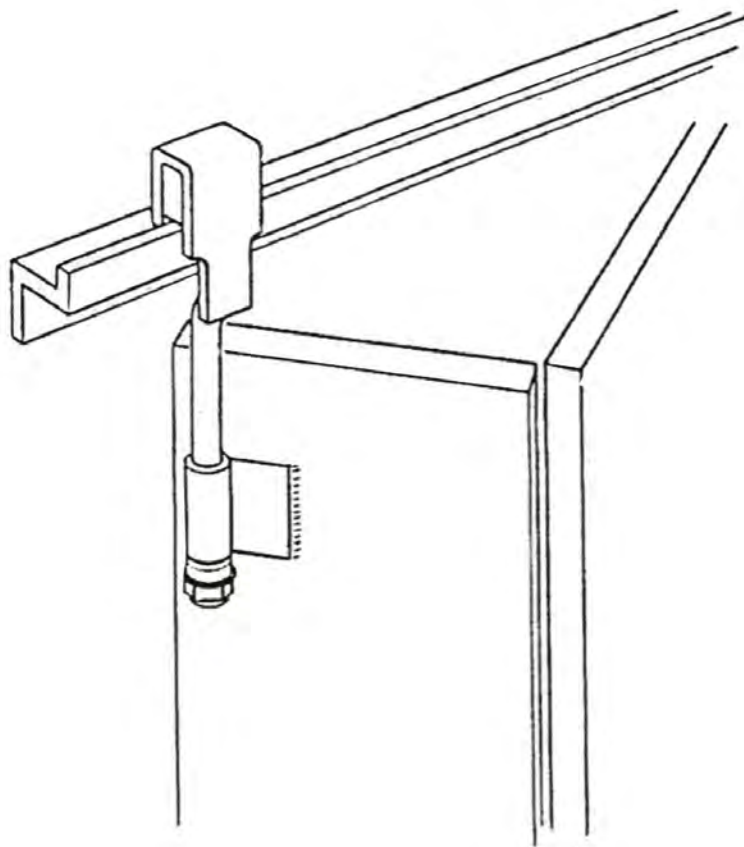
One or several transport hangers with load can be lifted out of a track level down or up by this hoist station (please mind max. load). As soon as the defined end points are reached, the transport hangers can be put into the system again. The System is with an electromotor.

Follow your Track

Following items are also available on request: :

		10	30	40	50	60	70
							
track		82100	82102	82104	82106	82108	82118
max. loading per piece in kg				150	250	500	
Item No.				84315	84316	84780	
EAN-No.				4001425843155	4001425843162	4001425847801	
	a			1950	2000	2000	
	b			480	474	472	
	c			950	1027	1000	
weight/pc.	kg			150	160	170	
max. loading per piece in kg					250	500	
Item No.					84318	84319	
EAN-No.					4001425843186	4001425843193	
	a				2500	2500	
	b				474	472	
	c				1527	1500	
weight/pc.	kg				180	200	





Folding Gates

on flat steel or in Tube Drive Systems,
C-Profiles

Table of Contents

Folding Gates - on Flate Steel or in Tube Drive Systems or, C-Profile

Folding Gate Rollers on Flate Steel	S. 126-129
Tracks, Joint Brackets	S. 130-131
Folding Gate Hangers in Tube Drive System	S. 130-133
Strap Hinges	S. 134-137
Fixing Brackets,Side Fixing Brackets,Stoppers	S. 138-143
U-Tracks, Guide Rollers	S. 144-145
Accessories: Locks, Handles	S. 146-147b

Folding Gates on flat steel

HBS-Rhineland-Folding Gate Rollers

for manually operated wood and steel gates

Material:

bracket and welded-on spindle of galvanized steel;
steel rollers with grooved ball bearing

Features:

The roller is weather protected. The folding gate roller has got a well-designed construction and a easy slide. It consists of a compression ball bearing above the nut.

Replacement compression ball bearing Item.No.

87122



HBS-Compression Ball Bearings

for Rhineland-Folding Gate Rollers

Material:

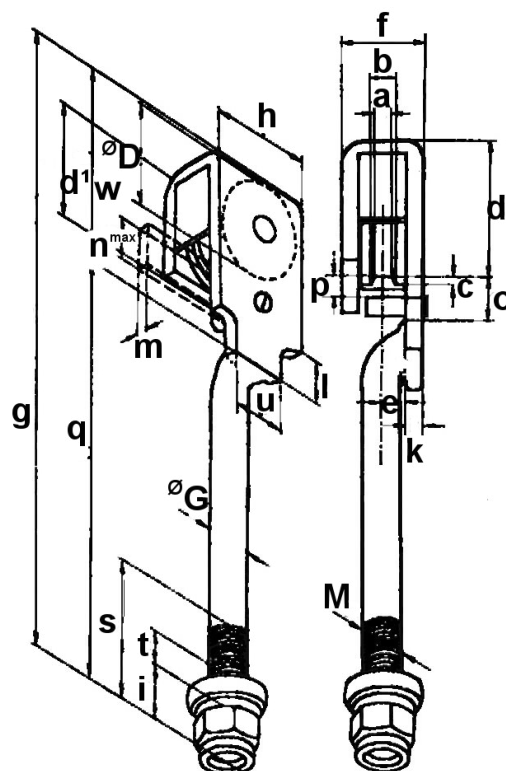
galvanized steel

Features:

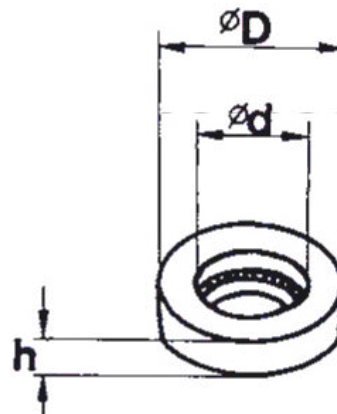
The compression ball bearings are oiled.



flat steel in mm		45x10	20x10
max. loading per piece in kg		300	350
Item No.		61006	61008
EAN-No.		4001425610061	4001425610085
	a	13	13
	b	15	15
	c	6	6
	d	73	68
	d'	79	79
	e	19	14
	f	58	48
	g	369	380
	h	70	70
	i	22	22
	k	10	10
	l	20	18,5
	m	10	10
	n ^{max}	45	22
	o	50	43
	p	-	22,7
	q	210	238
	s	60	60
	t	15	15
	u	38	38
	w	150	140
	∅D	60	60
	∅G	23	22
thread	M	M 22	M 22
Weight/pc.	kg	2,59	2,57



Item No.		87120	87121	87122	87123
EAN-No.		4001425871202	4001425871219	4001425871226	4001425871233
	∅d	16	20	23	26
	h	9	10	12	12,5
	∅D	27	33	44	44
Weight/pc.	kg	0,019	0,029	0,07	0,065



Folding Gates

on flat steel

HBS-Rhineland-Folding Gate Rollers

for manually operated wood and steel gates

Material:

bracket and welded-on spindle of galvanized steel; steel rollers with tapered ball bearing or steel rollers with ball bearing*

Features:

The roller is weather protected. The folding gate roller has got a well-designed construction and a easy slide. It consists of a compression ball bearing above the nut.

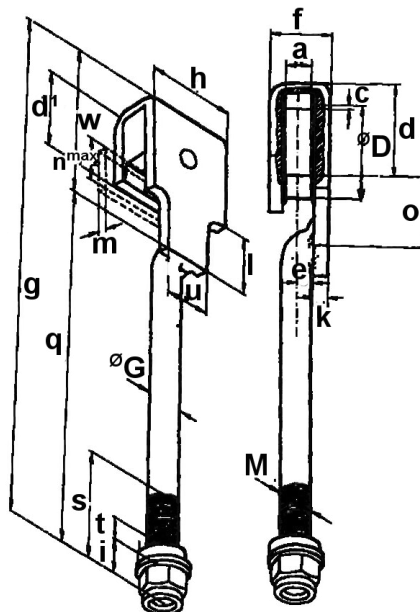
Replacement compression ball bearing Item.No.

87120, 87121, 87122, 87123



flat steel in mm		35x8	40x10	40x10	40x10	40x10	40x10	40x10	12x35
max. loading per piece in kg		120	200	250	350	350	350	500	700
Item No.		61010*	61012	61014	61016	61018	61020	61022	61024*
EAN-No.		4001425610108	4001425610122	4001425610146	4001425610160	4001425610184	4001425610207	4001425610221	4001425610245
a		9	13	13	13	13	13	13	13
c		3,5	2,5	2,5	2,5	2,5	2,5	2,5	2
d		45	54	54	54	54	54	58	53
d'		50	62	62	62	62	62	67	62
e		9,5	11	11	11	11	11	11	9,5
f		38	42	42	42	42	42	52	53
g		314	380	380	380	380	340	390	380
h		50	70	70	70	70	70	70	80
i		16,5	16,5	19,5	22	22	22	27	22
k		10	10	10	10	10	10	15	16
l		28	47	47	47	47	47	35	50
m		8	10	10	10	10	10	10	12
n		35	40	40	40	40	40	45	35
o		65	77,5	76,5	77,5	76,5	78,5	79,5	72,5
q		205	250	250	250	250	210	250	250
s		65	65	65	65	65	65	65	70
t		12	12	13	15	15	15,5	15,5	15,5
u		38	38	38	38	38	38	48	40
w		106	130	130	130	130	130	140	130
ØD		35	45	45	45	45	45	45	39
ØG		16	16	20	22	23	23	26	23
thread	M	M 16	M 16	M 20	M 22	M 22	M 22	M 27	M 22
Weight/pc.	kg	1,11	1,73	1,98	2,21	2,26	2,14	3,27	2,87

*with ball bearing



Folding Gate Hangers in Tube Drive Systems

HBS-Tracks

Material:

Steel, sendzimir zincked
Zink-Magnesium (ZM)

Features:

Standard length 6m, 3m, 2m

HBS-Tracks ungalvanized (bare) on catalogue sides 4-5



HBS-Verbindungsmuffen

Material:

galvanized steel

Features:

fast assembly because of screwing together



HBS-Folding Gate Hangers

for manually operated steel gates

Material:

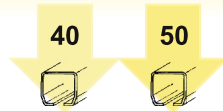
base frame of galvanized malleable iron, steel
rollers with ball bearing, galvanized steel guide
rollers with friction bearing and spindle of
galvanized steel

Features:

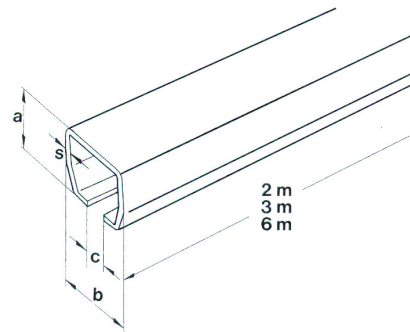
The hanger has got a easy slide and is delivered
with an additional compressed ball bearing over
the nut.



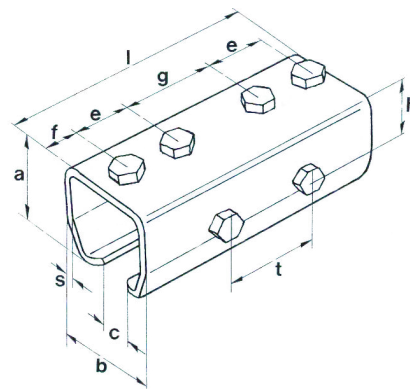
Follow your Track



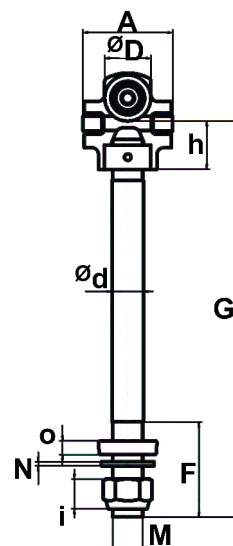
track		82104	82106
Item No.	2m	82122	82163
	3m	82123	82137
	6m	82104	82106
EAN-No.	2m	4001425821221	4001425821634
	3m	4001425821238	4001425821375
	6m	4001425821047	4001425821061
	a	43,5	60
	b	48,5	65
	c	15	18
	s	3,2	3,8
Weight	kg/m	3,45	5,39



Item No.		85202	85203
EAN-No.		4001425852027	4001425852034
	a	55	75
	b	60	80
	c	19	25
	e	28	50
	f	24	18
	g	40	45
	h	19	32
	l	145	180
	s	4	6
	t	50	45
Weight/pc.	kg	0,82	2,04



Item No.		65027	
max. loading per piece in kg		150	
EAN-No.		4001425650272	
	ød	23	
	h	35	
	i	22	
	o	12	
	A	65,5	
	øD	34	
	F	70	
	G	291	
	N	3	
thread	M	M 22	
Weight/pc.	kg	1,34	



Folding Gate Hangers in Tube Drive Systems

HBS-Folding Gate Hangers

Material:

base frame, welded-on spindle and rollers of galvanized steel with fitted precision deep groove ball bearings

Features:

The hanger has got a easy slide and is delivered with an additional compressed ball bearing over the nut.



HBS-Folding Gate Hangers

Material:

base frame, welded-on spindle and rollers of galvanized steel with fitted precision deep groove ball bearings

Features:

The hanger has got a easy slide and is delivered with an additional compressed ball bearing over the nut.

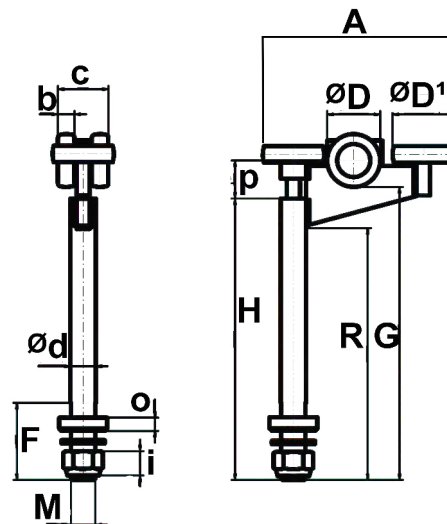
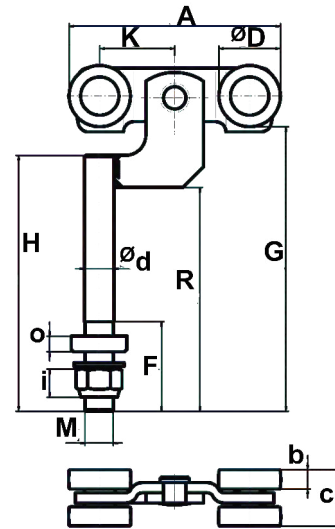


Follow your Track



track		82104	82106	82106
max. loading per piece ein kg			350	
Item No.			65034	
EAN-No.			4001425650340	
	b		15	
	c		44	
	ød		23	
	i		22	
	o		15	
	A		165	
	øD		48	
	F		70	
	G		222	
	H		200	
	R		175	
	K		58,5	
thread	M		M 22	
Weight/pc.	kg		2,19	

max. loading per piece in kg			300	300
Item No.			65032	65033
EAN-No.			4001425650326	4001425650333
	b		15	15
	c		44	44
	ød		23	23
	i		22	22
	o		15	15
	p		34	34
	A		174,5	160,5
	øD		48	48
	øD ¹		55,5	55,5
	F		65	65
	G		265	199
	H		255	187
	R		230	156
thread	M		M 22	M 22
Weight/pc.	kg		2,16	2,07



Folding Gate Hangers

Accessories

HBS-Strap Hinges

with brass bearing bush

Material:

strap hinges of galvanized steel,
bearing bushes of brass

Features:

The strap hinge was constructed for folding gate rollers and hangers (see table).



HBS-Strap Hinges

with brass bearing bush

Material:

strap hinges of galvanized steel,
bearing bushes of brass

Features:

The strap hinge is cranked and perforated. It was constructed to screw on for folding gate hangers (65027, 65032, 65033, 65034, 61018, 61020, 61024).



HBS-Threepart Strap Hinges

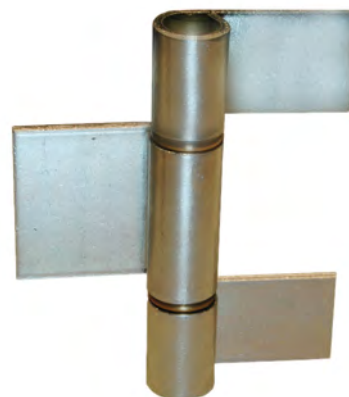
for folding gate hangers

Material:

straps of galvanized steel,
spacer rings of brass

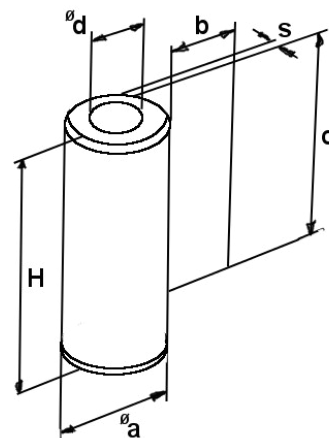
Features:

the threepart strap hinge has got two HBS-brass spacer and was constructed to hold the spindle of folding gate hangers (65032, 61018, 61024).

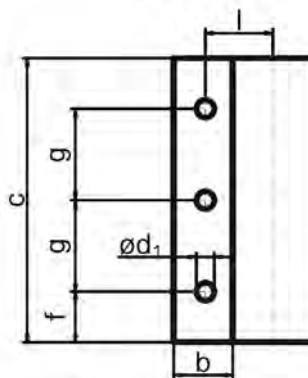
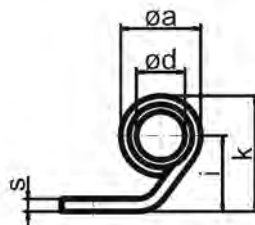


Please bear in mind compression ball bearings on page 126!

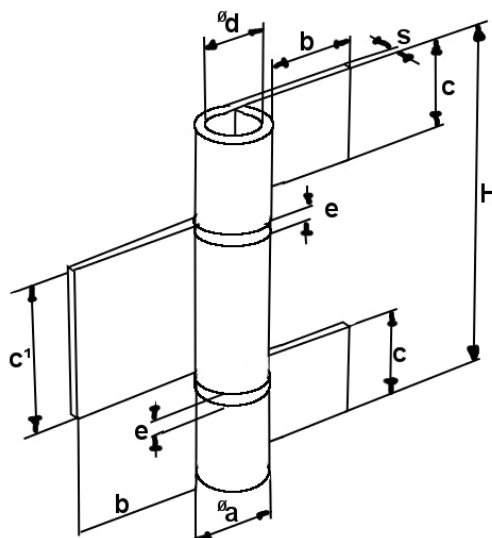
suitable for item-No.		61010 61012	61014	61016	61018 61020 61024 65027 65032-34	61014
Item No.		64017	64018	64019	64020	64021
EAN-No.		4001425640174	4001425640181	4001425640198	4001425640204	4001425640211
	$\varnothing a$	38	38	44,5	44,5	44,5
	b	50	50	55	50	60
	c	120	120	120	120	120
	$\varnothing d$	16	20	22	23	26
	s	5	5	6	6	6
	H	130	130	130	130	160
Weight/pc.	kg	0,91	0,9	1,2	1,21	1,47



Item No.		65028
EAN-No.		4001425650289
	$\varnothing a$	40
	b	26
	c	135
	$\varnothing d$	23,5
	$\varnothing d_1$	8,5
	f	24
	g	43,5
	i	36
	k	56
	l	32
	s	6
Weight/pc.	kg	1,06



Item No.		87110
EAN-No.		4001425871103
	$\varnothing a$	34
	b	60
	c	50
	c^1	80
	$\varnothing d$	24
	e	5
	s	5
	H	190
Weight/pc.	kg	1,15



Folding Gate Hangers

Accessories

HBS-Brass Spacer

Material:

brass

Features:

The brass spacer was constructed to use it with the HBS-strap hinges.



HBS-Konstruktionsbänder

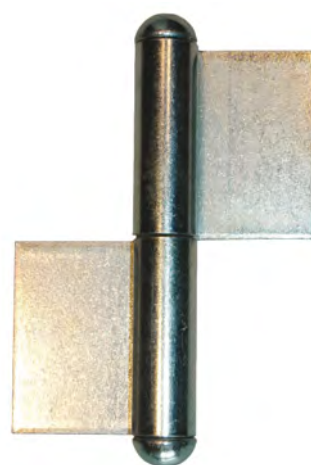
für Stahltore, rechts und links verwendbar

Material:

galvanized steel

Features:

Die Stiftlänge des Konstruktionsbandes ist ausreichend für den Einsatz von einem HBS-Messingring



HBS-Konstruktionsbänder

dreiteilig, für Stahltore, rechts und links verwendbar

Material:

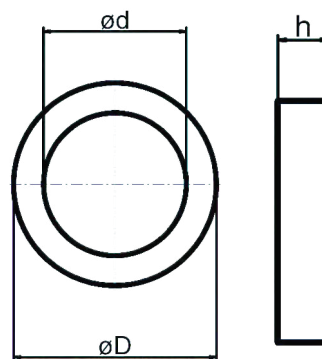
galvanized steel

Features:

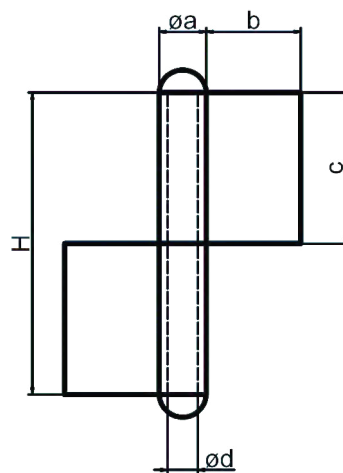
Die Stiftlänge des Konstruktionsbandes ist ausreichend für den Einsatz von zwei HBS-Messingringen



Item No.		87130	87131	87132	87133
EAN-No.		4001425871301	4001425871318	4001425871325	4001425871332
	$\varnothing d$	14	16	20	23
	h	4	4	4	5
	$\varnothing D$	24	26	28	33
Weight/pc.	kg	0,01	0,01	0,01	0,02

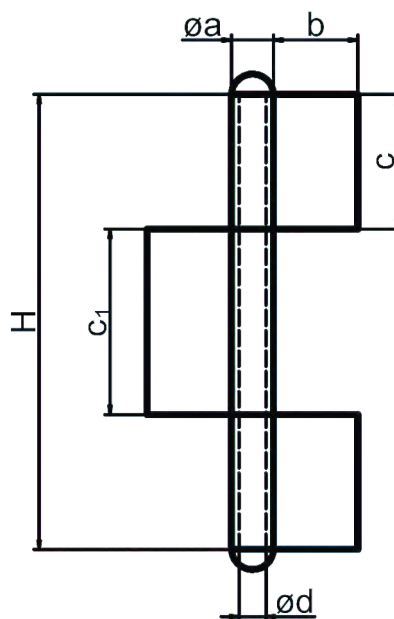


Item No.		87100	87102
EAN-No.		4001425871004	4001425871028
	$\varnothing a$	26	26,5
	b	50	50
	c	80	90
	$\varnothing d$	16	16,5
	s	5	5
	H	160	180
Weight/pc.	kg	1,1	1,22



material thickness = s

Item No.		87108
EAN-No.		4001425871080
	$\varnothing a$	26
	b	50
	c	70
	c'	100
	$\varnothing d$	16
	s	5
	H	240
Weight/pc.	kg	1,6



material thickness = s

Folding Gates

Accessories for Tube Drive Systems

HBS-Welding-on Brackets

for track fixing on steel constructions

Material:

ungalvanized steel

Features:

The distance between two brackets has to be max. 750mm.



HBS-Ceiling Brackets

for track fixing at the ceiling

Material:

galvanized steel

Features:

The distance between two brackets has to be max. 750mm.



HBS-Wall Fixing Brackets

for track fixing at walls

Material:

galvanized steel

Features:

The distance between two brackets has to be max. 750mm.

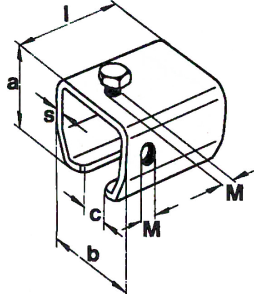


Follow your Track

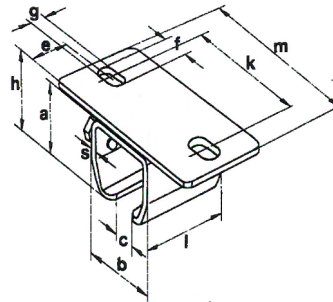
40

50

Track		82104	82106
Item No.		85162	85163
EAN-No.		4001425851624	4001425851631
	a	55	77
	b	60	80
	c	20	25
	l	66	85
	s	4	6
thread	M	M 8	M 8
Weight/pc.	kg	0,39	0,97

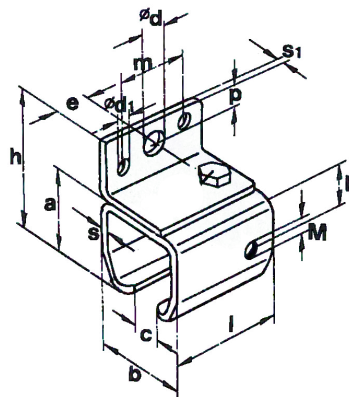


Item No.		85182	85183
EAN-No.		4001425851822	4001425851839
	a	55	77
	b	60	80
	c	20	25
	e	32,5	45
	f	21	28
	g	13	17
	h	58	82
	k	93	124
	l	65	82
	m	130	170
	s	4	6
Weight/pc.	kg	0,75	1,8



Item No.		85172	85173*
EAN-No.		4001425851723	4001425851730
	a	55	77
	b	60	80
	c	20	25
	Ød	12	17
	Ød ¹	8	8
	e	32	42
	h	95	125
	k	20	31,5
	l	65	85
	m	44,5	53
	p	16,5	22
	s	4	6
	s ¹	4	6
thread	M	M 8	M 8
Weight/pc.	kg	0,58	1,37

* with extra nuts for screw locking device



Folding Gates

Accessories for Tube Drive Systems

HBS-Adjustable Brackets

for track fixing

Material:

galvanized steel

Features:

The track can be adjusted in height by the mandrel.
The distance between two brackets has to be max. 750 mm.



HBS-Side Fixing Brackets

for one adjustable bracket

Material:

galvanized steel

Features:

The track can be adjusted in height and to the wall by the elongated hole. The distance between two brackets has to be max. 750 mm.



HBS-Side Fixing Brackets

for one adjustable bracket

Material:

galvanized steel

Features:

The track can be adjusted in height and to the wall by the side fixing bracket. The distance between two brackets has to be max. 750 mm.

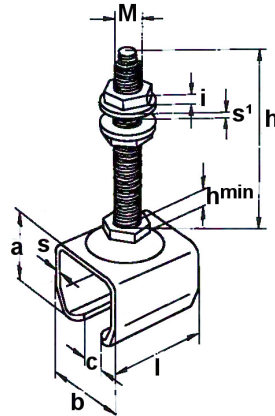


Follow your Track

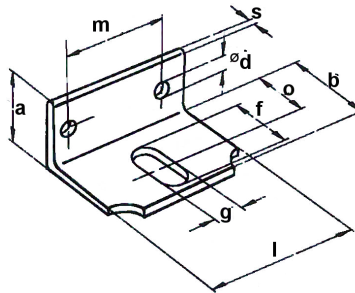
40

50

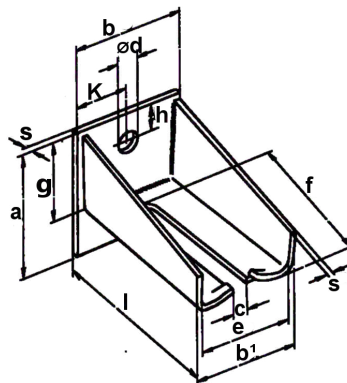
Item No.		85192	85193
EAN-No.		4001425851921	4001425851938
a		55	80
b		60	78
c		19	25
h		95	115
h _{min}		14	14
i		10	10
l		65	85
s		4	5
s'		2,5	3
thread	M	M 14	M 20
Weight/pc.	kg	0,56	1,24



Item No.		85222	81376
EAN-No.		4001425852225	4001425813769
a		50	70
b		70	90
ød		10,5	12
f		34	40
g		14	20,5
l		90	100
m		59,5	69,5
o		43	52
s		6	8
Weight/pc.	kg	0,43	0,79



Item No.		85211	85212
EAN-No.		4001425852119	4001425852126
a		75	110
b		70	80
b'		70	80
c		16,5	20,5
ød		12,5	20,5
e		62	68
f		100	95
g		70	80
h		15,2	24,5
k		35	40
l		128	115
s		4	6
Weight/pc.	kg	0,26	0,79



Folding Gates

Accessories for Tube Drive Systems

HBS-Wall Fixing Brackets

with cranked screw-on sheet

for track fixing at walls

Material:

galvanized steel

Features:

The distance between two brackets has to be max. 750 mm.



HBS-Track Stoppers

to fix in the track

Material:

galvanized steel; rubber buffer

Features:

The track stopper serves to limit the slide way of the hangers and to prevent that the hangers can slide off the track.

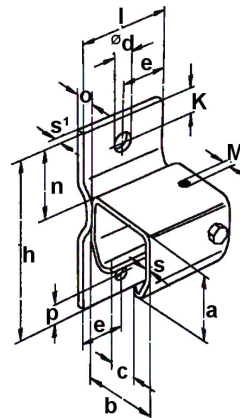


Follow your Track

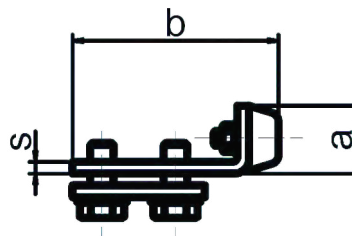
40

50

Track		82104	82106
Item No.		65029	
EAN-No.		4001425650296	
	a	55	
	b	60	
	c	20	
	Ød	13	
	e	35	
	h	140	
	l	70	
	n	39	
	o	14	
	p	15	
	s	4,5	
	s¹	6	
	K	20	
thread	M	M 8	
Weight/pc.	kg	0,87	



Item No.		85104	85105
EAN-No.		4001425851044	4001425851051
	a	30	46
	b	69	98
	s	5	8
Weight/pc.	kg	0,21	0,64



Folding Gates

Accessories for Tube Drive Systems

HBS-Guide U-Tracks

for sliding doors and gates

Material:

sendzimir (hot-dip) galvanized

Features:

standard length 6m, 3m and 2m



HBS-Guide Rollers

to screw-on

Material:

galvanized steel; rollers of plastic* or brass

Features:

friction bearing



*plastic

HBS-Guide Rollers

to screw-on

Material:

axle and nuts of steel,
rollers of polyamide

Features:

friction bearing



HBS-Guide Rollers

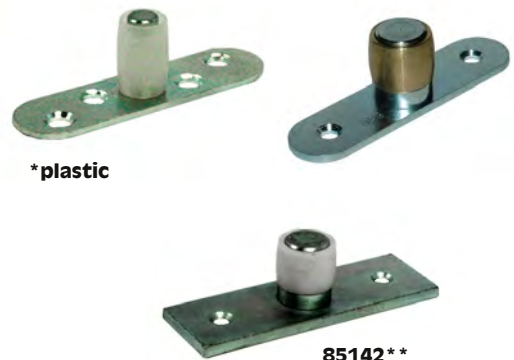
on screw-on plate

Material:

screw-on plate of galvanized steel, rollers of
plastic* or brass

Features:

friction bearing



*plastic

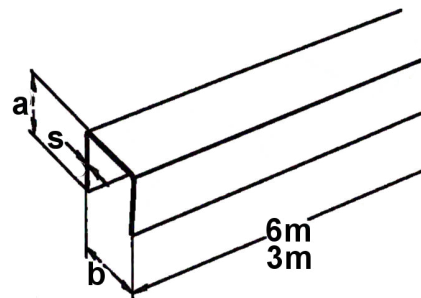
85142**

Hint: You can find more guide rollers on page 236.

Follow your Track

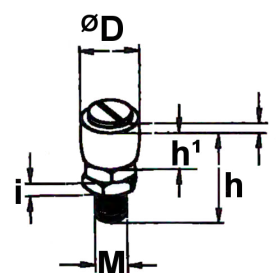


Guide Track		82110	82112	82114
Item No.	6m	82110	82112	82114
	3m	82008	82140	
EAN-No.	6m	4001425821108	4001425821122	4001425821145
	3m	4001425820083	4001425821405	
	a	25	30	50
	b	17	30	60
	s	1,25	1,5	3
Weight	kg/m	0,65	0,96	3,53

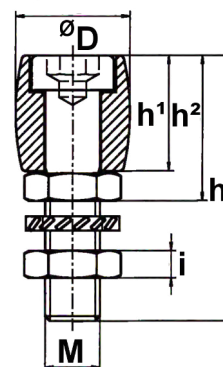


Item No.		85132*	85133	
EAN-No.		4001425851327	4001425851334	
	ØD	13,5	24	
	h	64	48	
	h¹	20	18	
	i	5	7	
	l	3	2	
thread	M	M 6	M 14	
Weight/pc.	kg	0,01	0,12	

*plastic

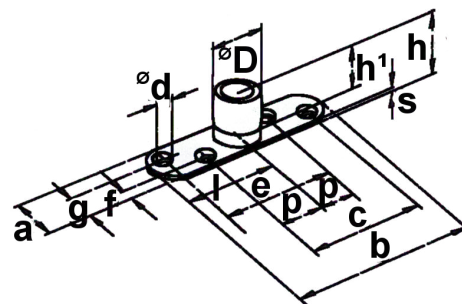


Item No.			85139	
EAN-No.			4001425851396	
	ØD		25	
	h		57,5	
	h¹		25	
	h²		31,5	
	i		6	
thread	M		M 12	
Weight/pc.	kg		0,10	



Item No.		81171*	85134	85136	85130*
EAN-No.		4001425811710	4001425851341	4001425851365	4001425851303
Special Design				85142**	
EAN-No.				4001425851426	
	ØD	13	24	24	50
	a	20	25	35	50
	b	74	100	110	100
	c	40	70	76	76
	Ød	6	6	6	10,5
	e	40	-	-	-
	f	5,5	12,5	17,5	25
	g	12,5	18	-	26
	h	23	28,5	31	48
	h¹	-	18	18	26
	l	37	50	55	50
	p	13	-	-	-
	s	2	3	5	5
Weight/pc.	kg	0,02	12	0,23	0,35

*plastic



Folding Gates

Accessories for Tube Drive Systems

HBS-Folding Gate-Latch

to screw on

Material:

galvanized sheet steel

brass rivet axis

Features:

The latch was constructed to take along back-to-back folded gate leafs and is easy to assemble.



