Kwikstrut

Metal Framing and Pipe Supports

Complete solutions for the installation and support of piping systems

The power behind **your mission**

Johnson Controls

Contents

01 - INTRODUCTION

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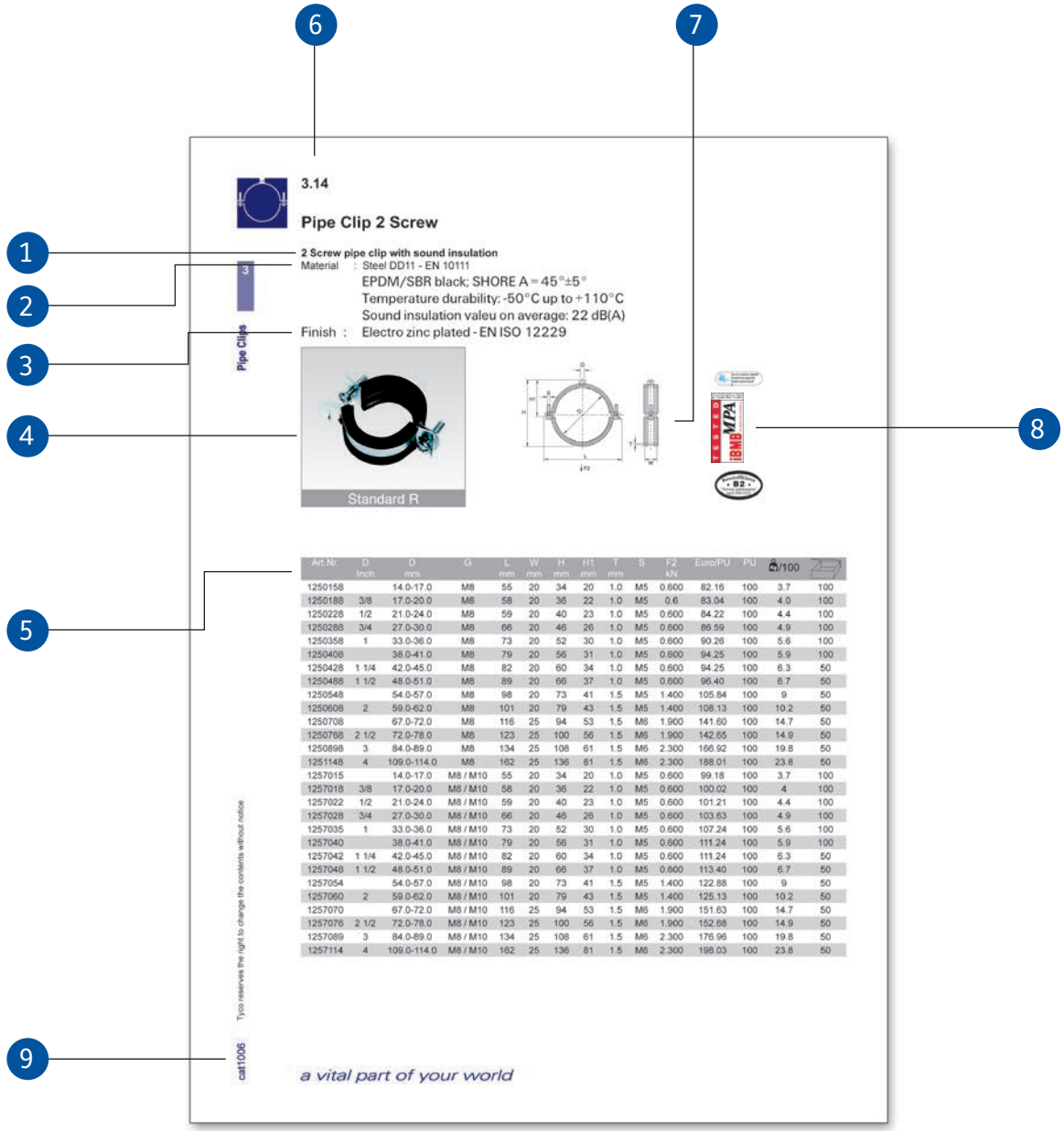
02 - METAL FRAMING SYSTEM

03 - PIPE SUPPORT

04 - FIXINGS

General Information Usage Instructions



1. Product description
2. Material description
3. Standard finish description
4. Product picture
5. Table with product numbers & technical data
6. Page number, section 1 - page 1
7. Technical drawing of product with main dimensions
8. Product approvals
9. Catalogue edition

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Abbreviations used in product tables

D	(mm)	Diameter
DN		Diameter nominal
OD	(mm)	Outside diameter
G		Thread dimension
L	(mm)	Length
ΔL	(mm)	Slide movement
W	(mm)	Width
H	(mm)	Height
T	(mm)	Thickness
LxW		Slot dimension (length x width)
R		Radius
S		Screw dimension
F3	(kN)	Maximum allowable tensile load
F4	(kN)	Maximum allowable slip load
δmax	(mm)	Maximum deflection
	f=1/200L	Deflection limit at 1/200 of the span
	f=1/360L	Deflection limit at 1/360 of the span
T	(kN)	Tightening Torque
λ	W/(m·K)	Thermal conductivity
μ		Water Vapour Permeability
kg/m		Weight per meter
		Weight per 100 pieces
PU		Price Unit
h/PU		List Price per Price Unit
		Box quantity
		Thickness
Wy	(cm^3)	Section modulus Axis y-y
iy	(cm)	Radius of gyration
Iy	(cm^4)	Moment of inertia Axis y-y
e1	(mm)	Centre of gravity

Approvals Reference List

FM APPROVED	Factory Mutual Research approval
VdS	VdS loss prevention approval
UL	Underwriters Laboratories approval
M1	French product approval
B2	German product approval
CE	European Technical approval
TESTED IBMB MPA	Fire rating approval
LPCB	Loss Prevention Certification Board

FM, VdS, UL, LPCB, IBMB Institute of Building Materials, Concrete Construction and Fire Protection; Braunschweig Technical University, Association Française de Normalisation (AFNOR), Deutsche bauaufsichtliche Benennung von Baustoffen und Bauteilen and RAL - the German Institute for Quality Assurance and Certification, are trademarks of their respective owners.

Technical Information Channels & Fittings

Introduction

Kwikstrut channels and fittings offer total flexibility in design and construction of assemblies for framing applications.

Kwikstrut products are available in a range of materials and finishes. These finishes offer differing degrees of corrosion protection for use in a variety of environments. Where required, factory decorative finishes, such as powder coating, are available to order.

Materials

Channels are cold rolled from 1.5mm, 2.0mm and 2.5mm steel strip and are available in Plain Oiled Mild Steel, Pre-Galvanised Mild Steel, Hot-Dip Galvanised Mild Steel, Stainless Steel A4 1.4404 and Stainless Steel A2 1.4301 Mild Steel channels are rolled using material formed from BS EN 10149-3 guaranteed yield 280/Nmm² and minimum ultimate tensile strength 370/Nmm².

Kwikstrut fittings are pressed from hot rolled, pickled and oiled plate, or strip steel mainly from grade HR1P of grade Z275 mild steel.

Kwikstrut nuts, with the exception of type PNP16ZP, are made from SAE 1010 cold heading quality steel bar. The M12 and M16 version are case hardened after manufacturing.

Finishes

Hot-Dip Galvanised

Channels are Hot-Dip Galvanised in accordance with EN ISO1461. The minimum average zinc coating is as follows: Cold rolled from 1.5mm, 2.0mm and 2.5mm steel-325g/m².
The mean coating thickness is 45µ.
Fittings spun galvanised – (Weight) 335g/m²

Pre-Galvanised

Pre-Galvanising is to BS EN 10147 1992 (Coating Z275).
The mean coating thickness is approximately 20µ.

Plated

Channel nuts and bolts are zinc electroplated according to EN ISO 12329.

Range

Channels are available in plain, continuous slotted and in multiple channel combinations. Channels with a height of 21mm are available with slots 25x11mm.

Channels with a height of 41mm or more are available with slots 28x14mm all slot patterns have a pitch of 50mm.

Combination channels manufactured from Pre-Galvanised steel or Hot-Dip Galvanised are spot welded.

Standard channel lengths are 2m, 3m or 6m.

Cut channel lengths can be supplied subject to a cutting charge.

Weights

The weights published in this catalogue are generally based on Pre-Galvanised channel. Weights may vary slightly with other finishes.

Ordering

The product numbers for the channels can be determined according to the below mentioned matrix.

Product code matrix Kwikstrut channels					
K10 K1000 K11 T1100 K13 K1300 K20 K2000 K31 K3100 K33 K3300 K40 K4000 K50 K5000 K55 K5500 K80 K8000	1 single 2 double welded 3 double cont. s.w.	1 serrated 2 mm	1 no perforations 2 14x28 mm perforation 3 11x25 mm perforation 5 13x45 & 17 mm	1 plain oil 2 pre galvanised 3 hot dip galvanised 4 stainless A4 1.4404 9 Stainless steel A2 1.4301	2 2 meter long 3 3 meter long 6 6 meter long

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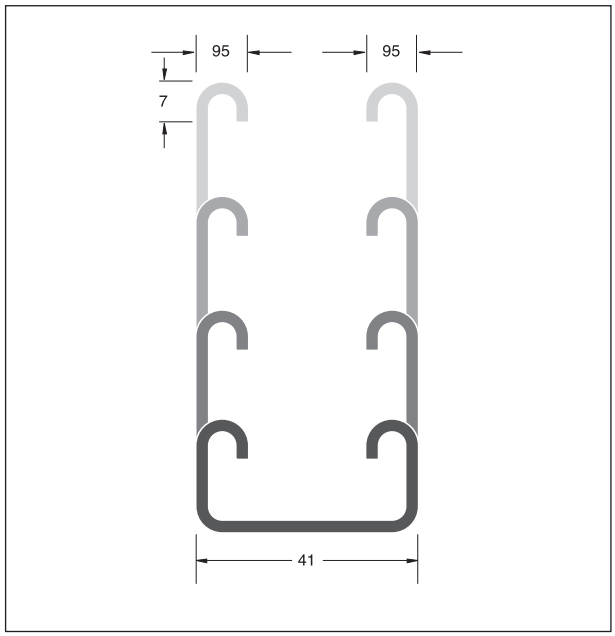
Technical Information Channels

Introduction

Kwikstrut channels are produced in a range of sizes from either 1.5, 2.0, 2.5 or 3.0mm gauge strip steel. The profile width and the inturned channel lip remains constant throughout the range, permitting the comprehensive selection of fittings and channel nuts to be used for all channels.



Standard Kwikstrut channel ensures a high load carting capacity whilst the thinner Uni range channel provides economical support for lighter loads, maintaining total flexibility in the design and construction of assemblies required for framing applications.

Performance

Kwikstrut channels meet the requirements of BS 6946: 1988. Detailed information about the technical performance of a Kwikstrut channel is provided in the catalogue. Data published is based on a mild steel channel.

Our technical department will be pleased to advise on any additional information relating to the design and use of Kwikstrut products.

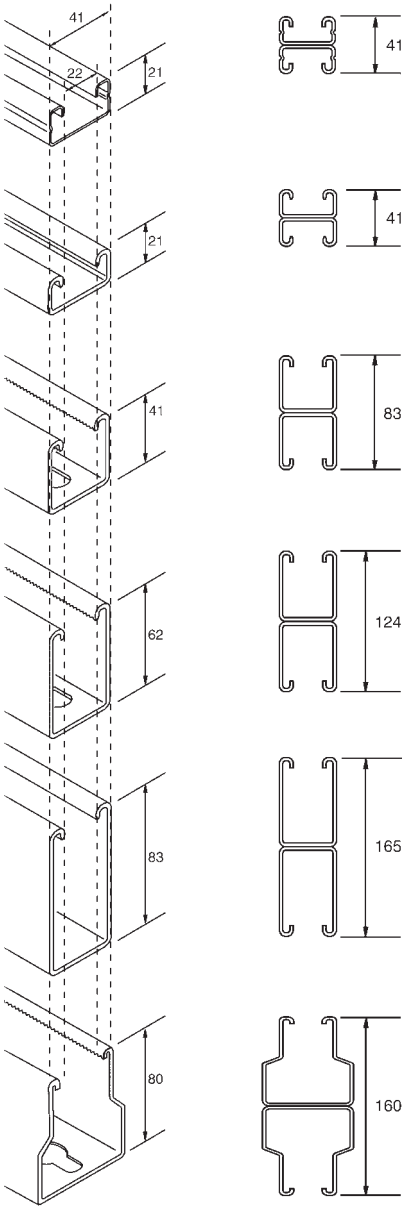
Beam loads

Allowable uniformly distributed loads are shown for various simple spans (i.e. beam on two supports with adequate lateral restraint). For loads concentrated at the centre of the spans, multiply the load by 0.5 and the deflection by 0.8.

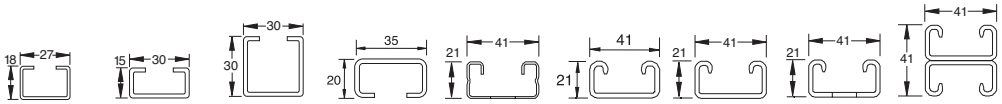
Stress 175N/mm² is recommended on long spans where deflection is not a factor (guaranteed yield 280N/mm²).

Deflection 1/200 span is recommended to avoid undue deflections.

Deflection 1/360 span is recommended where imperceptible deflection is required.

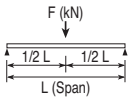


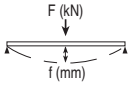
Support Overview & Load Data

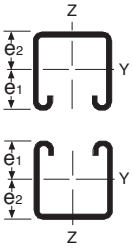


Channel:			UNI0	UNI1	UNI2	UNI3	K4000T	K3100T	K3300	K3300T10	K3301T10
Technical details:											
Wall thickness	t	(mm)	1.25	2.0	2.0	2.5	1.5	2.0	2.5	2.5	2.5
Area of section	A	(cm^2)	0.715	1.044	1.64	1.72	1.30	1.74	2.32	1.97	4.64
Weight		(Kg/m)	0.61	0.89	1.3	2.5	1.16	1.43	1.91	1.76	3.76
Standard length		(m)	2, 3 & 6	2, 3 & 6	2, 3 & 6	2 & 6	2, 3 & 6	3 & 6	3 & 6	3 & 6	3 & 6
Outer dimensions	HxW	(mm)	18x27	15x30	30x30	20x35	21x41	21x41	21x41	21x41	41x41
Slot size	LxW	(mm)	20x10.5	20x10.5	20x10.5	20x10.5	25x11	25x11	plain	25x11	25x11
Slot pitch		(mm)	50 mm	50 mm	50 mm	50 mm	50 mm	50 mm		50 mm	50 mm
Finish:			| = on application I = standard								
Plain oil	1								I	I	I
Pre galvanised	2		I	I	I	I	I	I	I	I	I
Hot dip galvanised	3								I	I	I
Stainless steel A4 1.4404								|	I	I	I
Stainless steel A2 1.4301								|	I	I	|
Elements of section:											
Axis X-X											
Centre of gravity 1	e1	(mm)	9.44	7.94	15.6	10.58	10.69	11.33	12.28	11.01	20.63
Centre of gravity 2	e2	(mm)	8.56	7.06	14.4	9.42	9.96	9.67	8.35	9.62	20.63
Moment of Inertia	Iy	(cm^4)	0.30	0.29	1.75	0.87	0.75	0.96	1.19	0.98	5.64
Section modulus	Wy	(cm^3)	0.32	0.36	1.12	0.82	0.70	0.88	0.97	0.89	2.73
Radius of gyration	Iy	(cm)	0.65	0.53	1.03	0.71	0.76	0.74	0.71	0.70	1.10
Allowable stress	Gmax	(N/mm^2)	140	140	140	140	160	175	175	175	175
Axis Y-Y											
Moment of Inertia	Iz	(cm4)	0.94	1.5	2.68	3.15	3.64	4.63	5.34	5.29	10.68
Section modulus	Wz	(cm3)	0.70	1.0	1.79	1.85	1.76	2.24	2.59	2.56	5.18
Radius of gyration	Iz	(cm)	1.15	1.2	1.27	1.36	1.67	1.63	1.51	1.63	1.51

Point Load:







	Fmax (kN)	fmax (mm)	Fmax (kN)	fmax (mm)	Fmax (kN)	fmax (mm)	Fmax (kN)	fmax (mm)	Fmax (kN)	fmax (mm)	Fmax (kN)	fmax (mm)	Fmax (kN)	fmax (mm)	Fmax (kN)	fmax (mm)	Fmax (kN)	fmax (mm)
250	0.716	0.37	0.874	0.44	2.620	0.22	1.836	0.33	1.957	0.41	2.295	0.39	2.712	0.36	2.492	0.40	7.613	0.21
500	0.357	1.48	0.434	1.75	1.308	0.89	0.916	1.31	0.976	1.66	1.145	1.55	1.354	1.45	1.246	1.61	3.806	0.86
750	0.237	3.34	0.288	3.94	0.869	2.00	0.607	2.95	0.652	3.73	0.760	3.49	0.903	3.26	0.829	3.63	2.536	1.94
1000	0.176	5.94	0.214	7.02	0.649	3.56	0.452	5.25	0.486	6.63	0.567	6.20	0.677	5.79	0.623	6.46	1.903	3.44
1250	0.140	9.33	0.170	11.04	0.516	5.57	0.358	8.21	0.387	10.37	0.450	9.69	0.540	9.06	0.495	10.09	1.521	5.38
1500	0.116	13.54	0.139	15.87	0.426	8.02	0.296	11.88	0.324	14.94	0.372	13.99	0.451	13.04	0.412	14.54	1.265	7.74
1750	0.097	18.28	0.118	21.83	0.363	10.97	0.251	16.24	0.280	20.33	0.316	19.10	0.387	17.75	0.353	19.78	1.084	10.54
2000	0.084	24.09	0.100	28.32	0.314	14.33	0.216	21.24	0.240	26.55	0.275	25.10	0.338	23.19	0.309	25.84	0.952	13.77
2250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.844	17.42
2500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.760	21.49
2750	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.692	26.03
3000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.633	30.98

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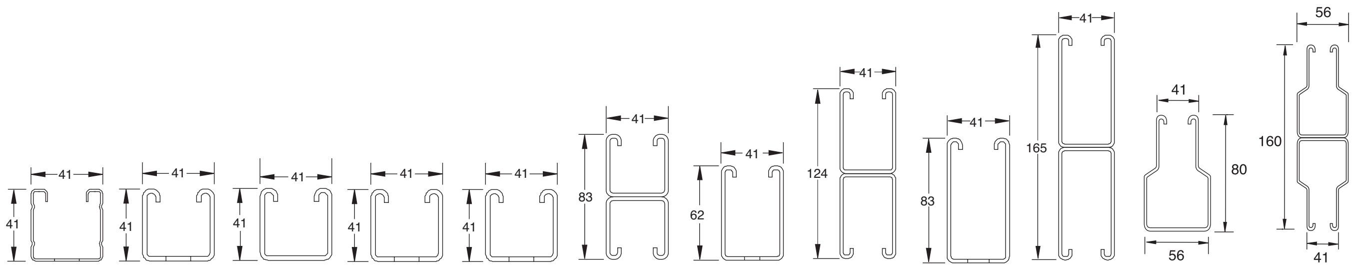


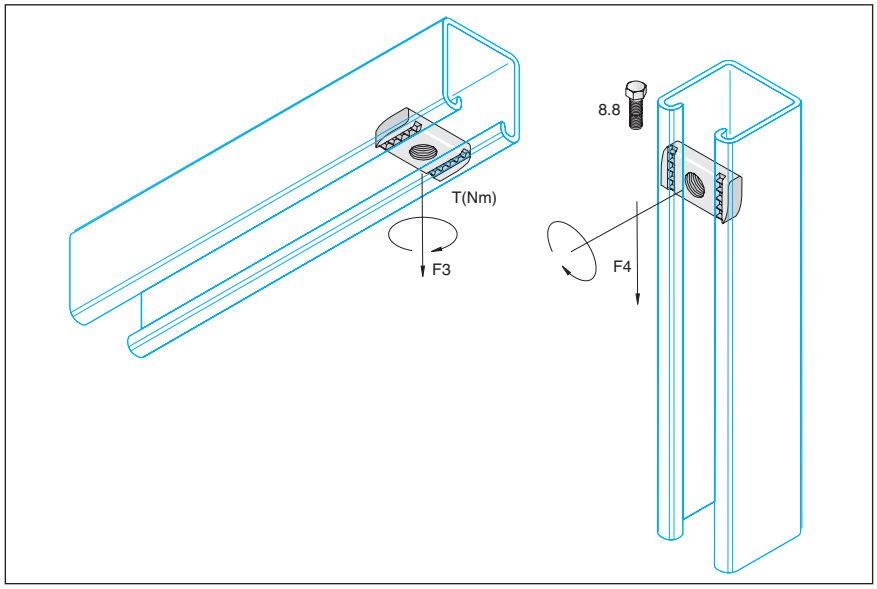
K2000T	K1100T	K1000	K1000T	K1300T	K1001T	K5500T	K5501T	K5000T	K5001T	K8000T	K8001T
1.5 1.92 1.72 3 & 6 41x41 28x14 50 mm	2.0 2.51 2.18 3 & 6 41x41 30x14 50 mm	2.5 3.35 2.88 3 & 6 41x41 plain	2.5 3.00 2.73 3 & 6 41x41 28x14 50 mm	3.0 3.66 3.11 3 & 6 41x41 28x14 50 mm	2.5 6.00 5.47 3 & 6 83x41 28x14 50 mm	2.5 4.03 3.60 3 & 6 62x41 28x14 50 mm	2.5 8.76 7.50 3 & 6 124x41 28x14 50 mm	2.5 5.06 4.48 3 & 6 83x41 28x14 50 mm	2.5 10.82 9.26 3 & 6 165x41 28x14 50 mm	3.0 6.36 5.39 3 & 6 80x56 13x40 60.7 mm	3.0 12.71 10.78 3 & 6 160x56 13x40 60.7 mm

		I	I	I	I						
I	I	I	I	I	I	I	I	I	I	I	I
I		I	I	I	I	I	I	I	I		
	I	I	I	I	I	I	I	I	I		
		I	I	I	I	I	I	I	I		
20.82 20.48 4.24 2.04 1.48 160	20.64 20.36 5.33 2.58 1.42 175	23.26 18.04 7.21 3.10 1.46 175	21.30 20.00 6.10 2.87 1.42 175	21.70 19.60 7.49 3.60 1.43 175	41.30 41.30 36.21 8.77 2.45 175	31.60 30.38 17.67 5.59 2.09 167	61.98 61.98 109.76 17.70 3.53 167	41.90 40.70 37.76 9.01 2.72 132	82.60 82.60 243.17 29.44 4.74 132	45.44 34.56 51.8 11.4 2.85 160	80.00 80.00 257.3 32.2 4.50 160
6.10 2.95 1.78	9.17 4.44 1.74	9.23 4.47 1.66	9.17 4.44 1.74	10.97 5.31 1.73	18.34 8.88 1.74	13.07 6.33 1.79	26.26 12.72 1.72	16.95 8.21 1.82	34.00 16.48 1.77	27.77 9.92 2.09	55.54 19.84 2.09