HBS-Folding Gate Bolt Lock

with lateral handle

Material:

casing and eccentric level of galvanized steel,
handle of galvanized malleable iron

Features:

The lock is delivered without rods.



illustration right

HBS-Rod Guide Loops

for HBS-folding gate-latch

Material:

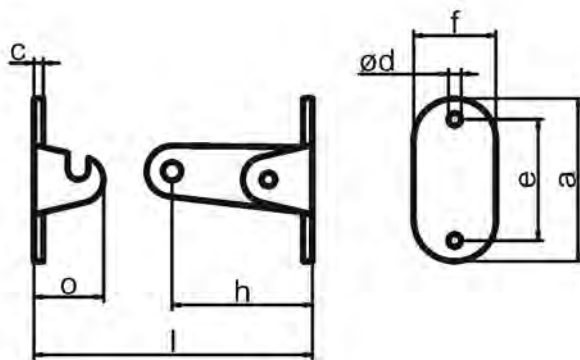
galvanized steel

Features:

with base plate to screw on



Item No.		87111
EAN-No.		4001425871110
	a	70
	c	4
	ød	6
	e	52,5
	f	35
	h	62
	l	80
	o	30
Weight/pc.	kg	0,31



Item No.		87146	87147	87118	87117
EAN-No.		4001425871462	4001425871479	4001425871189	4001425871172
		left	right	left	right
bar dimensions		25 x 8	25 x 8	30 x 10	30 x 10
lift		30	30	40	40
	a	165	165	210	210
	b	60	60	70	70
	c	22,5	22,5	25	25
	h	28	28	31	31
	i	10	10	11	11
	l	76	76	95	95
	r	185	185	195	195
Weight/pc.	kg	0,88	0,88	1,3	1,3

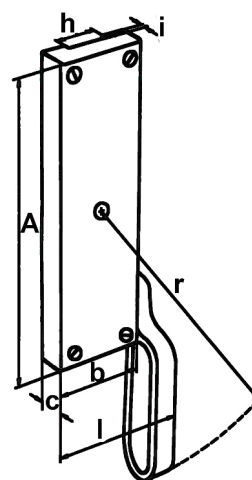
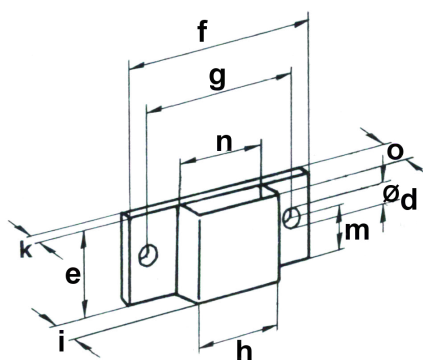


illustration right

Item No.		87148	87148	87119	87119
EAN-No.		4001425871462	4001425871462	4001425871189	4001425871189
bar dimensions		25 x 8	25 x 8	30 x 10	30 x 10
	ød	6,2	6,2	6,2	6,2
	e	30	30	30	30
	f	70	70	70	70
	g	54,5	54,5	54,5	54,5
	h	27	27	32	32
	i	9	9	9	11
	k	5	5	5	5
	m	15	15	15	15
	n	31	31	36	36
	o	14	14	14	16
Weight/pc.	kg	0,09	0,09	0,09	0,09



Folding Gates

Accessories for Tube Drive Systems

HBS-Ground Bolt

Material:

bolt and screw on plate of galvanized steel or bolt of galvanized steel and weld-on sleeve of ungalvanized steel*

Features:

The lift is 93mm. The assembly is easy and the ground bolts are adjustable.



HBS-Guide Loops

to screw-on

Material:

galvanized steel



HBS-Ground Plate

to screw on

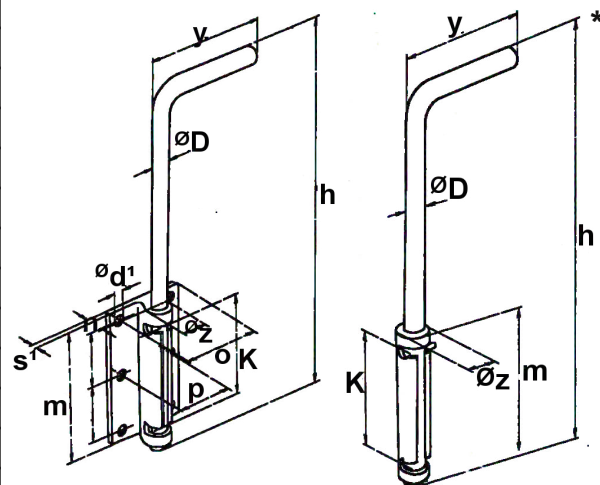
Material:

galvanized steel

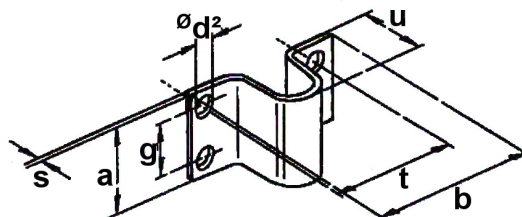


Item No.		85300	85302	85301*	85303*
EAN-No.		4001425853000	4001425853024	4001425853017	4001425853031
	$\varnothing d^1$	6,5	6,5	-	-
	h	311	500	300	550
	l	50	50	-	-
	m	120	120	120	120
	n	17,5	25	-	-
	o	66	66	-	-
	p	46	46	-	-
	s ¹	5	5	-	-
	y	93	90	90	90
	$\varnothing z$	18	20	18	20
	$\varnothing D$	14	16	14	16
	K	93	90	93	93
Weight/pc.	kg	0,87	1,35	0,6	1,2

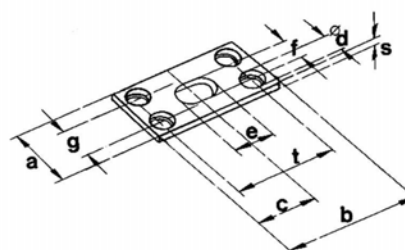
*to weld-on



for Item No.		85300 85301	85302 85303
Item No.		85304	85305
EAN-No.		4001425853048	4001425853055
	a	35	35
	b	66	66
	$\varnothing d^2$	5,5	6,1
	g	20	20
	s	3	3
	t	52	42
	u	29	32
Weight/pc.	kg	0,07	0,08



for Item No.		85300 85301	85302 85303
Item No.		85306	85307
EAN-No.		4001425853062	4001425853079
	a	35	35
	b	66	66
	c	33	33
	$\varnothing d$	7,5	7,5
	e	17,5	19,5
	f	14,5	16,5
	g	20	20
	s	3	3
	t	50	50
Weight/pc.	kg	0,04	0,04



Folding Gates

Accessories for Tube Drive Systems

HBS-Door Handles

Material:

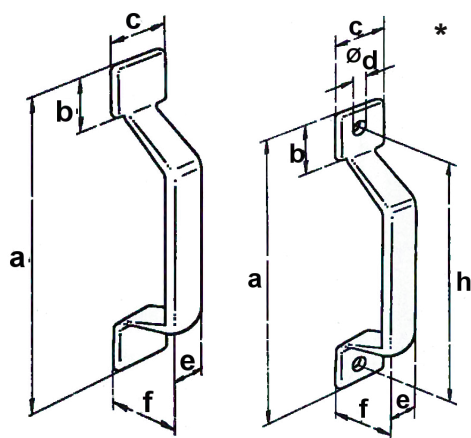
steel, ungalvanized or galvanized*

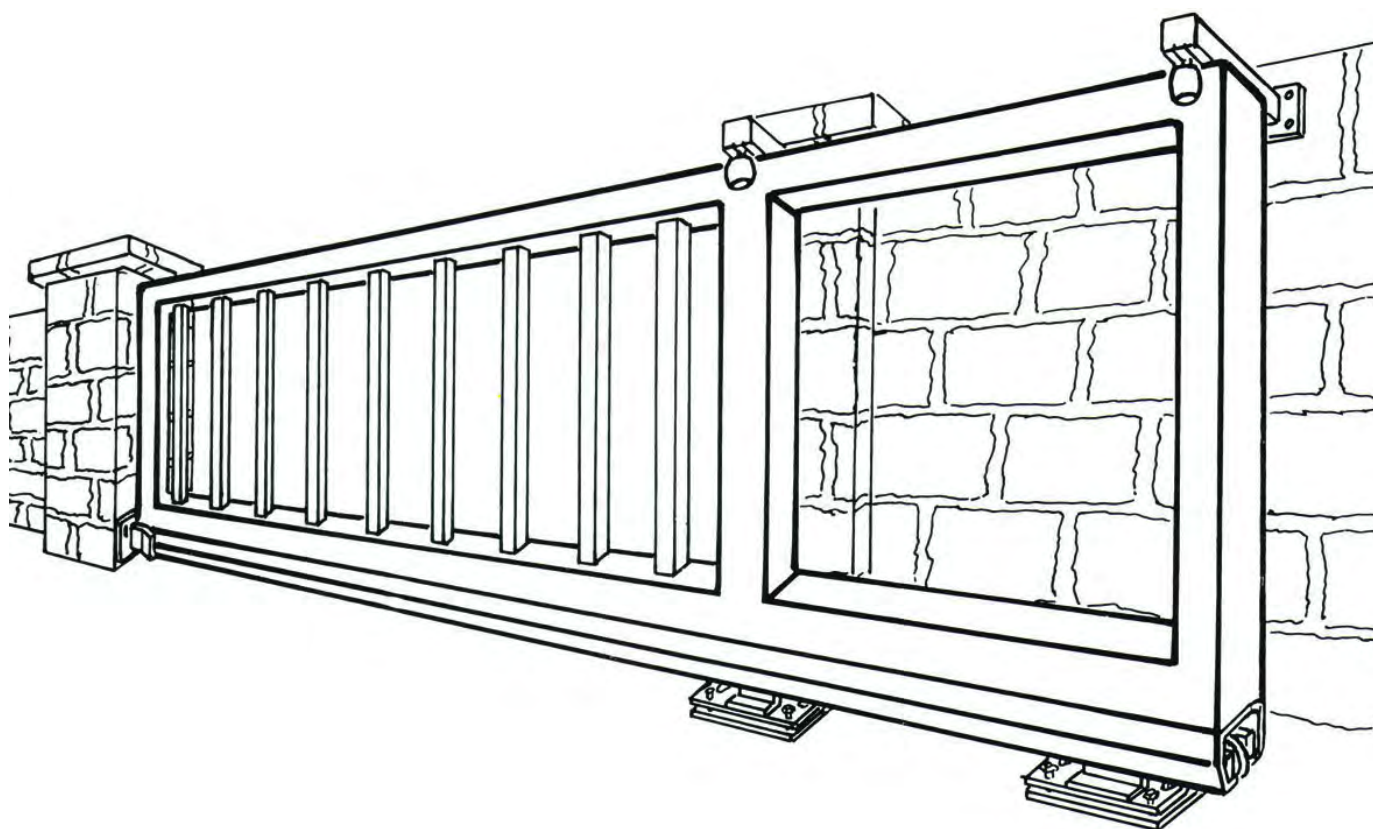
Features:

The handle is available in two versions:
unperforated, ungalvanized* - to weld on
or perforated and galvanized - to screw on*



Item No.		87001	64011
EAN-No.		4001425870014	4001425640112
	a	200	200
	b	32	31
	c	35	35
	Ød	-	8,5
	e	23	22
	f	47	47
	h	-	173
Weight/pc.	kg	0,48	0,48





Cantilever Gate Systems

Sliding Door Systems, C-Profile

Table of Contents

Cantilever Gate Systems - Sliding Door Systems, C-Profile

Track, U-Tracks	pp. 150-151
Hangers	pp. 152-153
Gate Catcher Bracket, End Rollers	pp. 154-155
Guide Rollers	pp. 156-159
Easy-Slide	pp. 160-161

Cantilever Gate Systems

Sliding Door Systems, C-Profile



HBS-Tracks

Material:

steel, sendzimir zincked
zinc-magnesium (ZM) or stainless steel AISI304

Features:

standard length 6m, 3m, 2m



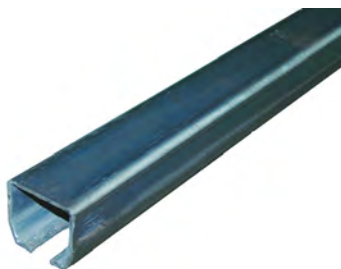
HBS-Tracks

Material:

Steel, unzincked

Features:

standard length 6m, 3m, 2m



HBS-U-Tracks

Material:

steel, sendzimir zincked

Features:

standard length 6m, 3m, 2m

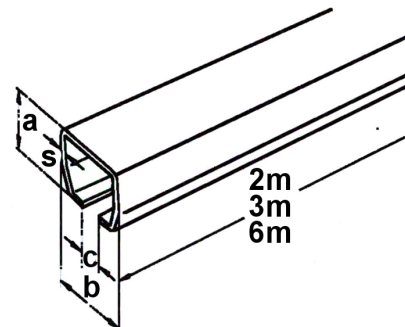
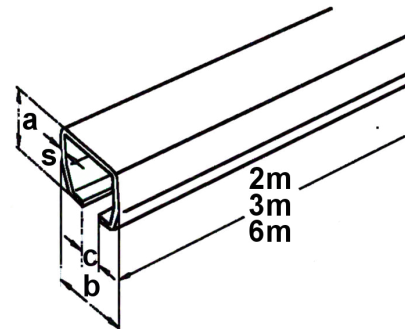


Follow your Track



Track		82106	82108	82118
Art.-No.	2m	82163	82170	82171*
	3m	82137	82139	82185*
	6m	82106	82108	82118*
EAN-No.	2m	4001425821634	4001425821702	4001425821719
	3m	4001425821375	4001425821399	4001425821856
	6m	4001425821061	4001425821085	4001425821184
stainless steel	2m	85597		
	3m	85596		
	6m	85590		
EAN-No.	2m	4001425855974		
	3m	4001425855967		
	6m	4001425855905		
	a	60	75	110
	b	65	80	90
	c	18	22	25
	s	3,8	4,5	7
weight	kg/m	5,39	8,57	15,86

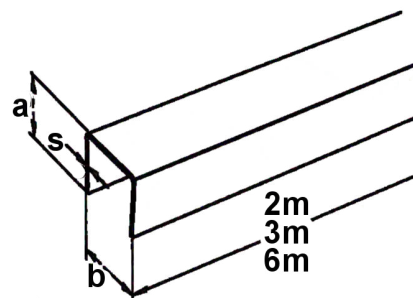
*galvanized



Art.-No.	2m	82176	82177	82178
	3m	82182	82183	82184
	6m	82127	82128	82129
EAN-No.	2m	4001425821764	4001425821771	4001425821788
	3m	4001425821825	4001425821832	4001425821849
	6m	4001425821276	4001425821283	4001425821290
	a	60	75	110
	b	65	80	90
	c	18	22	25
	s	3,8	4,5	7
weight	kg/m	5,39	8,57	15,86



U-Track		82110	82112	82114
Art.-No.	2m	82096	82097	
EAN-No.	2m	4001425820965	4001425820972	
Art.-No.	3m	82008	82140	
EAN-No.	3m	4001425820083	4001425821405	
Art.-No.	6m	82110	82112	82114
EAN-No.	6m	4001425821108	4001425821122	4001425821145
	a	25	30	50
	b	17	30	60
	s	1,25	1,5	3
weight	kg/m	0,65	0,96	3,53



Cantilever Gate Systems

Sliding Door Systems, C-Profile

HBS-Hangers, four rollers

with guide rollers

Material:

adjusting plate, base plate, base frame, rollers and guide rollers with ball bearing of galvanized steel or stainless steel AISI304

Features:

This hanger is the light version of the two HBS-Hangers for Cantilever Gates.



HBS-Tandem Hangers

with guide rollers

Material:

adjusting plate, base plate, base frame, rollers and guide rollers with ball bearing of galvanized steel

Features:

This hanger is the heavy version of the two HBS-Hangers for Cantilever Gates.



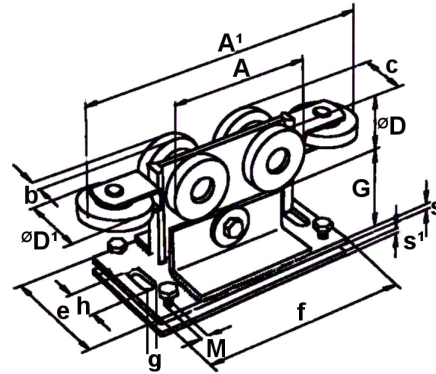
Follow your Track

50

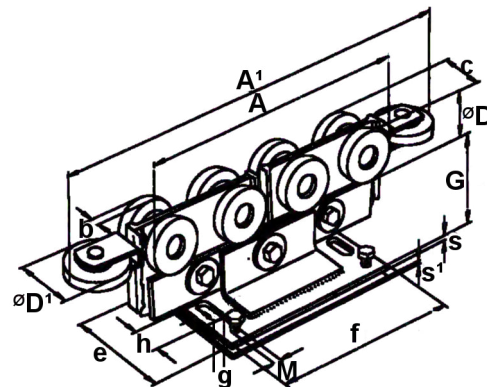
60

70

Track		82106	82108	82118
max. loading capacity/pc. in kg		600	1000	1800
Art.-No.		85409	85400	85406
EAN-No.		4001425854090	4001425854007	4001425854069
stainless steel		85594		
		4001425855943		
	b	12	16	20
	c	43	51	55,5
	e	107	110	160
	f	100	210	300
	g	12	16	16
	h	24	36	31
	s	5	8	10
	s ¹	4	5	6
	A	116	147	195
	A ¹	258	317	371
	∅D	51	63	95
	∅D ¹	55	69	74
	G	34	59	88
thread	M	M 8	M 10	M 12
weight/pc.	kg	2,98	6,6	17,64



max. loading capacity/pc. in kg		800	1200	2400
Art.-No.		85427	85401	85407
EAN-No.		4001425854274	4001425854014	4001425854076
	b	12	16	20
	c	43	51	56
	e	120	170	200
	f	250	208	300
	g	12	16	16
	h	24	36	40
	s	8	8	10
	s ¹	5	5	6
	A	251	312	455
	A ¹	393	483	632
	∅D	51	64	94
	∅D ¹	55	68,5	73,5
	G	60	68	92
thread	M	M 10	M 10	M 12
weight/pc.	kg	4,5	11,9	30,22



Cantilever Gate Systems

Sliding Door Systems, C-Profile

HBS-Gate Catcher Brackets

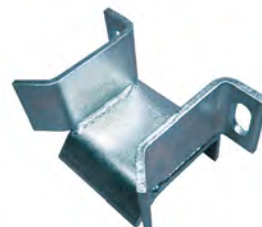
to screw on

Material:

galvanized steel or stainless steel AISI304

Features:

This gate catcher bracket can be used in combination with the end roller to unload the roller hanger and to position the gate exactly, when the gate is closed.



HBS-End Rollers

to fix it in the track

Material:

galvanized steel or stainless steel AISI304

Features:

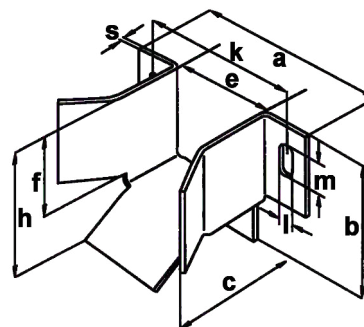
This end roller can be used in combination with the gate catcher bracket to unload the roller hanger and to position the gate exactly, when the gate is closed.



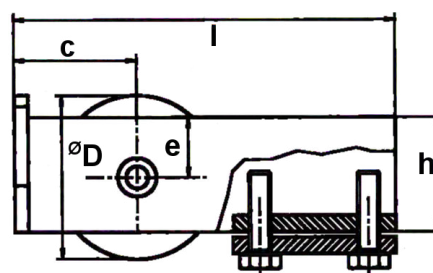
Follow your Track



Track		82106	82108	82118
Art.-No.		85411	85402	85408
EAN-No.		4001425854113	4001425854021	4001425854083
stainless steel		85592		
		4001425855943		
	a	135	170	180
	b	88	120	112
	c	90	117	110
	e	72	84	94
	f	55	77	64
	h	79	102	95
	k	110	135	145
	l	12,5	13	13
	m	26	26	26
	s	5	5	6
weight/pc.	kg	0,9	1,42	1,67



Art.-No.		85410	85403	85412
EAN-No.		4001425854106	4001425854038	4001425854123
stainless steel		85591		
		4001425855912		
	c	44	44	44,5
	e	25,5	25,5	26
	h	42	42	42
	l	140	140	141
	øD	62	69	69
weight/pc.	kg	1,12	1,28	1,44



Cantilever Gate Systems

Sliding Door Systems, C-Profile

HBS-Double Guide Rollers

adjustable

Material:

base frame galvanized steel and
rollers with friction bearing of plastic

Features:

There are two versions of this double guide roller: to screw on or to cement in. The rollers can be adjusted.



to screw on



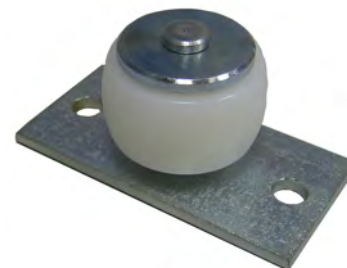
*to cement in

HBS-Guide Rollers

with screw-on plate

Material:

screw-on plate of galvanized steel and
roller with friction bearing of plastic



HBS-Plastic Guide Rollers

to screw on

Material:

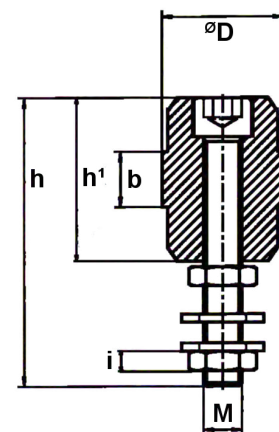
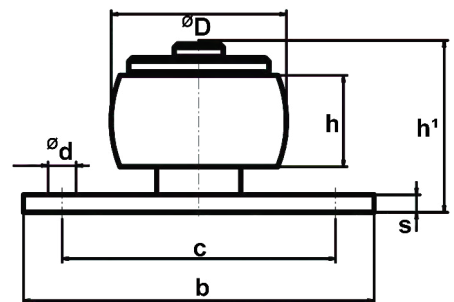
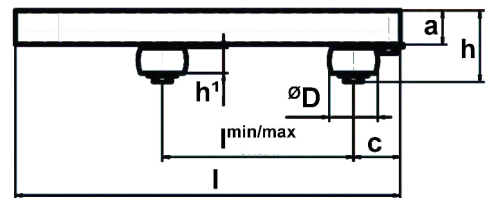
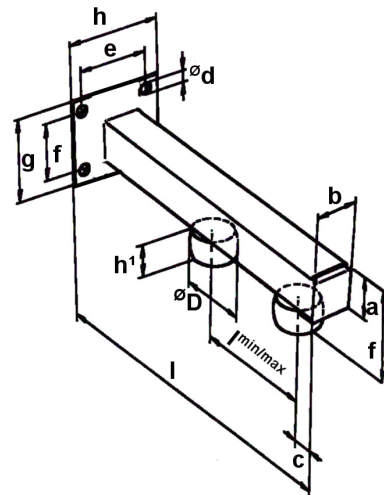
axle and nuts of galvanized steel,
rollers with friction bearing of plastic



Follow your Track



U-Track		82110	82112	82114		
Art.-No.					85405	85404*
EAN-No.					4001425854052	4001425854045
	a				35	35
	b				40	-
	c				51	51
	ød				10,2	-
	e				74,5	-
	f				74,5	-
	g				100	-
	h				100	100
	h ¹				29,5	29,5
	h ²				-	-
	l				353,5	400
	l _{min}				51	51
	l _{max}				273	250
	s				-	-
	øD				50	50
weight/pc.	kg				1,7	1,43
Art.-No.				85130		
EAN-No.				4001425851303		
	b			100		
	c			76		
	ød			10,5		
	h			26		
	h ¹			48		
	s			5		
	øD			50		
weight/pc.	kg			0,35		
max. loading capacity/pc. in kg					100	
Art.-No.					62039	
EAN-No.					4001425620398	
	b				20	
	h				103	
	h ¹				59	
	i				7	
	øD				44	
thread	M				M 14	
weight/pc.	kg				0,28	



Cantilever Gate Systems

Sliding Door Systems, C-Profile

HBS-Plastic Guide Rollers

to screw on

Material:

axle and nuts of galvanized steel,
rollers with friction bearing of plastic



HBS-Steel Guide Rollers

to screw on

Material:

axle, nuts, rollers, ball bearings
of galvanized steel

Features:

The ball bearing is splash-water protected.



HBS-Steel Guide Rollers

to weld on

Material:

axle, nuts, rollers, ball bearings
of galvanized steel

Features:

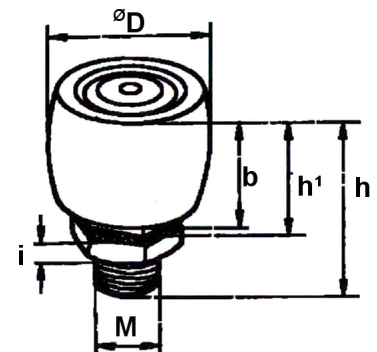
The ball bearing is splash-water protected.



Follow your Track

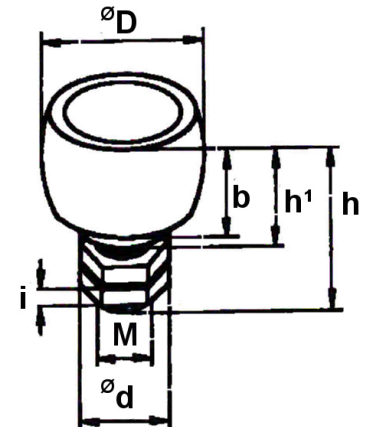
without track without track without track without track without track

max. loading capacity/pc. in kg		150			
Art.-No.		62044			
EAN-No.		4001425620442			
	b	40,5			
	h	79,5			
	h'	51,5			
	i	10			
	ØD	48			
thread	M	M 20			
weight/pc.	kg	0,31			

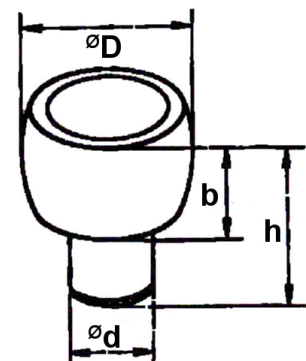


max. loading capacity/pc. in kg		200	200	750	1500	
Art.-No.		62045	62038*	62046	62047	
EAN-No.		4001425620459	4001425620381	4001425620466	4001425620473	
	b	30	30	40	45	
	Ød	25	25	38	62	
	h	65	65	90	120	
	h'	35	35	50	60	
	i	8	8	12	14	
	ØD	48	48	100	155	
thread	M	M 16	M 16	M 24	M 42	
weight/pc.	kg	0,45	0,45	2,47	7,5	

*stainless steel



max. loading capacity/pc. in kg		200	750	1500		
Art.-No.		62048	62049	62050		
EAN-No.		4001425620480	4001425620497	4001425620503		
	b	30	40	45		
	Ød	25	40	62		
	h	60	90	120		
	i	8	8	12		
	ØD	48	100	155		
weight/pc.	kg	0,47	2,76	7,88		



Easy Slide

Cantilever Gate System Fitting Set

Our Easy-Slide is a cantilever Gate System Fitting Set which can be used for clear openings from 1.00 to max. 4.50 m with a max. gate weight of 200 kg.

The set consists of a base plate, which can be used for both directions, two hangers, a guide roller and a pole which is used to fix the guide rollers or on which could be mounted a flashing light.

The 6 m long track can be cutted to individuell long, clear gate openings.
The assembly is easy and comparatively fast with the attached instruction.

That is why the set includes everything to assemble an statically solid, individual designed and produced sliding gate leaf by you.

Addition:

On request it is possible to order a suitable, electric drive motor set.

This set consists of motor, toothed rack, light barrier and a portable transmitter.

The motor is mounted to the base plate of the standard set and do not need a own mount because of that. The motor can be easily screwed on becaue of the intended threads.

The assembly of such a set makes possible an easy, comfortable opening and closing of the gate.

Easy Slide

Cantilever Gate System Fitting Set

Sliding Gate Fitting Set (Type 40) - Item No. 85429
for clear openings till 4.5 m, till 200 kg gate weight and
wind permeable gates

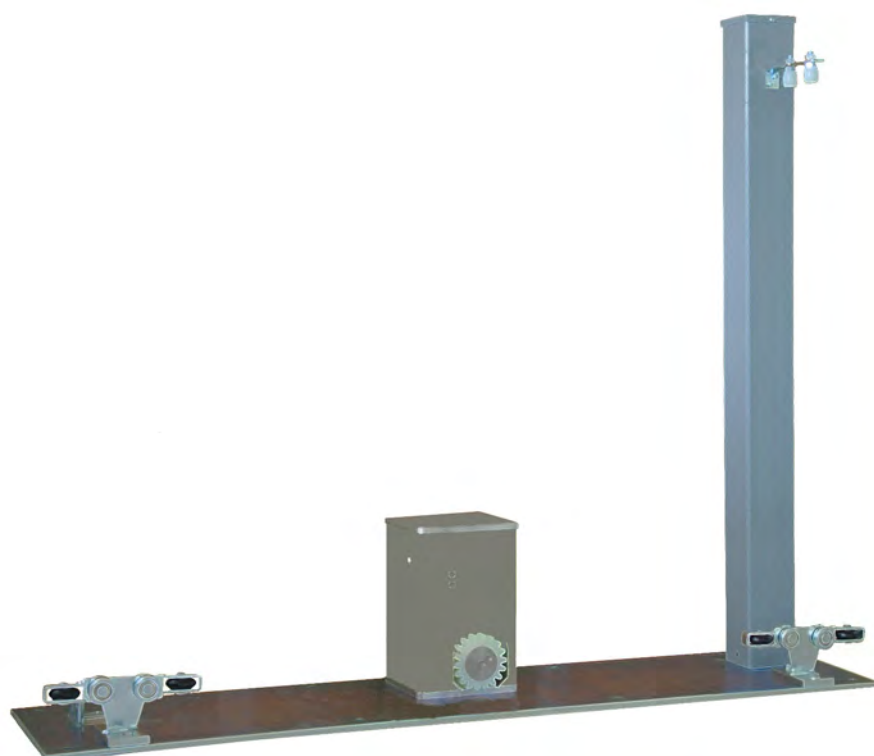


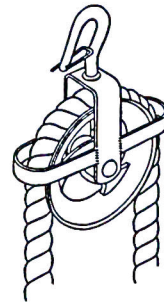
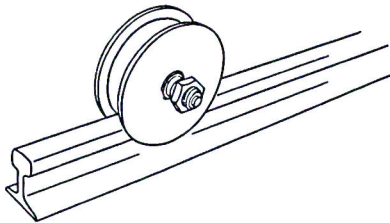
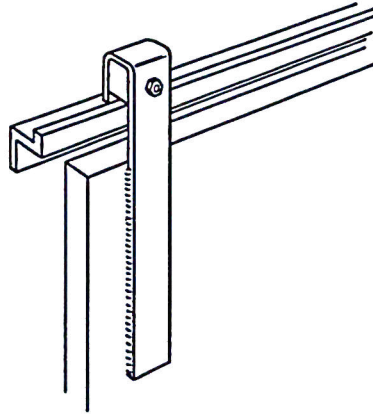
The set consists of:

1x base plate with pillar, pillar covering and assembly material
2x guide rollers with holder
2x hangers with guide rollers
1x track 6 m, galvanized and perforated (to screw it on gate)
1x Gate Catcher bracket
1x Track Stopper
1x assembly material

The advantages at a glance:

- safe closing of your entry
- no barriers in the entry by open gate
- function independent from the flooring
- easy assembly





Roller Wheels and Pulleys

Table of Contents

Roller Wheels and Pulleys

Sliding Door Rollers	pp. 164-171
Roller Wheels	pp. 172-187
Pulleys with Friction Bearing	pp. 188-193
Pulleys with Roller Bearing	pp. 194-195
Pulleys with Ball Bearing	pp. 196-199
Pulleys with Casing	pp. 200-201
Pulleys with Woodscrew	pp. 202-209
Pulleys with Eye Bolt	pp. 210-211
Pulleys with Thread Screw	pp. 212-213
Pulleys with Masonry Pin	pp. 214-215
Pulleys with Masonry Anchor	pp. 216-217
Pulleys with Oval Eye	pp. 218-219
Pulleys with Hook	pp. 220-221
Belt Pulleys	pp. 222-223
Pulleys with Screw-on Plate	pp. 224-229
Side Pulleys	pp. 230-233
Well Pulleys	pp. 234-235

Roller Wheels and Pulleys

Sliding Door Rollers

HBS-Sliding Door Rollers

for manually operated wood gates

Material:

bracket and slide pin of galvanized steel or stainless steel*, rollers of cast or stainless steel*

Features:

cast roller with roller bearing;
stainless steel roller with 2 grooved ball bearings (stainless steel);



HBS-Sliding Door Rollers

for manually operated wood gates

Material:

bracket and slide pin of galvanized steel and roller of plastic

Features:

with plastic friction bearing



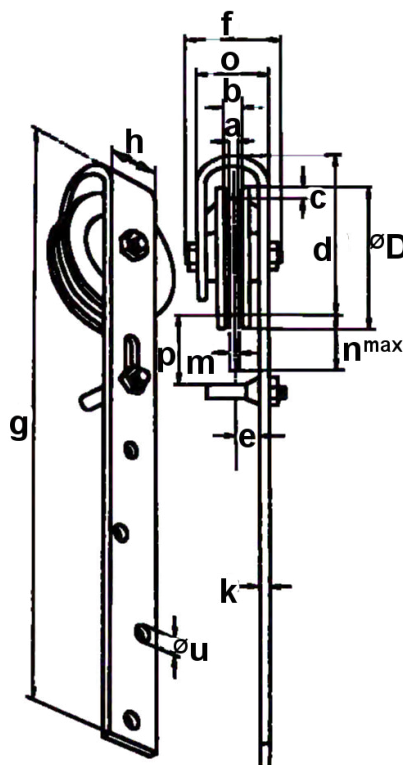
for more information about our Sliding Door Roller Fitting Sets: please have a look at pp. 288a-289a

suitable for

sliding door roller set	80785	80786	80786	80787	80787					
flat steel in mm	30x5	45x8	45x8	50x10	50x10	60x12	60x12	60x12	45x8	45x8
max. loading capacity/pcs. in kg	30	35	50	75	100	130	175	225	250	375
Item-No.		87144	60009	60010	60011	60012	60013	60014	60015	62071* 62072*
EAN-No.		4001425871448	4001425600093	4001425600109	4001425600116	4001425600123	4001425600130	4001425600147	4001425600154	4001425620718 4001425620725
∅D		60	75	90	105	120	140	160	200	75 90
a		6	9	9	11	11	14	14	14	9 9
b		8	11	11	13	13	17	17	17	11 11
c		5,5	8	8	9	9	10	10	10	8 8
d		68	81	99	110	128	155	172	216	81 99
e		11,5	15	16	18	20	22	22	25	15 16
f		55	54	65	67	73	83	83	93	54 65
g		265	315	400	465	535	600	615	715	315 400
h		25	30	40	40	45	45	55	70	30 40
k		5	6,5	6,5	8	8	10	10	10	6,5 6,5
m		5	8	8	10	10	13	13	13	8 8
n ^{max}		25	45	45	50	50	65	65	65	45 45
o		33	42	46	51	56	67	67	70	42 46
p		34	52	54	72	72	88	88	66	52 54
∅u		6,1	8,5	10,5	10,5	10,5	10,5	10,5	12,5	8,4 10,4
weight/pc.	kg	0,56	0,95	1,5	2,15	2,64	3,93	4,8	7,93	0,95 1,5
Replacement Roller		87143	62028	62029	62030	62031	62032	62033	62034	62069* 62070*

*stainless steel

flat steel in mm	30x5	60x12
max. loading capacity/pcs. in kg	30	140
Item-No.	60008	60022
EAN-No.	4001425600086	4001425600222
∅D	60	100
a	6	13,5
b	7	17
c	6	12,5
d	67	109,5
e	11,5	17,5
f	46	93
g	265	465
h	25	40
k	5	8
m	5	12
n ^{max}	25	70
o	32	51
p	29,5	78
∅u	6,5	10,5
weight/pc.	kg	0,36 1,76
Replacement Roller	62027	62036



Roller Wheels and Pulleys

Sliding Door Rollers

HBS-Sliding Door Rollers

for manually operated steel gates

to weld on

Material:

bracket and slide pin of galvanized steel
and roller of steel

Features:

The roller is dust- and water-protected and has got a cone ball bearing or a grooved ball bearing*.



HBS-Sliding Door Rollers

for manually operated steel gates

to weld on and to screw on

Material:

bracket of galvanized steel; roller and weld-on plate
of ungalvanized steel

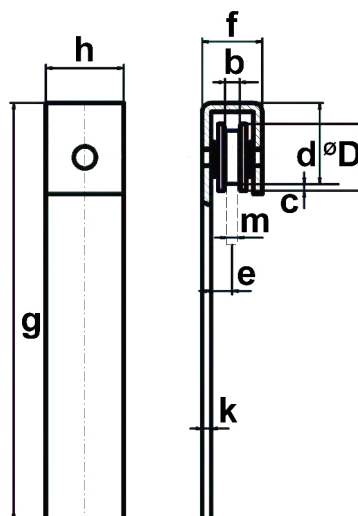
Features:

The roller is dust- and water-protected and
has got a cone ball bearing or a grooved ball bearing



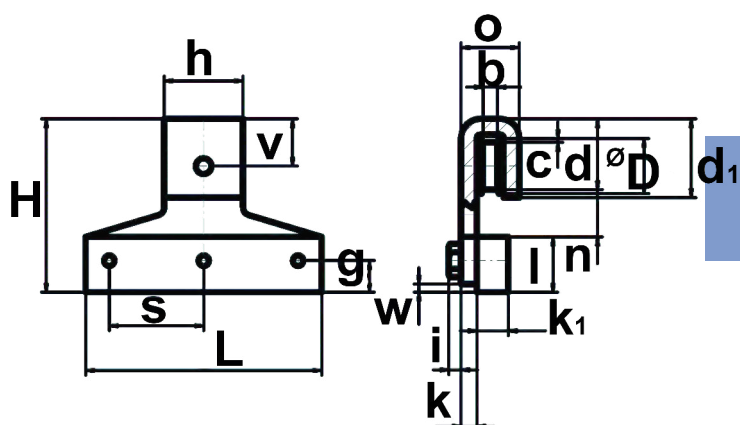
max. loading capacity/pcs. in kg		120	350	500	720
Item-No.		60001*	60002	60003	60004*
EAN-No.		4001425600017	4001425600024	4001425600031	4001425600048
	∅D	35	45	45	39
	b	9	13	13	13
	c	3,5	2,5	2,5	2
	e	9,5	11	11	9,5
	f	39	42	52	54
	g	300	300	300	300
	h	50	70	70	80
	k	10	10	15	16
	m	8	12	12	12
weight/pc.	kg	1,48	2,31	3,36	4,03

*grooved ball bearing



max. loading capacity/pcs. in kg		120	350	500
Item-No.		60005*	60006	60007
EAN-No.		4001425600055	4001425600062	4001425600079
	∅D	35	45	45
	b	9	13	13
	c	2,5	2,5	2,5
	d	45	54	57
	d¹	50	62	67
	g	20	20	18
	h	50	62	67
	i	8	8	8
	k	10	10	15
	k¹	20	20	20
	l	35	35	35
	n	20	35	35
	o	39	42	52
	s	60	70	70
	v	30	35	40
	w	4	4	4
	H	109	127	128
	L	150	170	174
weight/pc.	kg	1,873	2,597	3,278

*grooved ball bearing



Roller Wheels and Pulleys

Sliding Door Rollers

HBS-Rhineland-Sliding Door Rollers

for manually operated steel gates

to weld on

Material:

bracket of galvanized steel and roller of steel

Features:

The roller is weather-proof and has got a roller bearing.



HBS-Rhineland-Sliding Door Rollers

for manually operated steel gates

to weld on

Material:

bracket of galvanized steel and roller of steel

Features:

The roller is weather-proof and has got a ball bearing.



HBS-Sliding Door Rollers

for manually operated steel gates

to weld on

Material:

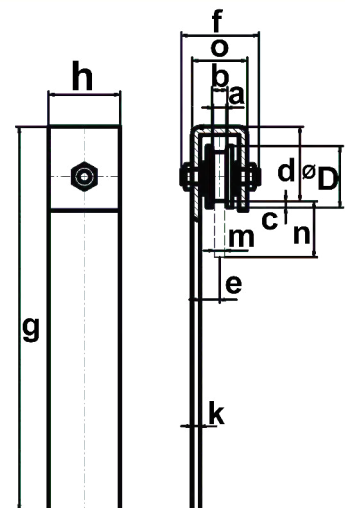
bracket of galvanized steel and roller of steel

Features:

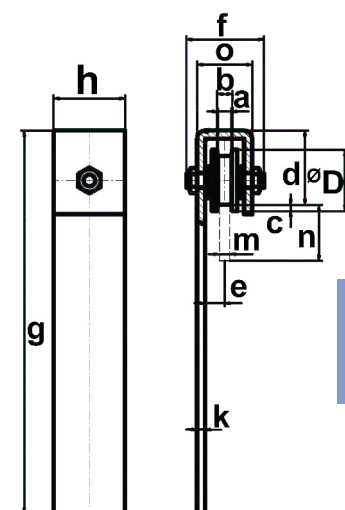
The roller has got a ball bearing.



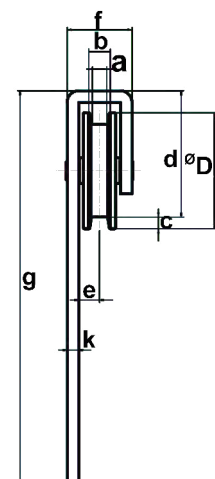
max. loading capacity/pcs. in kg		80	80	80	100	100	100
Item-No.		60032	60033	60034	60035	60036	60037
EAN-No.		4001425600321	4001425600338	4001425600345	4001425600352	4001425600369	4001425600376
	ØD	60	60	60	60	60	60
	a	13	13	13	13	13	13
	b	15	15	15	15	15	15
	c	6	6	6	6	6	6
	d	70	70	70	72	72	72
	e	19	19	19	19	19	19
	f	74	74	74	76	76	76
	g	250	350	450	250	350	450
	h	70	70	70	70	70	70
	k	8	8	8	10	10	10
	m	12	12	12	12	12	12
	n	50	50	50	50	50	50
	o	54,5	54,5	54,5	59	59	59
weight/pc.	kg	2,1	2,54	2,98	2,55	3,1	3,62



max. loading capacity/pcs. in kg		210	210	210	300	300	300
Item-No.		60038	60039	60040	60041	60042	60043
EAN-No.		4001425600383	4001425600390	4001425600406	4001425600413	4001425600420	4001425600437
	ØD	60	60	60	60	60	60
	a	13	13	13	13	13	13
	b	15	15	15	15	15	15
	c	6	6	6	6	6	6
	d	74	74	74	71	71	71
	e	19	19	19	19	19	19
	f	71	71	71	76	76	76
	g	250	350	450	250	350	450
	h	70	70	70	70	70	70
	k	8	8	8	10	10	10
	m	12	12	12	12	12	12
	n	50	50	50	50	50	50
	o	54,5	54,5	54,5	59	59	59
weight/pc..	kg	2,05	2,48	2,92	2,50	3,	3,55



max. loading capacity/pcs. in kg		200	300	650
Item-No.		60046	60047	60048
EAN-No.		4001425600468	4001425600475	4001425600482
	ØD	100	140	160
	a	14	14	14
	b	17	17	17
	c	10	10	10
	d	110	150	170
	e	18	18	17,5
	f	58	56	72
	g	340	400	500
	k	10	10	15
weight/pc.	kg	2,05	2,48	2,92



Roller Wheels and Pulleys

Sliding Door Rollers

HBS-Sliding Door Rollers

for manually operated steel gates

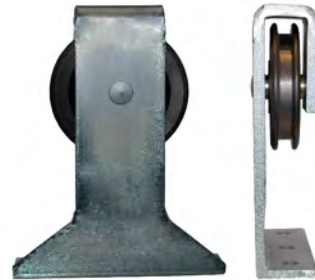
to screw on

Material:

bracket of galvanized steel and roller of cast

Features:

The roller has got a ball bearing.



HBS-Rhineland-Sliding Door Rollers

for manually operated steel and wood gates

Material:

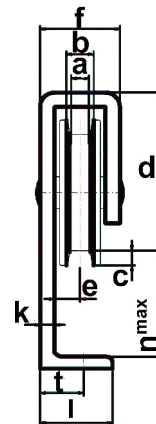
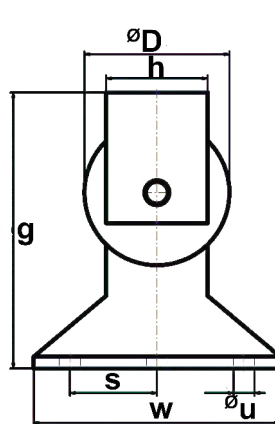
bracket of galvanized steel and roller of steel

Features:

The roller is weather-proof and has got a ball bearing* or a roller bearing.

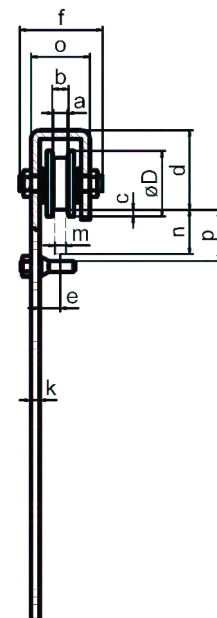
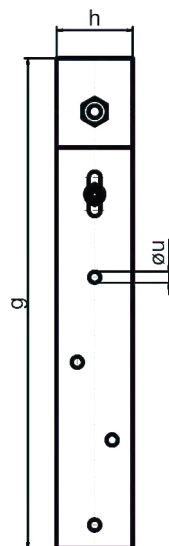


max. loading capacity/pcs. in kg		180	300
Item-No.		60044	60045
EAN-No.		4001425600444	4001425600451
	∅D	110	150
	a	11	14
	b	13	17
	c	9	10
	d	115	153
	e	17,5	17,5
	f	55	55
	g	220	260
	h	70	70
	k	10	10
	l	50	52
	n ^{max}	80	80
	s	60	60
	t	30	30
	∅u	14,5	14,5
	w	170	170
weight/pc.	kg	3,53	5,27



max. loading capacity/pcs. in kg		80	100	180	300
Item-No.		60028	60029	60030*	60031*
EAN-No.		4001425600284	4001425600291	4001425600307	4001425600314
	∅D	60	60	60	60
	a	13	13	13	13
	b	15	15	15	15
	c	6	6	6	6
	d	73	73	72	72
	e	19	19	19	19
	f	77	76	70	75
	g	450	390+450	450	450
	h	70	70	70	70
	k	8	10	8	10
	m	12	12	12	12
	n ^{max}	50	50	50	50
	o	55	60	55	60
	p	68	65	68	65
	∅u	10,5	10,5	10,5	10,5
weight/pc.	kg	2,99	3,6	2,91	3,5

*ball bearing



Roller Wheels and Pulleys

Roller Wheels

HBS-V-Tracks

to screw on

for roller wheels with angular groove

Material:

steel, sendzimir zincked

Features:

The standard length is 3m and the track is punched every 590 mm.



HBS-Roller Wheels with Axle

and angular groove

for manually operated sliding gates and gates powered by electricity

Material:

axle and roller of galvanited steel

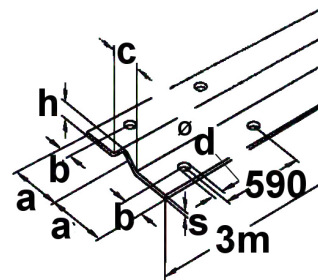
Features:

The axle is without grease nipple and the roller has got two ball bearings or one ball bearing*.



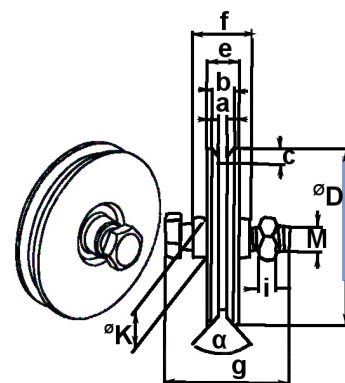
angular angular angular angular angular angular angular

V-Track	82090	82090	82090	82090	82090	82090	82090
Item-No.	82090						
EAN-No.	4001425820903						
a	32,5						
b	8,5						
c	33						
∅d	6,2						
h	17						
s	3						
weight	kg/m	1,7					



max. loading capacity/pcs. in kg	200	200	400	500	550	700	750
Item-No.	81508*	81509*	81510	81511	81512	81513	81514
EAN-No.	4001425815084	4001425815091	400142581507	4001425815114	4001425815121	4001425815138	4001425815145
∅D	80	100	100	120	140	160	200
a	5	5	5	5	5	5	5
b	13	13	21	21	21	21	21
c	8	8	12	12	12	12	12
e	20	20	32	32	32	32	32
f	32	32	44	44	44	44	44
g	77	77	79	79	79	81	81
i	11	11	11	11	11	13	13
∅K	22	22	22	22	22	26	26
α	92°	92°	92°	92°	92°	92°	92°
thread	M	M 14	M 14	M 14	M 14	M 16	M 16
weight/pc.	kg	0,65	0,97	1,55	2,25	2,86	3,65

*with 1 ball bearing



Roller Wheels and Pulleys

Roller Wheels

HBS-U-Track

to screw on

for roller wheels with round groove

Material:

steel, sendzimir zincked

Features:

The standard length is 3m and the track is punched every 590 mm.



HBS-U-Track

to cement in

for roller wheels with round groove

Material:

steel, sendzimir zincked

Features:

The standard length is 3m.



HBS-Roller Wheel with Axle

and round groove

for manually operated sliding gates and gates powered by electricity

Material:

axle and roller of galvanited steel

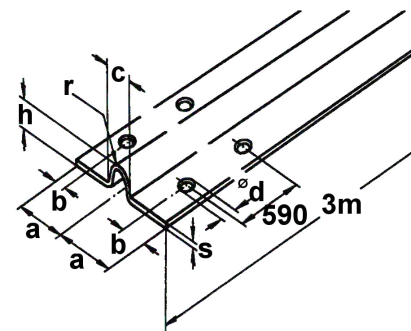
Features:

The axle is without grease nipple and the roller has got two ball bearings or one ball bearing*.

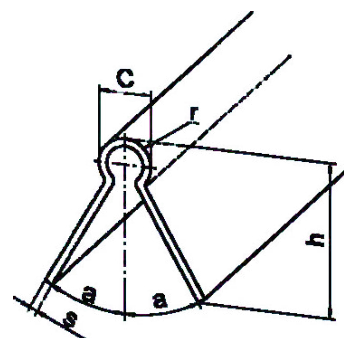




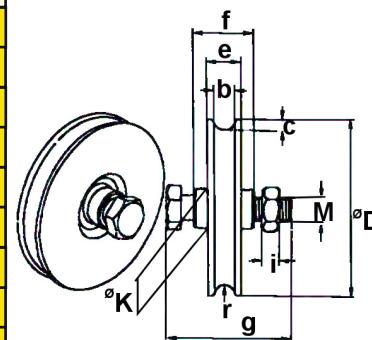
U-Track		82088	82088	82089	82089	82089	82089
Item-No.		82088		82089			
EAN-No.		4001425820880		4001425820897			
	a	29		40			
	b	10		10			
	c	13		19			
	∅d	6,5		8,5			
	h	10		17			
	r	6		9,5			
	s	2		3,5			
weight	kg/m	1,1		2,55			



Item-No.				82091			
EAN-No.				4001425820910			
	a			33			
	c			19			
	h			60			
	r			9,5			
	s			3,5			
weight	kg/m			3,64			



max. loading capacity/pcs. in kg		200	200	400	500	550	700	750
Item-No.		81501*	81502*	81503	81504	81505	81506	81507
EAN-No.		4001425815015	4001425815022	4001425815039	4001425815046	4001425815053	4001425815060	4001425815077
	∅D	80	100	100	120	140	160	200
	b	12	12	22	22	22	22	22
	c	6	6	10	10	10	10	10
	e	20	20	32	32	32	32	32
	f	32	32	44	44	44	45	45
	g	80	80	79	79	81	81	81
	l	11	11	11	11	13	13	13
	r	6	6	10	10	10	10	10
	∅K	22	22	22	22	22	26	26
thread	M	M 14	M 14	M 14	M 14	M 14	M 16	M 16
weight/pc.	kg	0,65	0,97	1,55	2,25	2,86	3,65	5,55



*with 1 ball bearing

Roller Wheels and Pulleys

Roller Wheels

HBS-Roller Wheels with Axle

and angled groove

for manually operated, steel and wood sliding gates, which slides on the ground

Material:

axle and roller of galvanized steel* or roller of cast

Features:

The axle is with grease nipple and the roller has got two ball bearings.



HBS-Roller Wheels with Axle

and angled groove

for steel and wood gates powered by electricity, which slides on the ground

Material:

axle and roller of galvanized steel

Features:

The axle is with grease nipple and the roller has got one ball bearings.

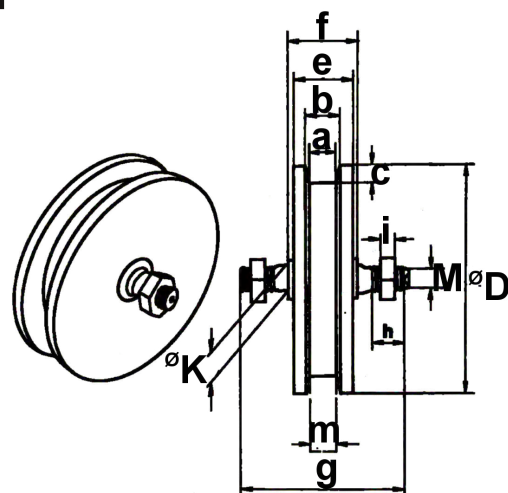


suitable for
suitable for

flat steel in mm	20 x X	30 x X	30 x X	30 x X
square steel in mm	20 x X	30 x X	30 x X	30 x X
max. loading capacity/pcs. in kg	450	950	1050	1250
Item-No.	62005*	62007	62008	62009
EAN-No.	4001425620053	4001425620077	4001425620084	4001425620091
ØD	160	200	220	240
a	23	34	34	36
b	25	36	36	38
c	15	15	18	20
e	45	52	52	65
f	48	60	60	75
g	111	115	120	140
h	17	20	20	24
i	9	10	10	12
m	22	32	32	34
ØK	20	25	25	30
thread	M	M 20	M 24	M 24
weight/pc.	kg	3,89	6,67	8,36

X = any height

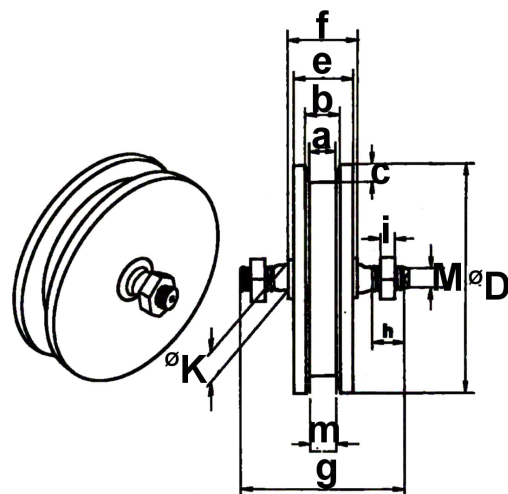
*steel



suitable for
suitable for

flat steel in mm	12 x X	12 x X	12 x X	12 x X
square steel in mm	12 x X	12 x X	12 x X	12 x X
max. loading capacity/pcs. in kg	200	270	400	500
Item-No.	62019	62020	62021	62022
EAN-No.	4001425620193	4001425620206	4001425620213	4001425620220
ØD	100	120	140	160
a	14	14	14	14
b	17	17	17	17
c	10	10	10	10
e	28	30	30	32
f	32	35	35	40
g	80	85	90	95
h	16	16	17	17
i	8	8	9	9
m	13	13	13	13
ØK	15	15	20	20
thread	M	M 14	M 14	M 20
weight/pc.	kg	1,42	2,28	3,24

X = any height



Roller Wheels and Pulleys

Roller Wheels

HBS-Roller Wheels with Axle

and angled groove

for steel and wood gates powered by electricity,
which slides on the ground

Material:

axle and roller of galvanized steel

Features:

The axle is with grease nipple and the roller has got
two ball bearings.

groove for flat steel and light railway track DIN 5901



HBS-Roller Wheels with Axle

and angled groove

for sliding gates

Material:

axle and roller of galvanized steel

Features:

The axle has got two nuts and the roller has got a roller
bearing or one ball bearing*..



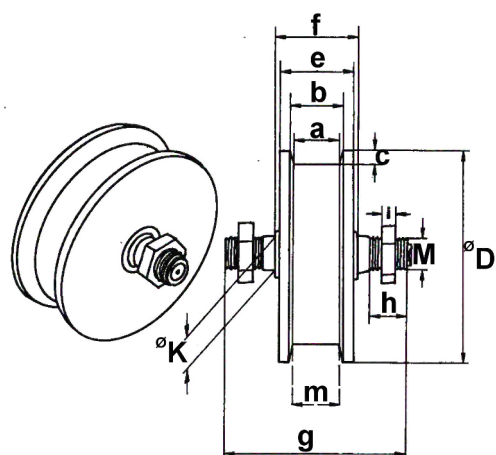
*



suitable for
suitable for

light railway track	S 7,10	S 7,10	S 7,10	S 7,10
square steel in mm	25 x X	25 x X	25 x X	25 x X
max. loading capacity/pcs. in kg	500	650	750	1000
Item-No.	62023	62024	62025	62026
EAN-No.	4001425620237	4001425620244	4001425620251	4001425620268
ØD	120	160	180	200
a	27	27	27	34
b	29	29	29	36
c	10	15	15	15
e	40	42	45	52
f	44	46	50	57
g	100	108	110	120
h	17	17	20	20
i	9	9	10	10
m	25	25	25	32
ØK	20	20	25	25
thread	M	M 20	M 20	M 24
weight/pc.	kg	2,83	5,15	7,41
		10,53		

X = any height

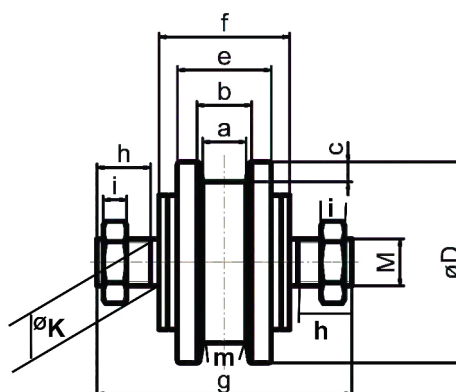


suitable for

square steel in mm	12 x X	
max. loading capacity/pcs. in kg	100	300
Item-No.	62052	62054*
EAN-No.	4001425620527	4001425620541
ØD	60	60
a	13	13
b	15	15
c	6	6
e	28	25
f	39	38
g	76	79
h	16	16
i	7	7
m	12	12
ØK	14	15
thread	M	M 14
weight/pc.	kg	0,53
		0,46

X = any height

*ball bearing



Roller Wheels and Pulleys

Roller Wheels

HBS-Roller Wheels

with angled groove or round groove

for sliding gates powered by electricity,
which slides on the ground

Material:

casing and roller of galvanized steel

Features:

with two ball bearings



HBS-Cabinet Sliding Door Rollers

which slides on the ground, with round groove

Material:

casing and roller of galvanized cast

Features:

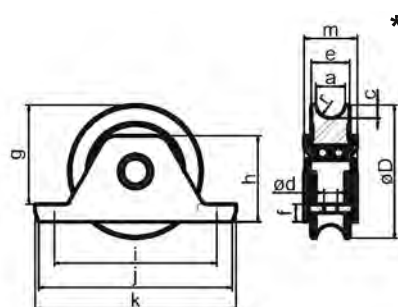
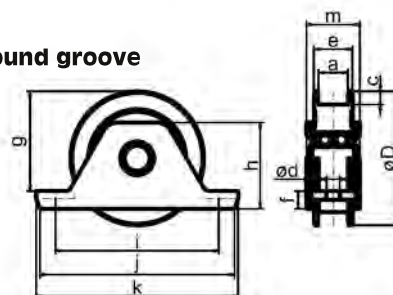
with roller bearing



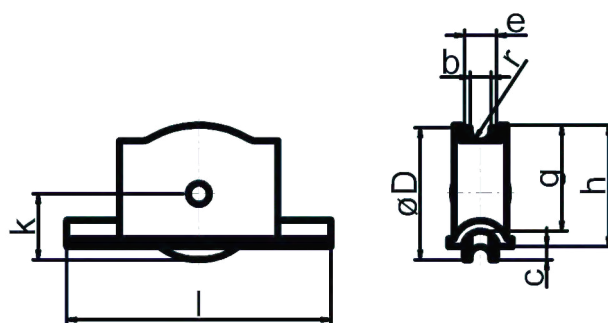


U-Track				82089	82089
				82091	82091
max. loading capacity/pcs. in kg		400	500	400	500
Item-No.		81515	81516	81517*	81518*
EAN-No.		4001425815152	4001425815169	4001425815176	4001425815183
	øD	90	120	90	120
	a	20	20	20	20
	c	9	9	9	9
	ød	9	9	9	9
	e	26	28	26	28
	f	12	15	12	15
	g	67	86,5	67	86,5
	h	58	80	58	80
	i	110	159	110	159
	j	131	180	131	180
	k	136	185	136	185
	m	36	36	36	36
	r	-	-	10	10
weight/pc.	kg	1,2	2,2	1,2	2,2

*round groove



max. loading capacity/pcs. in kg		10	15	18
Item-No.		63053	63054	63055
EAN-No.		4001425630533	4001425630540	4001425630557
	øD	40	50	65
	b	8	8	8
	c	5	5	5
	e	12	12	12
	g	31	41,5	49
	h	36,5	46,5	57
	k	15	20	26,5
	l	86,5	100	114
	r	3,5	3,5	3,5
weight/pc.	kg	0,14	0,22	0,31



Roller Wheels and Pulleys

Roller Wheels

HBS-Plastic Roller Wheels

without axle, with angled groove

Material:

high-quality polyamide

Features:

with friction bearing



HBS-Plastic Roller Wheels

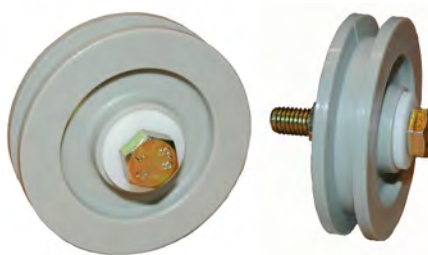
with axle and angled groove

Material:

roller of high-quality polyamide
and axle of galvanized steel

Features:

The roller can also be used as a replacement roller for sliding door rollers article no. 60008 and 60022. It has got a friction bearing.



HBS-Roller Wheels

without axle, with angled groove

Material:

cast

Features:

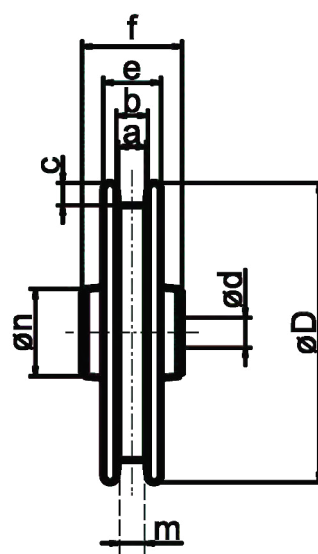
with friction bearing



suitable for
suitable for

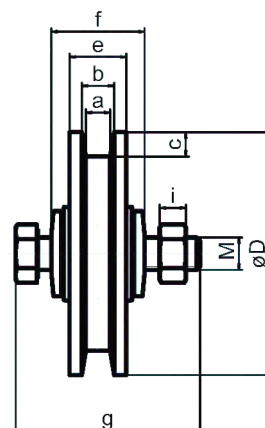
flat steel in mm		10 x X	12 x X	40 x X	12 x X
square steel in mm		10 x X	12 x X	40 x X	12 x X
max. loading capacity/pcs. in kg		70	140	140	190
Item-No.		87074	87075	87076	87077
EAN-No.		400142570748	4001425870755	4001425870762	4001425870779
	ØD	61	100	112	122
	a	11	14	45	14
	b	16	18	48	16
	c	8	12,5	11	15
	Ød	10,2	16,5	20,2	16,2
	e	22	24,5	58	30
	f	23	28	60	35
	m	9	12	40	13
	Øn	19,5	39	40	40
weight/pc.	kg	0,04	0,13	0,27	0,27

X = any height



suitable for

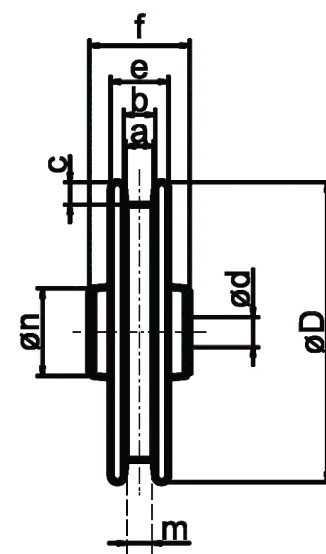
flat steel in mm		30 x 5	60 x 12
max. loading capacity/pcs. in kg		30	140
Item-No.		62027	62036
EAN-No.		400142620275	4001425620367
	ØD	60	100
	a	6	13,5
	b	7	17
	c	6	12,5
	e	14	24,5
	f	22	28
	g	46	93
	i	4	13
	thread	M	M 8
weight/pc.	kg	0,06	0,3



suitable for

flat steel in mm		8 x X	8 x X	10 x X	10 x X	8 x X	10 x X	10 x X
max. loading capacity/pcs. in kg		50	65	90	100	140	150	175
Item-No.		62011	62012	62013	62014	62015	62016	62018
EAN-No.		4001425620114	4001425620121	4001425620138	4001425620145	4001425620152	4001425620169	4001425620183
	ØD	75	90	105	120	120	140	200
	a	9	9	11	11	14	14	14
	b	11	11	13	13	17	17	17
	c	8	8	9	9	10	10	10
	Ød	8	8	10	10	10	12	15
	e	19	18,5	21	21,5	26	26	26
	f	21	22	24,5	25	30,5	34	33
	m	8	8	10	10	13	13	13
	Øn	31	31	34	28	36	36	49
weight/pc.	kg	0,36	0,48	0,62	0,69	0,83	1,22	2,76

X = any height



Roller Wheels and Pulleys

Roller Wheels

HBS-Roller Wheels

with axle and angled groove

Material:

roller of cast and axle of galvanized steel or roller and axle of **stainless steel***

Features:

The roller can also be used as replacement roller for sliding door rollers article no. 87144, 60009-15 and 62069-70.

The cast roller has got a roller bearing and the **stainless steel roller** has got a ball bearing.



suitable for

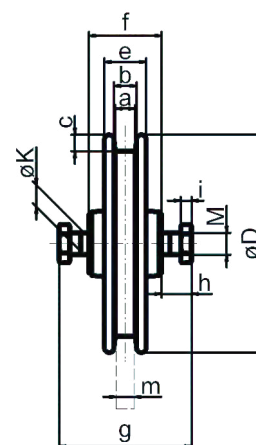
flat steel in mm		5 x X	8 x X	8 x X	10 x X	10 x X	13 x X
max. loading capacity/pcs. in kg		30	35	50	75	100	135
Item-No.		87143	62028	62029	62030	62031	62032
EAN-No.		4001425871431	4001425620282	4001425620299	4001425620306	4001425620312	4001425620329
	ØD	60	75	90	105	120	140
	a	6	9	9	11	11	14
	b	8	11	11	13	13	17
	c	5,5	8	8	9	9	10
	e	16	19	20	22	22	27
	f	23	28	32	34	39	47
	g	54	54	64	67	73	83
	h	10	10	10	12	12	16
	i	6	6	6	6	6	8
	m	5	8	8	10	10	13
	ØK	10	10	10	12	12	14
thread	M	M 10	M 10	M 10	M 12	M 12	M 14
weight/pc.	kg	0,2	0,37	0,53	0,71	0,89	1,41

suitable for

flat steel in mm		13 x X	13 x X	13 x X	8 x X	8 x X
max. loading capacity/pcs. in kg		175	250	320	250	375
Item-No.		62033	62034	62035	62069*	62070*
EAN-No.		4001425620336	4001425620343	4001425620350	4001425620695	4001425620701
	ØD	160	200	250	75	90
	a	14	14	14	9	9
	b	17	17	17	11	11
	c	10	10	15	8	8
	e	26	27	40	19	20
	f	45	54	61	28	32
	g	83	93	110	60	70
	h	16	16	16	10	10
	i	8	8	10	6	6
	m	13	13	13	8	8
	ØK	14	16	25	10	12
thread	M	M 10	M 10	M 10	M 10	M 12
weight/pc.	kg	0,37	0,2	0,53	0,2	0,37

*stainless steel

X = any height



Roller Wheels and Pulleys

Roller Wheels

HBS-Ball Bearing Rollers

with crowned sliding surface

Material:

hardened steel or white plastic*

Features:

The steel roller has got a cone ball bearing and the plastic roller has got a grooved ball bearing*.



HBS-Ball Bearing Rollers

with straight sliding surface

Material:

hardened steel

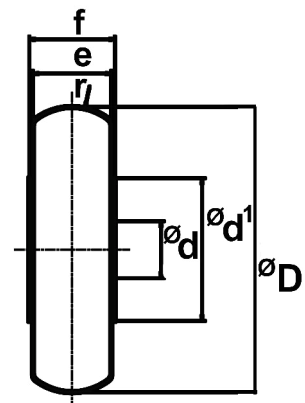
Features:

The roller has got a cone ball bearing.

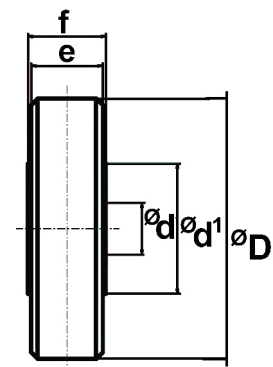


max. loading capacity/pcs. in kg		95	95	50
Item-No.		87065	87066	72909*
EAN-No.		400142570656	4001425870663	4001425729091
	ØD	40	50	30
	Ød	8,1	8,1	6
	Ød ¹	20	23	15
	e	11	11	10
	f	12	12	10
	r	9	9	5
weight/pc.	kg	0,1	0,15	0,012

*plastic



max. loading capacity/pcs. in kg		70	95	95
Item-No.		87054	87055	87056
EAN-No.		4001425870540	4001425870557	4001425870564
	ØD	30	40	50
	Ød	7,1	8,1	8,1
	Ød ¹	18	22	22
	e	11	11	11
	f	12	12	12
weight/pc.	kg	0,05	0,14	0,16



Roller Wheels and Pulleys

Pulleys with Friction Bearing

HBS-Pulleys

with round groove

Material:

high-quality cast

Features:

The rollers are turned and drilled and has got a friction bearing.



HBS-Pulleys

with round groove

Material:

high-quality cast

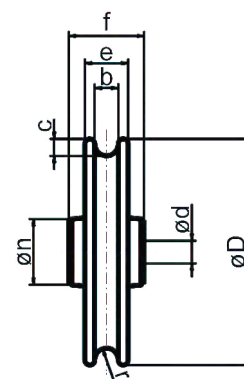
Features:

The rollers are turned and drilled and has got a friction bearing.