Fmax (kN)	fmax (mm)	Fmax (kN)	fmax (mm)	Fmax (kN)	fmax (mm)	Fmax (kN)	fmax (mm)	Fmax (kN)	fmax (mm)	Fmax (kN)	fmax (mm)
5.710	0.21	6.605	0.19	8.677	0.18	8.034	0.22	9.779	0.3	-	-
2.855	0.84	3.302	0.77	4.336	0.76	4.017	0.84	4.896	1.21	-	-
1.903	1.89	2.202	1.73	2.889	1.72	2.678	1.88	3.271	2.73	8.182	0.97
1.428	3.36	1.651	3.07	2.168	3.06	2.006	3.34	2.461	4.86	6.136	1.72
1.138	5.25	1.321	4.80	1.731	4.78	1.604	5.23	1.976	7.6	4.910	2.69
0.952	7.63	1.101	6.92	1.442	6.88	1.339	7.53	1.655	10.96	4.091	3.87
0.804	10.41	0.944	9.41	1.236	9.36	1.148	10.25	1.426	14.93	3.057	5.27
0.701	13.66	0.826	12.29	1.084	12.23	1.001	13.38	1.256	19.53	3.066	6.89
0.623	17.43	0.734	15.56	0.961	15.48	0.893	16.94	1.125	24.76	2.727	8.72
0.553	21.08	0.660	19.21	0.863	19.11	0.800	20.92	1.02	30.62	2.453	10.77
0.500	25.59	0.600	23.24	0.785	23.13	0.726	25.31	0.936	37.11	2.232	13.02
0.454	30.47	0.550	27.66	0.721	27.52	0.667	30.12	0.866	44.26	2.045	15.50

Fmax (kN)	fmax (mm)	Fmax (kN)	fmax (mm)	Fmax (kN)	fmax (mm)	Fmax (kN)	fmax (mm)	Fmax (kN)	fmax (mm)	Fmax (kN)	fmax (mm)
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	14.580	00.35	-	-
4.964	1.20	-	-	6.298	0.71	-	-	9.712	0.79	-	-
3.723	2.14	-	-	4.724	1.27	-	-	7.270	1.40	20.500	0.79
2.977	3.34	-	-	3.777	1.98	12.267	1.00	5.805	2.19	16.426	1.24
2.482	4.82	7.873	2.46	3.149	2.86	10.222	1.44	4.825	3.15	13.665	1.79
2.124	6.55	6.749	3.34	2.698	3.89	8.760	1.96	4.125	4.29	11.690	2.44
1.859	8.56	5.906	4.38	2.359	5.09	7.667	2.56	3.595	5.60	10.205	3.19
1.653	10.84	5.248	5.54	2.099	6.44	6.813	3.24	3.185	7.10	9.045	4.03
1.486	13.38	4.724	6.83	1.888	7.94	6.1,31	4.00	2.855	8.78	8.119	4.99
1.354	16.19	4.292	8.27	1.717	9.62	5.577	4.84	2.585	10.69	7.357	6.04
1.241	19.27	3.934	9.84	1.575	11.45	5.111	5.77	2.355	12.66	6.720	7.19

Technical Information Channel Nuts



	Art. Nr. 5	T (Nm)	F3 kN	F4 kN
K1000 41	PNP06ZP	12	4.70	0.49
	PNP08ZP	28	5.78	1.56
	PNP10ZP	55	6.86	3.40
	PNP12ZP	95	8.82	5.88
	PNP16ZP	125	10.30	7.35
	M16SN*	95	8.82	
K3300 21 41	PNP06ZP	12	4.70	0.49
	PNP08ZP	28	5.78	1.56
	PNP10ZP	55	6.86	3.40
	PNP12AZ	60	6.86	2.64
	M16SN*	95	8.82	
K4000 21 41	PNP06ZP	12	3.33	0.49
	PNP08ZP	28	3.53	1.56
	PNP10ZP	40	3.92	1.66
	PNP12AZP	40	4.41	1.96
	M16SN*	40	3.92	
K1100 41 41	PNP06ZP	12	3.45	0.49
	PNP08ZP	28	4.65	1.56
	PNP10ZP	55	5.4	2.5
	PNP12ZP	55	6.6	4.55
K3100 21 41	PNP06ZP	12	3.45	0.49
	PNP08ZP	28	4.65	1.56
	PNP10ZP	55	5.4	2.5
	PNP12AZP	55	5.65	4.55

	Art. Nr. 4	T (Nm.)	F3 kN	F4 kN
K1000 41	PNP06SS	6.5	2.45	0.19
	PNP08SS	16	4.41	0.49
	PNP10SS	31.5	6.86	1.17
	PNP12ASS	55	6.86	1.66
	PNP16SS	125	10.30	3.92
K3300 21 41	PNP06SS	6.5	2.45	0.19
	PNP08SS	16	4.41	0.49
	PNP10SS	31.5	6.86	1.17
	PNP12ASS	55	6.86	1.66

*M16SN Hot forged

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Technical Information Kwikstrut Fittings

Standard dimensions
The dimensions shown relate to all Kwikstrut fittings except where noted on the part drawing. (see Fig. B)

Fitting Thickness : 6 mm unless stated
Hole Size : 14 mm diameter
Hole Spacing : 20 mm from end of fitting
48 mm centre to centre
Fitting Width : 40 mm unless otherwise stated
All dimensions subject to commercial tolerances

Fitting Application
All part drawings illustrate only one application of each fitting. In most cases many other applications are possible. The Kwikstrut members shown in the illustration are K1000, 41 mm square except where noted otherwise. All 14 mm diameter holes use 12 mm x 25 mm hex head screws quality 8.8 and 12 mm Kwikstrut nuts PNP12ZP depending on the Kwikstrut channel used. Nuts and bolts are not included with the fitting and must be ordered separately.
Please visit www.kwikstrut.com to verify all Kwikstrut check standard dimensions

Design load data
Where applicable, design data is based on a minimum safety factor of 2.5.

Many load diagrams indicate different design loads. These loads vary with the thickness of the steel from which the Kwikstrut channel is formed.

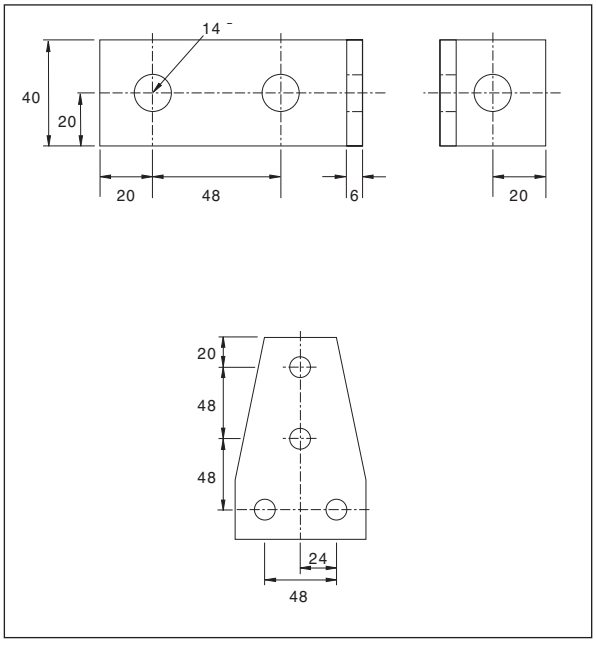
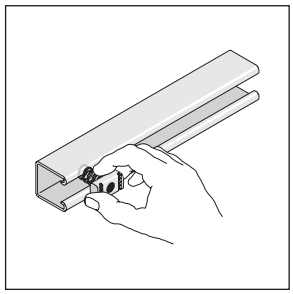
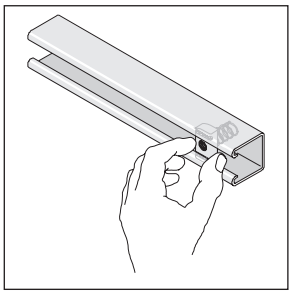
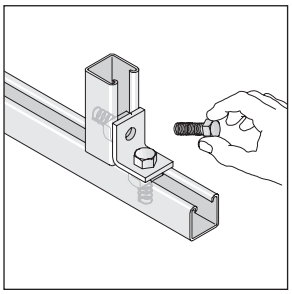
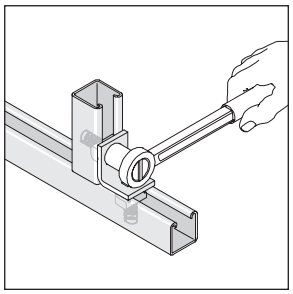


Fig. B

Pipeclips Clamping Ranges

Pipe Diameter		Mini	Perfect-1S	Standard-N	Stand-ard-R/ Standard-R-SS	Standard-P	Perfect-N	Perfect-R	Solid-N	Solid-R	Solid-S	DIN 3567A	PUN	KS	GKS	Massiv-R-SS	Massiv-N-SS	
mm	Zoll																	
10		10												10				
12		12												12				
14	1/4"				14-17					14-18	14-18					14-20	14-20	
15		15	15-19		14-17			15-20	15-19	14-18	14-18			15		14-20	14-20	
16		16	15-19		14-17	16		15-20	15-19	14-18	14-18					14-20	14-20	
18	3/8"	18	15-19	17-20	17-20		18-20	15-20	15-19	14-18	14-18		17.2/18	18	17.2/18	14-20	14-20	
19			15-19	17-20	17-20		18-20	15-20	15-19	19-23	19-23					14-20	14-20	
20				17-20	17-20	20	18-20	15-20	20-24	19-23	19-23					20-26	20-26	
22	1/2"	22	21-22	21-24	21-24		21-25	21-25	20-24	19-23	19-23	21.3	21.3/22	22	21.3/22	20-26	20-26	
23				21-24	21-24		21-25	21-25	20-24	19-23	19-23					20-26	20-26	
25				25-28		25	21-25	21-25	25-30	24-28	24-28			25		25-31	25-31	
28	3/4"	28	27-28	25-28	27-30		27-32	26-31	25-30	24-28	24-28	26.9	26.9/28	28	26.9/28	25-31	25-31	
30					27-30		27-32	26-31	25-30	29-33	29-33			30		25-31	25-31	
32				32-35		32	27-32	32-36	31-35	29-33	29-33					32-38	32-38	
35	1"	35	34-35	32-35	33-36		34-38	32-36	31-35	33-37	33-37	33.7	33.7/35	35	33.7/35	32-38	32-38	
38				38-41	38-41		34-38		36-41							32-38	32-38	
40			40-41	40-43	38-41	40	39-43		40-45	40-45	40-45					40-46	40-46	
42	1 1/4"	42	42-43	40-43	42-45		39-43	42-46	40-45	40-45	40-45	42.4	42.4/42	42	42.4	40-46	40-46	
45					42-45		43-46	42-46	40-45	40-45	40-45			44.5		40-46	40-46	
46							43-46	46-50								40-46	40-46	
48	1 1/2"	48	48-49	48-51	48-51		48-53	46-50	48-53	47-52	47-52	48.3	48.3	48.3	48.3	48-54	48-54	
50			49-50	48-51	48-51	50	48-53	50-54	48-53	47-52	47-52					48-54	48-54	
52							48-53	50-54	48-53	47-52	47-52					48-54	48-54	
53							48-53	50-54	48-53	53-58	53-58					53-55	53-55	
54			54-55	54-57	54-57			50-54	54-59	53-58	53-58		54	54	54	53-55	53-55	
55			54-55	54-57	54-57				54-59	53-58	53-58					53-55	53-55	
57/58			57-58	54-57	54-57			56-60	54-59	53-58	53-58				57	56-62	56-62	
60	2"		60-61	59-63	59-62		60-65	56-60	60-65	60-65	60-65	60.3	60.3		60.3	56-62	56-62	
63				59-63		63	60-65	63-68	60-65	60-65	60-65							
64							60-65	63-68	60-65	60-65	60-65			64	64			
65							60-65	63-68	60-65	60-65	60-65							
70				67-72	67-72		68-73	68-73	67-72	67-72	67-72			70	70			
73				71-77	72-78		68-73	68-73		73-78	73-78					72-78	72-78	
75				71-77	72-78	75/78	73-77	75-80		73-78	73-78					72-78	72-78	
76	2 1/2"			71-77	72-78		73-77	75-80	76-81	73-78	73-78	76.1	76.1	76.1	76.1	72-78	72-78	
78					72-78	75/78		75-80	76-81	73-78	73-78					72-78	72-78	
80					80-85			80-85	76-81	79-85	79-85						72-78	
84					80-85/84-89		84-90	84-89	82-85	79-85	79-85							
89	3"			85-90	84-89		84-90	88-92	88-94	88-93	88-93	88.9	88.9	88.9	88.9	86-91	86-91	
90				85-90		90	84-90	88-92	88-94	88-93	88-93					86-91	89-91	

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	AIR-N	AIR-R	blank EN 1057	Wicu Standard		Wicu Extra		Steel pipe EN 10255		Steel pipe EN 10220		Stainless steel pipe		SML-pipe DIN 19522		HT-pipe		PVC-pipe DIN 8062 - series 3		PP-pipe DIN 8077		PE-pipe DIN 8074		Ventilation duct DIN 24145	
			AD mm	DN	AD mm	DN	AD mm	DN Inches	AD mm	DN	AD mm	DN	AD mm	DN	AD mm	DN	AD mm	DN	AD mm	DN	AD mm	DN	AD mm	DN	AD mm
			10x1.0	6x1.0	10																				
			12x1.0	8x1.0	12																				
				10x1.0	14			8 / 1/4"	14																
			15x1.0																						
				12x1.0	16																				
			18x1.0					10 / 3/8"	17	10	17	10	17												
				15x1.0	19																				
																					20				
			22x1.0	18x1.0	22			15 / 1/2"	21	15	21	15	21												
						12x1.0	26														25				
			28x1.5	22x1.0	26	15x1.0	29	20 / 3/4"	27	20	27	20	27												
				28x1.5	33	18x1.0	32														32		32		
			35x1.5					25 / 1"	34	25	34	25	34												
				35x1.5	40											40	40				40		40		
			42x1.5			18x1.0	42	32 / 1 1/4"	42	32	42	32	42												
						22x1.0	45				45														
				42x1.5	48			40 / 1 1/2"	48	40	48	40	48	40	48										
																50	50	40	50		50		50		
			54x2.0																						
										51	57			50	58								56		
								50 / 2"	60	50	60	50	60												
																		50	63		63		63		
			64x2.0								64														
		68-74								65	70														
		68-74																						71	73
																70	75	70	75		75		75		
		77-83	76.1x2.0					65 / 2 1/2"	76	65	76	65	76												
		77-83												70	78										
		77-83																						80	82
	84																								
		87-93	88.9x2.0					80 / 3"	89	80	89	80	89												
		87-93														90	90	80	90		90		90	90	92

Pipeclips Clamping Ranges

Pipe Diameter		Mini	Perfect-1S	Standard-N	Stand-ard-R/ Standard-R-SS	Standard-P	Perfect-N	Perfect-R	Solid-N	Solid-R	Solid-S	DIN 3567A	PUN	KS	GKS	Massiv-R-SS	Massiv-N-SS	
101							97-103	97-102	95-102	100-106	100-106							
102							97-103	97-102	102-108	100-106	100-106			102				
108				107-114			106-111	106-111	102-108	108-116	108-116	108		108	108	108-116	108-116	
110				107-114	109-114	110	109-114	106-111	110-116	108-116	108-116					108-116	108-116	
114	4"			107-114	109-114		109-114	113-119	110-116	108-116	108-116	114.3	114.3	114.3	114.3	108-116	108-116	
116								113-119	110-116	108-116	108-116					108-116	108-116	
121									117-124	117-123	117-123							
125				123-127		125	125-130	122-127	124-129	124-129	124-129			125		122-130	122-130	
133					133-141			131-136	133-140	131-137	131-137	133		133	133	132-140	132-140	
135					133-141	135		131-136	133-140	131-137	131-137					132-140	132-140	
140	5"			139-146	133-141		139-145	137-142	140-146	138-145	138-145	139.7	139.7	139.7	139.7	139-147	139-147	
150									149-155	148-154	148-154							
154									149-155	148-154	148-154				154			
159					159-170			158-163	159-165	156-162	156-162	159			159	157-165	157-165	
160				158-162	159-170	160	160-168	158-163	159-165	156-162	156-162			160		157-165	157-165	
168	6"			167-175	159-170		160-168	164-168	167-173	165-171	165-171	168.3	168.3	168	168.3	165-170	165-170	
168				167-175	159-170		160-168	164-168	167-173	165-171	165-171	168.3	168.3	168	168.3	165-170	165-170	
180									176-182	177-183	177-183							
194									188-194	188-194	188-194	194						
200				198-202	198-202				199-205	196-203	196-203							
210					210-221				207-216	205-214	205-214					208-216	208-216	
216					210-221				207-216							216-224	216-224	
219	8"			218-226	210-221				219-226	219-225	219-225	219.1			219.1	216-224	216-224	
225				218-226					219-226	219-225	219-225							
244									244-250	244-250	244-250							
250				248-252					244-250	244-250	244-250							
267									267-273	265-273	265-273	267				265-275	265-275	
273	10"								267-273	265-273	265-273	273			273	265-275	265-275	
280									278-284									
300									297-304	299-305	299-305							
315									305-316									
324	12"								316-324	316-324	316-324	323.9			324	322-333	322-333	
326																322-333	322-333	
355									348-356	348-356	348-356	355.6			356			
359									360-368	360-368	360-368							
368									360-368	360-368	360-368	368.3			368			
400									399-407	399-409	399-409							
406	16"								399-407	399-409	399-409	406.4			406			
419									411-419	411-419	411-419	419						
457												457			457			
500									500-508	500-508	500-508							
508	20"								500-508	500-508	500-508	508			508			
609															609			

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AIR-N	AIR-R	blank EN 1057	Wicu Standard		Wicu Extra		Steel pipe EN 10255		Steel pipe EN 10220		Stainless steel pipe		SML-pipe DIN 19522		HT-pipe		PVC-pipe DIN 8062 - series 3		PP-pipe DIN 8077		PE-pipe DIN 8074		Ventilation duct DIN 24145	
	97-103																							
105	97-103										90	102											100	103
		108x2.5							100	108														
	109-115												100	110	100	110	100	110		110		110		
	109-115						100 / 4"	114															112	115
									110	121														
130	122-128														125	125	125	125		125		125	125	128
		133x3.0							125	133	125	133												
													125	135										
145	137-143						125 / 5"	140	125	140	125	140								140			140	143
155	147-153																						150	153
	158-164	159x3.0							150	159	150	159												
165	158-164												150	160	150	160	150	160		160		160	160	163
							150 / 6"	165	150	165														
									150	168	150	168												
185	177-183																	180		180			180	183
									175	194														
205	197-203																	200		200		200	200	203
													200	210										
											200	216												
	218-224	219x3.0							200	219														
229	218-224																	225		225			224	227
									225	244														
255	247-253																	250		250		250	250	253
		267x3.0																						
									260	273			250	274										
285	277-283																	280		280			280	283
307	298-304																						300	304
322	313-319																	315		315		315	315	319
													300	326										
																				355				
362																							355	359
	398-404																			400			400	404
407																								
457	445-455																						450	454
507	495-505																			500			500	504
608	596-606																						600	605

Technical Information Pipe Weights

Pipes according EN 10255

DN	Size "	Ø Outside (mm)	thickness (mm)	weight (Kg/m)	plus water (Kg/m)	plus isol. (Kg/m)	span (m)
8	1/4"	13.5	2.35	0.65	0.80	1.0	2.00
10	3/8"	17.2	2.35	0.85	1.00	1.3	2.25
15	1/2"	21.3	2.65	1.22	1.60	1.8	2.75
20	3/4"	26.9	2.65	1.58	2.20	2.5	3.00
25	1"	33.7	3.25	2.44	3.40	3.9	3.50
32	1 1/4"	42.4	3.25	3.14	4.70	5.5	3.75
40	1 1/2"	48.3	3.25	3.61	5.60	6.5	4.25
50	2"	60.3	3.65	5.10	8.20	10.0	4.75
65	2 1/2"	76.1	3.65	6.51	11.40	1.40	5.50
80	3"	88.9	4.05	8.47	15.10	18.5	6.00
100	4"	114.3	4.50	1.210	22.90	28.3	6.00
125	5"	139.7	4.85	16.20	32.20	38.3	6.00

Steel pipes according to EN 10220

DN	Size "	Ø Outside (mm)	thickness (mm)	weight (Kg/m)	plus water (Kg/m)	plus isol. (Kg/m)	span (m)
10	3/8"	17.2	1.80	0.69	0.90	1.1	2.25
15	1/2"	21.3	2.00	0.96	1.30	1.5	2.75
20	3/4"	26.9	2.30	1.41	2.0	2.2	3.00
25	1"	33.7	2.60	2.01	2.9	3.4	3.50
32	1 1/4"	42.4	2.60	2.70	4.2	5.0	3.75
40	1 1/2"	48.3	2.60	2.95	4.8	5.7	4.25
46		51.0	2.60	3.12	5.2	6.4	4.40
50		57.0	2.90	3.90	6.7	8.5	4.60
50	2"	60.3	2.90	4.14	7.0	8.8	4.75
57		63.5	2.90	4.36	7.5	9.5	4.75
65	2 1/2"	76.1	2.90	5.28	9.8	12.4	5.50
76		82.5	3.20	6.31	11.7	14.9	5.75
80	3"	88.9	3.20	6.81	13.0	16.4	6.00
94		101.6	3.60	8.76	16.9	21.9	6.00
100		108.0	3.60	9.33	18.5	23.7	6.00
100	4"	114.3	3.60	9.90	20.2	25.6	6.00
		127.0	4.00	12.20	24.9	30.6	6.00
125		133.0	4.00	12.80	26.7	32.6	6.00
125	5"	139.7	4.00	13.50	28.8	34.9	6.00
		152.4	4.50	16.40	34.5	41.0	6.00
150		159.0	4.50	17.10	37.0	43.5	6.00
150	6"	168.3	4.50	18.10	40.4	47.1	6.00
		177.8	5.00	21.30	46.1	53.1	6.00
		193.7	5.60	26.00	54.5	61.9	6.00
200	8"	219.1	6.30	33.10	68.7	76.7	6.00
		244.5	6.30	37.00	96.6	92.9	6.00
250	10"	273.0	6.30	41.60	100.1	109.5	6.00
300	12"	323.9	7.10	55.60	138.1	148.7	6.00
350		355.6	8.00	68.60	168.3	179.8	6.00
400	16"	406.4	8.80	85.90	215.6	228.3	6.00
500	20"	508.0	11.00	135.00	337.7	353.0	6.00

Copper pipes EN 1057 and EN 12449

DN	Size "	Ø Outside (mm)	thickness (mm)	weight (Kg/m)	plus water (Kg/m)	plus isol. (Kg/m)	span (m)
8		10.0	1.00	0.25	0.3	0.5	1.00
10		12.0	1.00	0.31	0.4	0.6	1.25
12		15.0	1.00	0.39	0.6	0.7	1.25
15		18.0	1.00	0.47	0.7	0.9	1.50
20		22.0	1.00	0.59	1.0	1.2	2.00
25		28.0	1.50	1.11	1.7	2.2	2.25
32		35.0	1.50	1.42	2.4	2.9	2.75
40		42.0	1.50	1.70	3.0	3.9	3.00
50		54.0	2.00	2.91	5.2	6.5	3.50
50		64.0	2.00	3.47	6.7	8.7	4.00
65		76.1	2.00	4.14	8.7	11.3	4.25
80		88.9	2.00	4.90	11.1	14.5	4.75
100		108.0	2.50	7.37	16.6	21.8	5.00
125		133.0	3.00	10.90	24.8	30.7	5.00
150		159.0	4.00	17.3	37.2	43.0	5.00

Mapress copper pipes DIN EN 1057

DN	Size "	Ø Outside (mm)	thickness (mm)	weight (Kg/m)	plus water (Kg/m)	plus isol. (Kg/m)	span (m)
10		12.0	1.00	0.31	0.4	0.6	1.25
12		15.0	1.00	0.39	0.5	0.7	1.25
12		15.0	1.50	0.57	0.7	0.9	1.25
15		18.0	1.00	0.48	0.7	0.9	1.50
15		18.0	1.50	0.59	0.8	1.0	1.50
20		22.0	1.00	0.69	1.0	1.2	2.00
20		22.0	1.50	0.86	1.2	1.5	2.00
25		28.0	1.00	1.05	1.5	1.8	2.25
25		28.0	1.50	1.11	1.6	2.1	2.25
32		35.0	1.50	1.41	2.2	2.6	2.75
40		42.0	1.50	1.70	2.9	3.9	3.00
50		54.0	2.00	1.96	4.9	6.3	3.50

Welded Steel pipes acc. EN 10220

DN	Size "	Ø Outside (mm)	thickness (mm)	weight (Kg/m)	plus water (Kg/m)	plus isol. (Kg/m)	span (m)
10		17.2	2.00	0.75	1.0	1.2	2.25
15		2.13	2.00	0.96	1.3	1.5	2.75
20		2.69	2.00	1.23	1.8	2.0	3.00
25		33.7	2.30	1.78	2.7	3.2	3.50
32		44.5	2.60	2.70	4.2	5.0	3.75
40		48.3	2.60	2.93	4.8	5.7	4.25
		51.0	2.60	3.10	5.2	6.4	4.40
50		57.0	2.90	3.87	6.7	8.5	4.60
		60.3	2.90	4.11	7.0	8.8	4.75
		63.5	2.90	4.33	7.5	9.5	4.75
65		76.1	2.90	5.24	9.8	12.4	5.50
		82.5	3.20	6.26	11.7	14.9	5.75
80		88.9	3.20	6.76	13.0	16.4	6.00
		101.6	3.60	8.70	16.9	21.9	6.00
		108.0	3.60	9.27	18.5	23.7	6.00
100		114.3	3.60	9.83	20.2	25.6	6.00
		127.0	4.00	12.10	24.9	30.6	6.00
		133.0	4.00	12.07	26.7	32.6	6.00
125		139.7	4.00	13.40	28.8	34.9	6.00
		152.4	4.50	16.40	34.6	41.0	6.00
		159.0	4.50	17.10	37.0	43.5	6.00
150		168.3	4.50	18.20	40.4	47.1	6.00
		177.8	5.00	21.30	46.1	53.1	6.00
		193.7	5.60	26.00	54.5	61.9	6.00
200		219.1	6.30	33.10	68.7	76.7	6.00
		244.5	6.30	37.00	96.6	92.9	6.00
250		273.0	6.30	41.40	100.1	109.5	6.00
300		323.9	7.10	55.50	138.0	148.7	6.00
350		355.6	8.00	63.60	168.3	179.8	6.00
400		406.4	8.80	86.30	215.6	228.3	6.00
500		508.0	11.00	135.00	337.7	353.0	6.00

Stainless Steel acc. EN 10312

DN	Size "	Ø Outside (mm)	thickness (mm)	weight (Kg/m)	plus water (Kg/m)	plus isol. (Kg/m)	span (m)
10		17.2	1.00	0.41	0.9	1.1	1.25
15		21.3	2.00	0.97	1.3	1.5	1.50
20		26.9	2.00	1.25	1.8	2.1	2.00
25		33.7	2.00	1.58	2.5	3.0	2.25
32		42.4	2.00	2.02	3.4	4.3	2.75
40		48.3	2.00	2.31	4.1	5.0	3.00
50		60.3	2.00	2.92	5.8	7.6	4.00
65		76.1	2.00	3.70	8.3	10.8	4.25
80		88.9	2.00	4.35	10.6	14.0	4.75
100		114.3	2.60	7.27	17.5	22.9	5.00
125		139.7	2.60	8.92	24.3	30.3	5.00
150		168.3	3.20	13.20	35.5	42.2	5.00
200		219.1	3.20	17.30	55.0	63.0	5.00
250		273.0	3.20	21.60	80.1	89.5	5.00
300		323.9	3.20	25.70	108.1	118.8	5.00
400		406.4	3.20	32.30	162.0	174.7	5.00
500		508.0	3.20	40.40	243.0	258.4	5.00

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Drain pipes according to DIN 19500

DN	Size	Ø Outside (mm)	thickness (mm)	weight (Kg/m)	plus water (Kg/m)	span (m)
50		60.0	3.50	5.30	7.50	0.60
70		80.0	3.50	7.10	11.28	0.80
100		112.0	4.00	10.30	18.79	1.15
125		137.0	4.00	13.70	26.76	1.35
150		162.0	5.00	17.30	35.43	1.60
200		212.0	6.00	32.70	64.10	2.00

Ductile pipes (SML,ML) DIN EN 877 / DIN19522

40		48.0	3.0	3.10	4.50	+/- 1,5 meter (Based upon manufacturers data)
50		58.0	3.5	4.30	6.40	
70		78.0	3.5	5.90	9.90	
80		83.0	3.5	6.30	10.50	
100		110.0	3.5	8.40	17.70	
125		135.0	4.0	11.80	24.50	
150		160.0	4.0	14.10	32.30	
200		210.0	5.0	23.10	54.60	
250		274.0	5.5	33.30	87.70	
300		326.0	6.0	43.20	120.80	
400		429.0	6.3	60.0	193.3	
500		532.0	7.0	82.6	290.1	
600		635.0	7.7	108.5	405.6	

Drain pipes, PE (Geberit) DIN 8074

30		32.0	3.00	0.26	0.8	0.50
40		40.0	3.00	0.33	1.2	0.50
50		50.0	3.00	0.42	1.9	0.80
56		56.0	3.00	0.47	2.4	0.80
70		75.0	3.00	0.65	4.4	0.80
90		90.0	3.50	0.91	6.3	0.90
100		110.0	4.30	1.35	9.4	1.10
125		125.0	4.90	1.75	12.2	1.30
150		160.0	6.20	2.84	20.0	1.60
200		200.0	6.20	3.58	31.3	2.00
200		200.0	7.70	4.42	31.3	2.00
250		250.0	7.80	5.63	48.8	2.00
300		315.0	9.80	8.92	77.4	2.00
300		315.0	12.20	11.02	77.4	2.00

Drain pipes, PVC, hard DIN 8062 / DIN 19532 (Reihe 3)

32		40.0	1.80	0.33	1.0	0.50
40		50.0	1.80	0.42	1.7	0.50
50		63.0	1.90	0.56	2.8	0.60
65		75.0	2.20	0.78	3.9	0.75
80		90.0	2.70	1.13	5.6	0.85
100		110.0	3.20	1.64	8.4	1.15
125		125.0	3.70	2.13	10.9	1.25
125		140.0	4.10	2.65	13.6	1.50

Drain pipes PP-SDR 17.6 (Simana) DIN 8077

		25.0	1.80	0.13	0.4	0.50
		32.0	1.80	0.17	0.6	0.70
		40.0	2.30	0.27	1.0	0.80
		50.0	2.90	0.42	2.0	1.00
		63.0	3.60	0.66	3.1	1.30
		75.0	4.30	0.94	4.4	1.40
		90.0	5.10	1.33	6.3	1.50
		110.0	6.30	1.99	9.4	1.60
		125.0	7.10	2.55	12.2	1.80
		140.0	8.00	3.20	15.3	1.90
		160.0	9.10	4.17	20.0	2.00
		180.0	10.20	5.25	25.3	2.10
		200.0	11.40	6.50	31.2	2.20
		225.0	12.80	8.19	39.4	2.30
		250.0	14.20	10.10	48.7	2.50
		280.0	15.90	12.60	61.0	2.60
		315.0	17.90	16.00	77.2	2.80
		355.0	20.10	20.30	98.1	3.00
		400.0	22.70	25.70	124.5	3.20
		500.0	28.40	40.20	194.5	3.80

Mannesmann Mapress Stainless Steel Pipes

DN	Size	Ø Outside (mm)	thickness (mm)	weight (Kg/m)	plus water (Kg/m)	span (m)
12		15.0	1.00	0.35	0.5	1.25
15		18.0	1.00	0.42	0.6	1.50
20		22.0	1.20	0.62	0.9	2.00
25		28.0	1.50	0.80	1.3	2.25
32		35.0	1.50	1.26	2.1	2.75
40		42.0	1.50	1.52	2.7	3.00
50		54.0	2.00	2.63	4.6	3.50
65		76.1	2.00	3.71	7.8	4.25
80		88.9	2.00	4.35	10.0	4.75
100		108.0	2.00	5.31	13.8	5.00

Mannesmann Mapress C-Steel Pipes

10		14.0	1.20	0.34	0.4	1.25
12		17.0	1.20	0.43	0.6	1.25
15		20.0	1.20	0.54	0.7	1.50
20		24.0	1.50	0.82	1.1	2.00
25		30.0	1.50	1.05	1.6	2.25
32		37.0	1.50	1.32	2.1	2.75
40		44.0	1.50	1.62	2.8	3.00
50		56.0	1.50	2.10	4.2	3.50

Gerberit Mepla

12		16.0	2.25	0.13	0.3	1.50
15		20.0	2.50	0.19	0.4	1.50
20		26.0	3.00	0.30	0.6	1.50
25		32.0	3.00	0.42	1.0	2.00
32		40.0	3.50	0.60	1.5	2.00
40		50.0	4.00	0.84	2.2	2.50
50		63.0	4.50	1.11	3.4	2.50
65		75.0	4.70	1.45	4.8	3.00

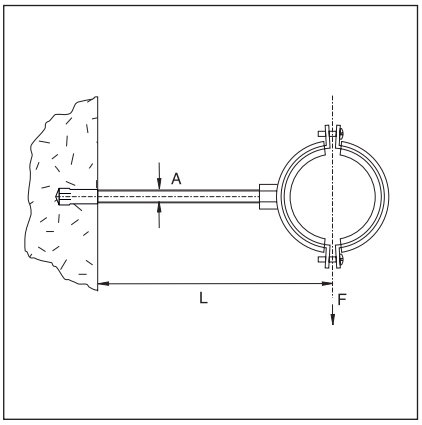
Uponor Unipipe white

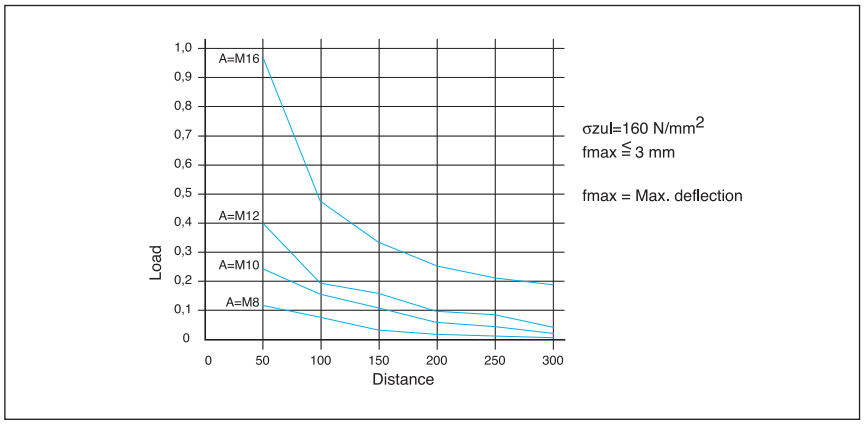
		14.0	2.00	0.09	0.2	1.20
		16.0	2.00	0.12	0.3	1.20
		18.0	2.00	0.13	0.3	1.20
		20.0	2.25	0.18	0.4	1.30
		25.0	2.50	0.24	0.6	1.50
		32.0	3.00	0.32	0.9	1.60
		40.0	4.00	0.51	1.3	1.70
		50.0	4.50	0.74	2.1	2.00
		63.0	6.00	1.22	3.3	2.20
		75.0	7.50	1.79	4.6	2.40
		90.0	8.50	2.56	6.8	2.40
		110.0	10.00	3.63	10.0	2.40

Ventilation ducts

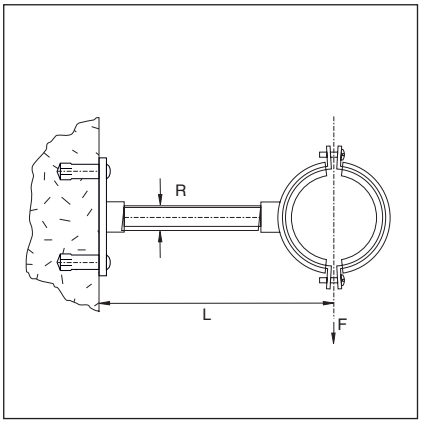
Size		DIN24145 mm	weight per meter by thickness 0.4 mm	0.6 mm	0.8 mm	1.0 mm	1.2 mm
80	80	0.4	0.9	1.35			
100	100	0.6	1.1	1.69	2.25		
112	112	0.6	1.2	1.89	2.52		
125	125	0.6	1.4	2.11	2.81		
140	140	0.6	1.5	2.36	3.15		
150	150	0.6		2.53	3.38		
160	160	0.6		2.70	3.60		
180	180	0.6		3.07	4.05		
200	200	0.6		3.38	4.50	5.63	
224	224	0.6		3.78	5.04	6.30	
250	250	0.6		4.22	5.63	7.03	
280	280	0.6		4.73	6.30	7.88	
300	300	0.6		5.06	6.75	8.44	
315	315	0.6		5.32	7.09	8.86	
355	355	0.8		5.99	7.99	10.00	
400	400	0.8		6.75	9.00	11.30	13.77
450	450	0.8			10.13	12.70	15.49
500	500	0.8			11.25	14.10	17.21
560	560	1.0			12.60	15.80	19.28
600	600	1.0			13.50	16.80	20.65
630	630	1.0			14.18	17.70	21.69
710	710	1.0			15.98	20.00	24.44
800	800	1.0				22.50	27.54
900	900	1.0				25.30	30.98
1000	1000	1.2				28.10	34.42

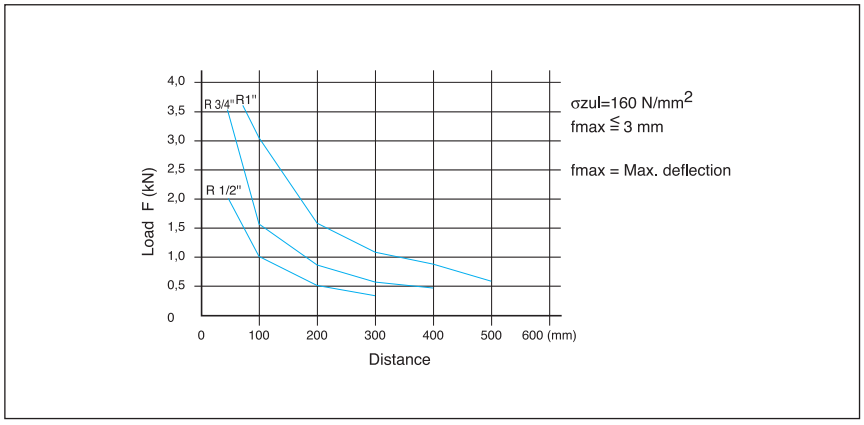
Loading Data on Threaded Rod





Loading data on threaded tube





Note: The loads are only an example for an anchor bolt type FAZ in cracked concrete C20/25 resp. B25. When using other anchors or anchor bolts or other fastening grounds the load has to be calculated accordingly.

Pipe expansion table

PE 0.2 (mm/mK)

Cu 0.0165 (mm/mK)

PP 0.15 (mm/mK)

Fe 0.0115 (mm/mK)

PVC 0.08 (mm/mK)

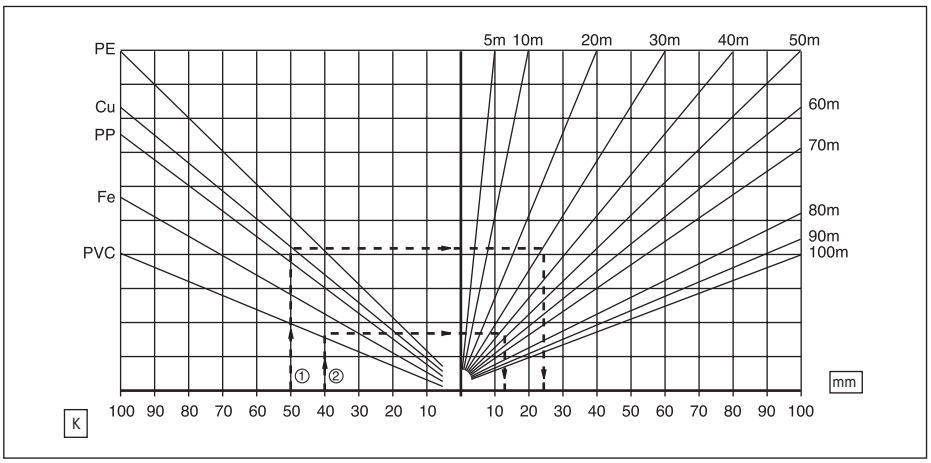
ΔL = Pipe expansion

L = Length of tube

ΔT = Temperature difference

a = Expansion coefficient

$$\Delta L = L \cdot \Delta T \cdot a$$
(mm) (m) (mm/m k)



Note: Plastic pipes (PE, PP, PVC) multiply the expansion valve from the chart by 10.

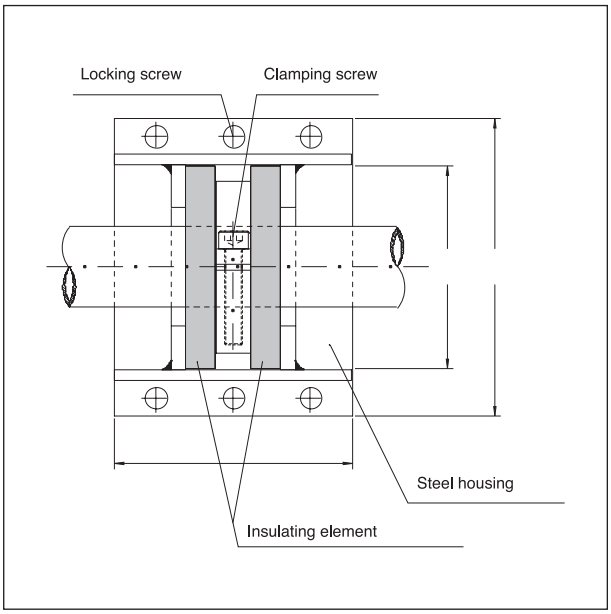
Example 1: Cu, 30 m
Temperature difference: Δ T =50 K
Dilatation: Δ L = 24.75 mm

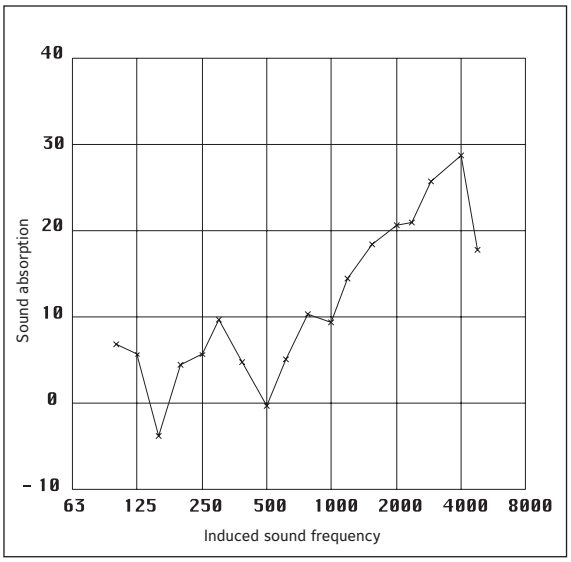
Example 2: PVC, 40 m
Temperature difference: Δ T =40 K
Dilatation: Δ L = 128 mm

Technical Information Fixpoint Herkules

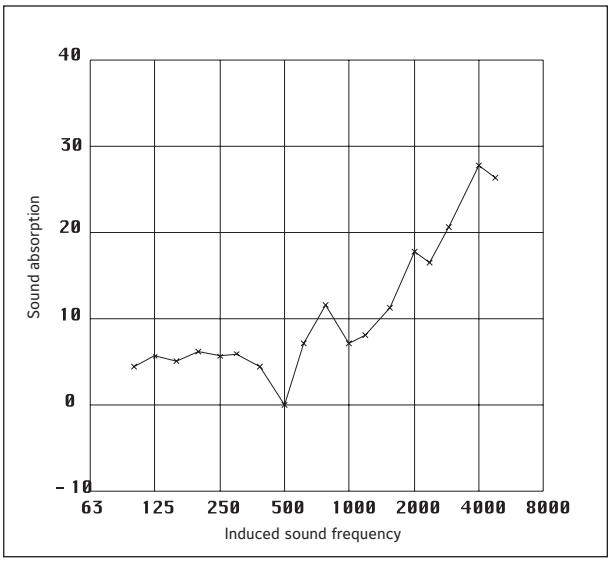
Technical details

- The clamping ring must be fastened to the torque mentioned in the table
- The fixed point needs to be positioned between two supports
- The max. anchor loads of the fixed point configuration are mentioned in the table



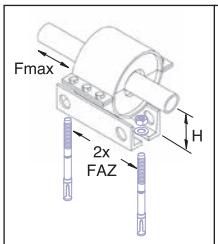


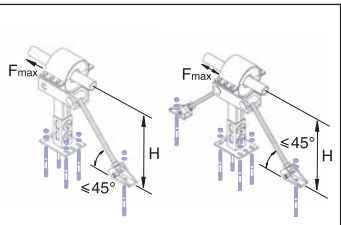
Fixed point installed without axial loading
Sound absorption 20.7 dB (A) measured with an induced sound frequency of 2000 Hz