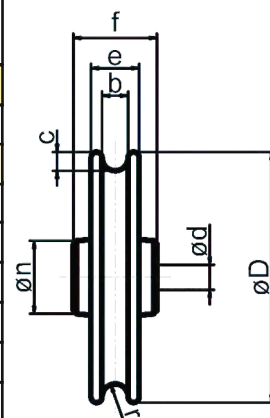
suitable for

max. rope in mm	Ø 7	Ø 10	Ø 10	Ø 12
max. loading capacity/pcs. in kg	40	50	65	90
Item-No.	63062	63063	63064	63065
EAN-No.	4001425630625	4001425630632	4001425630649	4001425630656
ØD	60	75	90	105
b	7	11	11	13
c	5,5	9	9	10
Ød	6	8	8	10
e	14,5	19	20	21
f	16	21	23	24
Øn	23	31	31	36
r	3,5	5	5	6
weight/pc. kg	0,16	0,34	0,46	0,59
max. rope in mm	Ø 12	Ø 15	Ø 15	
max. loading capacity/pcs. in kg	100	150	175	
Item-No.	63066	63073	63075	
EAN-No.	4001425630663	4001425630731	4001425630649	
ØD	120	140	200	
b	13	16	16	
c	10	11	11	
Ød	10	12	15	
e	22	26	27	
f	26	35	33,5	
Øn	29	37	48,5	
r	6	7,5	7,5	
weight/pc. kg	0,71	1,21	2,79	



suitable for

max. rope in mm	Ø 9	Ø 10	Ø 11	Ø 13	Ø 13	Ø 16	Ø 16
max. loading capacity/pcs. in kg	25	30	40	50	80	110	140
Item-No.	63146	63147	63148	63149	63150	63151	63152
EAN-No.	4001425631462	4001425631479	4001425631486	4001425631493	4001425631509	4001425631516	4001425631523
ØD	40	50	60	70	80	100	120
b	9	10	11	13	13	16	16
c	5	7	8	10	10	11	16
Ød	5,1	5,1	5,1	5,1	5,1	10,1	10,1
e	14	15,5	18,5	20	20	24	26,5
f	15	16	20	22	22	27	31
Øn	10	13	16	20	20	22	34
r	4,5	5	5,5	6,5	6,5	8	8
weight/pc. kg	0,04	0,078	0,122	0,191	0,335	0,392	0,865



Roller Wheels and Pulleys

Pulleys with Friction Bearing

HBS-Pulleys

with round groove

Material:

high-quality cast or galvanized steel*

Features:

The rollers are turned and drilled and has got a friction bearing.



HBS-Plastic Pulleys

with round groove

Material:

polyamide

Features:

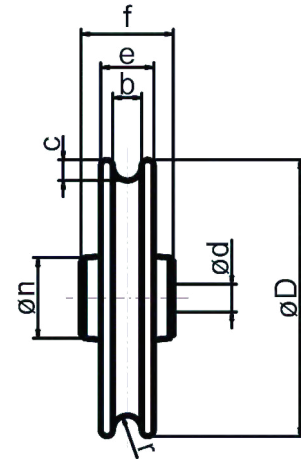
The roller has got a friction bearing.



suitable for

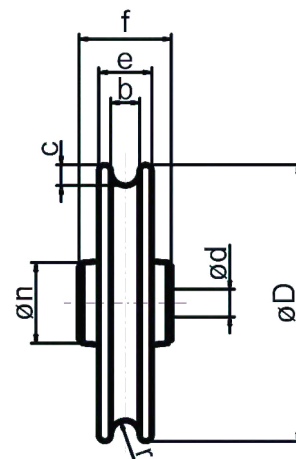
max. rope in mm		Ø 4	Ø 5	Ø 6	Ø 6	Ø 6
max. loading capacity/pcs. in kg		10	10	15	18	18
Item-No.		83193*	83194*	83195*	63159	63160
EAN-No.		4001425831930	4001425831947	4001425831952	4001425630656	4001425631608
	ØD	20	25	30	40	50
	b	4	5	6	6	6
	c	3	3	4	4	4
	Ød	4,1	4,1	4,1	5,1	5,1
	e	8	10	10	11,5	12
	f	11	11	11	12,5	13
	Øn	10	10	10	10	12
	r	2	2,5	3	3	3
weight/pc.	kg	0,012	0,03	0,04	0,06	0,1
max. rope in mm		Ø 8	Ø 8	Ø 8,5	Ø 8,5	
max. loading capacity/pcs. in kg		22	22	22	30	
Item-No.		63161	63162	63163	63164	
EAN-No.		4001425631615	4001425631622	4001425631639	4001425631646	
ØD	60	70	80	100		
b	8	8	8,5	8,5		
c	5	6	6	8		
Ød	5,1	5,1	5,1	5,1		
e	12	13	16	16		
f	13	14,5	17	17		
Øn	19	18	18	19,5		
r	4	4	4,25	4,25		
weight/pc.	kg	0,13	0,16	0,26	0,34	

*steel



suitable for

max. rope in mm		Ø 6	Ø 8	Ø 8	Ø 13
max. loading capacity/pcs. in kg		15	18	20	22
Item-No.		83210	83211	83212	83213
EAN-No.		4001425832104	4001425832111	4001425832128	4001425832135
	ØD	30	40	48	60
	b	6	8	8	13
	c	4	4	4	6,5
	Ød	4,1	5,1	5,1	5,2
	e	10	13	12	18
	f	11	15	15	19
	Øn	10	18	16,5	14
	r	3	4	4	6,5
weight/pc.	kg	0,45	0,76	1,16	1,72



Roller Wheels and Pulleys

Pulleys with Friction Bearing

HBS-Plastic Pulleys

with round groove

Material:

polyamide

Features:

The roller has got a friction bearing.



HBS-Plastic Pulleys

with round groove

Material:

polyamide

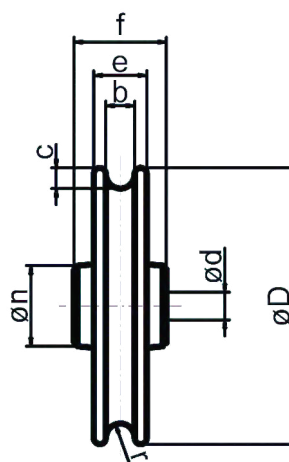
Features:

The roller has got a friction bearing.



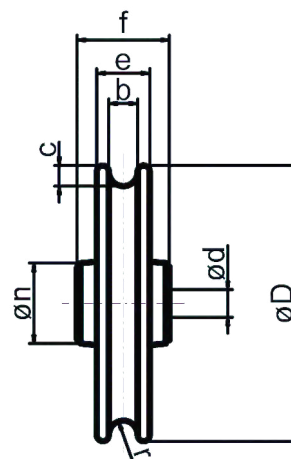
suitable for

max. rope in mm	Ø 6,2	Ø 8	Ø 4	Ø 15
max. loading capacity/pcs. in kg	50	50	70	250
Item-No.	87015	87016	87017	87018
EAN-No.	4001425870151	4001425870168	4001425870175	4001425870182
ØD	67	78	100	126
b	6,2	8	4	15
c	9	4	9,5	14
Ød	10	10	10	30,5
e	12	12	12	34
f	13,5	15	17	43
Øn	19	16,5	30	72
r	3,1	4	2	7,5
weight/pc. kg	0,012	0,03	0,07	0,42



suitable for

max. rope in mm	Ø 8	Ø 8	Ø 8	Ø 7	Ø 11
max. loading capacity/pcs. in kg	35	45	50	70	75
Item-No.	87023	87024	87025	87026	87027
EAN-No.	4001425870236	4001425870243	4001425870250	4001425870267	4001425870274
ØD	40	48	65	73	76
b	8	8	8	7	11
c	4	4	4	4	5
Ød	6	8	8	10	11
e	13	12,5	12,5	13	15
f	15	15	15	17	17
Øn	18	16,5	16,5	20	20
r	4	4	4	3,5	5,5
weight/pc. kg	0,01	0,01	0,02	0,04	0,05



suitable for

max. rope in mm	Ø 13	Ø 10	Ø 16	Ø 17	Ø 25
max. loading capacity/pcs. in kg	120	130	160	200	320
Item-No.	87028	87032	87029	87030	87031
EAN-No.	4001425870281	4001425870328	4001425870298	4001425870304	4001425870311
ØD	80	90	100	120	150
b	13	10	18	17	25
c	9	10	13	15,5	18,5
Ød	12	10	15	15	20
e	21	18	25	27,5	33,5
f	25	21	28	33	42
Øn	30	21	38	40	46
r	6,5	5	8	8,5	12,5
weight/pc. kg	0,07	0,08	0,12	0,19	0,34

Roller Wheels and Pulleys

Pulleys with Roller Bearing

HBS-Pulleys

with round groove

Material:

high-quality cast

Features:

with roller bearing



HBS-Cast Pulleys

with welded in stud bolt

Material:

bracket of galvanized steel;
roller of cast

Features:

The roller has got a roller bearing.

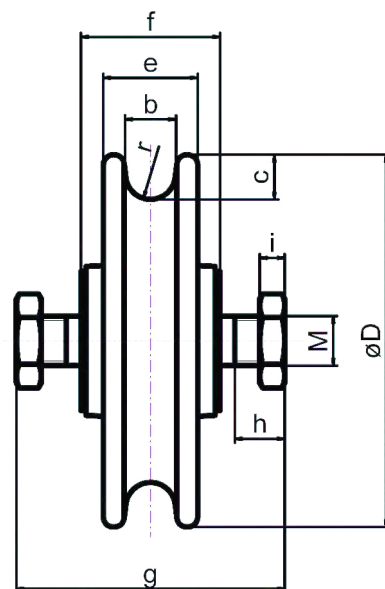


suitable for

max. rope in mm	Ø 10	Ø 10	Ø 12	Ø 12
max. loading capacity/pcs. in kg	35	50	75	100
Item-No.	63001	63002	63003	63004
EAN-No.	4001425630014	4001425630021	4001425630038	4001425630045
ØD	75	90	105	120
b	11	11	13	13
c	9	9	10	10
e	19	20	23	21,5
f	28	33	35	39
g	54	61	67	75
h	10	10	14	14
i	8	8	10	10
r	5	5	6	6
thread	M	M 10	M 10	M 12
weight/pc.	kg	0,36	0,53	0,74

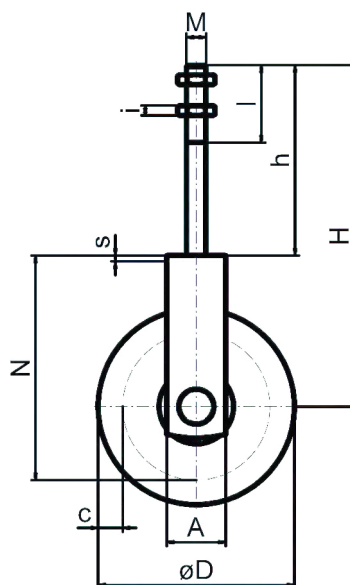
suitable for

max. rope in mm	Ø 16	Ø 16	Ø 16	Ø 16
max. loading capacity/pcs. in kg	135	175	250	320
Item-No.	63005	63006	63007	63008
EAN-No.	4001425630052	4001425630069	4001425630076	4001425630083
ØD	140	160	200	250
b	17	17	17	17
c	11	11	11	16
e	26	26	26,5	40
f	45	45	49	62
g	85	83	93	110
h	16	16	16	16
i	11	11	13	19
r	8	8	8	8
thread	M	M 14	M 14	M 16
weight/pc.	kg	0,36	0,53	0,74



suitable for

max. rope in mm	Ø 12	Ø 16	Ø 16
max. loading capacity/pcs. in kg	75	135	250
Item-No.	63059	63060	63061
EAN-No.	4001425630595	4001425630601	4001425630618
ØD	105	140	200
c	10	11	11
h	112	122	123
i	10	13	13
l	51	51	50
s	6	8	10
A	30	45	70
H	180	212	266
N	110	148	232
thread	M	M 12	M 16
weight/pc.	kg	1,17	2,44



Roller Wheels and Pulleys

Pulleys with Ball Bearing

HBS-Ball Bearing Pulleys

with round groove

Material:

Stahl, gehärtet

Features:

The pulley slides easily and has got a tapered ball bearing.



HBS-Plastic Pulleys

with rund groove

Material:

high-quality polyamide

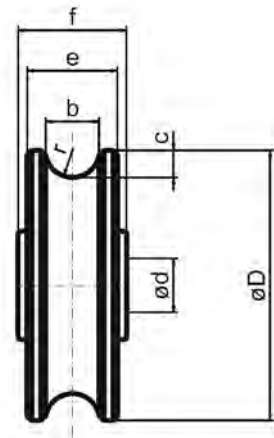
Features:

The pulley has got a good loading capacity and slides easily. It has also a ball bearing (s. table).



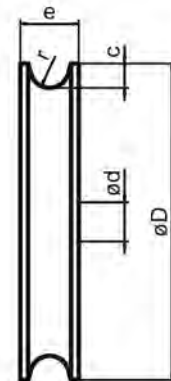
suitable for

max. rope in mm	Ø 6	Ø 7	Ø 7	Ø 7	Ø 10
max. loading capacity/pcs. in kg	65	85	85	85	130
Item-No.	87005	87011	87010	87008	87009
EAN-No.	4001425870052	4001425870113	4001425870106	4001425870083	4001425870090
ØD	30	40	50	60	80
b	6	7	7	7	10
c	3	3,5	3,5	3,5	5
Ød	7,1	8,1	8,1	8,1	10,2
e	10	11	11	11	13
f	12	12	12	12	16
r	3	3,5	3,5	3,5	5
weight/pc. kg	0,04	0,08	0,13	0,21	0,42



suitable for

max. rope in mm	Ø 5	Ø 4	Ø 5	Ø 4,4
max. loading capacity/pcs. in kg	50	50	81	100
Item-No.	63900	63901	63902	63904
EAN-No.	4001425639000	4001425639017	4001425639024	4001425639048
ØD	40	50	65	71
c	5	6	6	4,5
Ød	8	10	10	10
e	12,5	12,5	13	12,5
r	2,5	2	2,5	2,2



suitable for

max. rope in mm	Ø 8	Ø 4	Ø 6	Ø 5,2
max. loading capacity/pcs. in kg	138	85	150	145
Item-No.	63905	63907	63909	63910
EAN-No.	4001425639055	4001425639079	4001425639093	4001425639109
ØD	78	80	98	132
c	11	6	9	8
Ød	10	10	10	12
e	15	12	22	14
r	4	2	3	2,6
ball bearing	6000ZZ	6000ZZ	2x6000ZZ	6201ZZ
weight/pc. kg	0,06	0,06	0,12	0,17

Roller Wheels and Pulleys

Pulleys with Ball Bearing

HBS-Plastic Pulleys

with round groove

Material:

high-quality polyamide

Features:

The pulley has got a good loading capacity and slides easily. It has also a ball bearing (s. table).



HBS-Plastic Pulleys

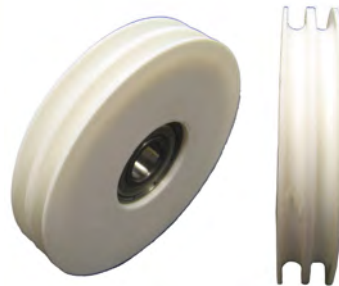
with round groove

Material:

high-quality polyamide

Features:

The pulley has got a double rope groove and a good loading capacity. It has also a injected ball bearing.



HBS-Steel Pulleys

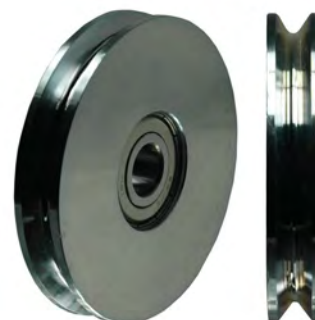
with round groove

Material:

galvanized steel

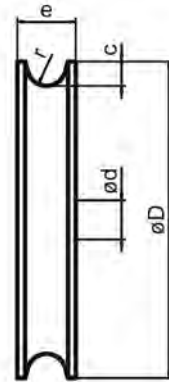
Features:

The pulley has got a high loading capacity and slides easily. It also has got a ball bearing (s. table).



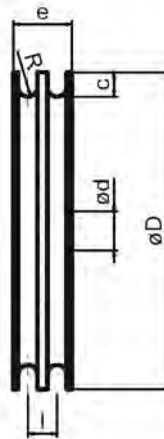
suitable for

max. rope in mm	Ø 8	Ø 12	Ø 8
max. loading capacity/pcs.	140	245	225
Item-No.	63903	63906	63908
EAN-No.	4001425639031	4001425639062	4001425639086
ØD	65	78	80
c	5	6	15
Ød	10	15	15
e	12	18,5	21
r	4	6	4
ball bearing	6000ZZ	6202ZZ	6202ZZ
weight/pc. kg	0,05	0,09	0,1



suitable for

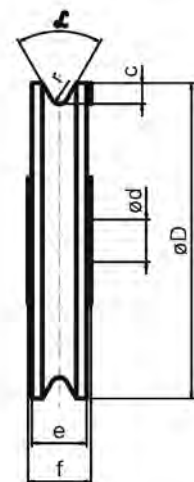
max. rope in mm	Ø 4
max. loading capacity/pcs.	140
Item-No.	73104
EAN-No.	4001425731049
ØD	65
c	5
Ød	10
e	12
l	6
r	2
weight/pc. kg	0,049



suitable for

max. rope in mm	Ø 4	Ø 6,5	Ø 6	Ø 5	Ø 10	Ø 8
max. loading capacity/pcs.	85	155	205	195	450	900
Item-No.	63800	63803	63805*	63806	63808	73010
EAN-No.	4001425638003	4001425638034	4001425638058	4001425638065	4001425638089	4001425730103
ØD	75	100	120	134	150	216
c	5	6,5	9	9	9	8
Ød	12	30	15	15	25	30
e	13	26	23,5	20	27	27
f	13	26	26	20	27	27
r	2	3,25	3	2,5	5	4
α	60°	60°	75°	30°	60°	45°
ball bearing	6201ZZ	6006ZZ	2x6002ZZ	63022RS	6205ZZ	6206ZZ
weight/pc. kg	0,55	1,55	1,76	1,88	2,98	6,95

*with 2 ball bearings



Roller Wheels and Pulleys

Pulleys with Casing

HBS-Plastic Double Pulleys

with round groove

Material:

roller of high-quality polyamide
and casing of galvanized steel

Features:

The pulley has got a good loading capacity and slides easily. It has also a ball bearing.



HBS-Plastic Pulleys

with round groove

Material:

roller of high-quality polyamide
and casing of galvanized steel

Features:

The pulley has got a good loading capacity and slides easily. It has also a ball bearing.



HBS-Plastic Pulleys

with round groove

Material:

roller of high-quality polyamide
and casing of galvanized steel

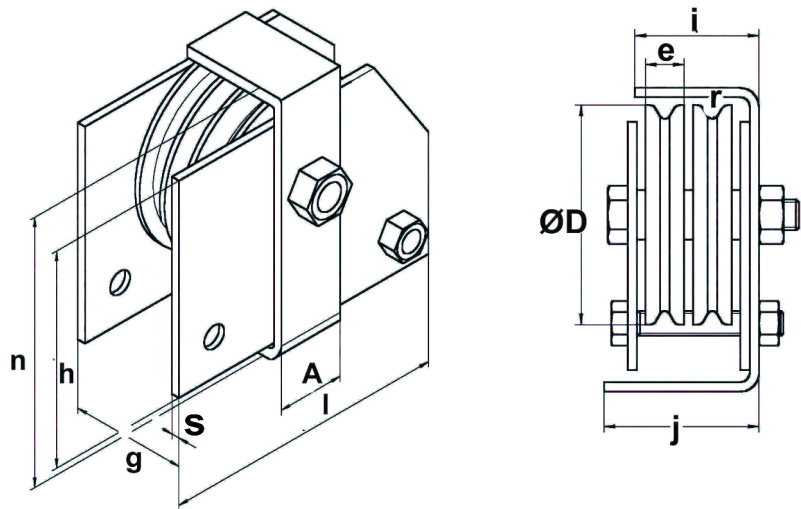
Features:

The pulley has got a good loading capacity and slides easily. It has also a ball bearing.



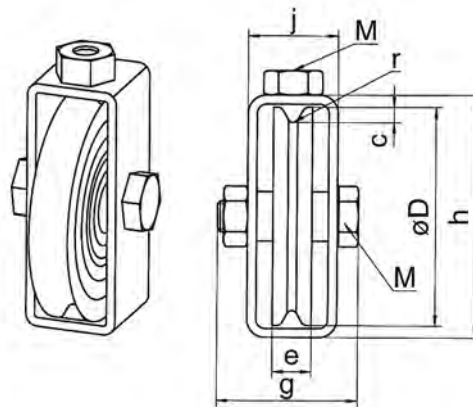
suitable for

max. rope in mm	Ø 4,4	
max. loading capacity/pcs.	140	
Item-No.		73112
EAN-No.		4001425731124
ØD	71	
e	12,5	
g	41	
h	80	
i	40	
j	50	
l	106	
n	99	
r	2,2	
s	3	
A	25	
weight/pc.	kg	0,05



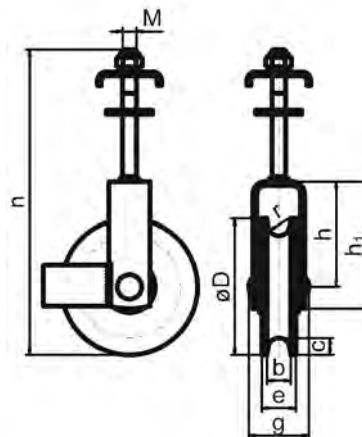
suitable for

max. rope in mm	Ø 3,5	
max. loading capacity/pcs.	100	
Item-No.		73111
EAN-No.		4001425731117
ØD	72	
c	5	
e	13	
g	50	
h	80	
j	30	
M	10	
r	1,75	
weight/pc.	kg	0,249



suitable for

max. rope in mm	Ø 16	
max. loading capacity/pcs.	50	
Item-No.		73117
EAN-No.		4001425731117
ØD	100	
b	17	
c	12,5	
e	25	
g	42	
h	77	
h¹	93	
n	224	
r	8	
M	10	
weight/pc.	kg	0,249



Roller Wheels and Pulleys

Pulleys with Woodscrew

HBS-Screw-in Pulleys

with round groove

Material:

roller of high-quality cast, ungalvanized or galvanized** or of steel, galvanized*; bracket, rivet axle and wood screw of galvanized steel

Features:

The pulley can be used for rope redirection with small loading capacities. The wood screw is rivet in. The roller has got a friction bearing.



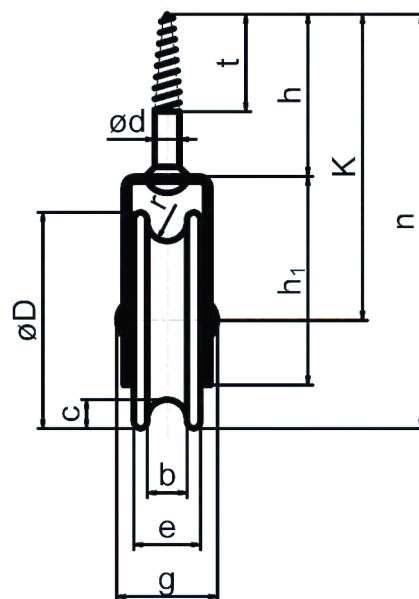
suitable for

max. rope in mm	Ø 4	Ø 5	Ø 6	Ø 6	Ø 6
max. loading capacity/pcs.	15	15	15	18	22
Item-No.	63166*	63168*	63170*	63171	63172
EAN-No.	4001425631660	4001425631684	4001425631707	4001425631714	4001425631721
with galv. cast roller				63193**	63194**
EAN-No.				4001425631936	4001425631943
ØD	20	25	30	40	50
b	4	5	6	6	6
c	3	3	4	4	4
Ød	7,1	7,1	7,1	7,1	7,1
e	8	10	10	11,5	12
g	~20	~20	~20	~23	~27
h	45	45	45	45	45
h¹	34	34	34	44	53
n	79	79	81,5	96	113
r	2	2,5	3	3	3
t	27	27	27	27	27
K	66,5	66,5	66,5	76	88
weight/pc. kg	0,04	0,06	0,07	0,07	0,16

* galvanized steel pulley

suitable for

max. rope in mm	Ø 8	Ø 8	Ø 8,5	Ø 8,5
max. loading capacity/pcs.	22	22	30	30
Item-No.	63173	63174	63175	63176
EAN-No.	4001425631738	4001425631745	4001425631752	4001425631769
with galv. cast roller	63195**	63198**	63196**	63197**
EAN-No.	4001425631950	4001425631981	4001425631967	4001425631974
ØD	60	70	80	100
b	8	8	8,5	8,5
c	5	5	6	6
Ød	7,1	7,1	8	8
e	12	13	16	14
g	~27	~27	~30	~30
h	45	60	60	70
h¹	53	53	68	68
n	118	138	176	178
r	4	4	4,25	4,25
t	27	40	40	40
K	88	103	118	128
weight/pc. kg	0,19	0,26	0,34	0,41



Roller Wheels and Pulleys

Pulleys with Woodscrew

HBS-Plastic Screw-in Pulleys

with round groove

Material:

roller of polyamide and bracket, rivet axle and wood screw of galvanized steel

Features:

The pulley can be used for rope redirection with small loading capacities. The wood screw is rivet in. The roller has got a friction bearing.



HBS-Screw-in Pulleys

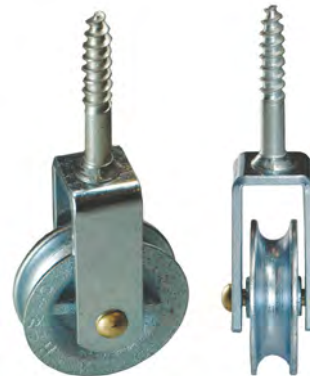
with round groove

Material:

roller of high-quality cast or polyamide*
bracket, rivet axle and wood screw of galvanized steel

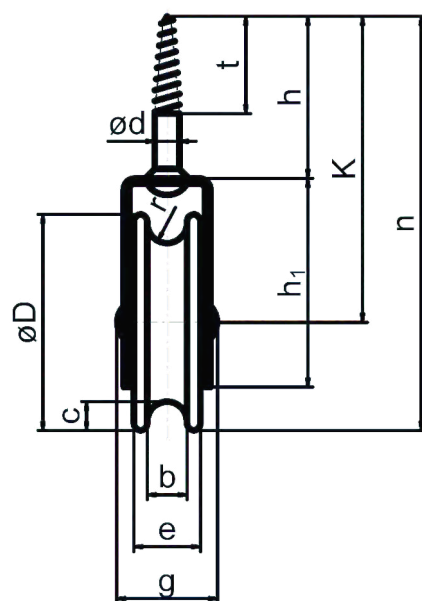
Features:

The pulley can be used for rope redirection with small loading capacities. The wood screw is rivet in. The roller has got a friction bearing.



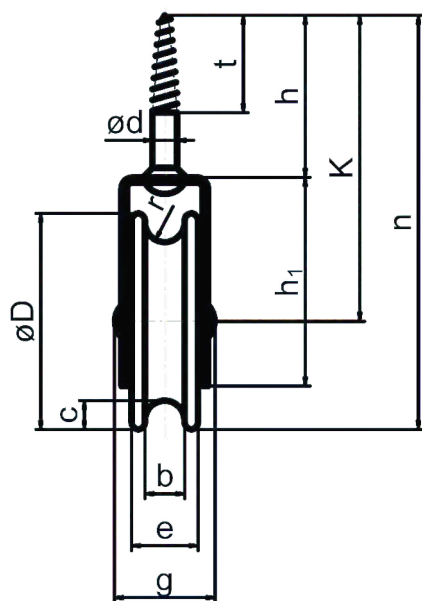
suitable for

max. rope in mm		Ø 6	Ø 8	Ø 8	Ø 13	Ø 11
max. loading capacity/pcs.		15	18	22	22	22
Item-No.		63177	63178	63179	63227	63228
EAN-No.		4001425631776	4001425631783	4001425631790	4001425632278	4001425632285
	ØD	30	40	48	60	76
	b	5	8	8	13	11
	c	4	4	4	6	5
	Ød	7,1	7,1	7,1	7,1	8,1
	e	10	12	12	18	16
	g	~20	~25	~27	~31	~34
	h	45	45	45	45	70
	h¹	34	44	53	58	68
	n	81,5	96	112	119	165
	r	3	4	4	6,5	5,5
	t	27	27	27	38	38
	K	66,5	76	88	107	127
weight/pc.	kg	0,03	0,05	0,07	0,09	0,15



suitable for

max. rope in mm		Ø 9	Ø 10	Ø 10	Ø 13
max. loading capacity/pcs.		22	22	22	22
Item-No.		63087	63088	63089	63103*
EAN-No.		4001425630878	4001425630885	4001425630892	4001425631035
	ØD	45	60	80	60
	b	9	10	10	13
	c	6	7	8	6,5
	Ød	7,1	7,1	7,1	7,1
	e	13	16	17,5	18
	g	~28	~32	~32	~32
	h	45	60	60	60
	h¹	52	58	68	58
	n	108,5	139	165	139
	r	4,5	5	5	6,5
	t	27	40	40	40
	K	86	109	118	109
weight/pc.	kg	0,15	0,24	0,34	0,09



Roller Wheels and Pulleys

Pulleys with Woodscrew

HBS-Screw-in Pulleys

with round groove

Material:

roller of high-quality cast, bracket, rivet axle and wood screw of galvanized steel

Features:

The pulley can be used for rope redirection with small loading capacities. The wood screw is rivet in. The roller has got a friction bearing.

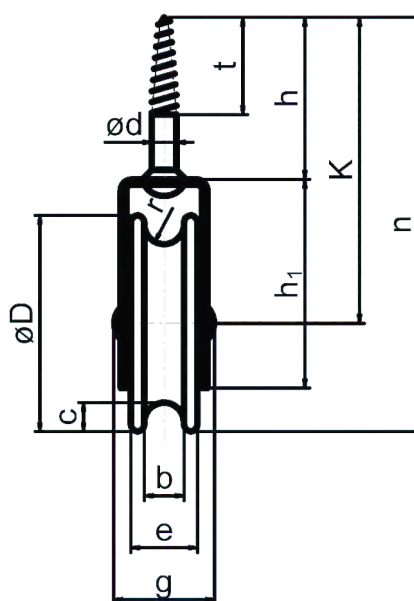


suitable for

max. rope in mm		Ø 9	Ø 10	Ø 11	Ø 13
max. loading capacity/pcs.		18	22	22	22
Item-No.		63125	63126	63127	63128
EAN-No.		4001425631257	4001425631264	4001425631271	4001425631288
	ØD	40	50	60	70
	b	9	10	11	13
	c	5	7	8	10
	Ød	7,1	7,1	7,1	7,1
	e	14	15,5	18,5	20
	g	~26	~27	~30	~33
	h	45	45	60	60
	h¹	42	52	58	67
	n	95	105	130	145
	r	4,5	5	5,5	6,5
	t	27	27	40	40
	K	75	80	100	110
weight/pc.	kg	0,08	0,14	0,18	0,26

suitable for

max. rope in mm		Ø 13	Ø 16	Ø 16
max. loading capacity/pcs.		22	40	55
Item-No.		63129	63130	63131
EAN-No.		4001425631295	4001425631301	4001425631318
	ØD	80	100	120
	b	13	16	16
	c	10	11	11
	Ød	7,1	8	8
	e	20	24	26,5
	g	~33	~48	~51
	h	60	70	70
	h¹	67	80	93
	n	150	194	210
	r	6,5	8	8
	t	40	40	40
	K	110	137	147
weight/pc.	kg	0,37	0,63	1,08



Roller Wheels and Pulleys

Pulleys with Woodscrew

HBS-Screw-in Pulleys

with round groove

Material:

roller of high-quality cast, bracket rivet axle and wood screw of galvanized steel

Features:

The pulley can be used for rope redirection with small loading capacities. Because of the hinge there is a pendulum compensation. The roller has got a friction bearing.



HBS-Screw-in Pulleys

with round groove

Material:

roller of polyamide, bracket, rivet axle and wood screw of galvanized steel

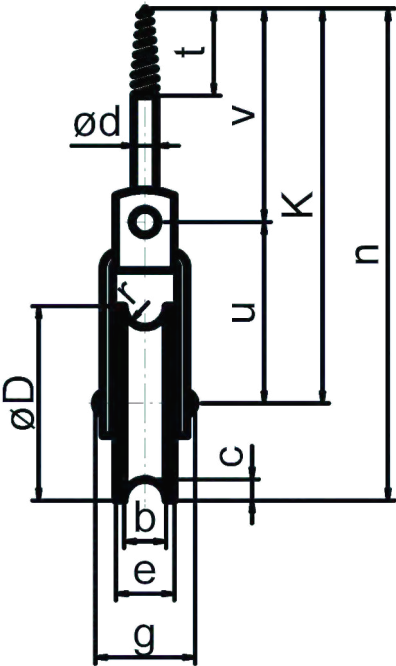
Features:

The pulley can be used for rope redirection with small loading capacities. Because of the hinge there is a pendulum compensation. The roller has got a friction bearing.



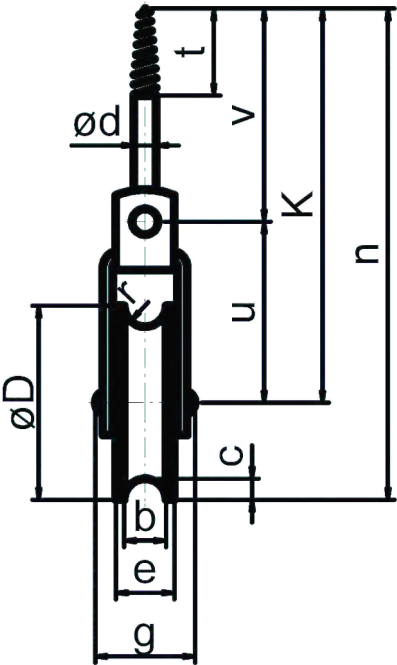
suitable for

max. rope in mm		Ø 10	Ø 10
max. loading capacity/pcs.		22	30
Item-No.		63099	63100
EAN-No.		4001425630991	4001425631004
	ØD	60	80
	b	10	10
	c	7	7
	Ød	8	8
	e	16	17,5
	g	~32	~32
	n	151	171
	r	5	5
	t	40	40
	u	63	73
	v	69	69
	K	121	131
	weight/pc.	kg	0,28



suitable for

max. rope in mm		Ø 13	Ø 11
max. loading capacity/pcs.		22	22
Item-No.		63107	63226
EAN-No.		4001425631073	4001425632261
	ØD	60	80
	b	13	11
	c	6,5	5
	Ød	8	8
	e	18	16
	g	~32	~36
	n	153	174
	r	6,5	5,5
	t	40	30
	u	56	66
	v	70	70
	K	121	138
weight/pc.	kg	0,13	0,18



Roller Wheels and Pulleys

Pulleys with Eye Bolt

HBS-Pulleys with Eye Bolt

with round groove

Material:

roller of high-quality cast, bracket and eye bolt of galvanized steel

Features:

The pulley can be used for rope redirection with small loading capacities. The roller has got a friction bearing.



HBS-Pulleys with Eye Bolt

with round groove

Material:

roller of polyamide, bracket and eye bolt of galvanized steel

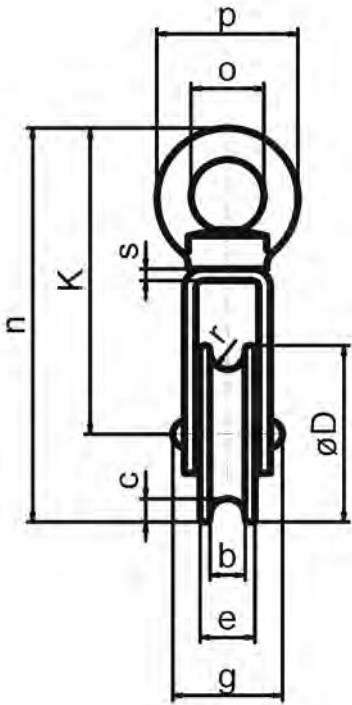
Features:

The pulley can be used for rope redirection with small loading capacities. The roller has got a friction bearing.