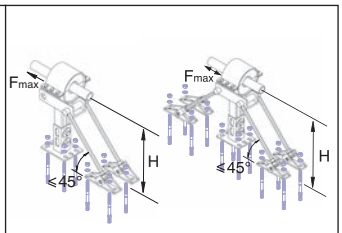


Fixed point installed with 2.1 kN axial load
Sound absorption 17.7 dB (A) measured with an induced sound frequency of 2000 Hz

Technical Information Fixpoint Herkules

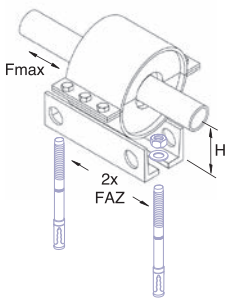




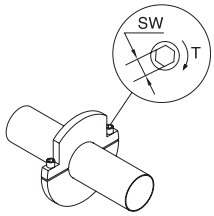


					Direct Mount				Mount with single shore						Mount with double shore					
										FAZ-IIPLUS						FAZ-IIPLUS				
Art. Nr. T < +120°C	Art. Nr. T > +220°C	D mm	D ''	T Nm	H mm	FAZ-IIPLUS Typ	FAZ-IIPLUS Qty	Fmax kN	min H max mm Qty	Typ	Qty	Typ	Qty/ brace	Fmax kN	min H max mm Qty	Typ	Qty	Typ	Qty/ 2 braces	Fmax kN
1501151	1502151	15	-	15	72	12/10	2	5	200 - 1000	10/10	4	12/10	1	3						
1501181	1502181	18	3/8	15	72	12/10	2	5	200 - 1000	10/10	4	12/10	1	3						
1501221	1502221	22	1/2	15	72	12/10	2	5	200 - 1000	10/10	4	12/10	1	3						
1501281	1502281	28	3/4	15	72	12/10	2	5	200 - 1000	10/10	4	12/10	1	3						
1501352	1502352	35	1	15	85	12/10	2	5	200 - 1000	10/10	4	16/25	1	5						
1501422	1502422	42	1 1/4	15	85	12/10	2	5	200 - 1000	10/10	4	16/25	1	5						
1501483	1502483	48	1 1/2	30	100	16/25	2	8	200 - 1000	10/10	4	16/25	2	10						
1501543	1502543	54	-	30	100	16/25	2	8	200 - 1000	10/10	4	16/25	2	10						
1501573	1502573	57	-	30	100	16/25	2	8	200 - 1000	10/10	4	16/25	2	10						
1501603	1502603	60	2	30	100	16/25	2	8	200 - 1000	10/10	4	16/25	2	10						
1501764	1502764	76	2 1/2	30	115	16/25	2	10	-	-	-	-	-	-	200 - 1000	10/10	4	16/25	8	15
1501894	1502894	89	3	30	115	16/25	2	10	-	-	-	-	-	-	200 - 1000	10/10	4	16/25	8	15
1501145	1502145	114	4	60	158	16/25	2	10	-	-	-	-	-	-	200 - 1000	10/10	4	20/30	8	20
1501405	1502405	140	5	60	158	16/25	2	10	-	-	-	-	-	-	200 - 1000	10/10	4	20/30	8	20
1501686	1502686	168	6	weld	180	16/25	2	20	-	-	-	-	-	-	310 - 1000	10/10	4	20/60	8	30
1501197	1502197	219	8	weld	210	16/25	2	20	-	-	-	-	-	-	330 - 1000	10/10	4	20/60	8	30
1501738	1502738	273	10	weld	250	16/25	2	20	-	-	-	-	-	-	370 - 1000	10/10	4	20/60	8	30

Installation Instructions Fixpoint Herkules



Direct Mount



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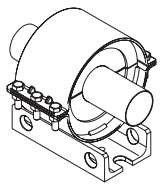

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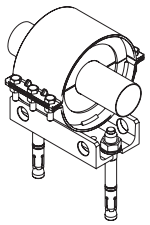

3

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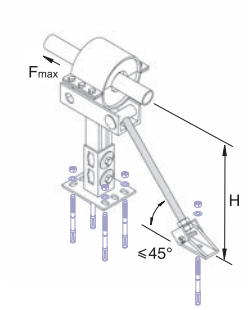
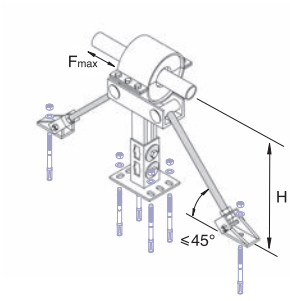
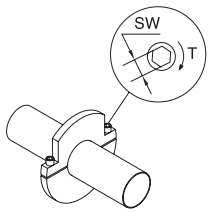
Installation Instructions Fixpoint Herkules





Mount with shore for fix points up to 2”



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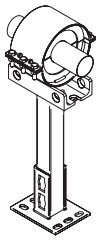

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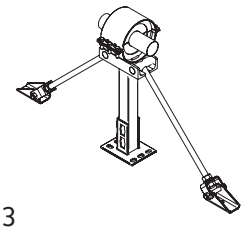

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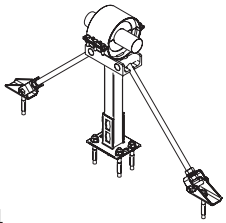

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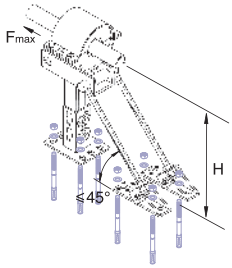
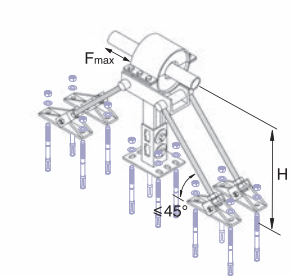
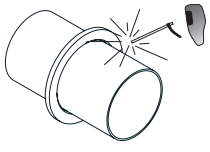




Mount with shore for fix points 2 1/2” to 5”



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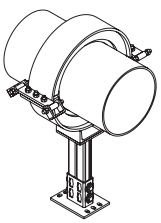

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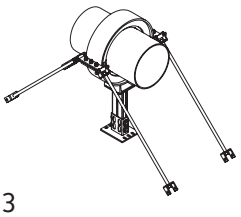

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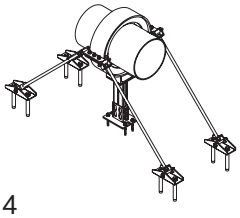


4

Mount with shore for fix points 6”, 8” and 10”

⚠ Weld 5x50 mm according DIN1912T5

⚠ Always use 4 diagonal braces DIN975-M16:8.8

Fire Rating Approved Products

M8/M10

STANDARD-N

M8/M10

STANDARD-R

2102/921/20 TESTED iBMB MPA TU BRAUNSCHWEIG

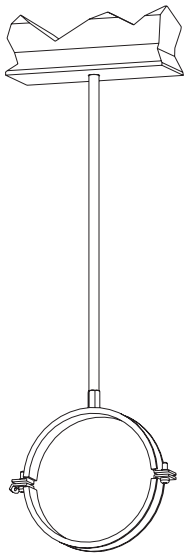
M8/M10

STANDARD-P | PLASTIC

M8 | M8/M10

STANDARD-R-SS

Installation



2102/921/20 TESTED iBMB MPA TU BRAUNSCHWEIG

M8/M10

PERFECT-R

M8/M10

PERFECT-N

M8/M10 | M10/M12 | M12/M16

SOLID-N

M8/M10 | M10/M12 | M12/M16

SOLID-R

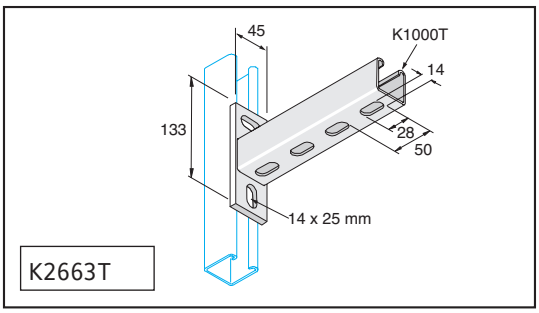
M8/M10 | M10/M12 | M12/M16

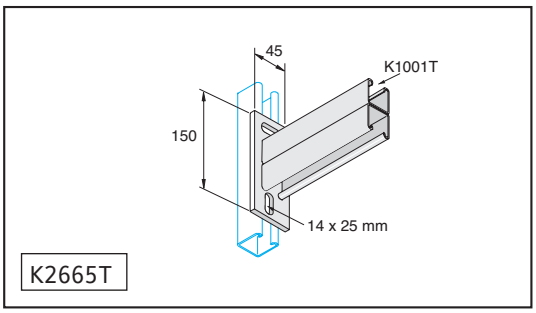
SOLID-S | SILICON

2102/921/20 TESTED iBMB MPA TU BRAUNSCHWEIG

Johnson Controls reserves the right to change the content without notice

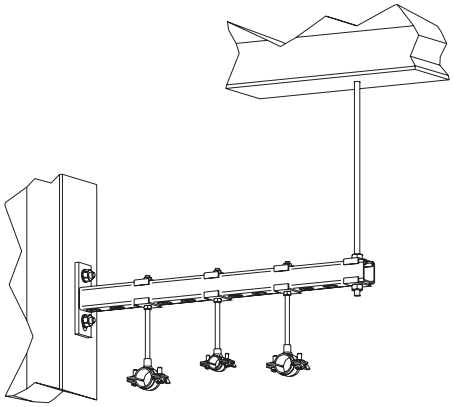
Fire Rating Approved Products

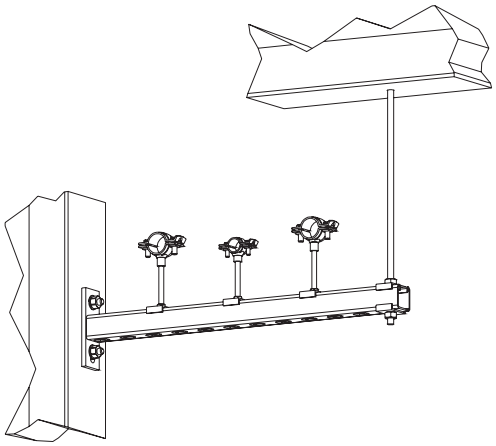


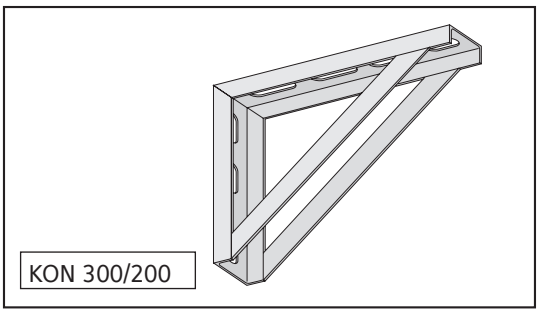


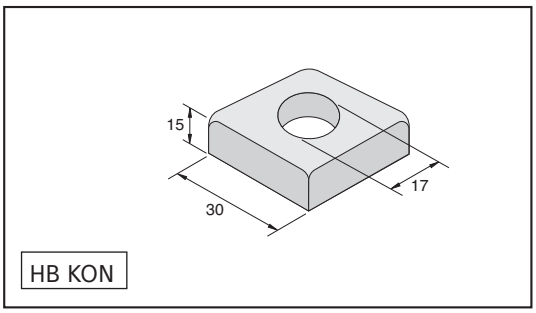
2102/905/20 TESTED iBMB MPA TU BRAUNSCHWEIG

Installation



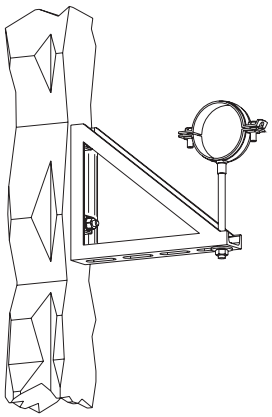


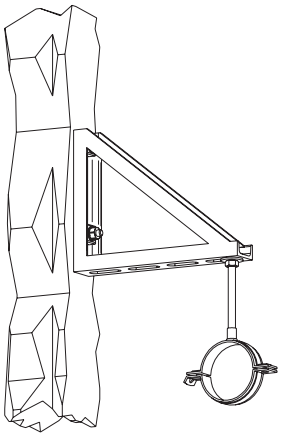




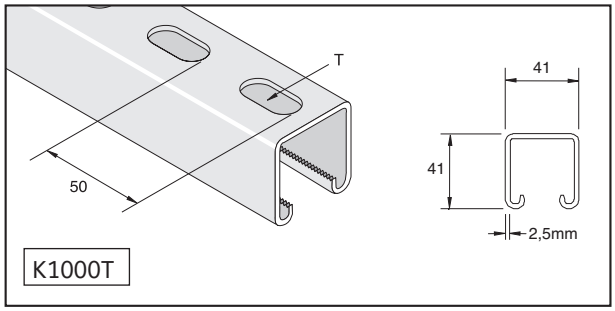
2102/905/20 TESTED iBMB MPA TU BRAUNSCHWEIG

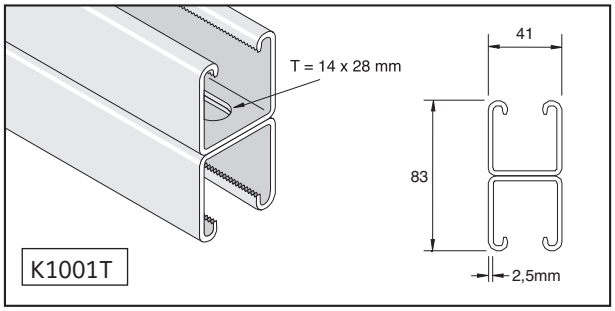
Installation

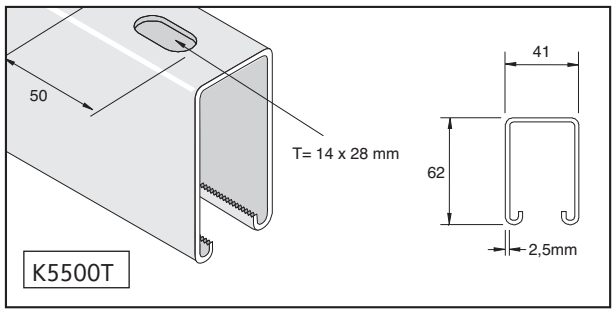


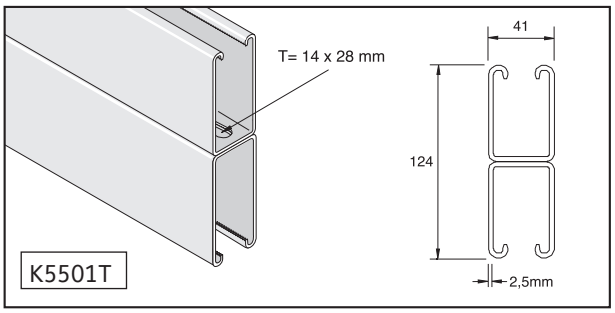


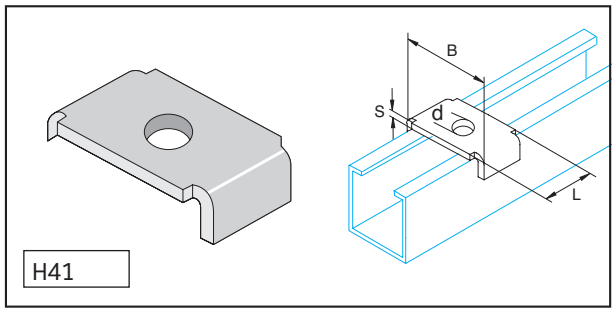
Fire Rating Approved Products

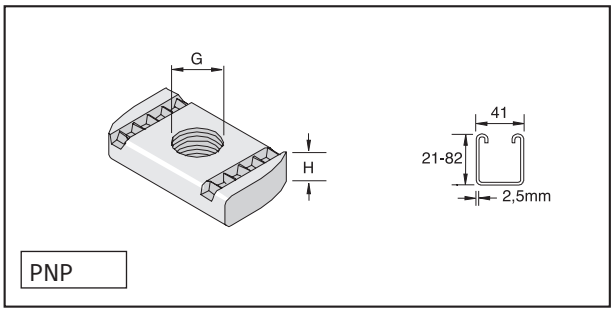


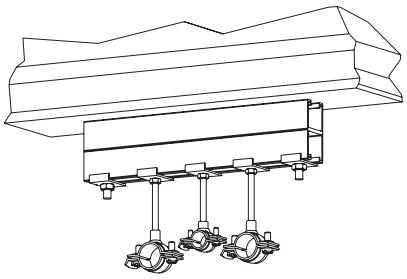


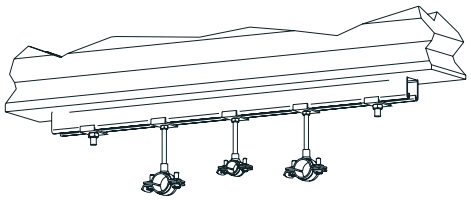




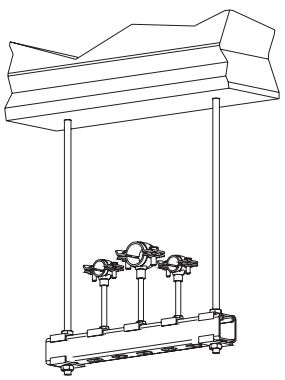


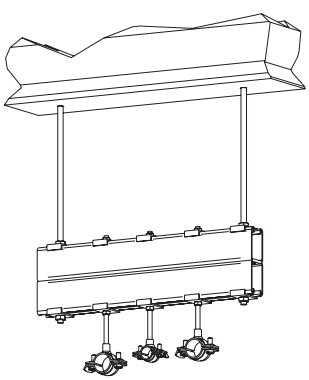


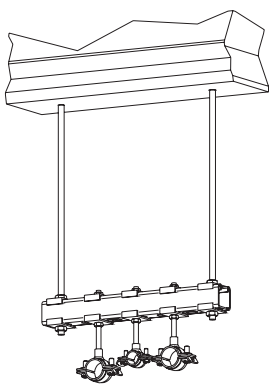


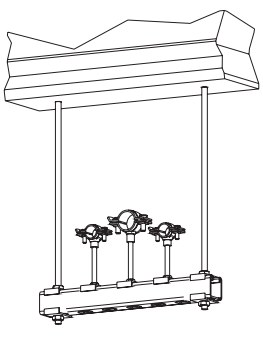


2102/922/20 TESTED iBMB MPA TU BRAUNSCHWEIG

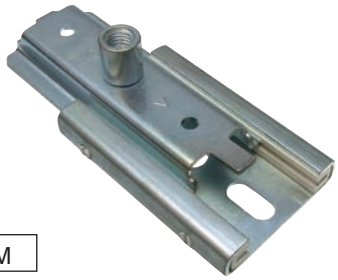








Fire Rating Approved Products



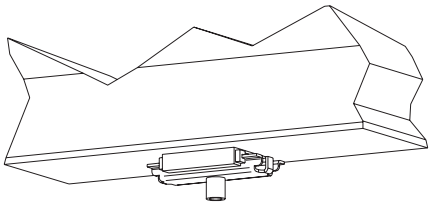
ES-1M

ES-1H

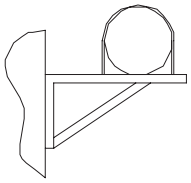
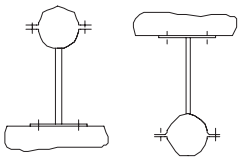
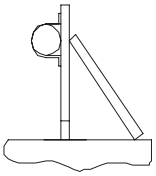
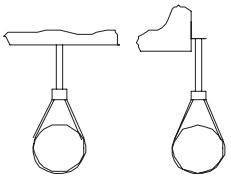
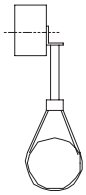
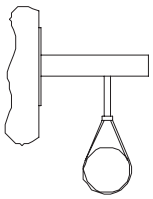
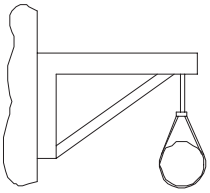
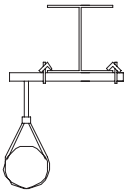
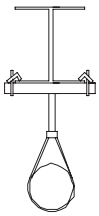
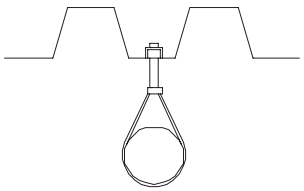
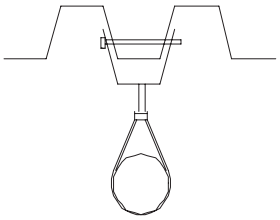
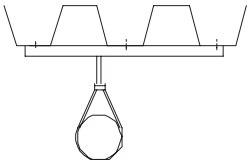
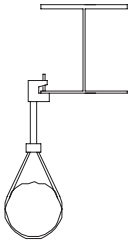
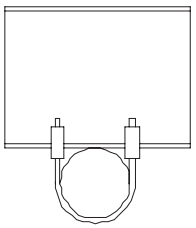
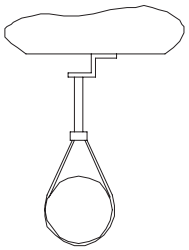
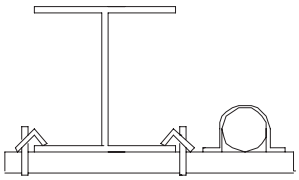
2102/922/20

TESTED iBMB MPA TU BRAUNSCHWEIG

Installation

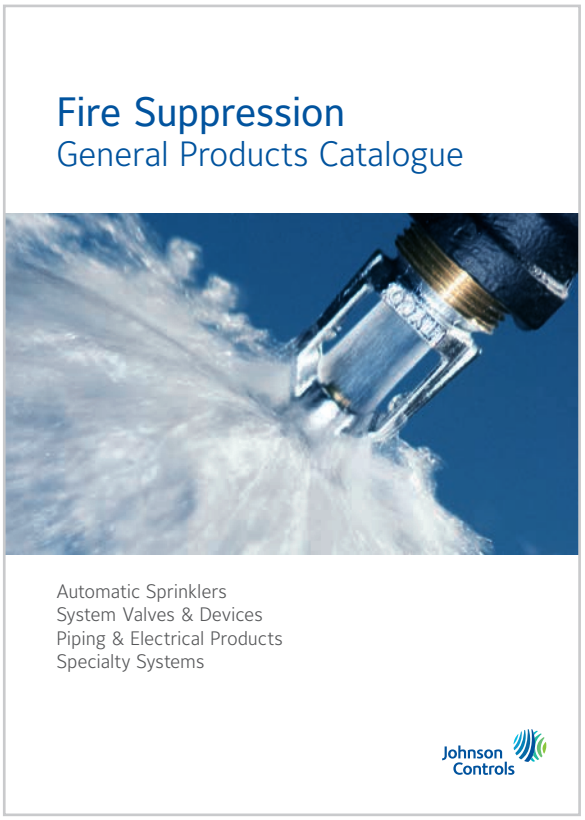


Standard Sprinkler Supports

 SECTION 1	 SECTION 2	 SECTION 3	 SECTION 4
 SECTION 5	 SECTION 6	 SECTION 7	 SECTION 8
 SECTION 9	 SECTION 10	 SECTION 11	 SECTION 12
 SECTION 13	 SECTION 14	 SECTION 15	 SECTION 16

We offer a wide range of standard sprinkler supports which can be pre-assembled in house. Our Application Engineering Department can assist you in finding the best Sprinkler Support Solution. Detailed technical Catalog / CD-Rom available on request.

Fire Protection Catalogue



Mechanical Catalogue


UNISTRUT
UNISTRUT
WOPF
8.8
JH
WOPF
8.8
JH

Metal framing system

1 Medium & Heavy Duty Framing System

Kwikstrut Channels 41mm Galvanised

Page 31

Kwikstrut Q Fittings 41mm Galvanised

Page 42

Kwikstrut Fittings 41mm Galvanised

Page 55

Kwikstrut Channels 41mm Hot Dip Galvanised

Page 60

Kwikstrut Q Fittings 41mm Hot Dip Galvanised

Page 67

Kwikstrut Fittings 41mm Hot Dip Galvanised

Page 80

Kwikstrut Channels 41mm Stainless Steel

Page 92

Kwikstrut Q Fittings 41mm Stainless Steel

Page 98

Kwikstrut Fittings 41mm Stainless Steel

Page 106

2 Cantilever Arms & Angle Brackets

Galvanised

Page 115

Hot Dip Galvanised

Page 119

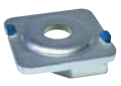
Stainless Steel

Page 127

3 Light Duty Framing System

Light Duty UNI Channels Galvanised

Page 129



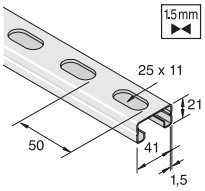
Light Duty UNI Fittings Galvanised

Page 131

K4000T10

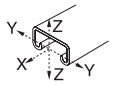
Kwikstrut single channel K4000T10

Material : Steel S280GD + Z275 - EN 10346



Art.Nr.	L mm		KG 1 pcs.
K4011322	2000	50	2.32
K4011323	3000	50	3.48
K4011326	6000	50	6.96

L(mm)	F, σ=175 N/mm²		F, σ=175 N/mm²		δ =1/200L	δ =1/360L	F(kN)
	Fmax(kN)	δmax(mm)	Fmax(kN)	δmax(mm)	F (kN)	F (kN)	
250	1.957	0.41	3.914	0.51	-	-	-
500	0.976	1.66	1.952	2.07	-	1.305	-
750	0.652	3.73	1.305	4.66	1.040	0.579	-
1000	0.486	6.63	0.971	8.29	0.589	0.324	-
1250	0.387	10.37	0.775	12.96	0.373	0.206	-
1500	0.324	14.94	0.647	18.67	0.255	-	-
1750	0.280	20.33	0.559	25.41	-	-	-
2000	0.240	26.55	0.481	33.19	-	-	-

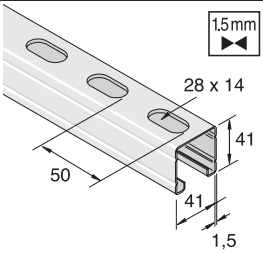


A = 1.30 cm²
/m = 1.16 kg/m
I y-y = 0.75 cm⁴
Z y-y = 0.70 cm³
r y-y = 0.76 cm
I z-z = 3.64 cm⁴
Z z-z = 1.76 cm³
r z-z = 1.67 cm

K2000T

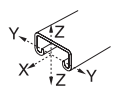
Kwikstrut single channel K2000T

Material : Steel S280GD + Z275 - EN 10346



Art.Nr.	L mm		KG 1 pcs.
K2011223	3000	50	4.83
K2011226	6000	50	9.74

L(mm)	F, σ=160 N/mm²		F, σ=160 N/mm²		δ=1/200L	δ=1/360L	F(kN)
	Fmax(kN)	δmax(mm)	Fmax(kN)	δmax(mm)	F (kN)	F (kN)	
250	5.221	0.19	10.441	0.24	-	-	11.350
500	2.615	0.77	5.230	0.96	-	-	11.183
750	1.737	1.73	3.474	2.16	-	-	10.654
1000	1.298	3.07	2.597	3.84	-	1.165	9.310
1250	1.033	4.77	2.066	5.96	-	0.748	7.799
1500	0.865	6.94	1.730	8.68	-	0.51	6.543
1750	0.735	9.42	1.470	11.78	0.68	0.371	5.552
2000	0.640	12.31	1.280	15.39	0.515	0.277	4.787
2250	0.565	15.62	1.130	19.53	0.4	0.213	4.179
2500	0.503	19.24	1.006	24.05	0.316	0.166	3.698



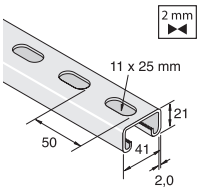
A = 1.92 cm²
/m = 1.61 kg/m
I y-y = 4.24 cm⁴
Z y-y = 2.04 cm³
r y-y = 1.48 cm
I z-z = 6.10 cm⁴
Z z-z = 2.95 cm³
r z-z = 1.78 cm

*k.L/r =>180 < 250

K3100T10

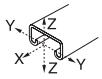
Kwikstrut single channel K3100T10

Material : Steel S280GD + Z275 - EN 10346



Art.Nr.	L mm		KG 1 pcs.
K3111322	2000	50	2.88
K3111323	3000	50	4.32
K3111326	6000	50	8.64

L(mm)	F δ σ=175 N/mm² Fmax(kN)	fmax(mm)	F δ σ=175 N/mm² Fmax(kN)	fmax(mm)	δ =1/200L F (kN)	δ =1/360L F (kN)
250	2,188	0,37	4,375	0,463	-	-
500	1,092	1,48	2,185	1,850	-	1,710
750	0,725	3,33	1,450	4,160	1,720	0,920
1000	0,540	5,90	1,080	7,400	0,712	0,384
1250	0,428	9,20	0,856	11,500	0,355	0,190
1500	0,353	13,30	0,705	16,500	0,205	0,115
1750	0,301	18,20	0,602	22,660	0,124	-
2000	0,260	23,84	0,520	29,500	-	-

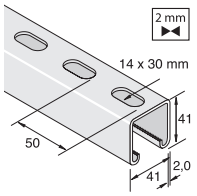


A = 1.74 cm²
Kg/m = 1.47 km/m²
I y-y = 0,96 cm⁴
Z y-y = 0,88 cm³
r y-y = 0,74 cm
I z-z = 4,63 cm⁴
Z z-z = 2,24 cm³
r z-z = 1,63 cm

K1100T

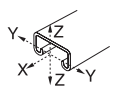
Kwikstrut single channel K1100T

Material : Steel SS280GD + Z275 - EN 10346



Art.Nr.	L mm		KG 1 pcs.
K1111222	2000	50	4.36
K1111223	3000	50	6.54
K1111226	6000	50	1256

L(mm)	F δ σ=175 N/mm² Fmax(kN)	δmax(mm)	F δ σ=175 N/mm² Fmax(kN)	δmax(mm)	δ =1/200L F (kN)	δ =1/360L F (kN)
250	6.605	0.19	13.210	0.24	-	-
500	3.302	0.77	6.604	0.96	-	-
750	2.202	1.73	4.404	2.17	-	-
1000	1.651	3.07	3.302	3.86	-	1.492
1250	1.321	4.80	2.642	6.10	-	0.955
1500	1.101	6.92	2.202	8.80	-	0.663
1750	0.944	9.41	1.888	12.00	0.877	0.487
2000	0.826	12.29	1.652	15.73	0.672	0.373
2250	0.734	15.56	1.468	20.00	0.531	0.295
2500	0.660	19.21	1.320	24.90	0.430	0.239



A = 2.51 cm²
⚖/m = 2.18 kg/m
I y-y = 5.33 cm⁴
Z y-y = 2.58 cm³
r y-y = 1.42 cm
I z-z = 9.17 cm⁴
Z z-z = 4.44 cm³
r z-z = 1.74 cm

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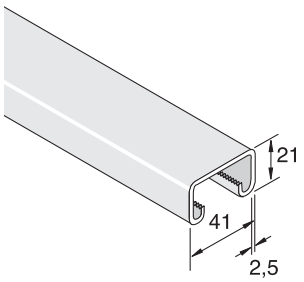
K3300

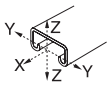
Kwikstrut single channel K3300

Material : Steel S280GD + Z275 - EN 10346



Art.Nr.	L mm		KG 1 pcs.
K3311123	3000	50	5.36
K3311126	6000	50	10.72

L(mm)	F, σ=175 N/mm², δ — Fmax(kN)	δ max(mm)	F, σ=175 N/mm², δ — Fmax(kN)	δ max(mm)	δ =1/200L F (kN)	δ =1/360L F (kN)	F (kN)
250	2.712	0.36	5.425	0.45	-	-	10.222
500	1.354	1.45	2.708	1.81	-	2.080	9.761
750	0.903	3.26	1.805	4.07	1.658	0.922	8.427
1000	0.677	5.79	1.354	7.24	0.932	0.520	6.769
1250	0.540	9.06	1.079	11.32	0.598	0.324	5.376
1500	0.451	13.04	0.903	16.30	0.412	0.226	4.287*
1750	0.387	17.75	0.775	22.19	0.304	-	3.463*
2000	0.338	23.19	0.677	28.99	0.226	-	-



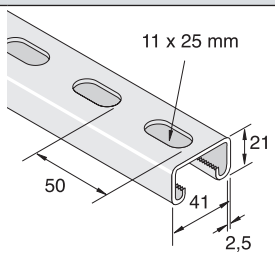
A = 2.32 cm²
⚖/m = 1.79 kg/m
I y-y = 1.19 cm⁴
Z y-y = 0.97 cm³
r y-y = 0.71 cm
I z-z = 5.34 cm⁴
Z z-z = 2.59 cm³
r z-z = 1.51 cm

*k.L/r =>180 < 250

K3300T10

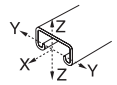
Kwikstrut single channel K3300T10

Material : Steel S280GD + Z275 - EN 10346



Art.Nr.	L mm		KG 1 pcs.
K3311322	2000	50	3.14
K3311323	3000	50	4.71
K3311326	6000	50	9.42

L(mm)	F δ σ=175 N/mm² Fmax(kN)	δ max(mm)	F δ σ=175 N/mm² Fmax(kN)	δ max(mm)	δ=1/200L F (kN)	δ=1/360L F (kN)	F(kN)
250	2.492	0.40	4.983	0.50	-	-	-
500	1.246	1.61	2.492	2.01	-	1.707	-
750	0.829	3.63	1.658	4.54	1.364	0.755	-
1000	0.623	6.46	1.246	8.07	0.765	0.422	-
1250	0.495	10.09	0.991	12.61	0.491	0.265	-
1500	0.412	14.54	0.824	18.17	0.334	-	-
1750	0.353	19.78	0.706	24.73	0.245	-	-
2000	0.309	25.84	0.618	32.30	-	-	-

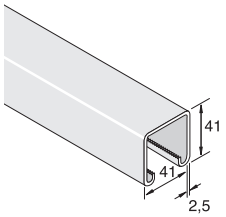


A = 1.97 cm²
/m = 1.57 kg/m
I y-y = 0.98 cm⁴
Z y-y = 0.89 cm³
r y-y = 0.70 cm
I z-z = 5.29 cm⁴
Z z-z = 2.56 cm³
r z-z = 1.63 cm

K1000

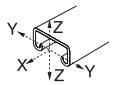
Kwikstrut single channel K1000

Material : Steel S280GD + Z275 - EN 10346



Art.Nr.	L mm		KG 1 pcs.
K1011123	3000	50	7.90
K1011126	6000	50	15.75

L(mm)	F δ σ=175 N/mm² Fmax(kN)	δ max(mm)	F δ σ=175 N/mm² Fmax(kN)	δ max(mm)	δ=1/200L F (kN)	δ=1/360L F (kN)	F(kN)
250	8.677	0.18	17.354	0.23	-	-	16.608
500	4.336	0.76	8.672	0.95	-	-	16.187
750	2.889	1.72	5.778	2.15	-	5.602	15.245
1000	2.168	3.06	4.336	3.82	-	3.149	13.685
1250	1.731	4.78	3.463	5.97	-	2.011	12.086
1500	1.442	6.88	2.884	8.60	2.521	1.393	10.722
1750	1.236	9.36	2.472	11.70	1.844	1.020	9.575
2000	1.084	12.23	2.168	15.29	1.413	0.785	8.623
2250	0.961	15.48	1.923	19.35	1.118	0.618	7.819
2500	0.863	19.11	1.727	23.89	0.903	0.500	7.112



A = 3.35 cm²
/m = 2.63 kg/m
I y-y = 7.21 cm⁴
Z y-y = 3.10 cm³
r y-y = 1.46 cm
I z-z = 9.23 cm⁴
Z z-z = 4.47 cm³
r z-z = 1.66 cm

*k.L/r =>180 < 250

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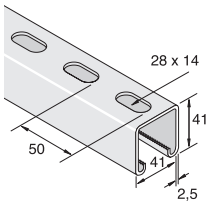
K1000T

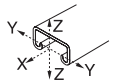
Kwikstrut single channel K1000T

Material : Steel S280GD + Z275 - EN 10346



Art.Nr.	L mm		KG 1 pcs.
K1011222	2000	50	5.29
K1011223	3000	50	7.94
K1011226	6000	50	15.88

L(mm)	F δ σ=175 N/mm² Fmax(kN)	fmax(mm)	F δ σ=175 N/mm² Fmax(kN)	fmax(mm)	δ =1/200L F (kN)	δ =1/360L F (kN)	F(kN)
250	8.034	0.22	16.069	0.27	-	-	16.283
500	4.017	0.84	8.034	1.05	-	-	16.039
750	2.678	1.88	5.356	2.35	-	4.738	15.274
1000	2.006	3.34	4.012	4.18	-	2.659	13.626
1250	1.604	5.23	3.208	6.54	3.071	1.707	11.880
1500	1.339	7.53	2.678	9.41	2.129	1.177	10.418
1750	1.148	10.25	2.296	12.81	1.560	0.863	9.231
2000	1.001	13.38	2.001	16.73	1.197	0.657	8.270
2250	0.893	16.94	1.785	21.18	0.942	0.520	7.465
2500	0.800	20.92	1.599	26.15	0.765	0.422	6.779



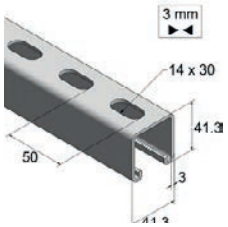
A = 3.00 cm²
/m = 2.73 kg/m
I y-y = 6.10 cm⁴
Z y-y = 2.87 cm³
r y-y = 1.42 cm
I z-z = 9.17 cm⁴
Z z-z = 4.44 cm³
r z-z = 1.74 cm

*k.L/r =>180 < 250

K1300T

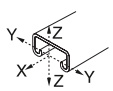
Kwikstrut single channel K1300T

Material : Steel S280GD + Z275 - EN 10346



Art.Nr.	L mm		KG 1 pcs.
K1311222	2000	50	6.22
K1311223	3000	50	9.47

L(mm)	F δ σ=175 N/mm² Fmax(kN)	fmax(mm)	F δ σ=175 N/mm² Fmax(kN)	fmax(mm)	δ =1/200L F (kN)	δ =1/360L F (kN)
250	9.930	0.21	19.877	0.27	-	-
500	4.963	0.86	9.928	1.07	-	-
750	3.303	1.93	6.606	2.41	-	-
1000	2.470	3.43	4.942	4.28	-	3.192
1250	1.970	5.36	3.941	6.69	3.662	2.025
1500	1.635	7.73	3.271	9.63	2.528	1.397
1750	1.395	10.53	2.79	13.1	1.838	1.001
2000	1.213	13.76	2.426	17.11	1.384	0.748
2250	1.072	17.45	2.142	21.64	1.08	0.571
2500	0.958	21.56	1.917	26.76	0.855	0.442



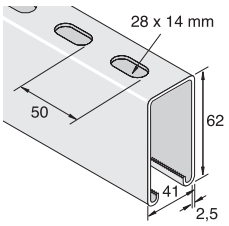
Weight: 3,11 kg/m
A: 3,66 cm²
Iy: 7,49 cm⁴
Iz: 10,97 cm⁴
Wy: 3,60 cm³
Wz: 5,31 cm³

Medium & Heavy Duty Framing System

K5500T

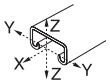
Kwikstrut single channel K5500T

Material : Steel S280GD + Z275 - EN 10346



Art.Nr.	L mm		KG 1 pcs.
K5511223	3000	30	10.47
K5511226	6000	20	20.94

L(mm)	F δ σ=167 N/mm² Fmax(kN)	δmax(mm)	F δ σ=167 N/mm² Fmax(kN)	δmax(mm)	δ=1/200L F (kN)	δ=1/360L F (kN)	F(kN)
250	-	-	-	-	-	-	20.277
500	-	-	-	-	-	-	20.081
750	4.964	1.20	9.928	1.50	-	-	18.443
1000	3.723	2.14	7.446	2.67	-	-	15.245
1250	2.977	3.34	5.955	4.18	-	4.944	12.557
1500	2.482	4.82	4.964	6.02	-	3.434	10.507
1750	2.124	6.55	4.248	8.19	-	2.521	8.966
2000	1.859	8.56	3.718	10.70	3.473	1.923	7.789
2250	1.653	10.84	3.306	13.55	2.747	1.521	6.867
2500	1.486	13.38	2.972	16.73	2.217	1.236	6.141

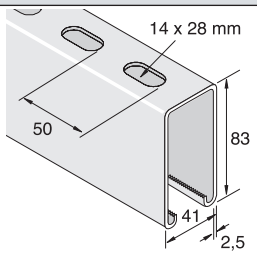


A = 4.03 cm²
m /m = 3.25 kg/m
I y-y = 17.67 cm⁴
Z y-y = 5.59 cm³
r y-y = 2.09 cm
I z-z = 13.07 cm⁴
Z z-z = 6.33 cm³
r z-z = 1.79 cm

K5000T

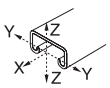
Kwikstrut single channel K5000T

Material : Steel S280GD + Z275 - EN 10346



Art.Nr.	L mm		KG 1 pcs.
K5011223	3000		12.17
K5011226	6000	20	24.33

L(mm)	F δ σ=132 N/mm² Fmax(kN)	δmax(mm)	F δ σ=132 N/mm² Fmax(kN)	δmax(mm)	δ=1/200L F (kN)	δ=1/360L F (kN)	F(kN)
250	-	-	-	-	-	-	19.620
500	-	-	-	-	-	-	19.355
750	6.298	0.71	12.596	0.89	-	-	16.422
1000	4.724	1.27	9.447	1.59	-	-	12.822
1250	3.777	1.98	7.554	2.48	-	-	10.124
1500	3.149	2.86	6.298	3.58	-	-	8.182
1750	2.698	3.89	5.396	4.86	-	-	6.769
2000	2.359	5.09	4.719	6.36	-	4.120	5.719
2250	2.099	6.44	4.199	8.05	-	3.257	4.934
2500	1.888	7.94	3.777	9.93	-	2.639	4.326



A = 5.06 cm²
m /m = 4.05 kg/m
I y-y = 37.76 cm⁴
Z y-y = 9.01 cm³
r y-y = 2.72 cm
I z-z = 16.95 cm⁴
Z z-z = 8.21 cm³
r z-z = 1.82 cm

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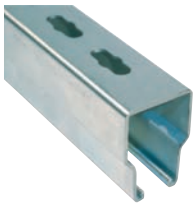
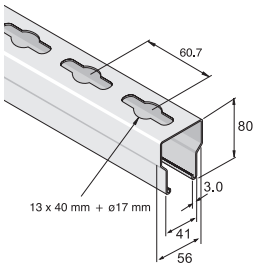
K8000T

Kwikstrut single channel K8000T

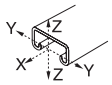
Material : Steel S280GD + Z275 - EN 10346





Art.Nr.	L mm		KG 1 pcs.
K8012526	6000	30	31.65

L(mm)	F, σ=175 N/mm², δ	δ=1/200L	δ=1/360L
	Fmax(kN)	δ max(mm)	F (kN)	F (kN)
250	-	-	-	-
500	29.160	0.44	-	-
750	19.424	0.98	-	-
1000	14.540	1.75	-	-
1250	11.610	2.73	-	-
1500	9.650	3.93	-	-
1750	8.250	5.35	-	7.481
2000	7.190	6.98	-	5.700
2250	6.370	8.84	-	4.471
2500	5.710	10.91	-	3.588

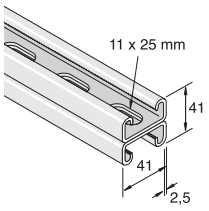


A = 6.36 cm²
/m = 5.28 kg/m
I y-y = 51.8 cm⁴
Z y-y = 11.4 cm³
r y-y = 2.85 cm
I z-z = 27.77 cm⁴
Z z-z = 9.92 cm³
r z-z = 2.09 cm

K3301T10

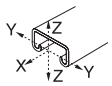
Kwikstrut Double Channel K3301T10

Material : Steel S280GD + Z275 - EN 10346



Art.Nr.	L mm		KG 1 pcs.
K3321323	3000	25	9.42
K3321326	6000	25	18.84

L(mm)	F, σ=175 N/mm², δ		F, σ=175 N/mm², δ		δ=1/200L	δ=1/360L	F(kN)
	Fmax(kN)	δ max(mm)	Fmax(kN)	δ max(mm)	F (kN)	F (kN)	
250	7.613	0.21	15.225	0.26	-	-	17.266
500	3.806	0.86	7.613	1.07	-	-	17.030
750	2.536	1.94	5.072	2.42	-	4.365	16.599
1000	1.903	3.44	3.806	4.30	-	2.453	15.667
1250	1.521	5.38	3.041	6.72	2.825	1.570	14.156
1500	1.265	7.74	2.531	9.68	1.962	1.089	12.478
1750	1.084	10.54	2.168	13.18	1.442	0.795	10.899
2000	0.952	13.77	1.903	17.21	1.099	0.608	9.496
2250	0.844	17.42	1.687	21.78	0.873	0.481	8.289*
2500	0.760	21.49	1.521	26.86	0.706	0.392	7.250*