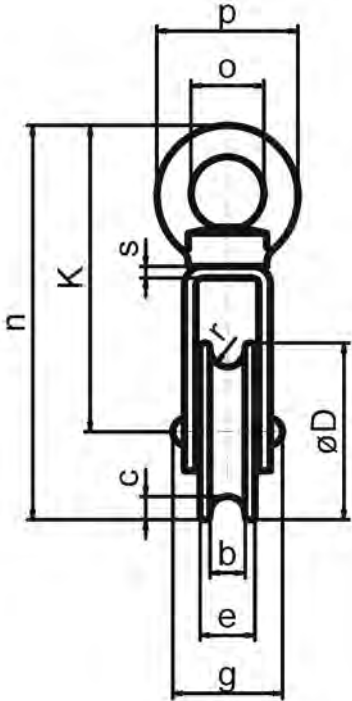
suitable for

max. rope in mm		Ø 9	Ø 10	Ø 10
max. loading capacity/pcs.		18	22	30
Item-No.		63093	63094	63095
EAN-No.		4001425630939	4001425630946	4001425630953
with turnable eye nut		63230	63231	63232
EAN-No.		4001425632308	4001425632315	4001425632322
	ØD	45	60	80
	b	9	10	10
	c	6	7	7
	e	14	16	17,5
	g	~28	~32	~32
	n	100	112	134
	o	20	20	20
	p	36	36	36
	r	4,5	5	5
	s	3	3	3
	K	76	83	94
weight/pc.	kg	0,14	0,24	0,34



suitable for

max. rope in mm		Ø 8	Ø 13	Ø 11
max. loading capacity/pcs.		18	22	22
Item-No.		63212	63105	63213
EAN-No.		4001425632124	4001425631059	4001425632131
with turnable eye nut		63229	63233	63234
EAN-No.		4001425632292	4001425632339	4001425632346
	øD	48	60	76
	b	8	13	11
	c	4	6,5	5
	e	12	18	15
	g	~28	~32	~34
	n	102	122	132
	o	12	12	12
	p	28	28	28
	r	4	6,5	5,5
	s	3	3	3
	K	80	92	95
weight/pc.	kg	0,1	0,11	0,16



Roller Wheels and Pulleys

Pulleys with Thread Screw

HBS-Cast Pulleys with Thread Screw

with round groove

Material:

roller of high-quality cast, bracket, thread screw and nut of galvanized steel

Features:

The pulley can be used for rope redirection with small loading capacities. The roller has got a friction bearing.



HBS-Plastic Pulleys with Thread Screw

with round groove

Material:

roller of polyamide, bracket, thread screw and nut of galvanized steel

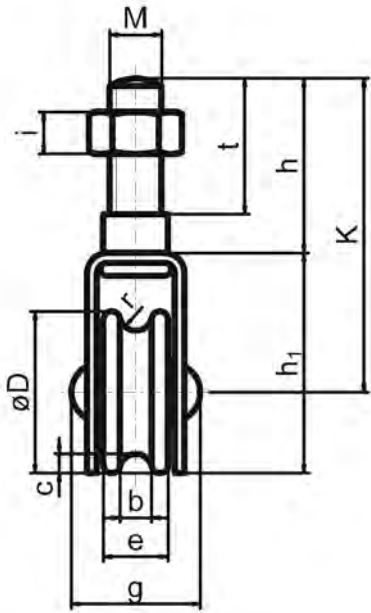
Features:

The pulley can be used for rope redirection with small loading capacities. The roller has got a friction bearing.



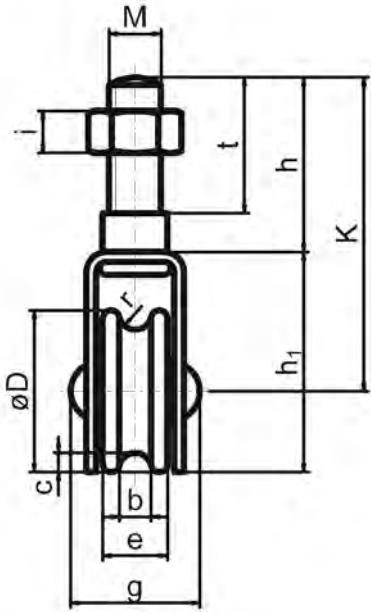
suitable for

max. rope in mm		Ø 9	Ø 10	Ø 10
max. loading capacity/pcs.		18	22	22
Item-No.		63096	63097	63098
EAN-No.		4001425630960	4001425630977	4001425630984
	ØD	45	60	80
	b	9	10	10
	c	6	7	7
	e	14	16	17,5
	g	~28	~31	~32
	h	27	27	27
	h¹	52	59	67
	i	6,5	6,5	6,5
	r	4,5	5	5
	t	21	21	21
	K	62	68	78
thread	M	M 8	M 8	M 8
weight/pc.	kg	0,13	0,22	0,31



suitable for

max. rope in mm		Ø 9	Ø 10	Ø 10
max. loading capacity/pcs.		18	22	22
Item-No.		63214	63106	63215
EAN-No.		4001425632148	4001425631066	4001425632155
	ØD	48	60	76
	b	8	13	11
	c	4	7	7
	e	12	16	17,5
	g	~27	~31	~32
	h	27	27	27
	h ¹	52	59	67
	i	6,5	6,5	6,5
	r	6,5	6,5	4
	i	20	21	21
	t	20	20	20
	K	62	68	78
thread	M	M 8	M 8	M 8
weight/pc.	kg	0,06	0,07	0,13



Roller Wheels and Pulleys

Pulleys with Masonry Pin

HBS-Cast Pulleys with Masonry Pin

with round groove

Material:

roller of high-quality cast, bracket and masonry pin of galvanized steel

Features:

The pulley can be used for rope redirection with small loading capacities. The roller has got a friction bearing.



HBS-Plastic Pulleys with Masonry Pin

with round groove

Material:

roller of polyamide, bracket and masonry pin of galvanized steel

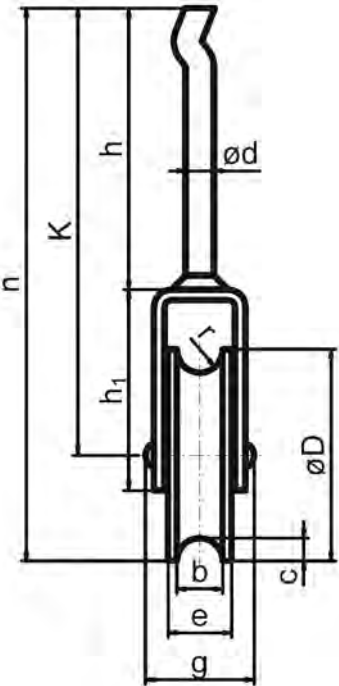
Features:

The pulley can be used for rope redirection with small loading capacities. The roller has got a friction bearing.



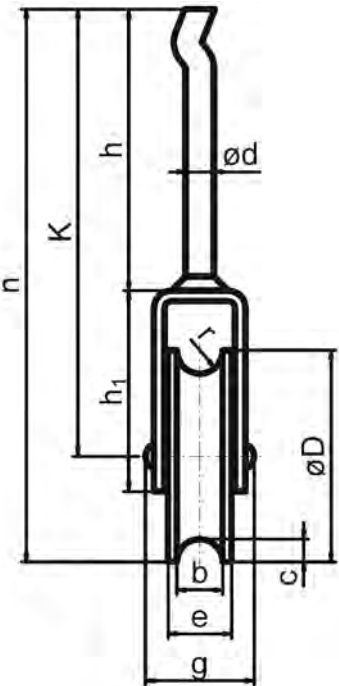
suitable for

max. rope in mm	Ø 9	Ø 10	Ø 10
max. loading capacity/pcs.	18	22	22
Item-No.	63090	63091	63092
EAN-No.	4001425630908	4001425630915	4001425630922
ØD	45	60	80
b	9	10	10
c	6	7	7
Ød	8	8	8
e	14	16	17,5
g	~28	~32	~32
h	80	80	80
h¹	52	58	68
n	146	156	178
r	4,5	5	5
K	120	126	136
weight/pc. kg	0,15	0,26	0,34



suitable for

max. rope in mm	Ø 13
max. loading capacity/pcs.	22
Item-No.	63104
EAN-No.	4001425631042
ØD	60
b	13
c	6,5
Ød	8
e	18
g	~32
h	80
h¹	52
n	158
r	6,5
K	129
weight/pc. kg	0,11



Roller Wheels and Pulleys

Pulleys with Masonry Anchor

HBS-Cast Pulleys with Masonry Anchor

with round groove

Material:

roller of high-quality cast, bracket, masonry anchor of galvanized steel

Features:

The pulley can be used for rope redirection with small loading capacities. The masonry anchor is rivert in. Because of the hinge there is a pendulum compensation. The roller has got a friction bearing.



HBS-Plastic Pulleys with Masonry Anchor

with round groove

Material:

Seilrolle aus Polyamid, Bügel, Gelenkaufnahme und Maueranker aus Stahl, verzinkt

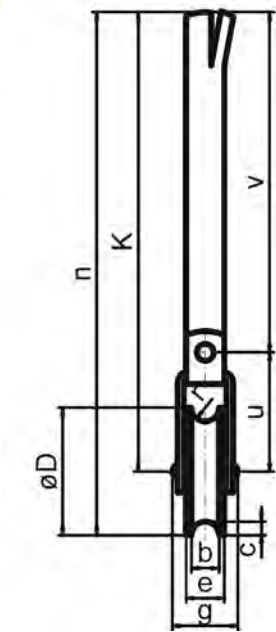
Features:

The pulley can be used for rope redirection with small loading capacities. The masonry anchor is rivert in. Because of the hinge there is a pendulum compensation. The roller has got a friction bearing.



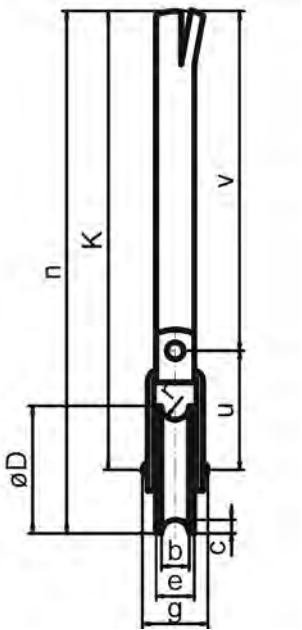
suitable for

max. rope in mm		Ø 10	Ø 10
max. loading capacity/pcs.		22	30
Item-No.		63101	63102
EAN-No.		4001425631011	4001425631028
	ØD	60	80
	b	10	10
	c	7	7
	e	16	17,5
	g	~32	~32
	n	228	248
	r	5	5
	u	42	70
	v	138	138
	K	198	208
weight/pc.	kg	0,27	0,41



suitable for

max. rope in mm		Ø 10	Ø 10
max. loading capacity/pcs.		22	22
Item-No.		63108	63216
EAN-No.		4001425631080	4001425632162
	øD	60	80
	b	13	11
	c	6,5	5
	e	18	16
	g	~32	~36
	n	220	245
	r	6,5	5,5
	u	56	62
	v	138	138
	K	198	208
weight/pc.	kg	0,17	0,22



Roller Wheels and Pulleys

Pulleys with Oval Eye

HBS-Pulleys with Oval Eye

with round groove

Material:

roller of polyamide,
cast of galvanized zinc die-cast

Features:

The pulley can be used for rope redirection with small loading capacities. The roller has got a friction bearing.



HBS-Pulleys with Oval Eye

with round groove

Material:

roller of polyamide,
cast of galvanized zinc die-cast

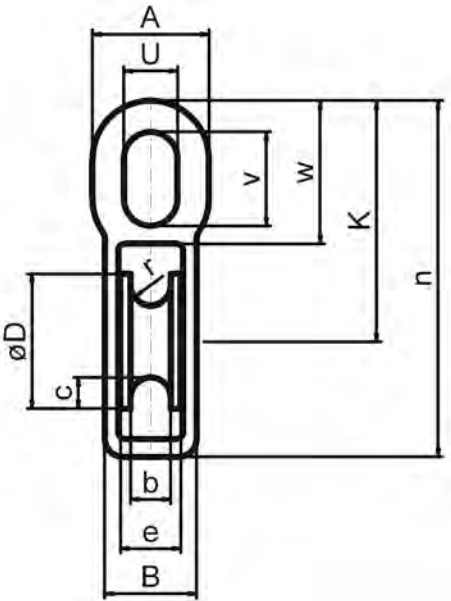
Features:

The pulley can be used for rope redirection with small loading capacities. The roller has got a friction bearing.



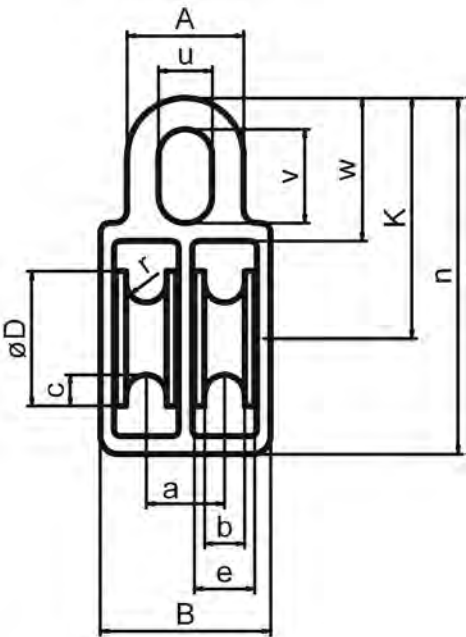
suitable for

max. rope in mm		Ø 6	Ø 8	Ø 9	Ø 12
max. loading capacity/pcs.		5	10	15	20
Item-No.		83067	63068	83069	83070
EAN-No.		4001425830674	4001425630681	4001425830698	4001425830704
	ØD	20	30	40	50
	b	6,5	8,5	10	12
	c	3,5	6	6	8
	e	10	14,5	13	16,5
	n	60	80	93	113
	r	3	4	4,5	6
	v	15	21	24	25
	w	25,5	34,5	37,5	40
	A	23	27	28	30
	B	18	22	22	27
	K	40,5	55	63	74,5
	U	11	13	13	15
weight/pc.	kg	0,04	0,08	0,13	0,19



suitable for

max. rope in mm		Ø 6	Ø 8
max. loading capacity/pcs.		7	10
Item-No.		83082	83083
EAN-No.		4001425830827	4001425830834
	øD	20	30
	a	16	21
	b	6,5	8,5
	c	3,5	6
	e	10	14,5
	n	60	80
	r	3	4
	v	15	20
	w	25,5	35
	A	23	27
	B	33	42
	K	41	55
	U	11	13
weight/pc.	kg	0,06	0,13



Roller Wheels and Pulleys

Pulleys with Hook

HBS-Pulleys with Hook

with round groove

Material:

Roller of high-quality cast or steel, bracket of steel and hook of malleable cast iron, galvanized

Features:

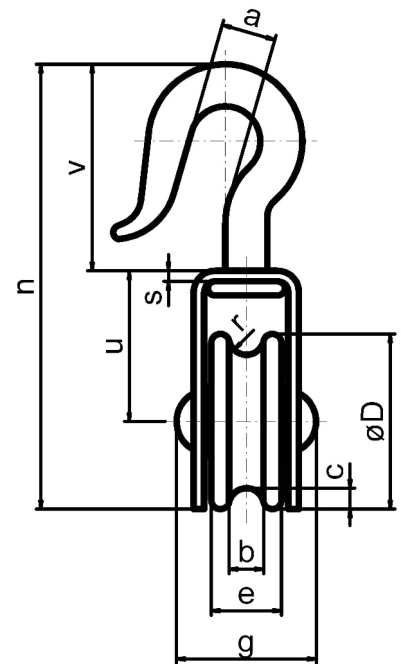
The pulley can be used for rope redirection with small loading capacities. The hook is turnable. The roller has got a friction bearing



suitable for

max. rope in mm		Ø 5	Ø 6	Ø 9	Ø 10	Ø 11
max. loading capacity/pcs.		15	15	18	22	22
Item-No.		63116*	63117*	63118	63119	63120
EAN-No.		4001425631165	4001425631172	4001425631189	4001425631196	4001425631202
	ØD	25	30	40	50	60
	a	10	10	10	10	10
	b	4,5	6	9	10	11
	c	3	4	5	7	8
	e	10	10	14	15,5	18,5
	g	~19	~21	~26	~28	~30
	n	60	65	78	94	104
	r	2,5	3	4,5	5	5,5
	s	1,5	1,5	1,5	1,5	1,5
	u	26	26	30	35	40
	v	29,5	29,5	29,5	35,5	35,5
weight/pc.	kg	0,041	0,049	0,08	0,124	0,184
max. rope in mm		Ø 13	Ø 13	Ø 16	Ø 16	
max. loading capacity/pcs.		22	22	40	50	
Item-No.		63121	63122	63123	63124	
EAN-No.		4001425631219	4001425631226	4001425631233	4001425631240	
	ØD	70	80	100	120	
	a	11	11	14	17	
	b	13	13	16	16	
	c	10	10	11	11	
	e	20	20	24	26	
	g	~33	~33	~44	~53	
	n	127	132	164	200	
	r	6,5	6,5	8	8	
	s	2	2	3	3	
	u	50	50	67	77	
	v	42	42	45	62	
weight/pc.	kg	0,275	0,411	0,58	1	

* Steel roller



Roller Wheels and Pulleys

Belt Pulleys

HBS-Plastic Belt Pulleys

Material:

pulley of high-quality polyamide

Features:

The pulley has got a good loading capacity and slides easily. You can also use it as a wheel roller or redirection roller. The roller has got two pressed in ball bearings.



HBS-Plastic Belt Pulleys

Material:

pulley of high-quality polyamide, bracket and eye or screw* of galvanized steel

Features:

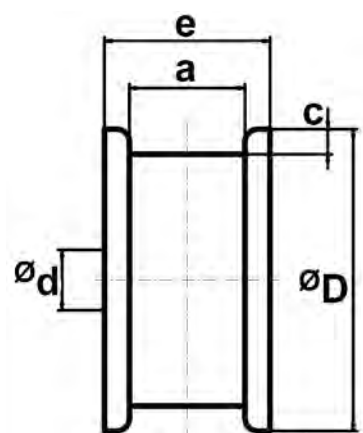
The pulley has got a good loading capacity and slides easily. You can also use it as a wheel roller or redirection roller. The roller has got two pressed in ball bearings.



*

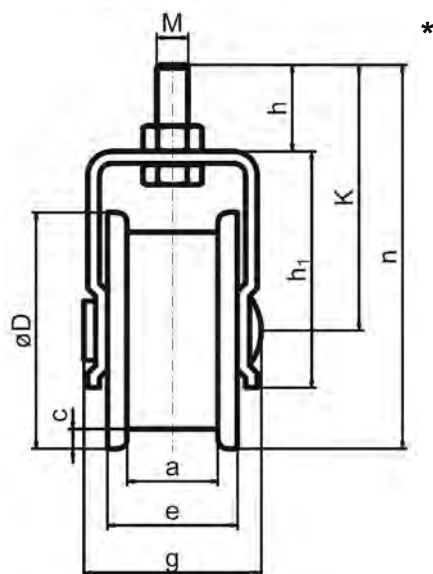
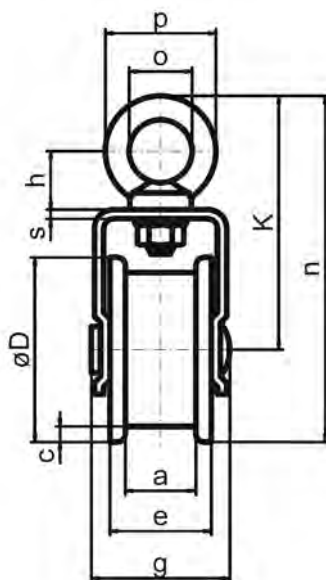
suitable for

max. belt width		22 mm	22 mm
max. loading capacity/pcs.		100	80
Item-No.		72903	72905
EAN-No.		4001425729039	4001425729053
	$\varnothing D$	60	60
	a	23	23
	c	5	5
	$\varnothing d$	15	12
	e	33	33
weight/pc.	kg	0,151	0,142



suitable for

max. belt width		22 mm	22 mm
max. loading capacity/pcs.		100	100
Item-No.		70000	70001*
EAN-No.		4001425700007	4001425700014
	$\varnothing D$	60	60
	a	23	23
	c	5	5
	e	33	33
	g	45	45
	h	19,5	22
	h'	-	62
	n	113	98
	o	20	-
	p	36	-
	A	30	30
	K	82	68
	M	-	8
	S	3	3
weight/pc.	kg	0,333	0,296



Roller Wheels and Pulleys

Pulleys with Screw-on Plate

HBS-Pulleys with Screw-on Plate

with round groove

Material:

roller of high-quality cast or steel*,
casing of galvanized steel

Features:

The roller is suitable for rope redirections with small
loading capacity and it has got a friction bearing.



HBS-Pulleys with Screw-on Plate

with round groove

Material:

roller of polyamide and casing of galvanized steel

Features:

The roller is suitable for rope redirections with small
loading capacity and it has got a friction bearing.

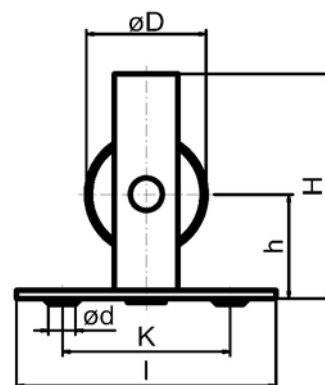
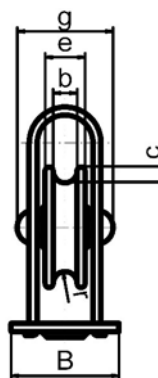


Pulleys with higher loading capacity on request!

suitable for

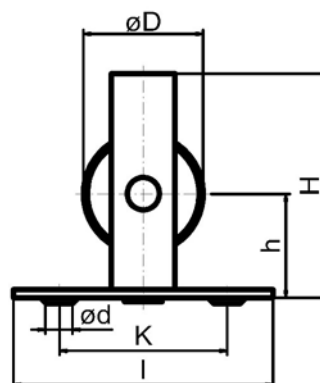
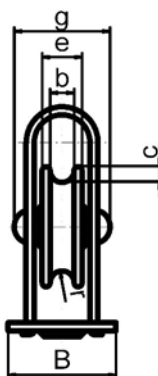
max. rope in mm		Ø 6	Ø 6	Ø 6	Ø 8
max. loading capacity/pcs.		10	10	18	18
Item-No.		63136*	63137	63138	63139
EAN-No.		4001425631363	4001425631370	4001425631387	4001425631394
	ØD	30	40	50	60
	b	6	6	6	8
	c	4	4	4	5
	Ød	4,5	4,5	4,5	4,5
	e	10	11,5	12	12
	g	~23	~24	~24	~24
	h	26	26	36	36
	l	65	65	65	65
	r	3	3	3	4
	B	27	27	27	27
	H	56	56	78	78
	K	42	42	42	42
weight/pc.	kg	0,1	0,12	0,16	0,19

*steel



suitable for

max. rope in mm		Ø 6	Ø 8	Ø 8	Ø 8
max. loading capacity/pcs.		10	10	18	18
Item-No.		63202	63203	63204	63205
EAN-No.		4001425632025	4001425632032	4001425632049	4001425632056
	ØD	30	40	48	60
	b	6	8	8	8
	c	4	4	4	5
	Ød	4,5	4,5	4,5	4,5
	e	10	12,5	12	12
	g	~23	~24	~24	~27
	h	26	26	36	36
	l	65	65	65	65
	r	3	4	4	4
	B	27	27	27	27
	H	56	56	78	78
	K	44	44	44	44
weight/pc.	kg	0,07	0,07	0,09	0,09



Roller Wheels and Pulleys

Pulleys with Screw-on Plate

HBS-Pulleys with Screw-on Plate

with round groove

Material:

roller of high-quality cast or steel*,
casing of galvanized steel

Features:

The roller is suitable for rope redirections with small
loading capacity and it has got a friction bearing.



HBS-Pulleys with Screw-on Plate

with round groove

Material:

roller of polyamide and casing of galvanized steel

Features:

The roller is suitable for rope redirections with small
loading capacity and it has got a friction bearing.

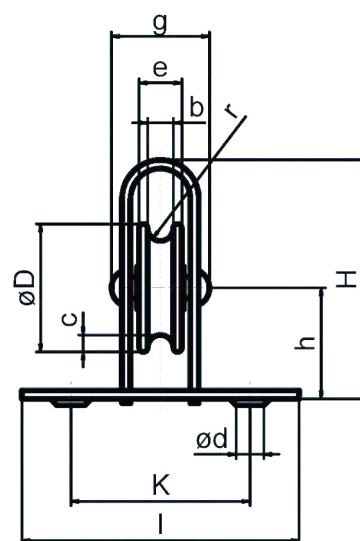


Pulleys with higher loading capacity on request!

suitable for

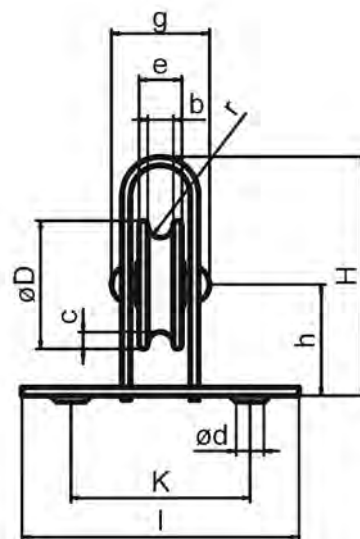
max. rope in mm		Ø 6	Ø 6	Ø 6	Ø 8
max. loading capacity/pcs.		10	10	18	18
Item-No.		63140*	63141	63142	63143
EAN-No.		4001425631400	4001425631417	4001425631424	4001425631431
	ØD	30	40	50	60
	b	6	6	6	8
	c	4	4	4	5
	Ød	4,5	4,5	4,5	4,5
	e	10	11,5	12	12
	g	~23	~24	~24	~24
	h	26	26	36	36
	l	65	65	65	65
	r	3	3	3	4
	H	56	56	78	78
	K	42	42	42	42
weight/pc.	kg	0,08	0,12	0,17	0,19

*steel



suitable for

max. rope in mm		Ø 6	Ø 8	Ø 8	Ø 8
max. loading capacity/pcs.		10	10	18	18
Item-No.		63222	63223	63224	63225
EAN-No.		4001425632223	4001425632230	4001425632247	4001425632254
	ØD	30	40	48	65
	b	6	8	8	8
	c	4	4	4	4
	Ød	4,5	4,5	4,5	4,5
	e	10	12,5	12	12
	g	~23	~24	~24	~24
	h	26	26	36	36
	l	65	65	65	65
	r	3	4	4	4
	H	56	56	78	78
	K	44	44	44	44
weight/pc.	kg	0,06	0,07	0,09	0,09



Roller Wheels and Pulleys

Pulleys with Screw-on Plate

HBS-Pulleys with Screw-on Plate

with round groove

Material:

roller of high-quality cast or polyamide*, casing of galvanized steel

Features:

The roller is suitable for rope redirections with small loading capacity and it has got a friction bearing.



HBS-Pulleys with Screw-on Plate

with round groove

Material:

roller of high-quality cast or polyamide*, casing of galvanized steel

Features:

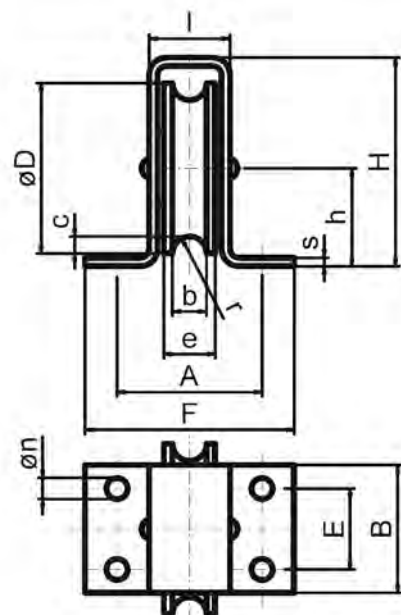
The roller is suitable for rope redirections with small loading capacity and it has got a friction bearing.



suitable for

max. rope in mm		Ø 6	Ø 6	Ø 8	Ø 8	Ø 8
max. loading capacity/pcs.		10	15	18	10	15
Item-No.		63185	63186	63187	63217*	63218*
EAN-No.		4001425631851	4001425631868	4001425631875	4001425632179	4001425632186
	b	6	6	8	8	8
	ØD	40	50	60	40	48
	c	4	4	5	4	4
	e	11,5	12	12	12,5	12
	h	22	26,5	30,5	22	26,5
	l	17	17	17	18,5	18,5
	Øn	5,1	5,1	4,5	5,1	4,5
	r	3	3	4	4	4
	s	2	2	2	2	2
	A	38	32	30	37	30
	B	43	54	63	43	55
	E	26	35	35	26	35
	F	55	45	47	50	45
	H	55	63	76	55	63
weight/pc.	kg	0,15	0,24	0,29	0,11	0,15

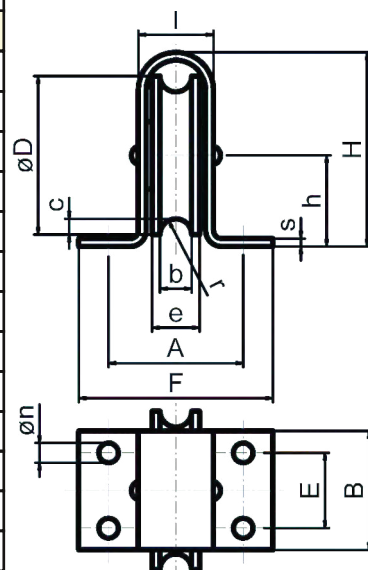
*plastic roller



suitable for

max. rope in mm		Ø 6	Ø 7	Ø 7	Ø 8	Ø 8	Ø 8
max. loading capacity/pcs.		10	15	18	10	15	18
Item-No.		63041	63042	63043	63219*	63220*	63221*
EAN-No.		4001425630410	4001425630427	4001425630434	4001425632193	4001425632209	4001425632216
	ØD	40	50	65	40	48	65
	b	8	8	8	8	8	8
	c	4	5	5	4	4	5
	e	10,5	12	12	12,5	12	12
	h	23	30	39	23	30	39
	l	19	20	19	19	20	205
	Øn	5	5	5	5	5	5
	r	3	3,5	3,5	4	4	4
	s	2	2	2	2	2	2
	A	~34	~38	~36	~36	~38	~39
	B	30	40	50	30	40	50
	E	19	20	38	19	20	38
	F	49	49	49	50	50	50
H	49	62	79	49	62	79	
weight/pc.	kg	0,12	0,18	0,27	0,08	0,12	0,17

*plastic roller



Roller Wheels and Pulleys

Side Pulleys

HBS-Side Pulleys

with round groove

Material:

pulley of high-quality cast or steel*,
casing of galvanized steel

Features:

The roller is suitable for rope redirections with small
loading capacity and it has got a friction bearing.



HBS-Side Pulleys

with round groove

Material:

roller of polyamide and casing of galvanized steel

Features:

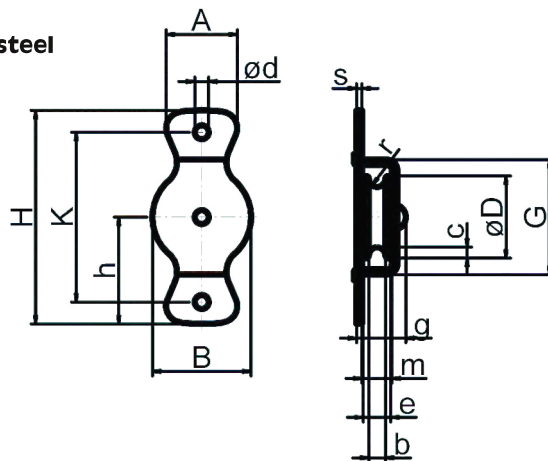
The roller is suitable for rope redirections with small
loading capacity and it has got a friction bearing.



suitable for

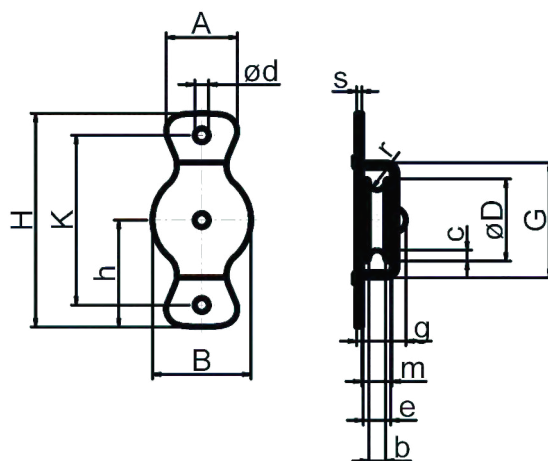
max. rope in mm		Ø 6	Ø 6	Ø 6	Ø 8
max. loading capacity/pcs.		10	10	15	18
Item-No.		63132*	63133	63134	63135
EAN-No.		4001425631325	4001425631332	4001425631349	4001425631356
	ØD	30	40	50	60
	b	6	6	6	8
	c	4	4	4	5
	Ød	4,5	5,1	5,1	5,1
	e	10	11,5	12	12
	g	~18,5	~23	~23	~23
	h	39	45,5	51	57,5
	m	16	16	17,5	18,5
	r	3	3	3	4
	s	2	2	2	2
	A	26	27	33	38
	B	36,5	40	52	60
	G	40	50	60	73
	H	78	91	102	115
	K	62	72	83	90
weight/pc.	kg	0,1	0,13	0,2	0,26

*steel



suitable for

max. rope in mm	Ø 6	Ø 8	Ø 8	
max. loading capacity/pcs.	10	10	15	
Item-No.	63206	63207	63208	
EAN-No.	4001425632063	4001425632070	4001425632087	
	ØD	30	40	48
	b	6	8	8
	c	4	4	4
	Ød	4,5	5,1	5,1
	e	10	12,5	12
	g	~18,5	~23	~23
	h	39	45,5	51
	m	16	19	17,5
	r	3	4	4
	s	2	2	2
	A	26	27	33
	B	36,5	40	52
	G	40	50	60
	H	78	91	102
	K	62	72	83
	weight/pc.	kg	0,06	0,09



Roller Wheels and Pulleys

Side Pulleys

HBS-Side Pulleys

with round groove

Material:

roller of high-quality cast and casing
of galvanized steel

Features:

The roller is suitable for rope redirections with small
loading capacity and it has got a roller bearing.



HBS-Side Pulleys

with round groove

Material:

roller of polyamide and casing
of galvanized steel

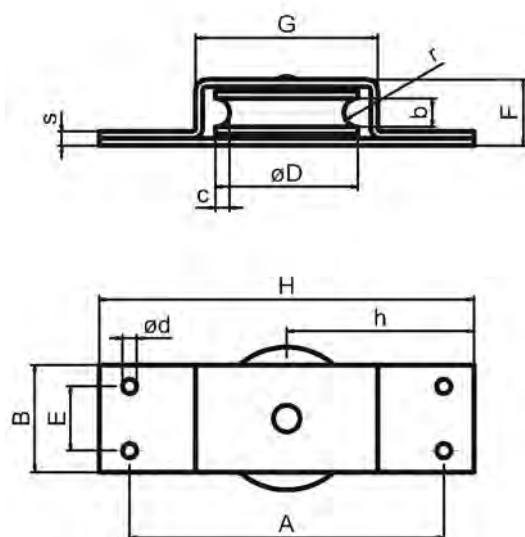
Features:

The roller is suitable for rope redirections with small
loading capacity and it has got a friction bearing.



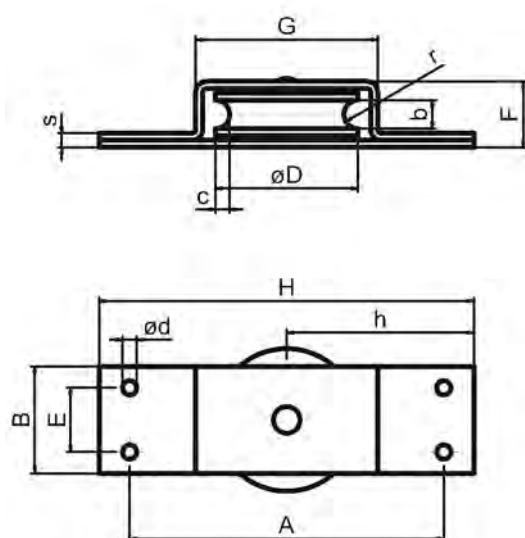
suitable for

max. rope in mm		Ø 7	Ø 7	Ø 7
max. loading capacity/pcs.		10	15	18
Item-No.		63047	63048	63049
EAN-No.		4001425630472	4001425630489	4001425630496
	ØD	40	50	65
	b	8	8	8
	c	4	5	5
	Ød	4	4	4
	h	52,5	52,5	66
	r	3,5	3,5	3,5
	s	4	4	4
	A	88	88	110
	B	30	30	50
	E	18	18	40
	F	19	19	20
	G	51	62	99
	H	105	105	132
weight/pc.	kg	0,16	0,18	0,35



suitable for

max. rope in mm		Ø 8	Ø 8	Ø 7
max. loading capacity/pcs.		10	15	18
Item-No.		63209	63210	63211
EAN-No.		4001425632094	4001425632100	4001425632117
	ØD	40	48	65
	b	8	8	8
	c	4	4	5
	Ød	4	4	4
	h	52,5	52,5	66
	r	4	4	3,5
	s	4	4	4
	A	88	88	114
	B	30	30	50
	E	18	18	40
	F	19	19	20
	G	51	62	94
	H	105	105	132
weight/pc.	kg	0,11	0,13	0,24



Roller Wheels and Pulleys

Well Pulleys

HBS-Well Pulleys

with round groove

Material:

roller of high-quality cast,
bracket, hook of painted steel

Features:

The pulley is suitable for hemp ropes and has got a anti-lift device. It has got a turnable hook and a friction bearing. It is available with rope guide and without rope guide.



HBS-Well Pulleys

with round groove

Material:

roller of high-quality cast

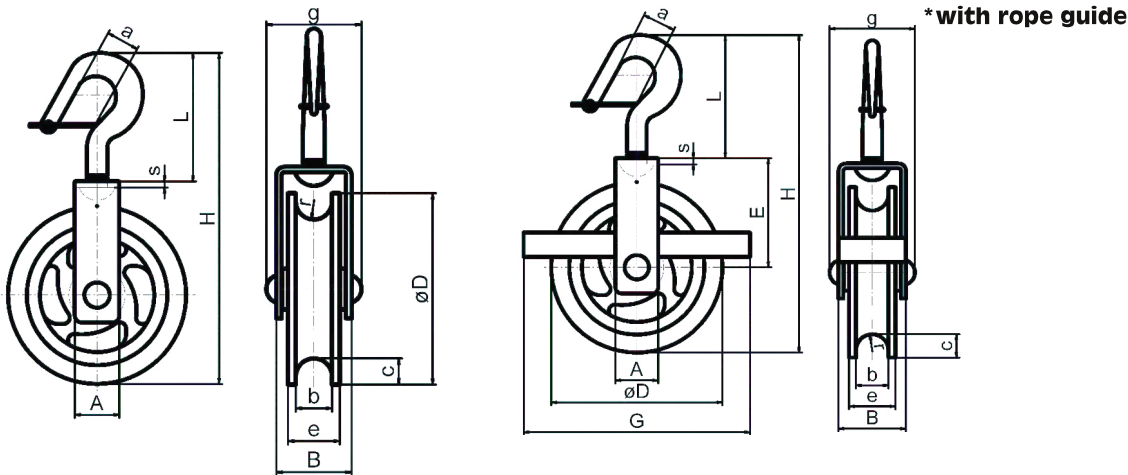
Features:

The pulley has got a friction bearing and is a replacement roller for the well pulleys 87044-48. The groove is untreated.



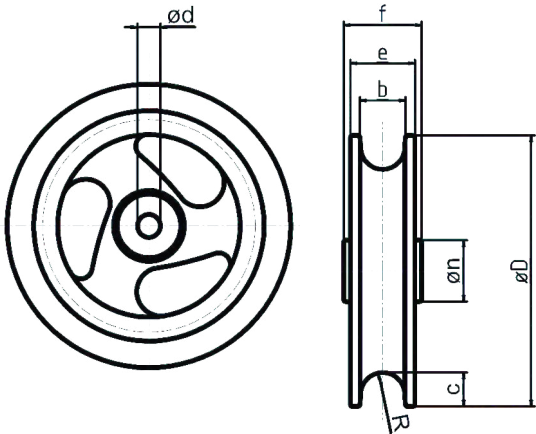
suitable for

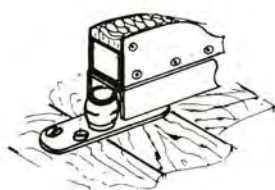
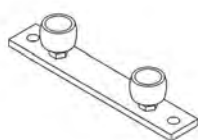
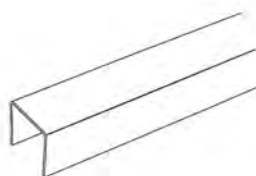
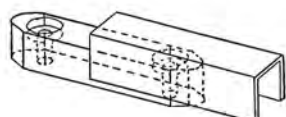
max. rope in mm		Ø 26	Ø 26	Ø 28	Ø 28	Ø 30	Ø 32
max. loading capacity/pcs.		65	75	100	110	125	150
Item-No.		83050	87039	87040	87041	87042	87043
EAN-No.		4001425830506	4001425870397	4001425870403	4001425870410	4001425870427	4001425870434
with rope guide		83058	87044	87045	87046	87047	87048
EAN-No.		4001425830582	4001425870441	4001425870458	4001425870465	4001425870472	4001425870489
	ØD	140	160	190	220	250	300
	a	25	25	25	25	25	25
	b	27	27	30	30	30	35
	c	19	20	23	21	25	30
	e	38	38	43	43	43	50
	g	75	75	90	90	90	90
	r	13	13	14	14	15	16
	s	4	4	5	5	5	6,5
	A	35	35	45	45	45	40
	B	55	55	65	65	65	65
	G	190	210	250	280	320	350
	H	254	280	320	350	380	430
	L	85	85	95	95	95	95
weight/pc.	kg	1,6	1,86	3,16	4,08	3,74	5,52



suitable for

max. rope in mm		Ø 26	Ø 28	Ø 28	Ø 30	Ø 32
max. loading capacity/pcs.		75	100	110	125	150
Item-No.		87049	87050	87051	87052	87053
EAN-No.		4001425870496	4001425870502	4001425870519	4001425870526	4001425870533
	ØD	160	190	220	250	300
	b	27	30	30	30	35
	c	20	23	21	25	30
	Ød	13	16	16	16	16
	e	38	43	43	43	50
	f	46	52	48	51	50
	Øn	35	39	41	41	50
	R	13	14	14	15	16
weight/pc.	kg	1,34	2,12	2,94	2,61	4,22





Guides

for Doors and Gates

Table of Contents

Guides - for Doors and Gates

U-Tracks, Guide Rollers

pp. 238-245

Double Guide Rollers, Guiders

pp. 244-249

Guides for Doors and Gates

HBS-Guide U-Tracks

for sliding doors and gates

Material:

sendzimir (hot-dip) galvanized

Features:

standard length 6m, 3m and 2m



HBS-Guide Rollers

to screw-on

Material:

galvanized steel; rollers of plastic* or brass

Features:

friction bearing



*plastic

HBS-Guide Rollers

to screw-on

Material:

axle and nuts of steel,
rollers of polyamide

Features:

friction bearing



HBS-Guide Rollers

on screw-on plate

Material:

screw-on plate of galvanized steel, rollers of
plastic* or brass

Features:

friction bearing



*plastic

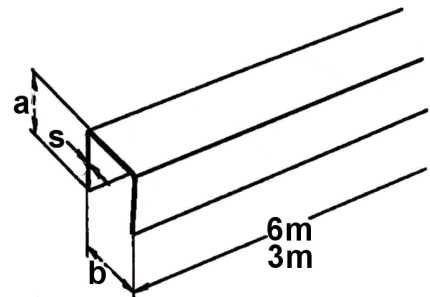


85142**

Follow Your Track

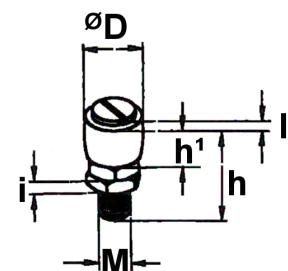


Guide Track		82110	82112	82114	
Item No.	6m	82110	82112	82114	
	3m	82008	82140		
EAN-No.	6m	4001425821108	4001425821122	4001425821145	
	3m	4001425820083	4001425821405		
	a	25	30	50	
	b	17	30	60	
	s	1,25	1,5	3	
Weight	kg/m	0,65	0,96	3,53	

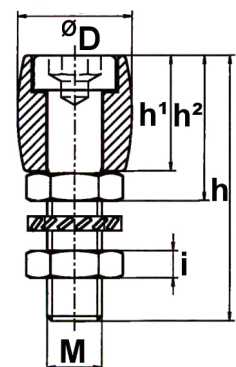


Item No.		85132*	85133		
EAN-No.		4001425851327	4001425851334		
	ØD	13,5	24		
	h	64	48		
	h ¹	20	18		
	i	5	7		
	l	3	2		
thread	M	M 6	M 14		
Weight/pc.	kg	0,01	0,12		

*plastic

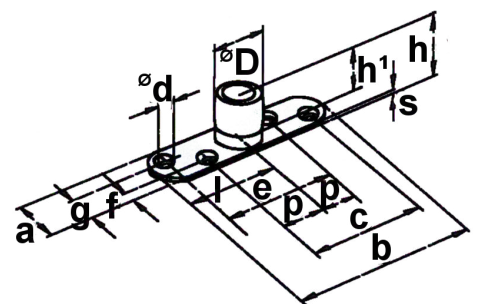


Item No.			85139		
EAN-No.			4001425851396		
	ØD		25		
	h		57,5		
	h ¹		25		
	h ²		31,5		
	i		6		
thread	M		M 12		
Weight/pc.	kg		0,10		



Item No.		81171*	85134	85136	85130*	
EAN-No.		4001425811710	4001425851341	4001425851365	4001425851303	
Special Design				85142**		
EAN-No.				4001425851426		
	ØD	13	24	24	50	
	a	20	25	35	50	
	b	74	100	110	100	
	c	40	70	76	76	
	Ød	6	6	6	10,5	
	e	40	-	-	-	
	f	5,5	12,5	17,5	25	
	g	12,5	18	-	26	
	h	23	28,5	31	48	
	h ¹	-	18	18	26	
	l	37	50	55	50	
	p	13	-	-	-	
	s	2	3	5	5	
Weight/pc.	kg	0,02	12	0,23	0,35	

*plastic



Guides for Doors and Gates

HBS-Guide Rollers

to cement in

Material:

bracket of galvanized steel, roller of brass

Features:

friction bearing



HBS-Slides

for guide track

Material:

plastic, natural-colored

Features:

friction bearing



HBS-Plastic Guide Rollers

to screw on

Material:

roller of polyamide, axle and nuts
of galvanized steel

Features:

friction bearing



HBS-Plastic Guide Rollers

to screw on

Material:

roller of polyamide, axle and nuts
of galvanized steel

Features:

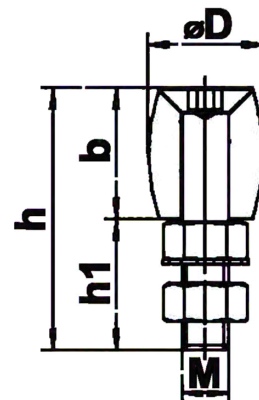
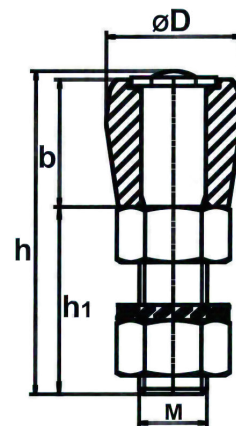
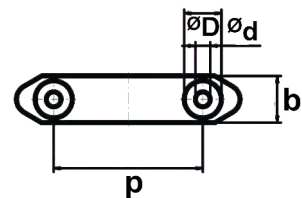
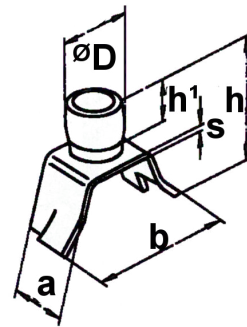
friction bearing



Follow Your Track



Guide Track		82110	82112	82114
Item No.			85135	
EAN-No.			4001425851358	
	$\varnothing D$		24	
	a		30	
	b		73	
	h		60	
	h ¹		18	
	s		3	
Weight/pc.	kg		0,15	
Item No.			85540	
EAN-No.			4001425855400	
	$\varnothing D$		20	
	a		25	
	b		25	
	l		120	
	p		80	
	$\varnothing d$		8	
Weight/pc.	kg		0,045	
max. loading per piece in kg		80		
Item No.		85150		
EAN-No.		4001425851501		
	$\varnothing D$	32		
	b	30		
	h	76		
	h ¹	45		
thread	M	M 16		
Weight/pc.	kg	0,18		
max. loading per piece in kg		40		
Item No.		85143		
EAN-No.		4001425851433		
	$\varnothing D$	20		
	b	23		
	h	45		
	h ¹	22		
thread	M	M 8		
Weight/pc.	kg	0,03		



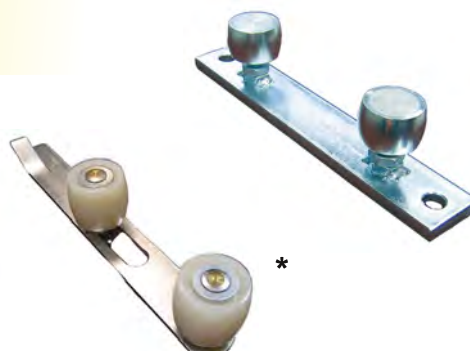
Guides for Doors and Gates

HBs-Double Guide Rollers

to screw on or to cement in

Material:

screw-on plate or wall anchor and roller with ball bearing or galvanized steel or roller of polyamide with friction bearing *



HBs-Double Guide Rollers

to screw on

Material:

galvanized steel

Features:

with ball bearing



HBs-Plastic Guide Rollers

to screw on

Material:

Rollers of polyamide, axle and nuts of galvanized steel

Features:

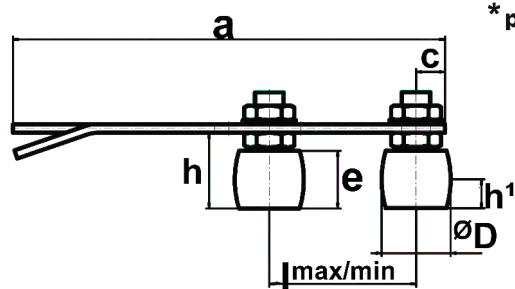
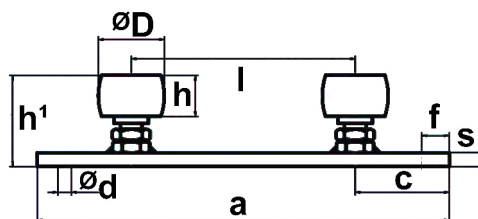
friction bearing



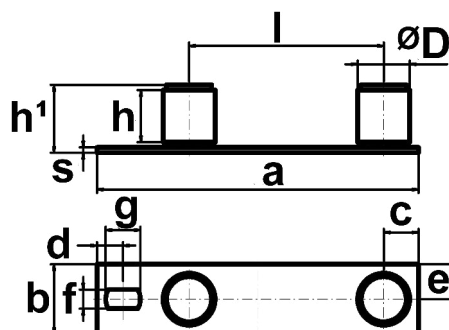
Follow Your Track



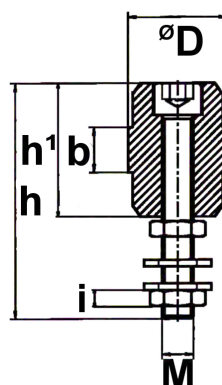
Guide Track			
Item No.		65022	85137*
EAN-No.		4001425650227	4001425851372
	ØD	48	48
	a	300	300
	c	68,5	22,5
	Ød	16	-
	e	-	40
	f	20	-
	h	30	50
	h¹	66	20
	l	163	-
	l _{min}	-	33
	l _{max}	-	81
	s	10	-
Weight/pc.	kg	2	1,1



Item No.		75019	
EAN-No.		4001425750194	
	ØD	30	
	a	185	
	b	40	
	c	20	
	d	15	
	e	20	
	f	11	
	g	20	
	h	33	
	h¹	40	
	l	112	
	s	3	
Weight/pc.	kg	0,42	



Item No.		62039	
EAN-No.		4001425620398	
	ØD	44	
	b	20	
	h	104	
	h¹	59	
	i	7	
thread	M	M 14	
Weight/pc.	kg	0,28	



Guides for Doors and Gates

HBS-Plastic Guide Rollers

to screw on

Material:

roller of polyamide, axle and nuts of galvanized steel or stainless steel*

Features:

friction bearing or ball bearing*



HBS-Steel Guide Rollers

to screw on

Material:

galvanized steel or stainless steel*

Features:

with ball bearing, water-protected



HBS-Steel Guide Rollers

to screw on

Material:

galvanized steel

Features:

with ball bearing, water-protected



HBS-Plastic Guide Rollers

to screw on

Material:

Roller of polyamide, with loose axle of steel (V4A) with inner thread, M10 displaced to the middle

Features:

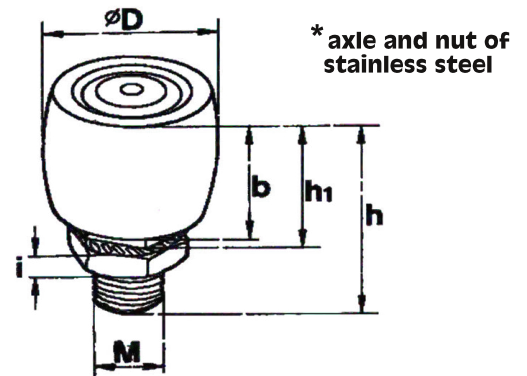
friction bearing



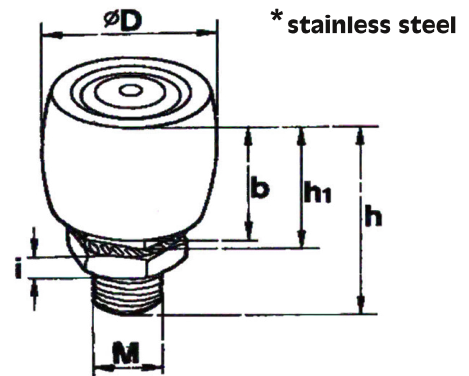
Follow Your Track

without tracks without tracks without tracks without tracks

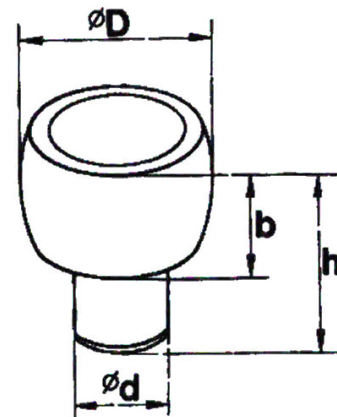
U-Track					
max. loading capacity in kg		150	400		
Item-No.		62044	62089*		
EAN-No.		4001425620442	4001425620893		
	ØD	48	75		
	b	40,5	50		
	h	79,5	96		
	h ¹	51,5	-		
	i	10	10		
thread	M	M 20	M 20		
weight/pc.	kg	0,31	0,31		



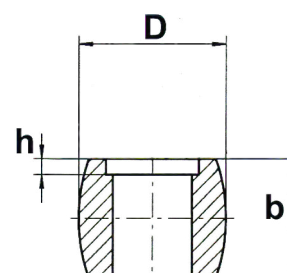
max. loading capacity in kg		200	200	750	2000
Item-No.		62045	62038*	62046	62097**
EAN-No.		4001425620459	4001425620381	4001425620466	4001425620978
	ØD	48	48	100	115
	b	30	30	40	60
	h	65	65	90	130
	h ¹	35	35	50	62
	i	8	8	12	21
thread	M	M 16	M 16	M 24	M 42
weight/pc.	kg	0,45	0,45	2,47	7,5



max. loading capacity in kg		200	750	2000	
Item-No.		62048	62049	62098	
EAN-No.		4001425620480	4001425620497	4001425620985	
	ØD	48	100	115	
	b	30	40	60	
	Ød	25	40	60	
	h	60	90	120	
weight/pc.	kg	0,47	2,76	7,88	



Item-No.		62080			
EAN-No.		4001425620800			
	ØD	38			
	b	30			
	h	4			
weight/pc.	kg	0,088			



Guides for Doors and Gates

HBS-Plastic Guide Rollers

to screw on

Material:

Roller of polyamide, axle and nuts of galvanized steel

Features:

friction bearing



HBS-Guide Rollers

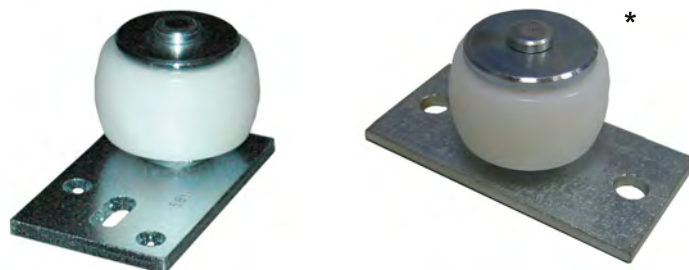
on screw-on plate

Material:

plate of galvanized steel and rollers of plastic

Features:

friction bearing



HBS-Guide Rollers

adjustable in height, to screw on

Material:

screw-on plate and spindle of galvanized steel and guide rollers of polyamide

Features:

friction bearing; roller is adjustable in height by spindle



HBS-Guiders

to screw on

Material:

Plastic or galvanized steel*

Features:

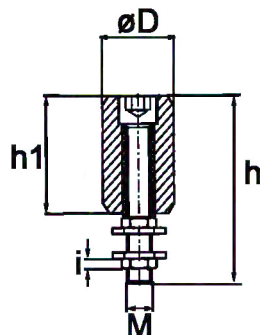
for easy floor assembly



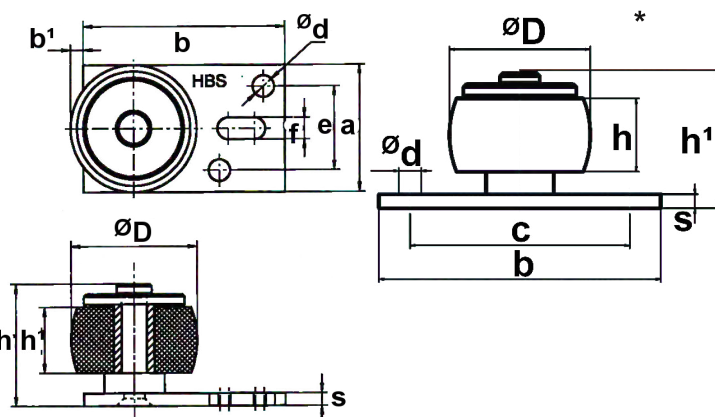
Follow Your Track



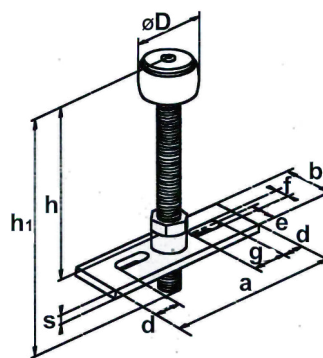
U-Track			82114
Item-No.		62082	
EAN-No.		4001425620824	
	$\varnothing D$	38	
	h	134	
	h ¹	90	
	i	11	
thread	M	M 14	
weight/pc.	kg	0,34	



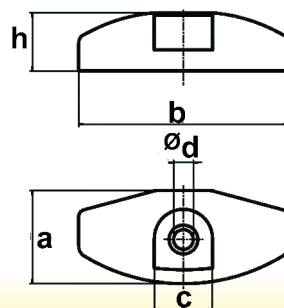
Item-No.		85129	85130
EAN-No.		4001425851297	4001425851303
	$\varnothing D$	50	50
	a	50	50
	b	80	100
	b ¹	5	-
	c	-	76
	$\varnothing d$	8,5	10,5
	e	33	-
	f	8,5	-
	h	48	26
	h ¹	26	48
	s	5	5
weight/pc.	kg	0,3	0,35



Item-No.			85131
EAN-No.			4001425851310
	$\varnothing D$		48
	a		160
	b		50
	d		25
	e		25
	f		12,5
	g		33,5
	h		180
	h ¹		220
	s		8
thread	M		M 20
weight/pc.	kg		1,06



Item-No.		85141	85140*
EAN-No.		4001425851419	4001425851402
	a	42,5	40
	b	90	90
	c	24,5	20
	$\varnothing d$	8,5	8,5
	h	25	38
weight/pc.	kg	0,04	0,7



Guides for Doors and Gates

HBS-Guiders

to cement in

Material:

cast, ungalvanized

Features:

double, adjustable for exact guiding of the sliding doors (s. table for door thicknesses)



HBS-Guide Rollers

to cement in

Material:

roller of polyamide, axle of ungalvanized steel

Features:

friction bearing



HBS-Double Guide Rollers

adjustable

Material:

base frame of galvanized steel and guide rollers with friction bearing of polyamide

Features:

This double guide roller is available in two versions: to screw on or to cement in. The roller distance can be adjusted by both versions.



to screw on

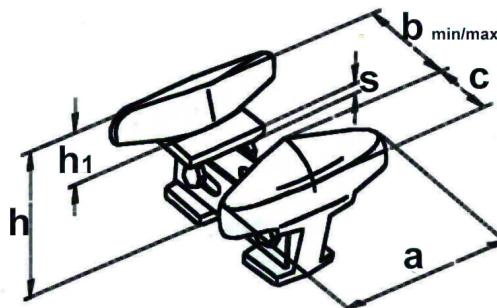


*to cement in

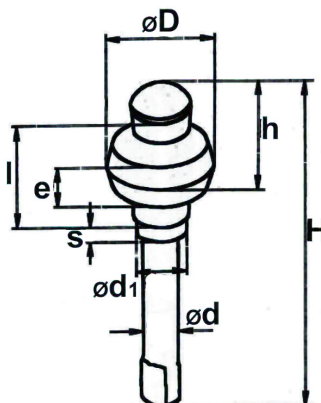
Follow Your Track

without tracks without tracks

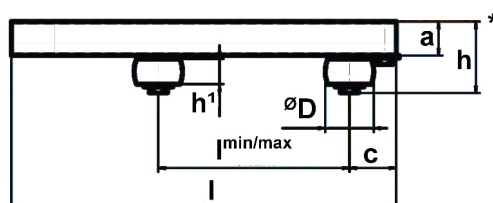
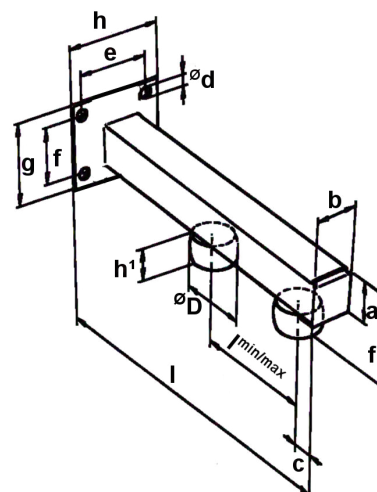
U-Track			
for door leaf			
thicknesses in mm		21-50	32-70
Item-No.		81139	81144
EAN-No.		4001425811390	4001425811444
	a	72	100
	b ^{min}	21	32
	b ^{max}	50	70
	c	21,5	35
	h	53	70
	h ¹	22	22
	s	6	8
weight/pc.	kg	0,44	1,18



Item-No.		81159	
EAN-No.		4001425811598	
	ød	16	
	ød ¹	22	
	e	20	
	h	35	
	l	49,5	
	s	8	
	H	155	
	øD	46	
weight/pc.	kg	0,28	



Item-No.		85405	85404*
EAN-No.		4001425854052	4001425854045
	a	35	35
	b	40	-
	c	51	51
	ød	10,2	-
	e	74,5	-
	f	74,5	-
	g	100	-
	h	100	100
	h ¹	29,5	29,5
	l	353,5	400
	l ^{min}	51	51
	l ^{max}	273	250
	øD	50	50
weight/pc.	kg	1,7	1,43



Guides

for Doors and Gates

HBS-Double Guide Rollers

adjustable, with side fixing bracket

Material:

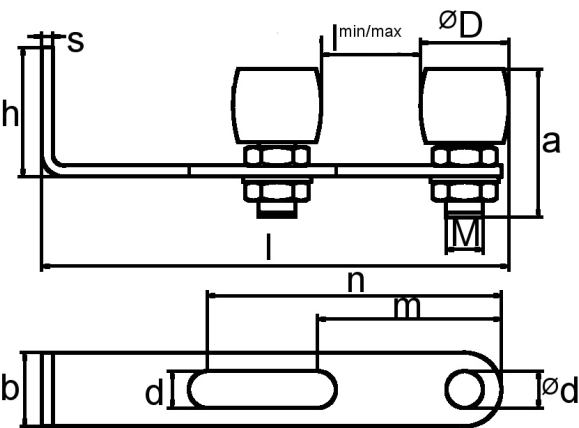
side fixing bracket of galvanized steel and guide rollers with friction bearing of polyamide

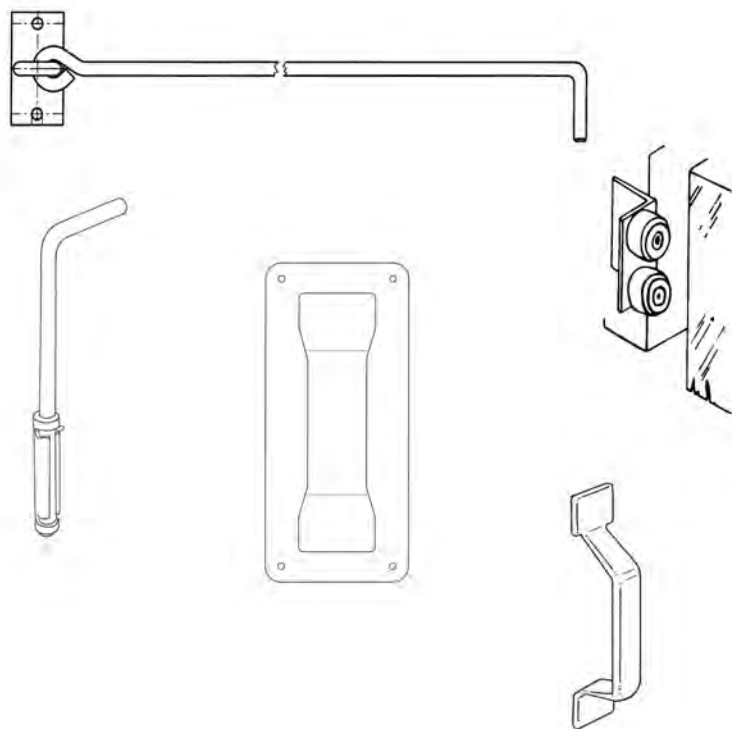
Features:

The distance of the rollers is adjustable.



Item-No.		85157
EAN-No.		4001425851570
	a	80,5
	b	40
	d	20
	ød	20
	h	70
	l	254
	l _{min}	32
	l _{max}	90
	m	100
	n	160
	s	6
	øD	48
thread	M	M20
weight/pc.	kg	1,1





Accessories

for Doors and Gates

Table of Contents

Accessories - for Doors and Gates

Stoppers, Shell-Type Handles pp. 252-255

Door Handles pp. 256-257

Locks, Sliding Door Locks pp. 258-267

Sash Locks pp. 266-271

Accessories for Doors and Gates

HBS-Track Stoppers

with end cap

Material:

galvanized steel, rubber buffer

Features:

The track stopper locks the track ends and prevents that the hangers can slide out of the track.



HBS-Track Stoppers

for fixing in the track

Material:

galvanized steel, rubber buffer

Features:

The track stopper limits the slide way of the hangers and prevents that the hangers can slide out of the track.



HBS-Wall Stoppers

to screw on

Material:

screw-on plate of galvanized steel with rubber buffer or pressure spring of galvanized steel and plastic rubber buffer*

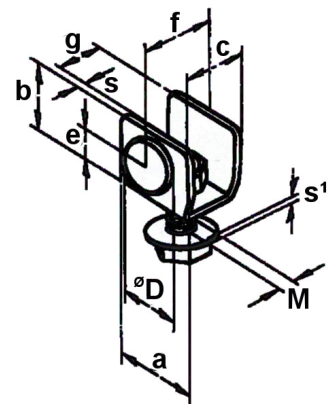
Features:

The wall stopper was constructed to stop moderately heavy or heavy* doors. If the stopper is assembled on half door height or centre of gravity, there is only one wall stopper is needed. If the stopper is assembled on the door top edge and door lower edge two stoppers are needed.



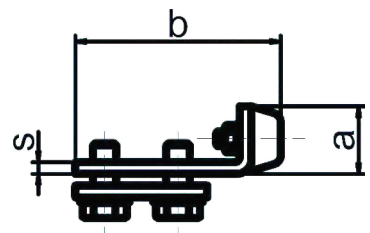
Follow your Track

		10	30	40	50	60	70
							
Track		82100	82102	82104	82106	82108	82118
Item-No.		85114	85115	85116	85117		
EAN-No.		4001425851143	4001425851150	4001425851167	4001425851174		
	a	25,5	33	39	55		
	b	24	27,5	34	50		
	c	19	24	28	35,5		
	e	12	17	22,5	30		
	f	31	36	40	47,5		
	g	15	18	20	25		
	s	2	3	4	5		
	s'	1	2	2,5	2,5		
	∅D	14,5	20	20	20		
thread	M	M 8	M 10	M 12	M 16		
weight/pc.	kg	0,04	0,1	0,15	0,38		

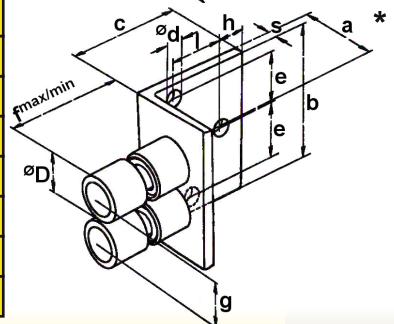
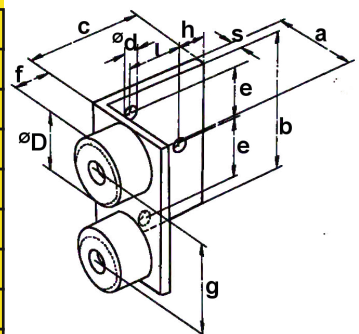


Item-No.		85101	85104	85105	85106
EAN-No.		4001425851013	4001425851044	4001425851051	4001425851068
Special Stopper			85109*		
EAN-No.			4001425851099		
	a	22	30	46	60
	b	61	69	98	82
	s	4	5	8	8
Weight/pc.	kg	0,12	0,21	0,64	0,74

*for floor assembly



Item-No.			85112	81249*		
EAN-No.			4001425851129	4001425812496		
	a		65	60		
	b		100	100		
	c		80	80		
	∅d		10	10,5		
	e		38	38		
	f		23	-		
	fmin		-	54		
	fmax		-	64		
	g		60	34		
	h		18	18		
	l		38	34		
	s		6	6		
	∅D		38	30		
Weight/pc.	kg		0,8	1,07		



Accessories

for Doors and Gates

HBS-Wall Stoppers

to cement in

Material:

galvanized steel, rubber buffer

Features:

The wall stopper was constructed to stop moderately light doors. If the stopper is assembled on half door height or centre of gravity, there is only one wall stopper is needed. If the stopper is assembled on the door top edge and door lower edge two stoppers are needed.