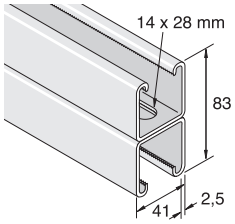
A = 3.94 cm²
/m = 3.14 kg/m
I y-y = 5.62 cm⁴
Z y-y = 2.72 cm³
r y-y = 1.19 cm
I z-z = 10.58 cm⁴
Z z-z = 5.12 cm³
r z-z = 1.63 cm

*k.L/r =>180 < 250

K1001T

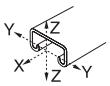
Kwikstrut Double Channel K1001T

Material : Steel S280GD + Z275 - EN 10346



Art.Nr.	L mm		KG 1 pcs.
K1021223	3000	25	15.91
K1021226	6000	25	31.82

L(mm)	F δ σ=175 N/mm² Fmax(kN)	δmax(mm)	F δ σ=175 N/mm² Fmax(kN)	δmax(mm)	δ=1/200L F (kN)	δ=1/360L F (kN)	F(kN)
250	-	-	-	-	-	-	27.458
500	-	-	-	-	-	-	27.311
750	8.182	0.97	16.363	1.21	-	-	27.027
1000	6.136	1.72	12.272	2.15	-	-	26.585
1250	4.910	2.69	9.820	3.36	-	-	25.830
1500	4.091	3.87	8.182	4.84	-	7.034	24.584
1750	3.057	5.27	7.014	6.59	-	5.170	22.906
2000	3.066	6.89	6.131	8.61	-	3.953	21.042
2250	2.727	8.72	5.454	10.90	-	3.120	19.198
2500	2.453	10.77	4.905	13.46	4.552	2.531	17.452



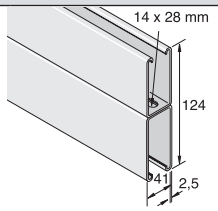
A = 6.00 cm²
/m = 4.92 kg/m
I y-y = 36.21 cm⁴
Z y-y = 8.77 cm³
r y-y = 2.45 cm
I z-z = 18.34 cm⁴
Z z-z = 8.88 cm³
r z-z = 1.74 cm

*k.L/r =>180 < 250

K5501T

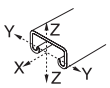
Kwikstrut double Channel K5501T

Material : Steel S280GD + Z275 - EN 10346



Art.Nr.	L mm		KG 1 pcs
K5521226	6000		39.04

L(mm)	F δ σ=167 N/mm² Fmax(kN)	δmax(mm)	F δ σ=167 N/mm² Fmax(kN)	δmax(mm)	δ=1/200L F (kN)	δ=1/360L F (kN)	F(kN)
750	-	-	-	-	-	-	34.257
1000	-	-	-	-	-	-	33.766
1250	-	-	-	-	-	-	32.971
1500	7.873	2.46	15.745	3.07	-	-	31.667
1750	6.749	3.34	13.499	4.18	-	-	29.822
2000	5.906	4.38	11.811	5.47	-	-	27.674
2250	5.248	5.54	10.497	6.92	-	9.476	25.457
2500	4.724	6.83	9.447	8.54	-	7.671	23.299
2750	4.292	8.27	8.584	10.34	-	6.337	21.288
3000	3.934	9.84	7.868	12.30	-	5.327	19.443



A = 8.06 cm²
/m = 6.51 kg/m
I y-y = 109.74 cm⁴
Z y-y = 17.70 cm³
r y-y = 3.69 cm
I z-z = 26.14 cm⁴
Z z-z = 12.66 cm³
r z-z = 1.80 cm

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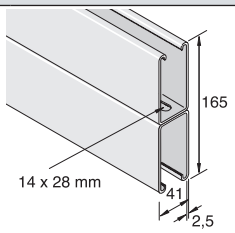
K5001T

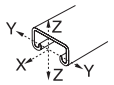
Kwikstrut double Channel K5001T

Material : Steel S280GD + Z275 - EN 10346



Art.Nr.	L mm		KG 1 pcs.
K5021226	6000		50.98

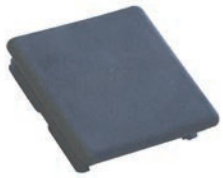
L(mm)	F δ σ=132 N/mm² Fmax(kN)	 δ max(mm)	F δ σ=132 N/mm² Fmax(kN)	 δ max(mm)	δ=1/200L F (kN)	δ=1/360L F (kN)	F(kN)
750	-	-	-	-	-	-	33.825
1000	-	-	-	-	-	-	33.432
1250	12.267	1.00	24.535	1.25	-	-	32.864
1500	10.222	1.44	20.444	1.80	-	-	32.010
1750	8.760	1.96	17.521	2.45	-	-	30.764
2000	7.667	2.56	15.333	3.20	-	-	29.165
2250	6.813	3.24	13.626	4.05	-	-	27.350
2500	6.131	4.00	12.263	5.00	-	-	25.467
2750	5.577	4.84	11.154	6.05	-	-	23.613
3000	5.111	5.77	10.222	7.21	-	-	21.847

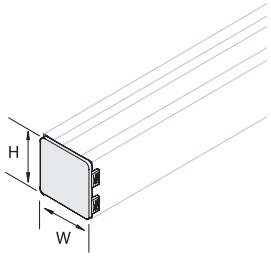


A = 10.12 cm²
/m = 8.11 kg/m
I y-y = 243.16 cm⁴
Z y-y = 29.44 cm³
r y-y = 4.90 cm
I z-z = 33.90 cm⁴
Z z-z = 16.42 cm³
r z-z = 1.83 cm

Endcaps for Kwikstrut Channel

Material : LDPE



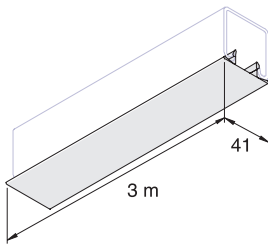


Endcap

Art.Nr.	Color	W mm	H mm	KG /100	
1392196	white	41	21	0.3	100
1392197	black	41	21	0.3	100
1392198	blue	41	21	0.3	100
1394196	white	41	41	0.5	100
1394197	black	41	41	0.5	100
1394198	blue	41	41	0.5	100
1396296	white	41	62	0.8	100
1396297	black	41	62	0.8	100
1396298	blue	41	62	0.8	100

Cover for Kwikstrut Channel

Material : Steel DD11 - EN 10111
PVC - white
PVC - black



Cover K1184

Art.Nr.	Material	KG 1 pcs.	
K1184-PB	pvc black	0.48	1
K1184-PW	pvc white	0.48	1

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Medium & Heavy Duty Framing System

Zinc Spray

Zinc Spray

Art.Nr.	ML ml	KG /100	
ZINC0400ML	400	55	1

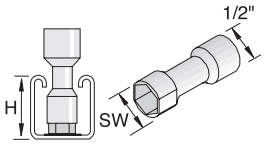
Zinc Paint

Zinc Paint

Art.Nr.	ML ml	KG /100	
ZINC0500ML	500	110	1

Channel socket

Material : Steel DD11 - EN 10111



Channel Socket

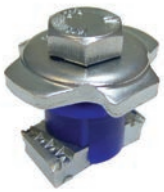
Art.Nr.	H mm	SW mm	KG /100	
17AF	41	M10	12.5	1
17AF/K3300	21	M10	12.5	1
19AF	41	M12	13.5	1

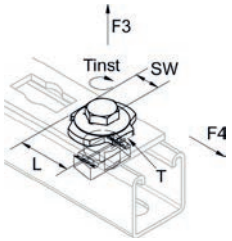
Medium & Heavy Duty Framing System

QFNH

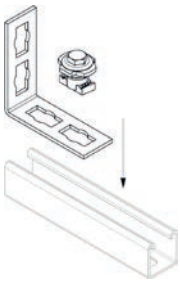
Kwikstrut Q Uni lock channel nut - QFNH

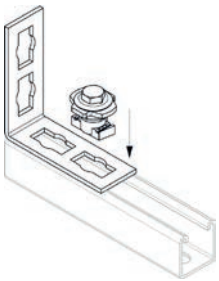
Material : Bolt DIN 933-8.8; Nut Steel S235JR - EN 10025; Washer Steel DD11 - EN 10111; Plastic part PP
Finish : Electro zinc plated - EN ISO 19598

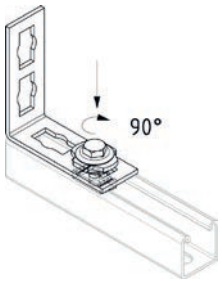


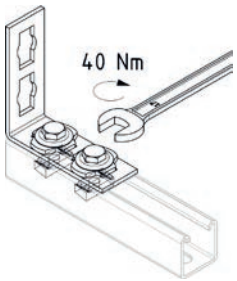


Art.Nr.	G	L mm	T mm	F3 kN	F4 kN	Tinst Nm	SW mm	KG /100	
1391016	M10	40	4	4	3	40	17	8.1	50





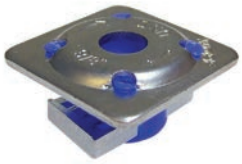


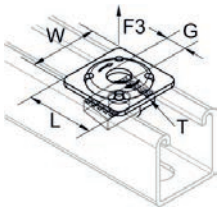


QRN

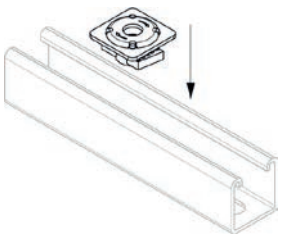
Kwikstrut Q channel nut with square washer - QRN

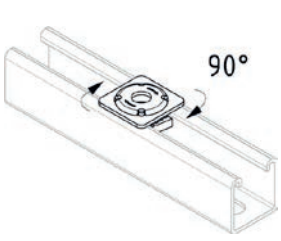
Material : Nut S460MC - EN 10149; Washer Steel DX51D-Z275 - EN 10327; Plastic part PP
Finish : Electro zinc plated - EN ISO 19598

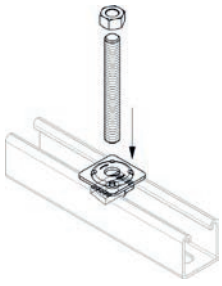


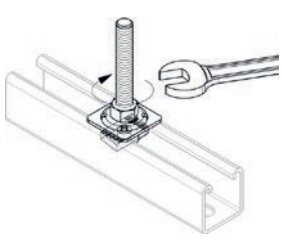


Art.Nr.	G	L mm	W mm	T mm	F3 kN	Tinst Nm	KG /100	
1390621	M6	40	40	2.5	5	5	6.4	50
1390821	M8	40	40	2.5	5	10	6	50
1391021	M10	40	40	2.5	5	15	5.9	50
1391221	M12	40	40	2.5	5	30	5.3	50









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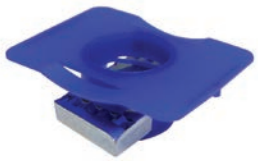
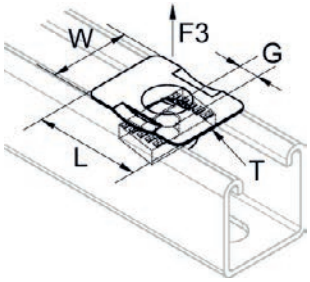
QCN

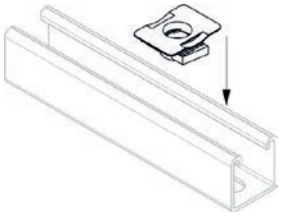
Kwikstrut Q channel nut with plastic locater - QCN

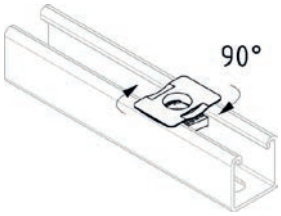
Material : Nut S460MC - EN 10149; ; Plastic part PP
Finish : Electro zinc plated - EN ISO 19598

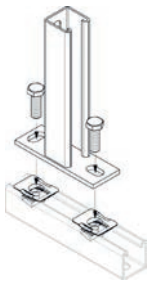


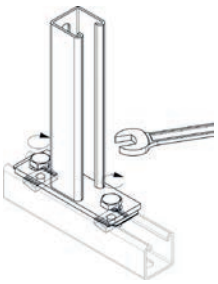


Art.Nr.	G	L mm	W mm	T mm	F3 kN	KG /100	
1390631	M6	45	34	0.8	5	3.0	50
1390831	M8	45	34	0.8	5	2.9	50
1391031	M10	45	34	0.8	5	2.8	50
1391231	M12	45	34	0.8	5	2.6	50





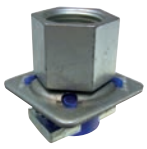


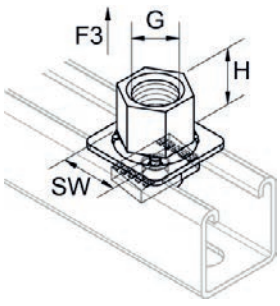


QEN

Kwikstrut Q channel nut M16 or 1/2" - QEN

Material : Nut S460MC - EN 10149; Washer Steel DX51D-Z275 - EN 10327; Plastic part PP
Finish : Electro zinc plated - EN ISO 19598



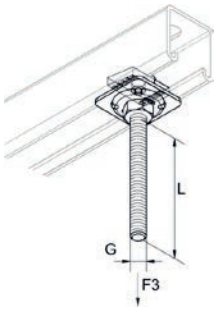


Art.Nr.	G	H mm	F3 kN	SW mm	KG /100	
1391621	M16	26	5	22	11.2	50
1392226	1/2	26	5	27	13.0	50

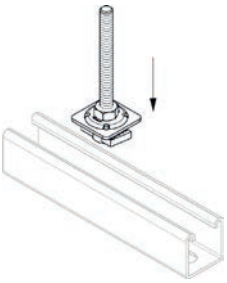
QTB

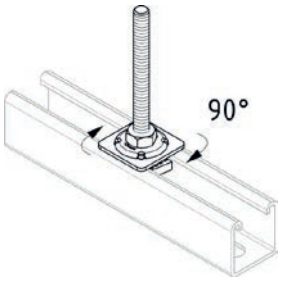
Kwikstrut Q stud nuts - QTB

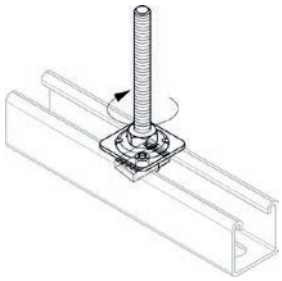
Material : Nut S460MC - EN 10149; Washer Steel DX51D-Z275 - EN 10327; Plastic part PP
Finish : Electro zinc plated - EN ISO 19598

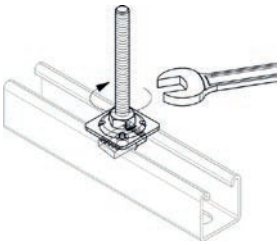


Art.Nr.	G	L mm	F3 kN	KG /100	
1390251	M8	25	5	7.4	100
1390501	M8	50	5	8.2	100
1391001	M8	100	5	9.7	100
1390253	M10	25	5	8.6	100
1390503	M10	50	5	9.8	100
1391003	M10	100	5	12.2	100
1390505	M12	50	5	11.4	100









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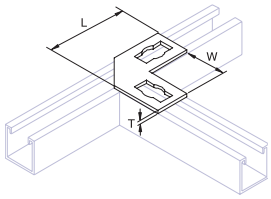
Kwikstrut Q flat angle fitting 90° - QFA

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - EN ISO 19598

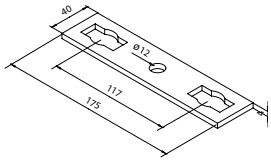


QFA

Art.Nr.	L mm	W mm	T mm	Nut qty	KG /100	
1390125	92	52	4	2	12.5	25

Kwikstrut Q I-fitting - QFI

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - EN ISO 19598

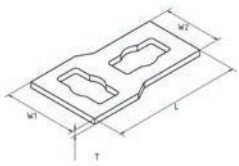


QFI

Art.Nr.	L mm	W mm	T mm	Nut qty	KG /100	
1390147	175	40	4	2	16.7	100

Kwikstrut Q T-fitting - QFT

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - EN ISO 19598



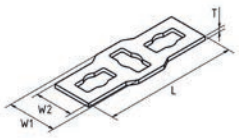
QFT

Art.Nr.	L mm	W mm	W2 mm	T mm	Nut qty	KG /100	
1395910	91,5	51	41	4	2	9.2	50

Kwikstrut Q cross fitting - QFX

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - EN ISO 19598

QFX

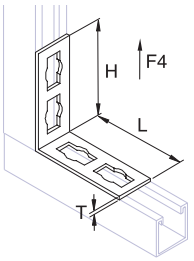


Art.Nr.	L mm	W mm	T mm	Nut qty	KG /100	
1395920	142	52	4	3	13.7	50

Kwikstrut Q flat angle fitting 90° - QFFA

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - EN ISO 19598

QFFA



Art.Nr.	L mm	H mm	T mm	F4 kN	Nut qty	KG /100	
1399025	65	65	4	3	2	10.7	25
1399035	65	110	4	3	3	14.5	25
1399045	110	110	4	5	4	18.3	25

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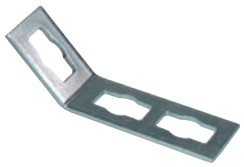
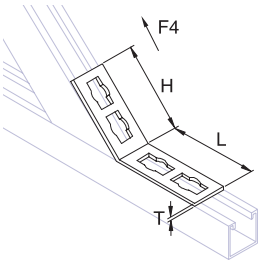
Kwikstrut Q flat angle fitting 135° - QFFA 135

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - EN ISO 19598



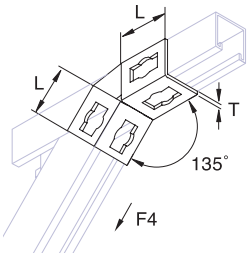


QFFA 135

Art.Nr.	L mm	H mm	T mm	F4 kN	Nut qty	KG /100	
1393535	65	110	4	3	3	14.5	25
1393545	110	110	4	5	4	18.3	25

Kwikstrut Q angle fitting 135° - QFA 135

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - EN ISO 19598

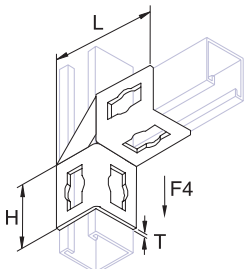


QFA 135

Art.Nr.	L mm	T mm	F4 kN	Nut qty	KG /100	
1393555	56	4	3	2	23.9	10
1393565	103	4	5	4	40.4	10

Kwikstrut Q angle fitting 90° - QFAZ

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - EN ISO 19598

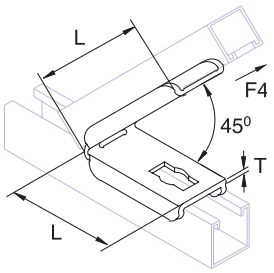


QFAZ

Art.Nr.	L mm	H mm	T mm	F4 kN	Nut qty	KG /100	
1399055	103	58	4	3	2	25.2	10
1399065	150	106	4	5	4	41.7	10

Kwikstrut Q angle fitting 45° - QFFA45

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - EN ISO 19598



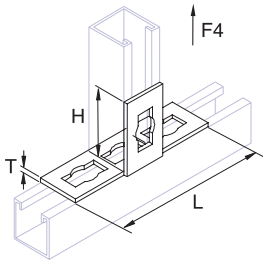
QFFA45

Art.Nr.	L mm	T mm	F4 kN	Nut qty	KG /100	
1394525	104	5	3	2	46.7	25

Medium & Heavy Duty Framing System

Kwikstrut Q angle - T fitting - QFFT

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - EN ISO 19598

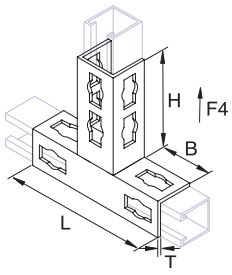


QFFT

Art.Nr.	L mm	H mm	T mm	F4 kN	Nut qty	KG /100	
1390115	150	66	4	3	3	18.9	25

Kwikstrut Q cross fitting - QFTT

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - EN ISO 19598

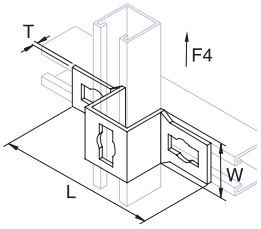


QFTT

Art.Nr.	L mm	H mm	T mm	F4 kN	Nut qty	KG /100	
1394118	175	108	4	5	4	66.9	25

Kwikstrut Q U shaped fitting - QFU

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - EN ISO 19598

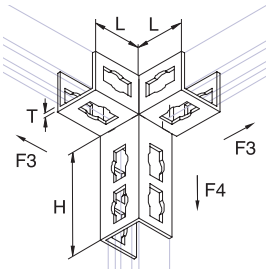


QFU

Art.Nr.	L mm	W mm	T mm	F4 kN	Nut qty	KG /100	
1394138	162	52	4	3	3	27.8	25

Kwikstrut Q 3 way cross fitting - QFCL-QFCR

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - EN ISO 19598

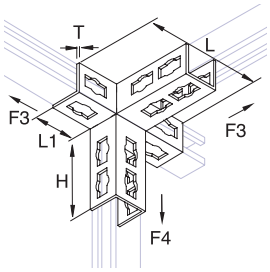


QFCL-QFCR

Art.Nr.	L mm	H mm	T mm	F3 kN	F4 kN	Nut qty	KG /100	
1394111	62	107	4	3	5	4	67.8	10
1394112	62	107	4	3	5	4	67.8	10

Kwikstrut Q 4 way cross fitting - QFCD

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - EN ISO 19598



QFCD

Art.Nr.	L mm	H mm	T mm	F3 kN	F4 kN	Nut qty	KG /100	
1394178	175	108	4	3	5	6	97.4	10

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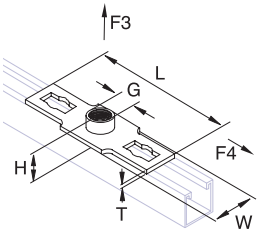
Kwikstrut Q rod connection fitting - QFMP

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - EN ISO 19598

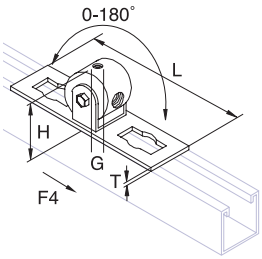


QFMP

Art.Nr.	G	L mm	W mm	H mm	T mm	Nut qty	KG /100	
1390825	M8	176	56	13	5	2	27.4	25
1391025	M10	176	56	13	5	2	26.8	25
1391225	M12	176	56	15	5	2	27.4	25
1391625	M16	176	56	18	5	2	30.6	25
1392225	1/2"	176	56	21	5	2	29.5	25
1392825	3/4"	176	56	23	5	2	29.9	25

Kwikstrut Q adjustable rod connection fitting - QFFC

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - EN ISO 19598

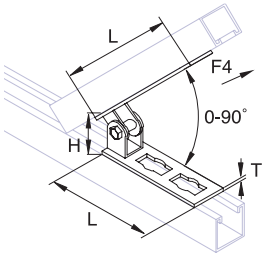


QFFC

Art.Nr.	G	L mm	H mm	T mm	Nut qty	KG /100	
1390135	M8-10-12	150	53	5	2	52.7	10

Kwikstrut Q adjustable angle fitting - QFFS

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - EN ISO 19598

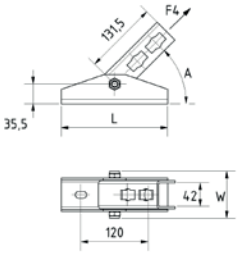


QFFS

Art.Nr.	L mm	H mm	T mm	F4 kN	Nut qty	KG /100	
1390185	122	55	5	5	4	38,0	10

Kwikstrut Q adjustable angle fitting - QBFS

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - EN ISO 19598



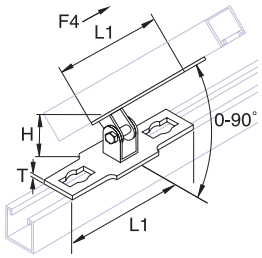
QBFS

Art.Nr.	L mm	W mm	T mm	F4 kN	Nut qty	KG /100	
1394171	190	83,5	5	5	2	130,1	10

Medium & Heavy Duty Framing System

Kwikstrut Q adjustable angle - T fitting - QFFSS

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - EN ISO 19598

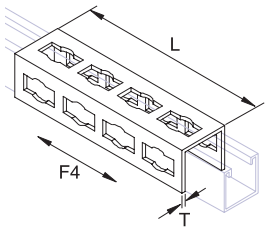


QFFSS

Art.Nr.	L mm	L1 mm	H mm	T mm	F4 kN	Nut qty	KG /100	
1390195	122	176	55	5	5	4	51	10

Kwikstrut Q channel coupler - QFDC

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - EN ISO 19598

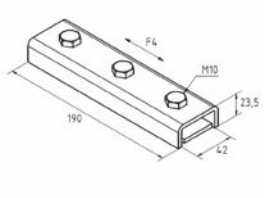


QFDC

Art.Nr.	L mm	T mm	F4 kN	Nut qty	KG /100	
1394148	193	4	5	4	52.6	10

Kwikstrut Q channel coupler assembly - QFDD

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - EN ISO 19598



QFDD

Art.Nr.	L mm	T mm	F4 kN	Tinst Nm	KG /100	
1391050	190	4	1.7	30	73.5	5

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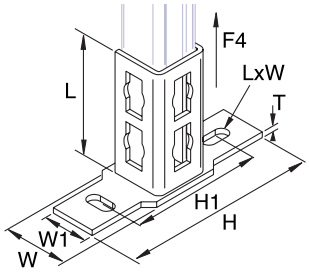
QBS

Kwikstrut Q channel base fitting QBS

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated -EN ISO 19598

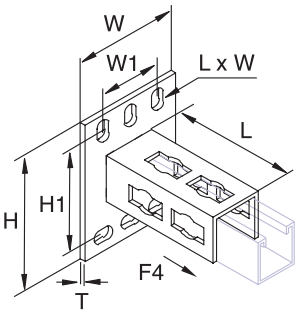


Art.Nr.	L mm	W mm	W1 mm	H mm	H1 mm	T mm	LxW mm	F4 kN	Nut qty	KG /100	
1394159	108	56	40	175	118	5	13x25	5	2	58.2	10

QB41

Kwikstrut Q channel base fitting QB41

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - EN ISO 19598

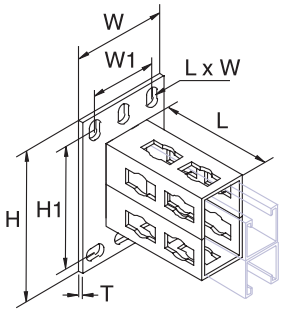


Art.Nr.	L mm	W mm	W1 mm	H mm	H1 mm	T mm	LxW mm	F4 kN	Nut qty	KG /100	
1394158	108	100	62	130	100	5	13x25	5	2	75.2	10

QB82

Kwikstrut Q channel base fitting QB82

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - EN ISO 19598

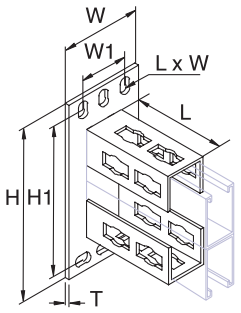


Art.Nr.	L mm	W mm	W1 mm	H mm	H1 mm	T mm	LxW mm	Nut qty	KG /100	
1394458	108	130	62	170	140	8	13x20	4	192.0	5

QB124

Kwikstrut Q channel base fittings QB124

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - EN ISO 19598



Art.Nr.	L mm	W mm	W1 mm	H mm	H1 mm	T mm	LxW mm	Nut qty	KG /100	
1396658	108	130	62	210	180	8	13x20	4	224.1	5

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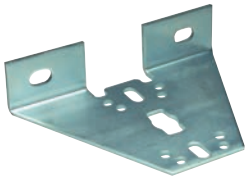
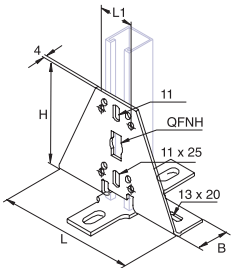
Universal brace fitting for Kwikstrut channels - QB

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - EN ISO 19598



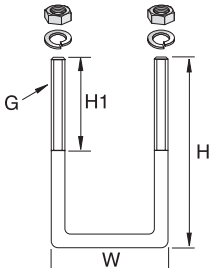


QB

Art.Nr.	L mm	L1 mm	H mm	KG /100	
1391391	197	50	147	72.4	10

U bolt for universal brace - QUB

Material : Steel St37K - EN 10277, Classe 4.8
Finish : Electro zinc plated - EN ISO 19598



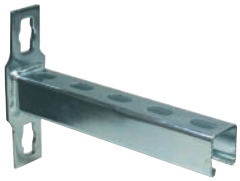
QUB

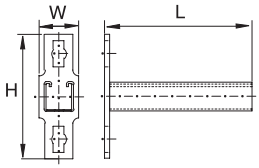
Art.Nr.	G	W mm	H mm	H1 mm	KG /100	
1392169	M8	57	65	35	6.4	20
1394169	M8	57	85	35	7.6	20
1394269	M8	57	125	35	10.1	20
1396269	M8	57	108	35	9.0	20
1396369	M8	57	167	35	12.8	500

Medium & Heavy Duty Framing System

Kwikstrut Q cantilever arm - QLCA

Material : Backplate: Steel DD11 - EN 10111; Channel: Steel S280JR - EN 10025
Finish : Electro zinc plated - EN ISO 19598



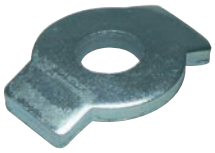


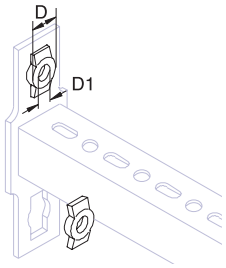
QLCA

Art.Nr.	L mm	W mm	H mm	KG /100	
1394207	150	56	174	90.6	10
1394209	300	56	174	111.5	10
1394211	450	56	174	139.8	10

Kwikstrut Q adapter washer - QCA

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - EN ISO 19598



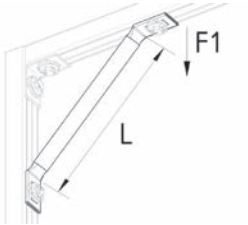


QCA

Art.Nr.	D mm	D1 mm	KG /100	
1390865	27	8.5	2.1	50
1391065	27	10.5	2.0	50
1391265	27	12.5	1.9	50

Kwikstrut Q brace fitting - QBF

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - EN ISO 19598

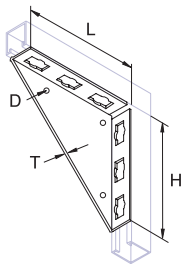


QBF

Art.Nr.	L mm	F1 kN	KG /100	
1393008	300	3	53.9	10
1394008	400	3	67.9	10
1395008	500	3	81.8	10
1396008	600	3	95.8	10

Kwikstrut Q angle bracket - QKON

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - EN ISO 19598



QKON

Art.Nr.	D mm	L mm	H mm	T mm	KG /100	
1390155	12.5	200	200	4	95	10
1390165	12.5	155	210	4	77.8	10

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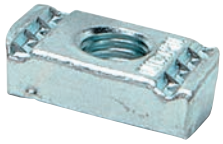
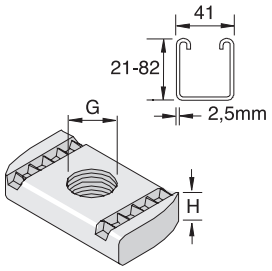
Channel Nuts

Material : Steel SAE 1018/1022
Finish : Electro zinc plated - DIN EN 12329



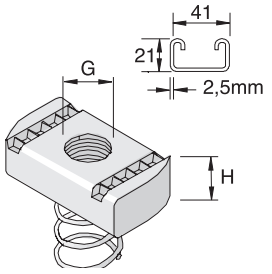


PNP

Art.Nr.	G	H mm	KG /100	
PNP06ZP	M6	6.5	3.1	100
PNP08ZP	M8	8	3.5	100
PNP10ZP	M10	9	4.7	100
PNP12AZP	M12	9	3.6	100
PNP12ZP	M12	12	4.6	100
PNP16ZP	M16	12	8	100

Channel Nuts short spring

Material : Steel SAE 1018/1022
Finish : Electro zinc plated - DIN EN 12329



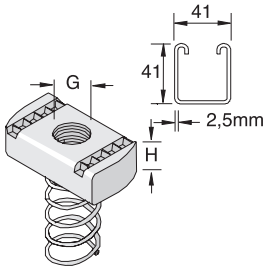
PNS

Art.Nr.	G	H mm	KG /100	
PNS06ZP	M6	6.5	3.1	100
PNS08ZP	M8	8	3.5	100
PNS10ZP	M10	9	3.9	100
PNS12AZP	M12	9	3.6	100

Medium & Heavy Duty Framing System

Channel Nuts long spring

Material : Steel SAE 1018/1022
Finish : Electro zinc plated - DIN EN 12329

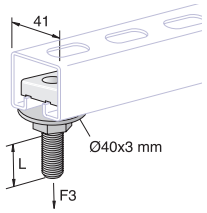


PNL

Art.Nr.	G	H mm	KG /100	
PNL06ZP	M6	6.5	3.3	100
PNL08ZP	M8	8	3.5	100
PNL10ZP	M10	9	4	100
PNL12AZP	M12	9	3.6	100
PNL12ZP	M12	12	4.8	100

Stud Nuts SN

Material : Nut: Steel SAE 1018/1022; Washer: C1008/ C1010;
Thread: SAE1008; Nut: class 8
Finish : Electro zinc plated - DIN EN 12229

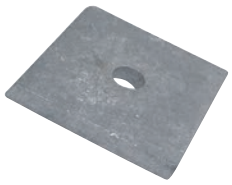


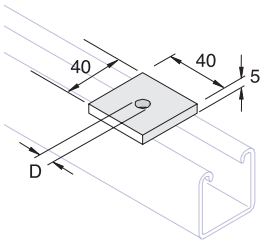
SN

Art.Nr.	G	L mm	KG /100	
M6X30SN	M6	18.5	6.8	50
M8X30SN	M8	15.5	8.1	50
M8X40SN	M8	25.5	8.4	50
M8X50SN	M8	35.5	8.7	50
M8X60SN	M8	45.5	9	50
M8X75SN	M8	60.5	9.5	50
M8X100SN	M8	85.5	10.3	50
M10X30SN	M10	13	9.7	50
M10X40SN	M10	23	10	50
M10X50SN	M10	33	10.7	50
M10X60SN	M10	43	11.2	50
M10X75SN	M10	58	12	50
M10X100SN	M10	83	13.2	50
M12X30SN	M12	11	11.7	50
M12X40SN	M12	21	12.4	50
M12X50SN	M12	31	13.2	50
M12X60SN	M12	41	13.9	50
M12X75SN	M12	56	15	50

Kwikstrut Flat Fittings K1964

Material : Steel S235 - EN 10025
Finish : Electro zinc plated - DIN EN 12329



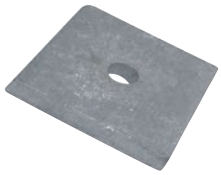


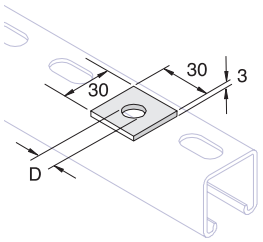
K1964

Art.Nr.	D mm	KG /100	
K1964	17	7.3	50

Kwikstrut Flat Fittings K1063

Material : Steel S235 - EN 10025
Finish : Electro zinc plated - DIN EN 12329





K1063

Art.Nr.	D mm	G	L mm	T mm	KG /100	
K1063/06	8	M6	30	3	1.8	200
K1063/08	10	M8	30	3	1.8	200
K1063/10	12	M10	30	3	1.8	200
K1063/12	14	M12	30	3	1.8	200

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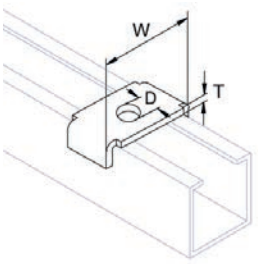
Kwikstrut U Shaped Washer for 41 mm width channel

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - EN ISO 19598

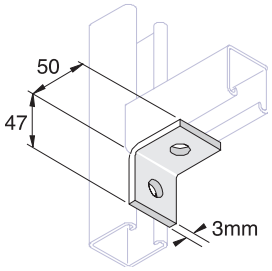


H41

Art.Nr.	D mm	W mm	T mm	Tinst Nm	KG /100	
1404210	8.5	50	4	20	6.1	100
1404220	10.5	50	4	45	6.0	100
1404230	12.5	50	4	60	5.9	100

Kwikstrut Angle Fittings 90°

Material : Steel S235 - EN 10025
Finish : Electro zinc plated - DIN EN 12329

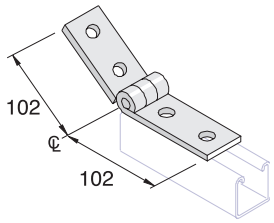


K1026S1

Art.Nr.	KG /100	
K1026-S1	7.1	20

Kwikstrut Special adjustable Angle Fittings K1354

Material : Steel S235 - EN 10025
Finish : Electro zinc plated - DIN EN 12329



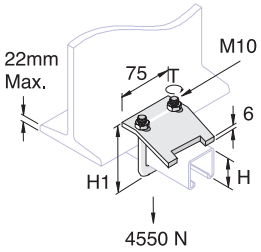
K1354

Art.Nr.	KG /100	
K1354	45.2	20

Medium & Heavy Duty Framing System

Beamclamp for Kwikstrut channel K2785-88

Material : Steel S235 - EN 10025
Finish : Electro zinc plated - DIN EN 12329

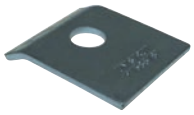


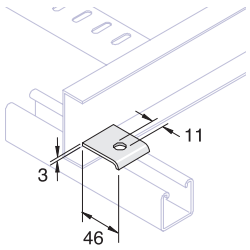
K2785-88

Art.Nr.	H mm	H1 mm	Tinst Nm	KG /100	
K2785	21-41	86	22	36	25
K2786	62-83	127	22	40	20
K2787	124-165	209	22	40	20

Beamclamp for Kwikstrut channel K1386-S1

Material : Steel S235 - EN 10025
Finish : Electro zinc plated - DIN EN 12329



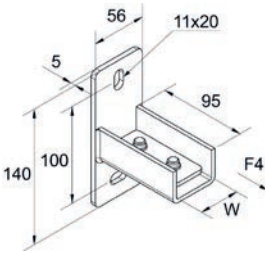


K1386-S1

Art.Nr.	KG /100	
K1386-S1	4.2	100

Kwikstrut Channel Foot brackets SF-S

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - DIN EN 12329

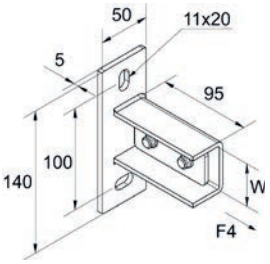


SF-S

Art.Nr.	W mm	KG /100	
3910073	41	84.1	10

Kwikstrut Channel Foot brackets SF-L

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - DIN EN 12329

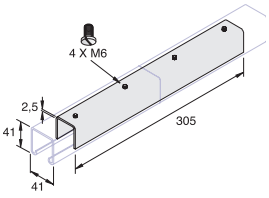


SF-L

Art.Nr.	W mm	KG /100	
3910074	41	70.9	10

Kwikstrut internal Channel Couplers K1218

Material : Steel S235 - EN 10025
Finish : Electro zinc plated - DIN EN 12329



K1218

Art.Nr.	KG /100	
K1218	53.9	15

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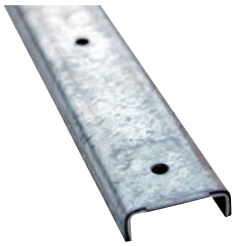
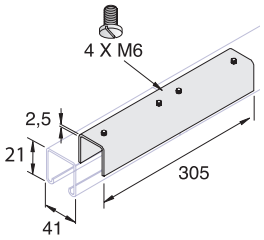
Kwikstrut internal Channel Couplers K1219

Material : Steel S235 - EN 10025
Finish : Electro zinc plated - DIN EN 12329



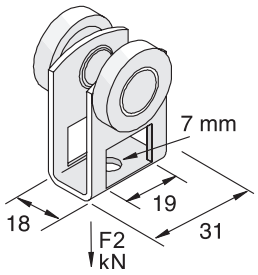


K1219

Art.Nr.	KG /100	
K1219	19	20

Kwikstrut Channel trolleys assembly K2749

Material : Steel S235 - EN 10025
Finish : Electro zinc plated - DIN EN 12329

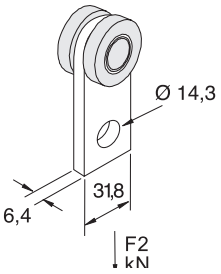


K2749

Art.Nr.	F2 kN	Suitable for:	KG /100	
K2749	0.23	p1000	9.5	25

Kwikstrut Channel trolleys assembly K2949

Material : Steel S235 - EN 10025
Finish : Electro zinc plated - DIN EN 12329

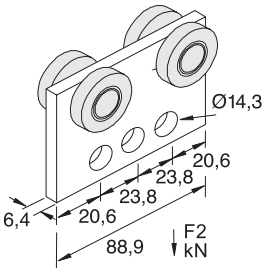


K2949

Art.Nr.	F2 kN	Suitable for:	KG /100	
K2949	0.7	p1000	20.8	25

Kwikstrut Channel trolleys assembly K2950

Material : Steel S235 - EN 10025
Finish : Electro zinc plated - DIN EN 12329



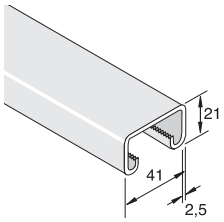
K2950

Art.Nr.	F2 kN	Suitable for:	KG /100	
K2950	1.3	p1000	49.9	10

K3300-HDG

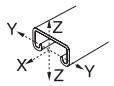
Kwikstrut single channel K3300

Material : Steel S275JR - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009



Art.Nr.	L mm		KG 1 pcs.
K3311136	6000	50	11.46

L(mm)	F δ σ=175 N/mm² Fmax(kN)	δmax(mm)	F δ σ=175 N/mm² Fmax(kN)	δmax(mm)	δ=1/200L F (kN)	δ=1/360L F (kN)	F(kN)
250	2.712	0.36	5.425	0.45	-	-	10.222
500	1.354	1.45	2.708	1.81	-	2.080	9.761
750	0.903	3.26	1.805	4.07	1.658	0.922	8.427
1000	0.677	5.79	1.354	7.24	0.932	0.520	6.769
1250	0.540	9.06	1.079	11.32	0.598	0.324	5.376
1500	0.451	13.04	0.903	16.30	0.412	0.226	4.287*
1750	0.387	17.75	0.775	22.19	0.304	-	3.463*
2000	0.338	23.19	0.677	28.99	0.226	-	-



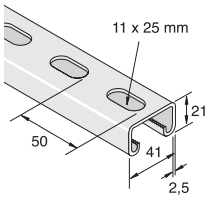
A = 2.32 cm²
/m = 1.91 kg/m
I y-y = 1.19 cm⁴
Z y-y = 0.97 cm³
r y-y = 0.71 cm
I z-z = 5.34 cm⁴
Z z-z = 2.59 cm³
r z-z = 1.51 cm

*k.L/r =>180 < 250

K3300T10-HDG

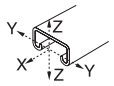
Kwikstrut single channel K3300T10

Material : Steel S275JR - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009



Art.Nr.	L mm		KG 1 pcs.
K3311332	2000	50	3.52
K3311333	3000	50	5.28
K3311336	6000	50	10.56

L(mm)	F δ σ=175 N/mm² Fmax(kN)	δmax(mm)	F δ σ=175 N/mm² Fmax(kN)	δmax(mm)	δ=1/200L F (kN)	δ=1/360L F (kN)	F(kN)
250	2.492	0.40	4.983	0.50	-	-	-
500	1.246	1.61	2.492	2.01	-	1.707	-
750	0.829	3.63	1.658	4.54	1.364	0.755	-
1000	0.623	6.46	1.246	8.07	0.765	0.422	-
1250	0.495	10.09	0.991	12.61	0.491	0.265	-
1500	0.412	14.54	0.824	18.17	0.334	-	-
1750	0.353	19.78	0.706	24.73	0.245	-	-
2000	0.309	25.84	0.618	32.30	-	-	-



A = 1.97 cm²
/m = 1.76 kg/m
I y-y = 0.98 cm⁴
Z y-y = 0.89 cm³
r y-y = 0.70 cm
I z-z = 5.29 cm⁴
Z z-z = 2.56 cm³
r z-z = 1.63 cm

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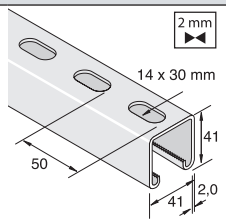
K1100T-HDG

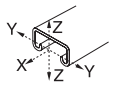
Kwikstrut single channel K1100T

Material : Steel S275JR - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009