HBS-Stopper for Ground

to cement in

Material:

casing of cast and kick plate of ungalvanized steel

Features:

The stopper was constructed to stop two doors sliding against each other.



HBS-Shell-Type Handle

to screw on

Material:

galvanized steel or stainless steel AISI304*

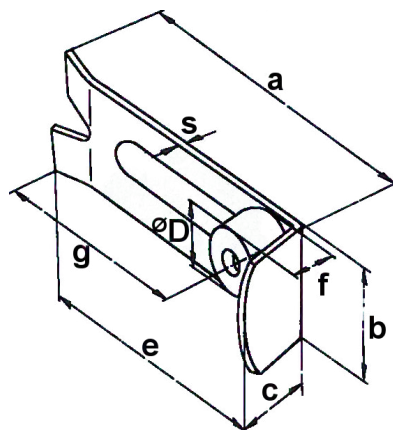
Features:

This handle is countersunk into the door leaf and can be used for sliding doors, which slides before each other.

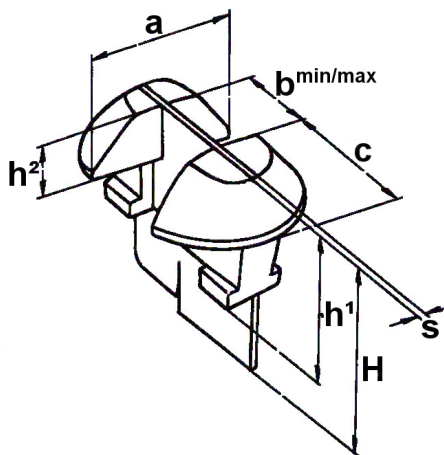


Accessories for Doors and Gates

Item-No.		81163	85111
EAN-No.		4001425811635	4001425851112
	a	175	205
	b	44	67
	c	46	50
	e	178	215
	f	23	25
	g	147	174
	s	4	5
	øD	40	40
Weight/pc.	kg	0,36	0,71

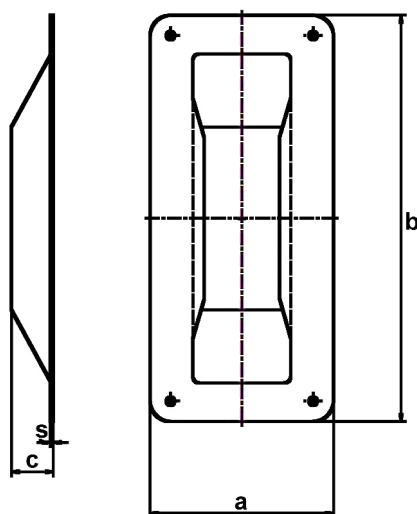


for door leaf thicknesses in mm		40-75
Item-No.		85120
EAN-No.		4001425851204
	a	89
	b ^{min}	40
	b ^{max}	75
	c	45,5
	h ¹	75
	h ²	34
	s	5
	H	120
Weight/pc.	kg	1,52



Item-No.		81201	81202*
EAN-No.		4001425812014	4001425851112
	a	90	90
	b	200	200
	c	19,5	19,5
	s	1,5	1,5
Weight/pc.	kg	0,26	0,26

*Stainless Steel



Accessories

for Doors and Gates

HBS-Steel Door Handles

Material:

ungalvanized steel or galvanized steel*

Features:

This handle is available in two versions:

unperforated and ungalvanized - to weld on
and perforated and galvanized - to screw on*



HBS-Plastic Door Handles

to screw on

Material:

plastic, grey and injected steel bushes

Features:

This handle is available in two versions:

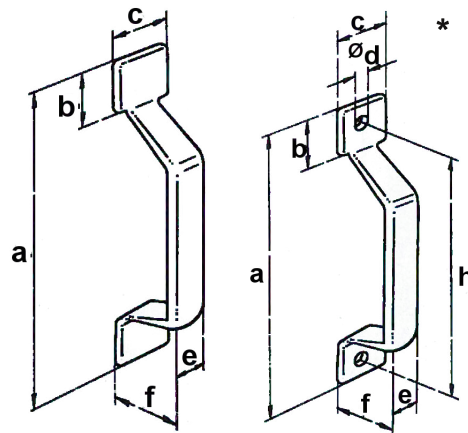
to fix with hex bolts and
to fix with countersunk bolts*



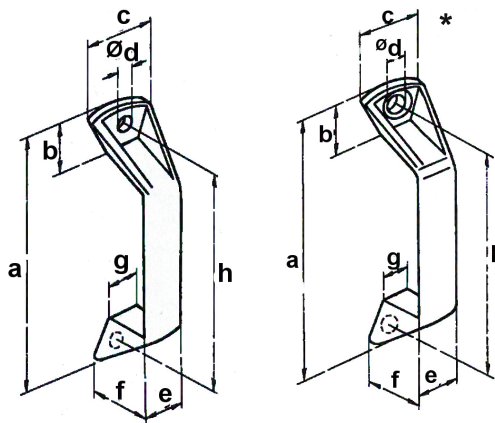
Accessories

for Doors and Gates

Item-No.		87001	64011
EAN-No.		4001425870014	4001425640112
	a	200	200
	b	32	31
	c	35	35
	Ød	-	8,5
	e	23	22
	f	47	47
	h	-	173
Weight/pc.	kg	0,48	0,48



Item-No.		64013	64014*
EAN-No.		4001425640136	4001425640143
	a	171	171
	b	28	28
	c	38	37,5
	Ød	9	9
	e	23	23
	f	45,5	45,5
	g	18	18
	h	146	146
Weight/pc.	kg	0,05	0,04



Accessories

for Doors and Gates

HBS-Ground Bolt

Material:

bolt and screw on plate of galvanized steel or bolt of galvanized steel and weld-on sleeve of ungalvanized steel*

Features:

The lift is 93mm. The assembly is easy and the ground bolts are adjustable.



HBS-Guide Loops

to screw-on

Material:

galvanized steel



HBS-Ground Plate

to screw on

Material:

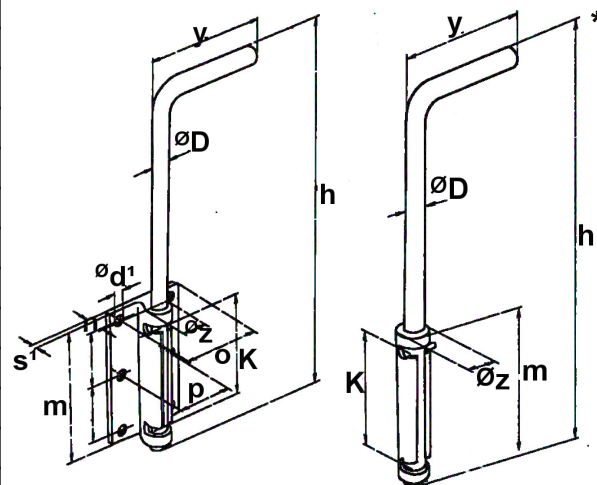
galvanized steel



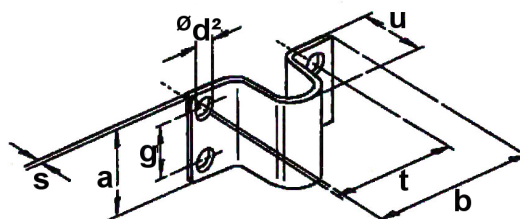
Accessories for Doors and Gates

Item No.		85300	85302	85301*	85303*
EAN-No.		4001425853000	4001425853024	4001425853017	4001425853031
	$\varnothing d^1$	6,5	6,5	-	-
	h	311	500	300	550
	l	50	50	-	-
	m	120	120	120	120
	n	17,5	25	-	-
	o	66	66	-	-
	p	46	46	-	-
	s ¹	5	5	-	-
	y	93	90	90	90
	$\varnothing z$	18	20	18	20
	$\varnothing D$	14	16	14	16
	K	93	90	93	93
Weight/pc.	kg	0,87	1,35	0,6	1,2

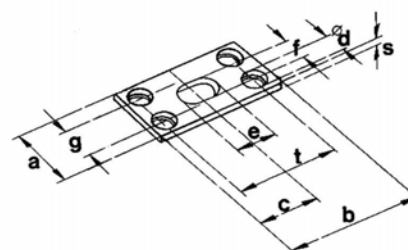
*to weld-on



for Item No.		85300 85301	85302 85303
Item No.		85304	85305
EAN-No.		4001425853048	4001425853055
	a	35	35
	b	66	66
	$\varnothing d^2$	5,5	6,1
	g	20	20
	s	3	3
	t	52	42
	u	29	32
Weight/pc.	kg	0,07	0,08



for Item No.		85300 85301	85302 85303
Item No.		85306	85307
EAN-No.		4001425853062	4001425853079
	a	35	35
	b	66	66
	c	33	33
	$\varnothing d$	7,5	7,5
	e	17,5	19,5
	f	14,5	16,5
	g	20	20
	s	3	3
	t	50	50
Weight/pc.	kg	0,04	0,04



Accessories for Doors and Gates

HBS-Hooks

to screw on

Material:

galvanized steel

Features:

The hook can be used for sliding doors as well as for revolving doors and can be assembled easily.



HBS-Folding Gate-Latch

to screw on

Material:

galvanized sheet steel

brass rivet axis

Features:

The latch was constructed to take along back-to-back folded gate leafs and is easy to assemble.



HBS-Door Locks

for stables

Material:

galvanized steel

Features:

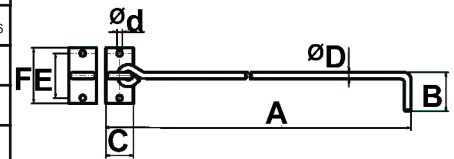
This lock is assembled in the track. It can be used for stables because the spring-mounted lock locks automatically.



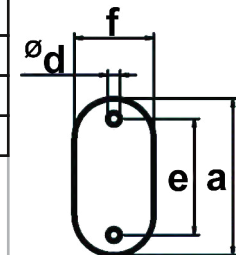
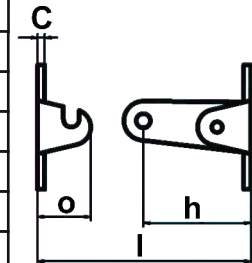
Follow your Track



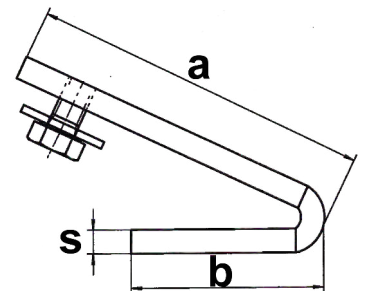
Track		82100	82102	82104			
Item-No.					64040	64041	64042
EAN-No.					4001425640402	4001425640419	4001425640426
	A				1000	1500	2000
	B				70	70	70
	C				50	50	50
	Ød				10	10	10
	E				80	80	80
	F				100	100	100
	ØD				12	12	12
Weight/pc.	kg				1	1,5	2



Item-No.					87111		
EAN-No.					4001425871110		
	a				70		
	c				4		
	Ød				6		
	e				52,5		
	f				35		
	h				60		
	l				80		
	o				30		
Weight/pc.	kg				0,31		



Item-No.			85121	85122			
EAN-No.			4001425851211	4001425851228			
	a		115	113			
	b		65	65			
	s		8	8			
Weight/pc.	kg		0,3	0,395			



Accessories for Doors and Gates

HBS-Folding Gate Bolt Lock

with lateral handle

Material:

casing and eccentric level of galvanized steel,
handle of galvanized malleable iron

Features:

The lock is delivered without rods.



illustration right

HBS-Rod Guide Loops

for HBS-folding gate-latch

Material:

galvanized steel

Features:

with base plate to screw on



HBS-Locks

for wood sliding doors

Material:

galvanized steel

Features:

The lock has one drilling for a padlock. It can be assembled easily..



illustration left

Accessories for Doors and Gates

Item No.		87146	87147	87118	87117
EAN-No.		4001425871462	4001425871479	4001425871189	4001425871172
		left	right	left	right
bar dimensions		25 x 8	25 x 8	30 x 10	30 x 10
lift		30	30	40	40
	a	165	165	210	210
	b	60	60	70	70
	c	22,5	22,5	25	25
	h	28	28	31	31
	i	10	10	11	11
	l	76	76	95	95
	r	185	185	195	195
Weight/pc.	kg	0,88	0,88	1,3	1,3

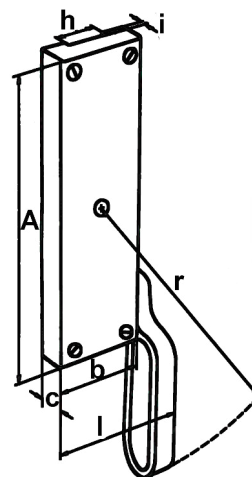
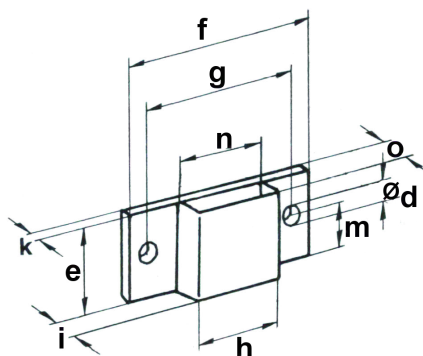


illustration right

Item No.		87148	87148	87119	87119
EAN-No.		4001425871462	4001425871462	4001425871189	4001425871189
bar dimensions		25 x 8	25 x 8	30 x 10	30 x 10
	∅d	6,2	6,2	6,2	6,2
	e	30	30	30	30
	f	70	70	70	70
	g	54,5	54,5	54,5	54,5
	h	27	27	32	32
	i	9	9	9	11
	k	5	5	5	5
	m	15	15	15	15
	n	31	31	36	36
	o	14	14	14	16
	Weight/pc.	kg	0,09	0,09	0,09



Item-No.		64008	64007
EAN-No.		4001425640082	4001425640075
		left	right
	a	227	227
	b	213	213
	c	90	90
	∅d ¹	10,5	10,5
	∅d ²	7	7
	∅d ³	12	12
	e	30	30
	f	55	55
	g	6,5	6,5
	h	50	50
	i	70	70
	k	35	35
	m	3	3
	n	6,5	6,5
	o	21	21
Weight/pc.	kg	0,57	0,57

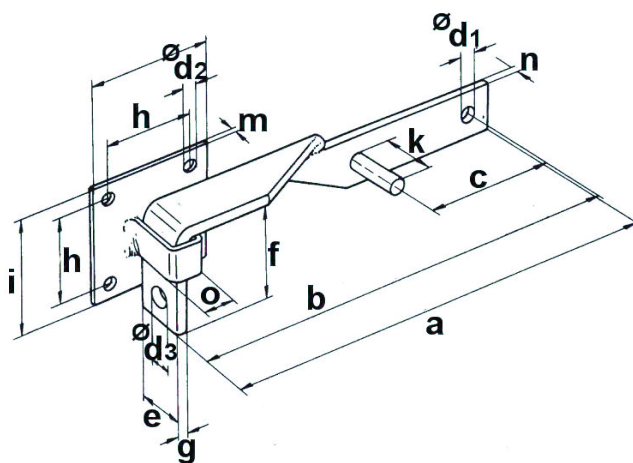


illustration left

Accessories

for Doors and Gates

HBS-Door Locks

to cement in

Material:

lock of malleable cast iron and
angle of steel, black stove-enamelled

Features:

- *ground fixing
- ** wall fixing



*87115



**87113

HBS-Door Locks

to screw on

Material:

lock of malleable cast iron and
angle of steel, black stove-enamelled

Features:

- *ground fixing
- ** wall fixing



*83034



**83035

HBS-Swivels

for hopper cellar window

Material:

bottom of plastic and
top of galvanized cast

Features:

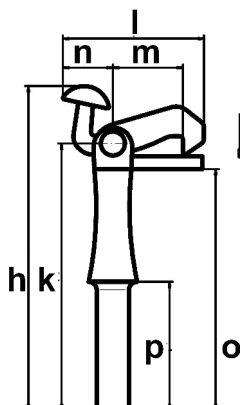
This swivel is a hinge maintenance-free
replacement and makes it possible to unhinge a
window easily.



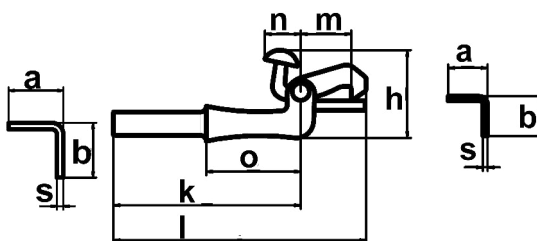
Accessories for Doors and Gates

Item-No.		87113*	87115**
EAN-No.		4001425871134	4001425871158
a		33	33
b		33	33
h		200	75
k		170	152
l		95	210
m		40	40
n		37	37
o		157	67
p		84	-
s		4	4
Weight/pc.	kg	0,77	0,79

*ground fixing

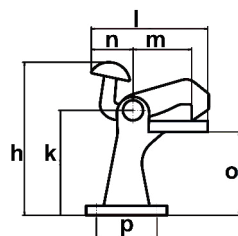


**wall fixing

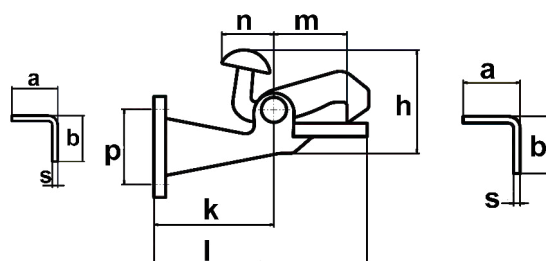


Item-No.		83034*	83035**
EAN-No.		4001425830346	4001425830353
a		33	33
b		33	33
h		100	67
k		63	64
l		97,5	125
m		43	42
n		37,5	32
o		45	-
p		40	40
s		4	4
Weight/pc.	kg	0,68	0,788

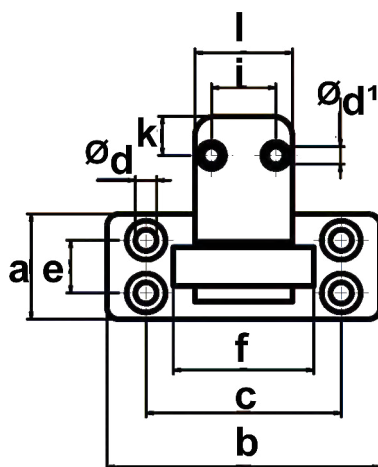
*ground fixing



**wall fixing



Item-No.		64115
EAN-No.		4001425641157
a		26,5
b		68,5
c		50
ø _d		5,5
ø _{d1}		4,2
e		14
f		36
i		16,5
k		9
l		25
Weight/pc.	kg	0,044



Accessories for Doors and Gates

HBS-Holder for window shutters

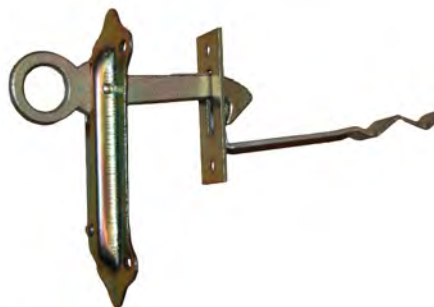
with guide plate and hook

Material:

hook of cast or steel*, rest is of galvanized steel

Features:

The holder can be used to keep the window shutters open.



HBS-Sliding Door Lock Set

with mit cylinder, 3x keys, double handle

Material:

lock of galvanized steel
and double handle of plastic

Features:

The sliding door lock is a fast and optimal solution to make a sliding door burglarproofed.



HBS-Metal Sash Locks

half even with attachment

Material:

zinc die-cast, matt silver

Features:

base rings see pages 270-271



HBS-Plastic Sash Locks

half even with attachment

Material:

polyamide, ivory-colored

Features:

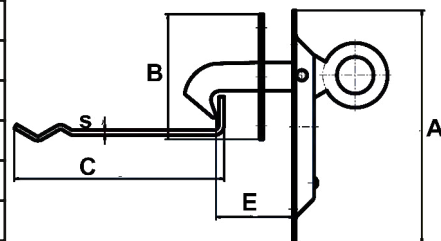
base rings see pages 270-271



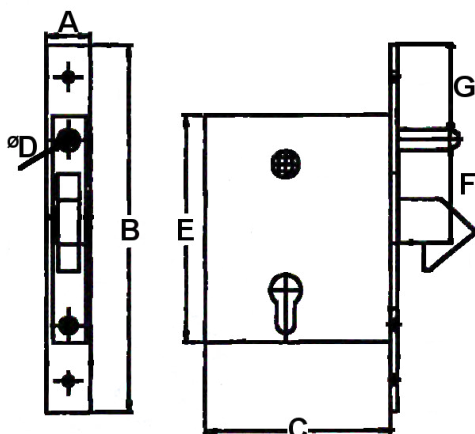
Accessories for Doors and Gates

Item-No.		64116*	64117	64118	64119	64120	64121
EAN-No.		4001425641164	4001425641171	4001425641188	4001425641195	4001425641201	4001425641218
	A	134,5	134,5	134,5	134,5	134,5	134,5
	B	42	42	42	42	42	42
	C	~120	~120	~120	~120	~120	~120
	E	47,5	57,5	67,5	77,5	87,5	97,5
	s	3	3	3	3	3	3
Weight/pc.	kg	0,169	0,169	0,169	0,186	0,186	0,21

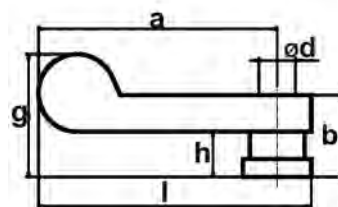
*Stahl



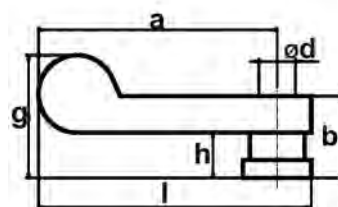
Item-No.		87002
EAN-No.		4001425870021
	A	25
	B	210
	C	96
	∅D	13
	E	130
	F	58
	G	54
Weight/pc.	kg	1,5



Item-No.		83439	83440	83441	83442	83443
EAN-No.		4001425834399	4001425834405	4001425834412	4001425834429	4001425834436
	a	51,5	51,5	51,5	51,5	51,5
	b	18	20	22	24	26
	∅d	6	6	6	6	6
	g	27	29	31	33	35
	h	10	12	14	16	18
	l	60	60	60	60	60
Weight/pc.	kg	0,024	0,025	0,027	0,027	0,029



Item-No.		83428	83429	83430	83431
EAN-No.		4001425834283	4001425834290	4001425834306	4001425834313
	a	51,5	51,5	51,5	51,5
	b	18	20	22	24
	∅d	6	6	6	6
	g	27	29	31	33
	h	10	12	14	16
	l	60	60	60	60
Weight/pc.	kg	0,024	0,025	0,027	0,027



Accessories

for Doors and Gates

HBS-Metal Sash Locks

half even without attachment

Material:

Temperguss, mattsilber bzw.
polyamide, ivory-colored *

Features:

base rings see pages 270-271



HBS-Metal Sash Locks

half without attachment

Material:

malleable cast iron, galvanized

Features:

base rings see pages 270-271



HBS-Metal Sash Locks

half even, Stuttgart Typ

Material:

malleable cast iron, galvanized
or zink die-cast* or polyamide, ivory-colored **

Features:

base rings see pages 270-271



HBS-Metal Sash Locks

without attachment, with cast hole, DIN 7463

Material:

malleable cast iron, galvanized

Features:

base rings see pages 270-271



HBS-Metal Sash Locks

with attachment, with cast hole,, DIN 31215

Material:

malleable cast iron, galvanized

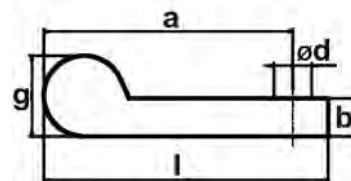
Features:

base rings see pages 270-271

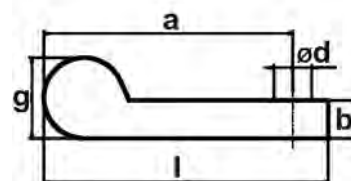


Accessories for Doors and Gates

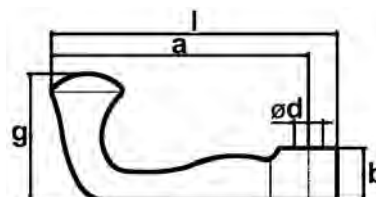
Item-No.		83445	83446	83432*
EAN-No.		4001425834450	4001425834467	4001425834320
	a	35,5	52	50
	b	5	8	10
	ød	6	6	6
	g	14	17	18
	l	40	60	57
Weight/pc.	kg	0,011	0,017	0,003



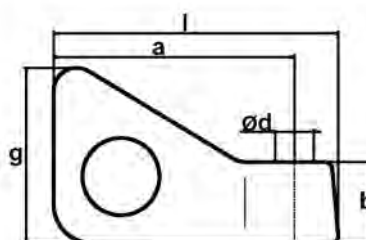
Item-No.		83451	83454
EAN-No.		4001425834511	4001425834542
	a	33	42
	b	6	5
	ød	5,5	5,5
	g	15	14
	l	40	49
Weight/pc.	kg	0,01	0,01



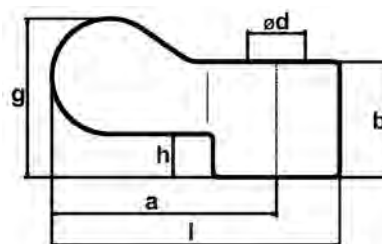
Item-No.		83452	83453*	83433**	83434**
EAN-No.		4001425834528	4001425834535	4001425834337	4001425834344
	a	43,5	50	37	48,5
	b	9,5	10	10	9,5
	ød	6,5	6,5	5,5	5,5
	g	21	20	20	21
	l	48	60	45	56
Weight/pc.	kg	0,021	0,02	0,002	0,003



Item-No.		83455	83456	83457	83458
EAN-No.		4001425834559	4001425834566	4001425834573	4001425834580
	a	30	37,5	45	55
	b	11	12	16	15
	ød	6	8	9	11
	g	24	28	34	39
	l	38	45	54	67
Weight/pc.	kg	0,016	0,025	0,043	0,075



Item-No.		83459
EAN-No.		4001425834597
	a	39
	b	20
	ød	13,5
	g	29
	h	7
	l	50
Weight/pc.	kg	0,051



Accessories

for Doors and Gates

HBS-Metal Sash Locks

half even, on plate with attachment

Material:

zink die-cast, plate and rivet
of galvanized steel



HBS-Plastic Sash Locks

half even on plate with attachment

Material:

polyamide, ivory-colored
plate and rivet of galvanized steel



HBS-Plastic Base Rings

Material:

polyamide, ivory-colored



HBS-Wires

cranked, pointed at the ends

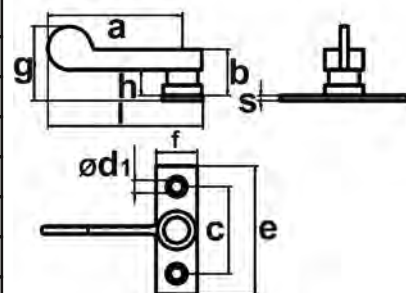
Material:

steel wire Ø 2mm, galvanized

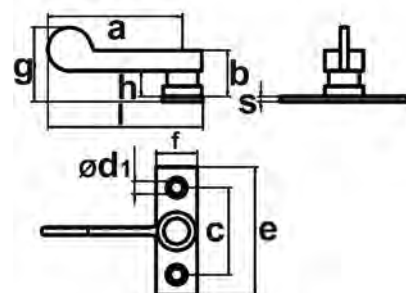


Accessories for Doors and Gates

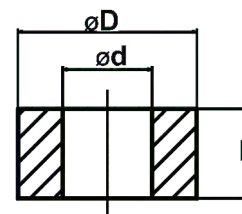
Item-No.		64100	64101	64102	64103	64104	64105
EAN-No.		4001425641003	4001425641010	4001425641027	4001425641034	4001425641041	4001425641058
	a	51,5	51,5	51,5	51,5	51,5	51,5
	b	18	20	22	24	26	28
	c	34	34	34	34	34	34
	ød ¹	5	5	5	5	5	5
	e	50	50	50	50	50	50
	f	16	16	16	16	16	16
	g	29	31	33	35	37	39
	h	10	12	14	16	18	20
	l	60	60	60	60	60	60
	s	2	2	2	2	2	2
Weight/pc.	kg	0,043	0,043	0,044	0,046	0,047	0,048



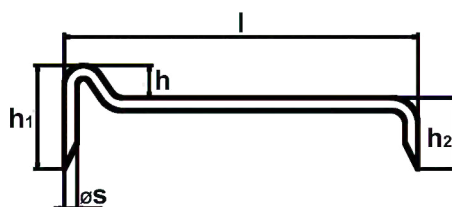
Item-No.		64107	64108	64109	64110
EAN-No.		4001425641072	4001425641089	4001425641096	4001425641102
	a	51,5	51,5	51,5	51,5
	b	18	20	22	24
	c	34	34	34	34
	ød ¹	5	5	5	5
	e	50	50	50	50
	f	16	16	16	16
	g	29	31	33	35
	h	10	12	14	16
	l	60	60	60	60
	s	2	2	2	2
Weight/pc.	kg	0,021	0,022	0,025	0,024

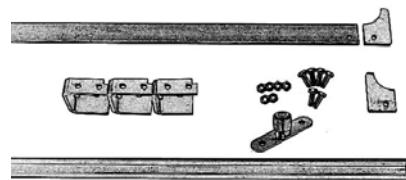
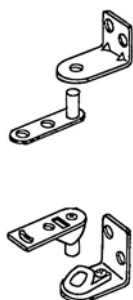
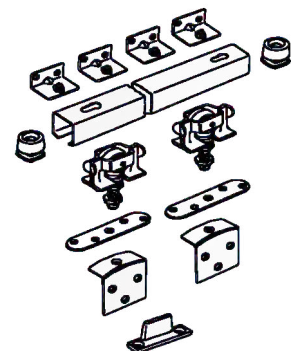
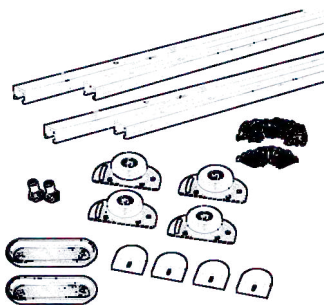
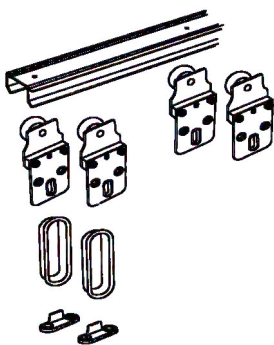
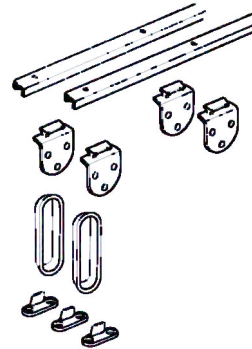
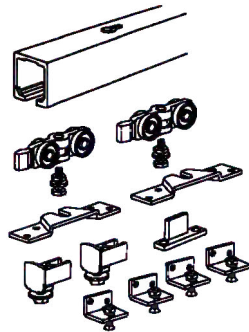
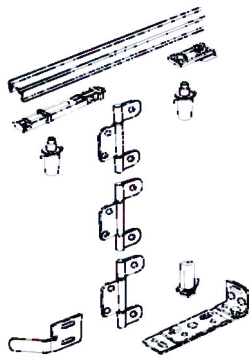


Item-No.		83421*	83422	83423	83424	83425	83426	83427
EAN-No.		4001425834214	4001425834221	4001425834238	4001425834245	4001425834252	4001425834269	4001425834276
	ød	5,3	5,3	5,3	5,3	5,3	5,3	5,3
	l	4	10	12	14	16	18	20
	øD	12	12	12	12	12	12	12
Weight/pc.	kg	0,00049	0,001	0,0011	0,0013	0,0016	0,0016	0,0019



Item-No.		83353
EAN-No.		4001425833538
	h	2
	h ¹	18
	h ²	11
	l	53
	øS	2
Weight/pc.	kg	0,001





DIY-Programme

Fittings for Cabinet Sliding Doors,
Sliding Indoors, Folding Doors, Swing
Doors, Room Divider Sliding Doors,
Sliding Door Rollers

Table of Contents

DIY-Programme

Cabinet Sliding Door Fitting till 6 kg	pp. 274-275
Cabinet Sliding Door Fitting till 28 kg	pp. 276-277
Cabinet Sliding Door Fitting till 38 kg	pp. 278-279
Sliding Indoor Fittings 40 kg and 60 kg	pp. 280-283
Sliding Indoor Fitting Aluminium 80 kg	pp. 284-285
Folding Door Fitting	pp. 286-287
Swing Door Fitting	pp. 288-289
Room Divider Sliding Door Fitting	pp. 288a-289a
Sliding Door Roller Fitting	pp. 288b-289b

DIY-Programme

Cabinet Sliding Door Fitting till 6 kg

HBS-Cabinet Sliding Door Fitting - Complete Set for two sliding doors

This fitting was constructed for smaller, very light cabinet sliding doors till 6 kg door weight, which has got two door leafs.

The upper door part is assembled with an aluminium track, in which slides two sliders, which are mounted to each door leaf.

The lower door part is guided by plastic guiders. These guiders could be screwed on both sides next to the door leaf, so that the door leaf slides between them.

Or the door leafs can be grooved centrally at the below side, through which the guiders can slide.



Two shell-type handles for the door leafs are also included in the set.

Set 80009 includes : 2 x 1,00 m aluminium track 82033 | 3 x guider 81172 |
4 x plastic slider 81030 | 2 x shell-type handle 81200 | 1 x screw set

Set 80010 includes: 2 x 1,5 m aluminium track 82035 | 3 x guider 81172 |
4 x plastic slider 81030 | 2 x shell-type handle 81200 | 1 x screw set

The two sets can be individually extended by following items:



item 80032



item 81419



item 81416

Set 80032 was put together to assemble another door leaf and it consists of:
2 x plastic slider 81030 | 1 x guider 81172 | 2 x shell-type handle 81200 | 1 x screw set

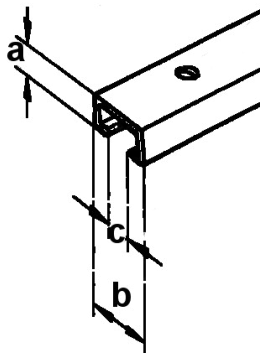
Set 81419 was put together to extend the lower guiding of the door leaf and it consists of:
2 x guider | 1 x screw set

Set 81416 was put together to limit the slide way of the sliders in the track and consists of:
3 x track stopper

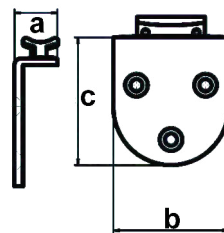
DIY-Programme

Cabinet Sliding Door Fitting till 6 kg

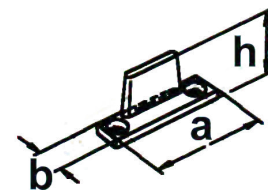
Item-No.	1m	82033
	1,5m	82035
	2m	82036
	3m	82034
EAN-No.	1m	4001425820330
	1,5m	4001425820354
	2m	4001425820361
	3m	4001425820347
	a	9
	b	16
	c	8
weight	kg/m	0,127



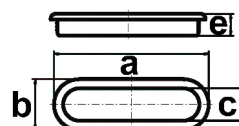
Item-No.		81030
max. loading/pcs.		3 kg
EAN-No.		4001425810300
	a	13
	b	35
	c	38,5
weight/pcs.	kg	0,005



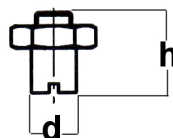
Item-No.		81172
EAN-No.		4001425811994
	a	51
	b	13
	h	21,5
weight/pcs.	kg	0,005



Item-No.		81200
EAN-No.		4001425812007
	a	80,5
	b	26,5
	c	20
	e	11,5
weight/pcs.	kg	0,001



Item-No.		81153
EAN-No.		4001425811536
	d	8
	h	20
weight/pcs.	kg	0,010



DIY-Programme

Cabinet Sliding Door Fitting till 28 kg

HBS-Cabinet Sliding Door Fitting - Complete Set for two sliding doors

This fitting was constructed for light cabinet sliding door till 28 kg, which consists of two door leafs.

The upper door part is assembled with an aluminium double track, in which slides two hangers with two rollers, which are mounted to each door leaf.

The lower door part is guided by plastic guiders. These guiders could be screwed on both sides next to the door leaf, so that the door leaf slides between them.

Or the door leafs can be grooved centrally at the below side, through which the guiders can slide.

Two shell-type handles for the door leafs are also included in the set.

Set 80012 includes: 1 x 1,50 m aluminium track 82018 | 2 x guider 81172 |
4 x hangers 81011 | 2 x shell-type handle 81200 | 1 x screw set

Set 80013 includes: 1 x 2,00 m aluminium track 82019 | 2 x guider 81172 |
4 x hanger 81011 | 2 x shell-type handle 81200 | 1 x screw set

The two sets can be individually extended by following items:



item 81414



item 81419

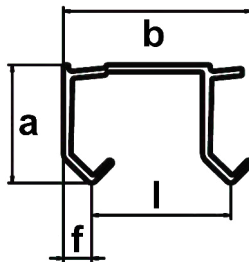
Set 81414 was put together to assemble another door leaf and it consists of:
2 x hanger 81011 | 1 x guider 81172 | 1 x shell-type handle 81200 | 1 x screw set

Set 81419 was put together to extend the lower guiding of the door leaf and it consists of:
2 x guider 81172 | 1 x screw set

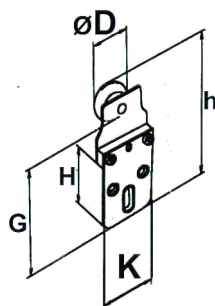
DIY-Programme

Cabinet Sliding Door Fitting till 28 kg

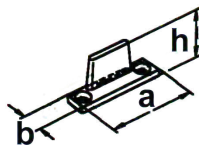
Item-No.	1,5m	82018
	2m	82019
	3m	82020
EAN-No.	1,5m	4001425820330
	2m	4001425820361
	3m	4001425820200
	a	33
	b	53
	f	8,5
	l	39
weight	kg/m	0,76



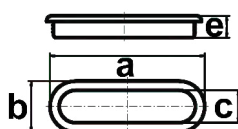
Item-No.		81011
max. loading		14 kg
EAN-No.		4001425810119
	h	92
	øD	25
	H	50
	G	67
	K	40
weight/pcs.	kg	0,067



Item-No.		81172
EAN-No.		4001425811994
	a	51
	b	13
	h	21,5
weight/pcs.	kg	0,005



Item-No.		81200
EAN-No.		4001425812007
	a	80,5
	b	26,5
	c	20
	e	11,5
weight/pcs.	kg	0,001



DIY-Programme

Cabinet Sliding Door Fitting till 38 kg

HBS-Cabinet Sliding Door Fitting - Complete Set for two sliding doors

This fitting was constructed for cabinet sliding door till 38 kg, which consists of two door leafs.

The upper door part is assembled with an aluminium double track, in which slides two hangers with four rollers, which are mounted to each door leaf.

The lower door part is guided by plastic guiders. These guiders could be screwed on both sides next to the door leaf, so that the door leaf slides between them.

Or the door leafs can be grooved centrally at the below side, through which the guiders can slide.

Two shell-type handles for the door leafs are also included in the set.

Set 80377 includes : 1 x 2,00 m aluminium track 82021 | 2 x guider 81172 |
4 x hangers 81016 | 2 x Muschelgriffe 81200 | 1 x Schraubenset

The two sets can be individually extended by following items:



item 81415



item 81417



item 81418

Set 81415 was put together to assemble another door leaf and it consists of:
2 x hanger 81016 | 1 x guider 81172 | 1 x shell-type handle 81200 |
1 x screw set

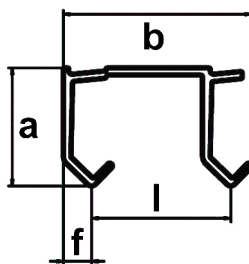
Set 81417 was put together to prevent that the door leafs could hit the wall and consists of:
2 x wall stopper 81154 | 1 x screw set

Set 81418 was put together to extend the lower guiding of the door leaf and it consists of:
2 x guider 81172 | 1 x screw set

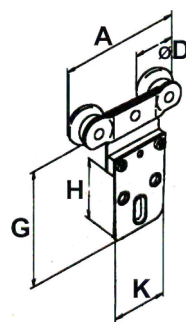
DIY-Programme

Cabinet Sliding Door Fitting till 38 kg

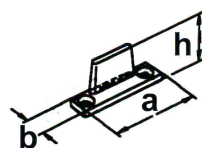
Item-No.	1,5m	82018
	2m	82019
	3m	82020
EAN-No.	1,5m	4001425820330
	2m	4001425820361
	3m	4001425820200
	a	33
	b	53
	f	8,5
	l	39
weight	kg/m	0,76



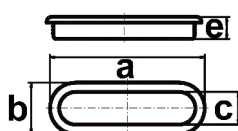
Item-No.		81016
max. loading		19 kg
EAN-No.		4001425810164
	A	77
	øD	25
	H	50
	G	67
	K	40
weight/pcs.	kg	0,106



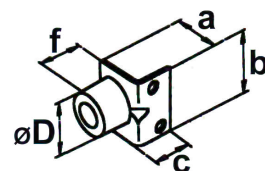
Item-No.		81172
EAN-No.		4001425811727
	a	51
	b	13
	h	21,5
weight/pcs.	kg	0,005



Item-No.		81200
EAN-No.		4001425812007
	a	80,5
	b	26,5
	c	20
	e	11,5
weight/pcs.	kg	0,001



Item-No.		81154
EAN-No.		4001425811543
	a	22
	b	30
	c	17
	f	18,5
	øD	20
weight/pcs.	kg	0,02



DIY-Programme

Sliding Indoor Fitting 40 kg

HBS-Sliding Indoor Fitting - Complete Set for one sliding door

This fitting was constructed for indoor sliding door till 40 kg, which consists of two door leafs.

The upper door part is assembled with an steel track, in which slides two hangers, which are mounted to each door leaf.

The lower door part is guided by plastic guiders. These guiders could be screwed on both sides next to the door leaf, so that the door leaf slides between them.

Or the door leafs can be grooved centrally at the below side, through which the guiders can slide.



Set 80003 includes : 1 x 1,55 m steel track 82041 | 1 x guider 81172 |
4 x wall fixing angle 81269 | 2 x hanger 81034 |
2 x screw-on plate (fontal) 81010 | 2 x screw-on plate (sides) 81009 |
2 x stopper 81166 | 1 x screw set

Set 80004 includes: 1 x 1,85 m steel track 82038 | 1 x guider 81172 |
4 x wall fixing angle 81269 | 2 x hanger 81034 |
2 x screw-on plate (fontal) 81010 | 2 x screw-on plate (sides) 81009 |
2 x stopper 81166 | 1 x screw set

The two sets can be individually extended by following items:



item 80031



item 82042



item 81418

Set 80031 was put together to assemble another door leaf and it consists of:
2 x hanger 81034 | 1 x guider 81172 | 2 x screw-on plate (fontal) 81010 |
2 x screw-on plate (sides) 81009 | 2 x stopper 81166 | 1 x screw set

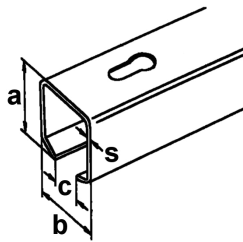
Set 82042 was put together to extend the track or door opening and consists of:
1 x steel track 1,85 m 82038

Set 81418 was put together to extend the lower guiding of the door leaf and it consists of:
2 x guider 81172 | 1 x screw set

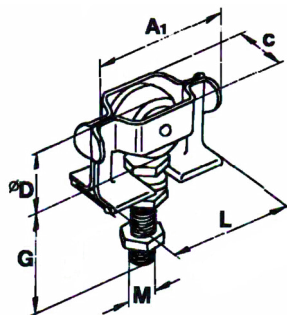
DIY-Programme

Sliding Indoor Fitting 40 kg

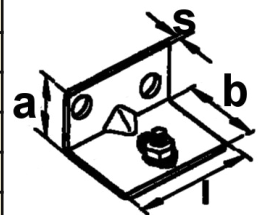
Item-No.	1,55m	82041
	1,85m	82038
	2m	82044
	3m	82045
	4m	82048
	6m	82040
EAN-No.	1,55m	4001425820415
	1,85m	4001425820388
	2m	4001425820446
	3m	4001425820453
	4m	4001425820484
	6m	4001425820408
	a	26
	b	25
	c	10
	s	1,5
weight	kg/m	0,9



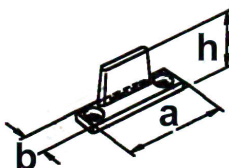
Item-No.		81034
max. loading		20 kg
EAN-No.		4001425810348
	A ¹	46,5
	C	19
	ØD	20
	G	47,5
	L	46
thread	M	M 8
weight/pcs.	kg	0,066



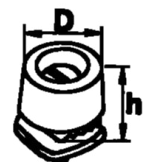
Item-No.		81269
EAN-No.		4001425812694
	a	16,5
	b	22,5
	l	30,5
	s	2
weight/pcs.	kg	0,018



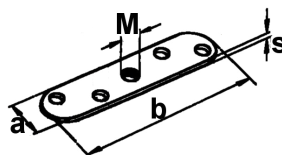
Item-No.		81172
EAN-No.		4001425811727
	a	51
	b	13
	h	21,5
weight/pcs.	kg	0,005



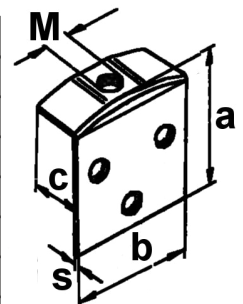
Item-No.		81166
EAN-No.		4001425811666
	h	17
	ØD	20
weight/pcs.	kg	0,019



Item-No.		81010
EAN-No.		4001425812007
	a	20
	b	75
	s	2
	M	8
weight/pcs.	kg	0,001



Item-No.		81009
EAN-No.		4001425810096
	a	46
	b	41
	c	18
	s	1,8
thread	M	M 8
weight/pcs.	kg	0,033



DIY-Programme

Sliding Indoor Fitting 60 kg

HBS-Sliding Indoor Fitting - Complete Set for one sliding door

This fitting was constructed for indoor sliding door till 60 kg, which consists of two door leaves.

The upper door part is assembled with an steel track, in which slides two hangers, which are mounted to each door leaf.

The lower door part is guided by plastic guiders. These guiders could be screwed on both sides next to the door leaf, so that the door leaf slides between them.

Or the door leafs can be grooved centrally at the below side, through which the guiders can slide.



Set 80006 includes : 1 x 1,85 m steel track 82038 | 1 x guider 81172 |
5 x wall fixing angle 81271 | 2 x hanger 81037 |
2 x screw-on plate (frontal) 81010 | 2 x stopper 81166 | 1 x screw set

Set 80007 includes: 1 x 2,30 m steel track 82057 | 1 x guider 81172 |
6 x wall fixing angle 81271 | 2 x hanger 81037 |
2 x screw-on plate (frontal) 81010 | 2 x stopper 81166 | 1 x screw set

The two sets can be individually extended by following items:



item 80005



item 82042



item 81418

Set 80005 was put together to assemble another door leaf and it consists of: 2 x hanger 81037 |
1 x guider 81172 | 2 x screw-on plate (frontal) 81010 | 2 x stopper |
1 x screw set

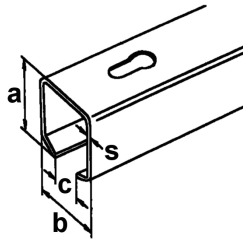
Set 82042 was put together to extend the track or door opening and consists of:
1 x steel track 1,85 m 82038

Set 81418 was put together to extend the lower guiding of the door leaf and it consists of:
2 x guider 81172 | 1 x screw set

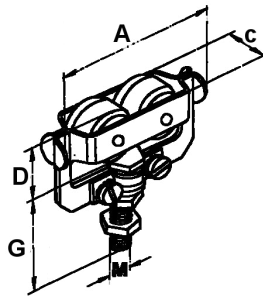
DIY-Programme

Sliding Indoor Fitting 60 kg

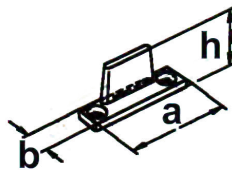
Item-No.	1,55m	82041
	1,85m	82038
	2m	82044
	2,3m	82057
	3m	82045
	4m	82048
	6m	82040
EAN-No.	1,55m	4001425820415
	1,85m	4001425820388
	2m	4001425820446
	2,3m	4001425820576
	3m	4001425820453
	4m	4001425820484
	6m	4001425820408
	a	26
	b	25
	c	10
weight	kg/m	0,9



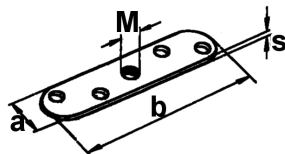
Item-No.		81037
max. loading		30 kg
EAN-No.		4001425810379
	A	65,5
	C	19
	ØD	20
	G	45
thread	M	M 8
weight/pcs.	kg	0,072



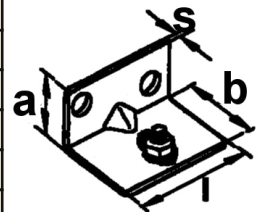
Item-No.		81172
EAN-No.		4001425811727
	a	51
	b	13
	h	21,5
weight/pcs.	kg	0,005



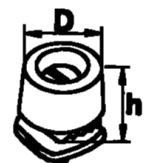
Item-No.		81010
EAN-No.		4001425812007
	a	20
	b	75
	s	2
	M	8
weight/pcs.	kg	0,001



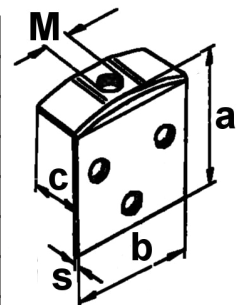
Item-No.		81271
EAN-No.		4001425812694
	a	21
	b	32
	l	40
	s	3
weight/pcs.	kg	0,045



Item-No.		81166
EAN-No.		4001425811666
	h	17
	ØD	20
weight/pcs.	kg	0,019



Item-No.		81009
EAN-No.		4001425810096
	a	46
	b	41
	c	18
	s	1,8
thread	M	M 8
weight/pcs.	kg	0,033



DIY-Programme

Sliding Indoor Fitting Aluminium 80 kg

HBS-Sliding Indoor Fitting - Complete Set for one sliding door

This fitting was constructed for indoor sliding door till 80 kg, which consists of two door leafs.

The upper door part is assembled with an aluminium track, in which slides two hangers, which are mounted to each door leaf.

The lower door part is guided by plastic guiders. These guiders could be screwed on both sides next to the door leaf, so that the door leaf slides between them.

Or the door leafs can be grooved centrally at the below side, through which the guiders can slide.



Set 80054 includes : 1 x 1,50 m aluminium track 82161 | 1 x guider 81172 |
5 x wall fixing angle 81271 | 2 x hanger 80162 |
2 x screw-on plate 80167 | 2 x stopper 80166 | 1 x screw set

Set 80055 includes: 1 x 1,90 m aluminium track 82242 | 1 x guider 81172 |
5 x wall fixing angle 81271 | 2 x hanger 80162 |
2 x screw-on plate 80167 | 2 x stopper 80166 | 1 x screw set

Set 80056 includes: 1 x 2,40 m aluminium track 80160 | 1 x guider 81172 |
5 x wall fixing angle 81271 | 2 x hanger 80162 |
2 x screw-on plate 80167 | 2 x stopper 80166 | 1 x screw set

The two sets can be individually extended by following items:



item 80059



item 82168



item 85802

Set 80059 was put together to assemble another door leaf and it consists of:
2 x hanger 80162 | 1 x guider 81172 | 2 x screw-on plate 80167 | 2 x stopper 80166 |
1 x screw set | 5 x wall fixing angle 81271

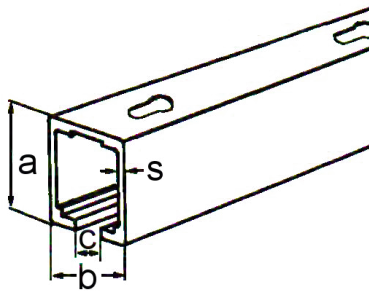
Set 82168 was put together to extend the track or door opening and consists of:
1 x aluminium track 1,90 m 82242

Set 85802 was put together to extend the fitting, so that it can be used for glass doors
with glass thicknesses from 8 - 10 mm and consists of: 1 x glass holder | 2 x anti-slide tape
see guider item 85847 on page 64 in Classic 9 Elegant Programme

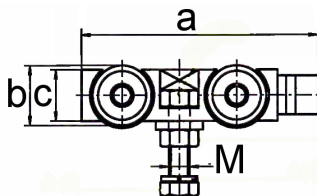
DIY-Programme

Sliding Indoor Fitting Aluminium 80 kg

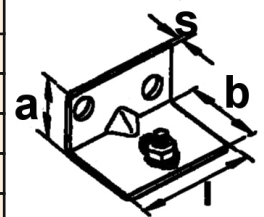
Item-No.	1,5m	82161
	1,9m	82242
	2,4m	80160
	2,5m	82172
	3m	82162
	5m	82154
EAN-No.	1,5m	4001425821614
	1,9m	4001425822426
	2,4m	4001425801605
	2,5m	4001425821726
	3m	4001425821627
	5m	4001425821542
	a	29
	b	27
weight	kg/m	0,444



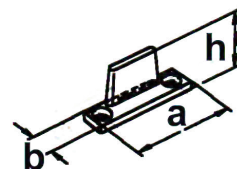
Item-No.		80162
max. loading		40 kg
EAN-No.		4001425801629
	a	98
	b	23
	c	16
thread	M	M 8
weight/pcs.	kg	0,096



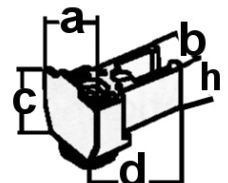
Item-No.		81271
EAN-No.		4001425812717
	a	21
	b	32
	l	40
	s	3
weight/pcs.	kg	0,045



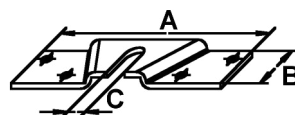
Item-No.		81172
EAN-No.		4001425811727
	a	51
	b	13
	h	21,5
weight/pcs.	kg	0,005



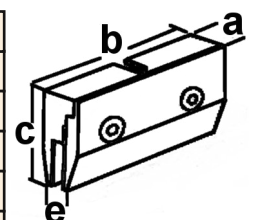
Item-No.		80166
EAN-No.		4001425801667
	a	23
	b	14
	c	24
	d	37
	h	15
weight/pcs.	kg	0,017



Item-No.		80167
EAN-No.		4001425801674
	A	111
	B	25
	C	9,5
weight/pcs.	kg	0,058



Item-No.		85802
EAN-No.		4001425858029
	a	28
	b	99
	c	57
	e	8-10
weight/pcs.	kg	0,312



DIY-Programme

Folding Door Fitting for louver doors

HBS-Folding Door Fitting - Complete Set

for two-winged folding doors till 200 cm door height

This fitting was constructed for one Folding door till 200 cm door height and till max. 10 kg/door.



Set 80026 includes: 1 x 0,80 m aluminium track 82063 | 2 x upper telescopic bearing 81342 |
1 x floor bearing 81337 | 1 x end piece 81340 | 1 x upper sliding block 81343 |
1 x floor plate 81338 | 1 x middle strike plate 81336 | 3x hinge 81227 |
1 x strike in lid | 1 x screw set

Set 80027 enthält: 1 x 1,20 m aluminium track 82068 | 2 x upper telescopic bearing 81342 |
1 x floor bearing 81337 | 1 x end piece 81340 | 1 x upper sliding block 81343 |
1 x floor plate 81338 | 1 x middle strike plate 81336 | 3 x hinge 81227 |
1 x strike in lid | 1 x screw set

The two sets can be individually extended by following items:



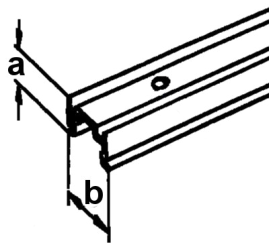
item 81420

Set 81420 was put together to extend the hinges and consists of: 2 x hinge 81227

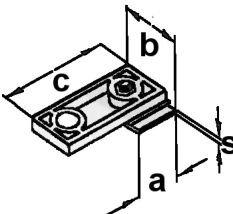
DIY-Programme

Folding Door Fitting for louver doors

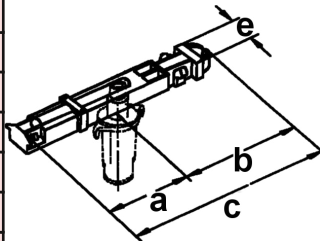
Item-No.	0,8m	82063
	1,2m	82068
EAN-No.	0,8m	4001425820637
	1,2m	4001425820682
	a	14
	b	22
weight	kg/m	0,242



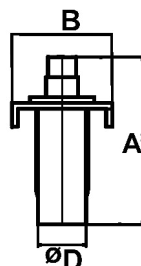
Item-No.		81340
EAN-No.		4001425813400
	a	18,5
	b	22,5
	c	40
	s	2
weight/pcs.	kg	0,013



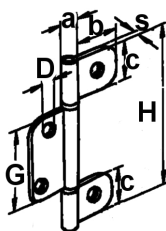
Item-No.		81343
EAN-No.		4001425813431
	a	59
	b	39,5
	c	98,5
	e	14,5
weight/pcs.	kg	0,008



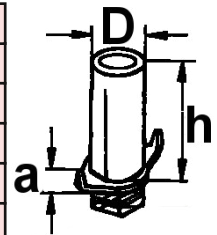
Item-No.		81342
EAN-No.		4001425813424
	A _{max}	45
	A _{min}	37
	B	25
	øD	11,5
weight/pcs.	kg	0,016



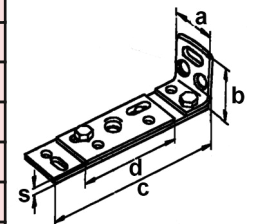
Item-No.		81227
EAN-No.		4001425812274
	°a	6,6
	b	19
	c	19
	°D	5
	G	39,5
	H	81,5
	s	1,2
weight/pcs.	kg	0,03



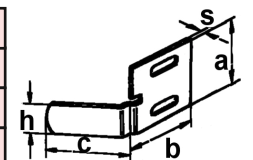
Item-No.		81337
EAN-No.		4001425813370
	a	6,5
	h	28,5
	øD	11,5
weight/pcs.	kg	0,019



Item-No.		81338
EAN-No.		4001425813387
	a	25
	b	30,5
	c	96
	d	56
	s	4
weight/pcs.	kg	0,069



Item-No.		81336
EAN-No.		4001425813363
	a	34
	b	31,5
	c	34
	h	15
	s	2
weight/pcs.	kg	0,021



DIY-Programme

Swing Door Fitting

HBS-Swing Door Fitting - Complete Set

for 19-44 mm thick louver doors and till max. 10 kg door weight

This fitting was constructed for 2 saloon door wings. The door wing remains open in 90° position.

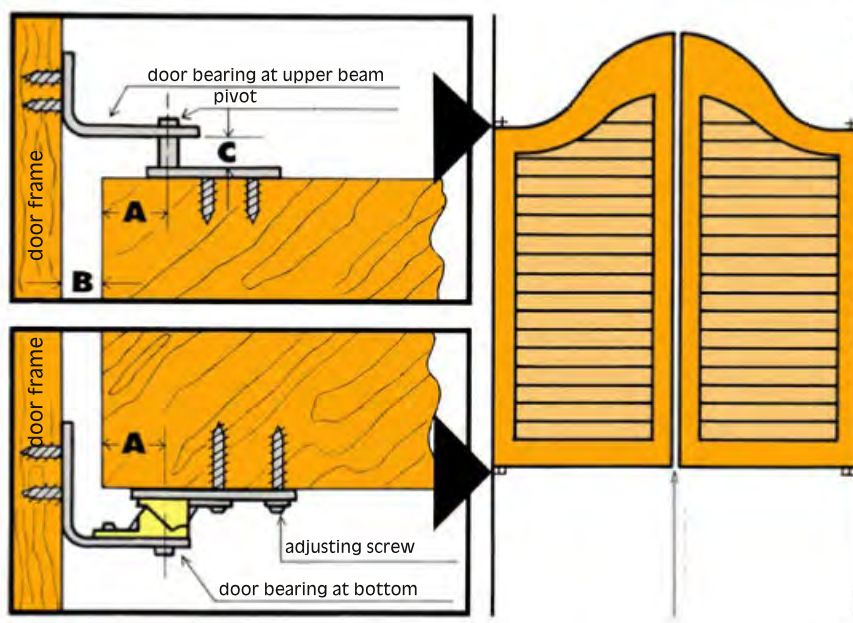
Item-No. 80030



That is why assembly is so easy :

1. Screw the upper and lower pivot in the outer door top edge and the door lower edge at both door wings. Choose distance A basing on the door thickness (see table). The right rotation distance B results of it (distance between door frame and door wing). Mount the screw in the middle of the endlogated whole of the lower pivot plate.
2. Screw door bearing at bottom beam at door frame.
3. Insert the door in closed position in the door bearing at bottom beam. Put the door bearing at upper beam on the pivot of the upper door. Distance C has to be minimum 10 mm. Place the door leaf vertically, then mark the screw wholes of the door bearing at upper beam and screw it in tight.
4. Adjust the door with the adjusting screw (in the enlogated whole of the lower door plate).

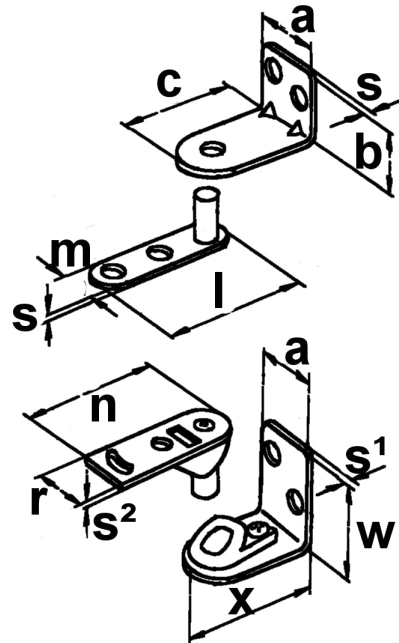
Attention: Between the two door wings has to be minimum 3,5 mm air space!
The door wing is lifted up 10 mm.



DIY-Programme

Swing Door Fitting

Item-No.		80030
EAN-No.		4001425800301
	a	26,5
	b	26
	c	42
	l	51
	m	16
	n	55,5
	r	20,5
	s	2
	s ¹	3
	s ²	2,5
	w	41
	x	43
weight	kg	0,269



DIY-Programme

Room Divider Sliding Door Fitting

HBS-Room Divider Sliding Fitting - Complete Set

slides on the ground, for two doors

This fitting was constructed for 2-winged, sliding before each other, till 80 kg heavy doors for Cabinet or divider.

The two floor rollers per door leaf slide in a 9 mm high aluminium track, which is screw on the floor or which is varnished in the floor.

At the top of the door leaf were assembled two slider, which can be moved in a aluminium track, which is mounted to the ceiling. That is why the door leaf is vertically.

Two shell-type handles for the door leafs are also included in the set.



Set 80768 includes : 4 x 2,00 m aluminium track 82032 | 4 x roller with plate 81040 |
4 x slider of plastic 81173 | 2 x plastic shell-type handles 81200 |
2 x stopper 81153 | 1 x screw set

The two sets can be individually extended by following items:



item 80769

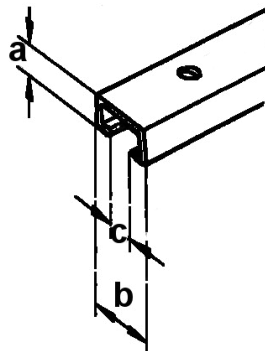
Set 80769 was put together to assemble another door leaf and it consists of:

4 x roller with plate 81040 | 4 x slider of plastic 81173 |
2 x plastic shell-type handles 81200 | 1 x screw set

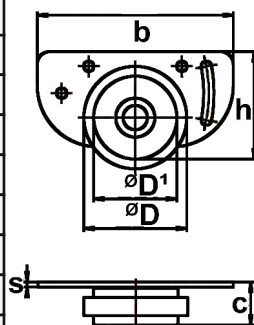
DIY-Programme

Room Divider Sliding Door Fitting

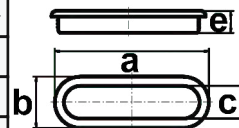
Item-No.	2m	82036
EAN-No.	2m	4001425820361
	a	9
	b	16
	c	8
weight	kg/m	0,127



Item-No.		81040
EAN-No.		4001425810409
	b	80
	c	17,5
	h	44
	øD	42
	øD ¹	34
	s	2
weight/pcs.	kg	0,072

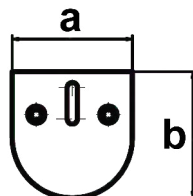


Item-No.		81200
EAN-No.		4001425812007
	a	80,5
	b	26,5
	c	20
	e	11,5
weight/pcs.	kg	0,001

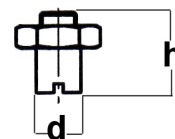


Item-No.		81173*
EAN-No.		4001425811734
	a	35
	b	36,7
weight/pcs.	kg	0,01

*color white



Item-No.		81153
EAN-No.		4001425811536
	h	20
	d	8
weight/pcs.	kg	0,010



DIY-Programme

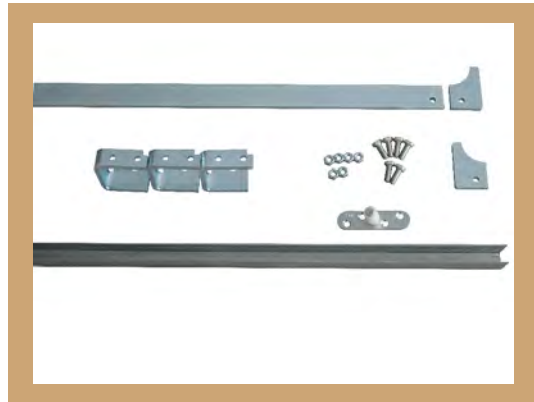
Sliding Door Roller Fitting

HBS-Sliding Door Roller Fitting - Complete Set
for sliding door roller 87144 and 60009-60012

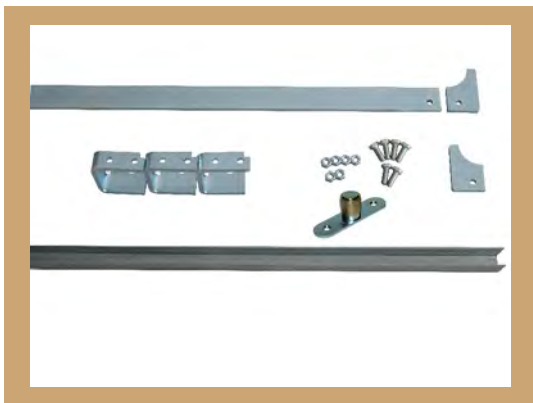
Item-No. 80785



Item-No. 80786



Item-No. 80787

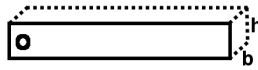


Item-No.	Description	Quantity in Set		
		80785	80786	80787
44130	flat steel 30x5 - 1,88m	1	0	0
44133	flat steel 45x8 - 1,85m	0	1	0
44136	flat steel 50x10 - 1,85m	0	0	1
44131	holder	4	0	0
44134	holder	0	3	3
44129	stopper	2	0	0
44132	stopper	0	2	0
44135	stopper	0	0	2
81171	guide roller	1	1	0
85134	guide roller	0	0	1
65059	screw set	1	0	0
65060	screw set	0	1	1
82095	u-track	1	1	0
82094	u-track	0	0	1

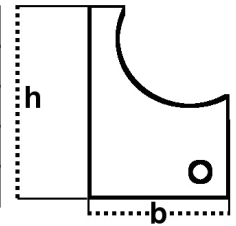
DIY-Programme

Sliding Door Roller Fitting

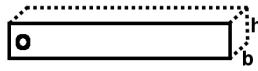
Item-No.	1,88m	44130
EAN-No.		4001425441306
	b	5
	h	30
weight	kg/m	0,444



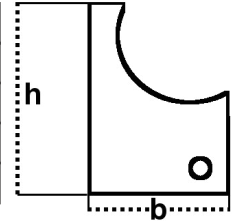
Item-No.		44129
EAN-No.		4001425441290
	b	35
	h	55
weight/pcs.	kg	0,054



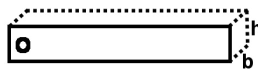
Item-No.	1,85m	44133
EAN-No.		4001425441337
	b	8
	h	45
weight	kg/m	0,444



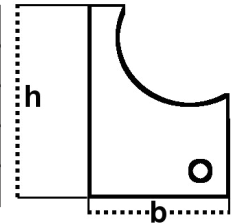
Item-No.		44132
EAN-No.		4001425441320
	b	50
	h	85
weight/pcs.	kg	0,186



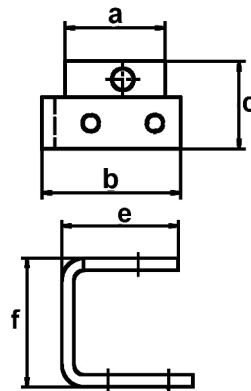
Item-No.	1,85m	44136
EAN-No.		4001425441368
	b	10
	h	50
weight	kg/m	0,444



Item-No.		44135
EAN-No.		4001425441351
	b	53
	h	100
weight/pcs.	kg	0,27

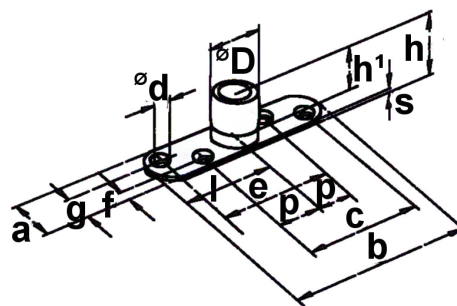


Item-No.		44131
EAN-No.		4001425441313
	a	39
	b	54
	c	34
	e	48
	f	53
weight/pcs.	kg	0,122



Item-No.		44134
EAN-No.		4001425441344
	c	34
	e	47
	f	65
weight/pcs.	kg	0,214

Item-No.		81171*	85134
EAN-No.		4001425811710	4001425851341
	øD	13	24
	a	20	25
	b	74	100
	c	40	70
	ød	6	6
	e	40	-
	f	5,5	12,5
	g	12,5	18
	h	23	28,5
	h¹	-	18
	l	37	50
	p	13	-
	s	2	3
weight/pcs.	kg	0,02	12



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