Art.Nr.	L mm		KG 1 pcs.
K1111236	6000	50	12.56

L(mm)	F, σ=175 N/mm², δ — Fmax(kN)	δmax(mm)	F, σ=175 N/mm², δ — Fmax(kN)	δmax(mm)	δ=1/200L F (kN)	δ=1/360L F (kN)
250	6.605	0.19	13.210	0.24	-	-
500	3.302	0.77	6.604	0.96	-	-
750	2.202	1.73	4.404	2.17	-	-
1000	1.651	3.07	3.302	3.86	-	1.492
1250	1.321	4.80	2.642	6.10	-	0.955
1500	1.101	6.92	2.202	8.80	-	0.663
1750	0.944	9.41	1.888	12.00	0.877	0.487
2000	0.826	12.29	1.652	15.73	0.672	0.373
2250	0.734	15.56	1.468	20.00	0.531	0.295
2500	0.660	19.21	1.320	24.90	0.430	0.239

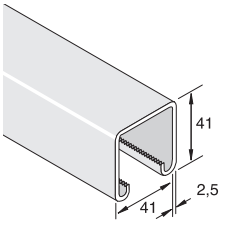


A = 2.51 cm²
/m = 2.18 kg/m
I y-y = 5.33 cm⁴
Z y-y = 2.58 cm³
r y-y = 1.42 cm
I z-z = 9.17 cm⁴
Z z-z = 4.44 cm³
r z-z = 1.74 cm

K1000-HDG

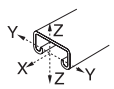
Kwikstrut single channel K1000

Material : Steel S275JR - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009



Art.Nr.	L mm		KG 1 pcs.
K1011136	6000	50	17.30

L(mm)	F, σ=175 N/mm², δ — Fmax(kN)	δmax(mm)	F, σ=175 N/mm², δ — Fmax(kN)	δmax(mm)	δ=1/200L F (kN)	δ=1/360L F (kN)	F(kN)
250	8.677	0.18	17.354	0.23	-	-	16.608
500	4.336	0.76	8.672	0.95	-	-	16.187
750	2.889	1.72	5.778	2.15	-	5.602	15.245
1000	2.168	3.06	4.336	3.82	-	3.149	13.685
1250	1.731	4.78	3.463	5.97	-	2.011	12.086
1500	1.442	6.88	2.884	8.60	2.521	1.393	10.722
1750	1.236	9.36	2.472	11.70	1.844	1.020	9.575
2000	1.084	12.23	2.168	15.29	1.413	0.785	8.623
2250	0.961	15.48	1.923	19.35	1.118	0.618	7.819
2500	0.863	19.11	1.727	23.89	0.903	0.500	7.112



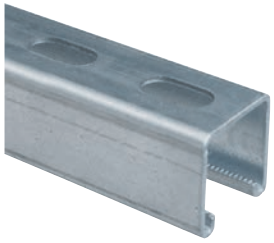
A = 3.35 cm²
/m = 2.88 kg/m
I y-y = 7.21 cm⁴
Z y-y = 3.10 cm³
r y-y = 1.46 cm
I z-z = 9.23 cm⁴
Z z-z = 4.47 cm³
r z-z = 1.66 cm

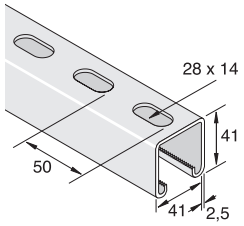
*k.L/r =>180 < 250

K1000T-HDG

Kwikstrut single channel K1000T

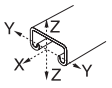
Material : Steel S275JR - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009





Art.Nr.	L mm		KG 1 pcs.
K1011233	3000	50	8.20
K1011236	6000	50	16.40

L(mm)	F δ σ=175 N/mm² Fmax(kN)	δmax(mm)	F σ=175 N/mm² Fmax(kN)	δmax(mm)	δ=1/200L F (kN)	δ=1/360L F (kN)	F(kN)
250	8.034	0.22	16.069	0.27	-	-	16.283
500	4.017	0.84	8.034	1.05	-	-	16.039
750	2.678	1.88	5.356	2.35	-	4.738	15.274
1000	2.006	3.34	4.012	4.18	-	2.659	13.626
1250	1.604	5.23	3.208	6.54	3.071	1.707	11.880
1500	1.339	7.53	2.678	9.41	2.129	1.177	10.418
1750	1.148	10.25	2.296	12.81	1.560	0.863	9.231
2000	1.001	13.38	2.001	16.73	1.197	0.657	8.270
2250	0.893	16.94	1.785	21.18	0.942	0.520	7.465
2500	0.800	20.92	1.599	26.15	0.765	0.422	6.779



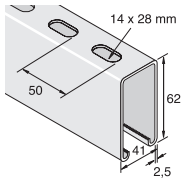
A = 3.00 cm²
/m = 2.73 kg/m
I y-y = 6.10 cm⁴
Z y-y = 2.87 cm³
r y-y = 1.42 cm
I z-z = 9.17 cm⁴
Z z-z = 4.44 cm³
r z-z = 1.74 cm

*k.L/r =>180 < 250

K5500T-HDG

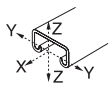
Kwikstrut single channel K5500T

Material : Steel S275JR - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009



Art.Nr.	L mm		KG 1 pcs.
K5511236	6000	20	21.62

L(mm)	F δ σ=167 N/mm² Fmax(kN)	δmax(mm)	F σ=167 N/mm² Fmax(kN)	δmax(mm)	δ=1/200L F (kN)	δ=1/360L F (kN)	F(kN)
250	-	-	-	-	-	-	20.277
500	-	-	-	-	-	-	20.081
750	4.964	1.20	9.928	1.50	-	-	18.443
1000	3.723	2.14	7.446	2.67	-	-	15.245
1250	2.977	3.34	5.955	4.18	-	4.944	12.557
1500	2.482	4.82	4.964	6.02	-	3.434	10.507
1750	2.124	6.55	4.248	8.19	-	2.521	8.966
2000	1.859	8.56	3.718	10.70	3.473	1.923	7.789
2250	1.653	10.84	3.306	13.55	2.747	1.521	6.867
2500	1.486	13.38	2.972	16.73	2.217	1.236	6.141

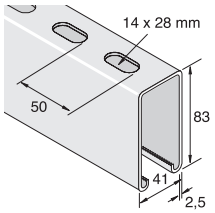


A = 4.03 cm²
/m = 3.60 kg/m
I y-y = 17.67 cm⁴
Z y-y = 5.59 cm³
r y-y = 2.09 cm
I z-z = 13.07 cm⁴
Z z-z = 6.33 cm³
r z-z = 1.79 cm

K5000T-HDG

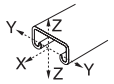
Kwikstrut single channel K5000T

Material : Steel S275JR - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009



Art.Nr.	L mm		KG 1 pcs.
K5011236	6000	20	26.91

L(mm)	F δ σ=132 N/mm² Fmax(kN)	δmax(mm)	F δ σ=132 N/mm² Fmax(kN)	δmax(mm)	δ=1/200L F (kN)	δ=1/360L F (kN)	F(kN)
250	-	-	-	-	-	-	19.620
500	-	-	-	-	-	-	19.355
750	6.298	0.71	12.596	0.89	-	-	16.422
1000	4.724	1.27	9.447	1.59	-	-	12.822
1250	3.777	1.98	7.554	2.48	-	-	10.124
1500	3.149	2.86	6.298	3.58	-	-	8.182
1750	2.698	3.89	5.396	4.86	-	-	6.769
2000	2.359	5.09	4.719	6.36	-	4.120	5.719
2250	2.099	6.44	4.199	8.05	-	3.257	4.934
2500	1.888	7.94	3.777	9.93	-	2.639	4.326

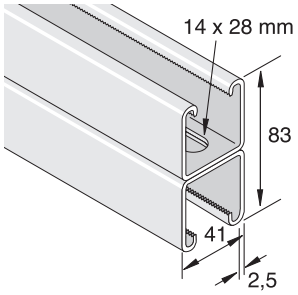


A = 5.06 cm²
/m = 4.48 kg/m
I y-y = 37.76 cm⁴
Z y-y = 9.01 cm³
r y-y = 2.72 cm
I z-z = 16.95 cm⁴
Z z-z = 8.21 cm³
r z-z = 1.82 cm

K1001T-HDG

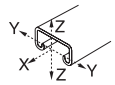
Kwikstrut Double Channel K1001T

Material : Steel S275JR - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009



Art.Nr.	L mm		KG 1 pcs.
K1021236	6000	25	32.82

L(mm)	F δ σ=175 N/mm² Fmax(kN)	δ max(mm)	F δ σ=175 N/mm² Fmax(kN)	δ max(mm)	δ=1/200L F (kN)	δ=1/360L F (kN)	F(kN)
750	8.182	0.97	16.363	1.21	-	-	27.027
1000	6.136	1.72	12.272	2.15	-	-	26.585
1250	4.910	2.69	9.820	3.36	-	-	25.830
1500	4.091	3.87	8.182	4.84	-	7.034	24.584
1750	3.057	5.27	7.014	6.59	-	5.170	22.906
2000	3.066	6.89	6.131	8.61	-	3.953	21.042
2250	2.727	8.72	5.454	10.90	-	3.120	19.198
2500	2.453	10.77	4.905	13.46	4.552	2.531	17.452
2750	2.232	13.02	4.464	16.28	3.767	2.090	15.852
3000	2.045	15.50	4.091	19.38	3.159	1.756	14.391*



A = 6.00 cm²
/m = 5.47 kg/m
I y-y = 36.21 cm⁴
Z y-y = 8.77 cm³
r y-y = 2.45 cm
I z-z = 18.34 cm⁴
Z z-z = 8.88 cm³
r z-z = 1.74 cm

*k.L/r =>180 < 250

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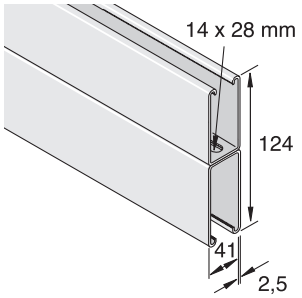
K5501T-HDG

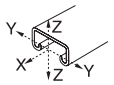
Kwikstrut Double Channel K5501T

Material : Steel S275JR - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009



Art.Nr.	L mm		KG 1 pcs.
K5521236	6000		42.23

L(mm)	F δ σ=167 N/mm² Fmax(kN)	δ max(mm)	F δ σ=167 N/mm² Fmax(kN)	δ max(mm)	δ=1/200L F (kN)	δ=1/360L F (kN)	F(kN)
750	-	-	-	-	-	-	34.257
1000	-	-	-	-	-	-	33.766
1250	-	-	-	-	-	-	32.971
1500	7.873	2.46	15.745	3.07	-	-	31.667
1750	6.749	3.34	13.499	4.18	-	-	29.822
2000	5.906	4.38	11.811	5.47	-	-	27.674
2250	5.248	5.54	10.497	6.92	-	9.476	25.457
2500	4.724	6.83	9.447	8.54	-	7.671	23.299
2750	4.292	8.27	8.584	10.34	-	6.337	21.288
3000	3.934	9.84	7.868	12.30	-	5.327	19.443



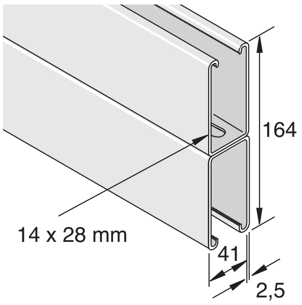
A = 8.06 cm²
/m = 7.04 kg/m
I y-y = 109.74 cm⁴
Z y-y = 17.70 cm³
r y-y = 3.69 cm
I z-z = 26.14 cm⁴
Z z-z = 12.66 cm³
r z-z = 1.80 cm

Medium & Heavy Duty Framing System

K5001T-HDG

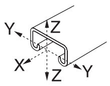
Kwikstrut Double Channel K5001T

Material : Steel S275JR - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009



Art.Nr.	L mm		KG 1 pcs.
K5021236	6000		53.81

L(mm)	F, σ=132 N/mm², Fmax(kN)	δ max(mm)	F (distributed), σ=132 N/mm², Fmax(kN)	δ max(mm)	δ=1/200L F (kN)	δ=1/360L F (kN)	F (kN)
750	-	-	-	-	-	-	33.825
1000	-	-	-	-	-	-	33.432
1250	12.267	1.00	24.535	1.25	-	-	32.864
1500	10.222	1.44	20.444	1.80	-	-	32.010
1750	8.760	1.96	17.521	2.45	-	-	30.764
2000	7.667	2.56	15.333	3.20	-	-	29.165
2250	6.813	3.24	13.626	4.05	-	-	27.350
2500	6.131	4.00	12.263	5.00	-	-	25.467
2750	5.577	4.84	11.154	6.05	-	-	23.613
3000	5.111	5.77	10.222	7.21	-	-	21.847



A = 10.12 cm²
kg/m = 8.97 kg/m
I y-y = 243.16 cm⁴
Z y-y = 29.44 cm³
r y-y = 4.90 cm
I z-z = 33.90 cm⁴
Z z-z = 16.42 cm³
r z-z = 1.83 cm

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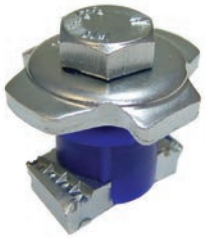
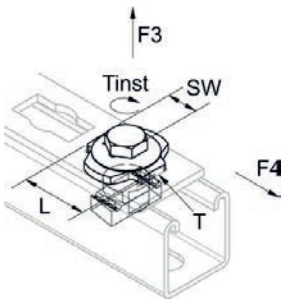
QFNH-HDG

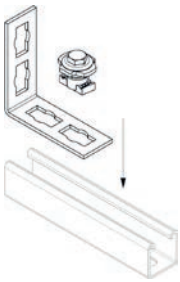
Kwikstrut Q Uni lock channel nut - QFNH-HDG

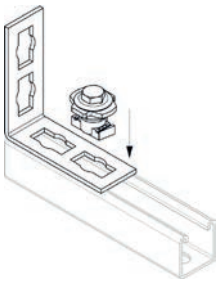
Material : Bolt DIN 933-8.8; Nut Steel S235JR - EN 10025; Washer Steel DD11 - EN 10111; Plastic part PP
Finish : Delta Tone - Corrosion resistance - EN ISO 9227

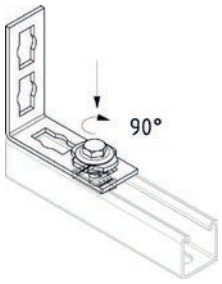


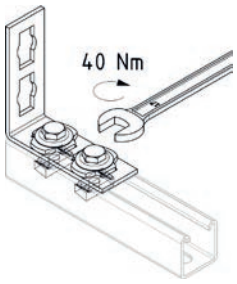


Art.Nr.	G	L mm	T mm	F3 kN	F4 kN	Tinst Nm	SW mm	KG /100	
1391019	M10	40	4	4	3	40	17	8.0	50





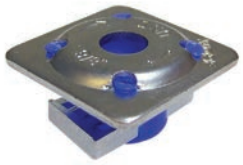


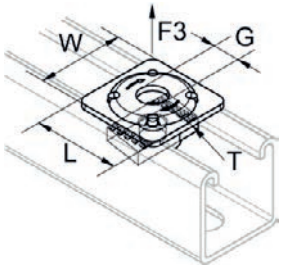


QRN-HDG

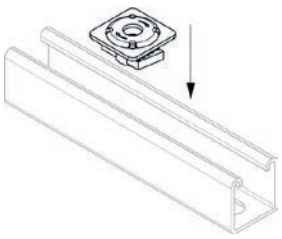
Kwikstrut Q channel nut with square washer - QRN-HDG

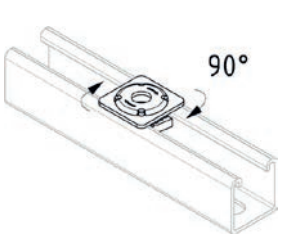
Material : Nut S460MC - EN 10149; Washer Steel DD11 - EN 10111; Plastic part PP
Finish : Delta Tone - Corrosion resistance - EN ISO 9227

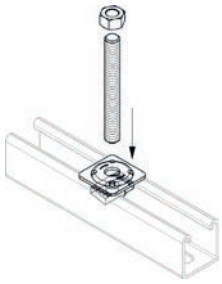


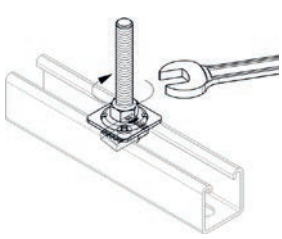


Art.Nr.	G	L mm	W mm	T mm	F3 kN	Tinst Nm	KG /100	
1390824	M8	40	40	2.5	5	10	6.0	50
1391024	M10	40	40	2.5	5	15	5.8	50
1391224	M12	40	40	2.5	5	30	5.5	50





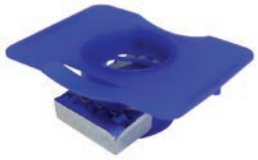


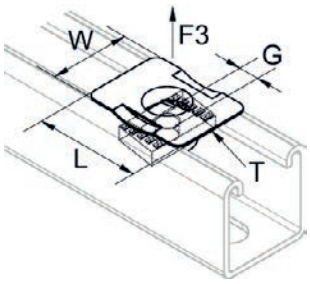


QCN-HDG

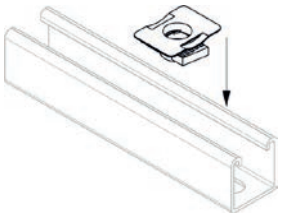
Kwikstrut Q channel nut with plastic washer - QCN-HDG

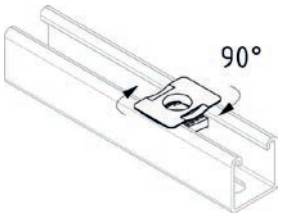
Material : Nut S460MC - EN 10149; Plastic part PP
Finish : Delta Tone - Corrosion resistance - EN ISO 9227

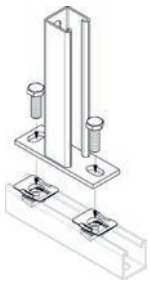


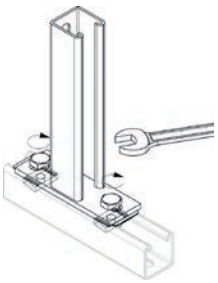


Art.Nr.	G	L mm	W mm	T mm	F3 kN	KG /100	
1390833	M8	45	34	0.8	5	3.3	50
1391033	M10	45	34	0.8	5	3.0	50
1391233	M12	45	34	0.8	5	2.8	50





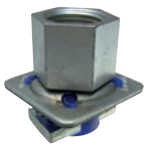


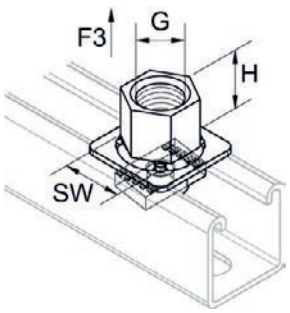


QEN-HDG

Kwikstrut Q channel nut M16 - QEN-HDG

Material : Nut S460MC - EN 10149; Washer Steel DD11 - EN 10111; Plastic part PP
Finish : Delta Tone - Corrosion resistance - EN ISO 9227





Art.Nr.	G	H mm	F3 kN	SW mm	KG /100	
1391623	M16	26	5	22	9.5	50

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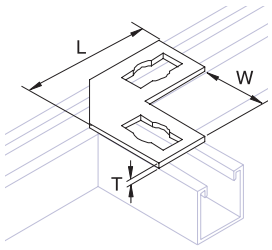
Kwikstrut Q flat angle fitting 90° - QFA-HDG

Material : Steel DD11 - EN 10111
Finish : Delta Tone - Corrosion resistance - EN ISO 9227

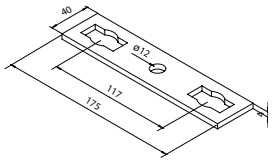


QFA-HDG

Art.Nr.	L mm	W mm	T mm	Nut qty	KG /100	
1390124	92	52	4	2	12.5	25

Kwikstrut Q I-fitting - QFI-HDG

Material : Steel DD11 - EN 10111
Finish : Delta Tone - Corrosion resistance - EN ISO 9227

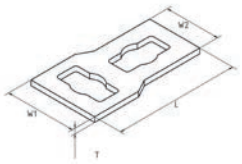


QFI-HDG

Art.Nr.	L mm	W mm	T mm	Nut qty	KG /100	
1390150	175	40	4	2	16.7	100

Kwikstrut Q T-fitting - QFT-HDG

Material : Steel DD11 - EN 10111
Finish : Delta Tone - Corrosion resistance - EN ISO 9227



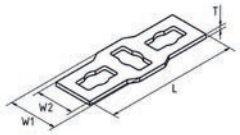
QFT-HDG

Art.Nr.	L mm	W mm	T mm	Nut qty	KG /100	
1395950	91.5	52	4	3	9.2	50

Medium & Heavy Duty Framing System

Kwikstrut Q cross fitting - QFX-HDG

Material : Steel DD11 - EN 10111
Finish : Delta Tone - Corrosion resistance - EN ISO 9227

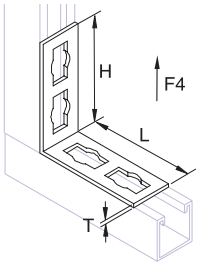


QFX-HDG

Art.Nr.	L mm	W mm	T mm	Nut qty	KG /100	
1395960	142	52	4	3	13.7	50

Kwikstrut Q flat angle fitting 90° - QFFA-HDG

Material : Steel DD11 - EN 10111
Finish : Delta Tone - Corrosion resistance - EN ISO 9227



QFFA-HDG

Art.Nr.	L mm	H mm	T mm	F4 kN	Nut qty	KG /100	
1399024	65	65	4	3	2	10.9	25
1399034	65	110	4	3	3	14.6	25
1399044	110	110	4	5	4	18.3	25

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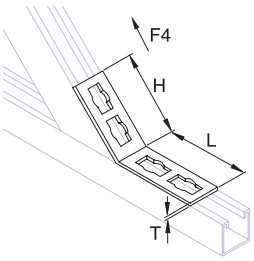
Kwikstrut Q flat angle fitting 135° - QFFA 135-HDG

Material : Steel DD11 - EN 10111
Finish : Delta Tone - Corrosion resistance - EN ISO 9227

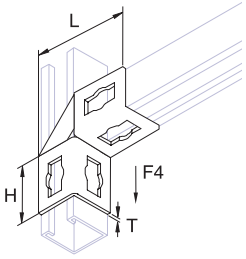


QFFA 135-HDG

Art.Nr.	L mm	H mm	T mm	F4 kN	Nut qty	KG /100	
1393534	65	110	4	3	3	14.3	25

Kwikstrut Q angle fitting 90° - QFAZ-HDG

Material : Steel DD11 - EN 10111
Finish : Delta Tone - Corrosion resistance - EN ISO 9227

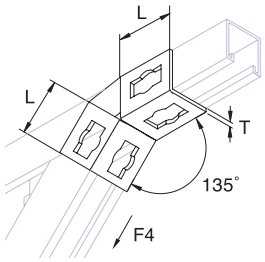


QFAZ-HDG

Art.Nr.	L mm	H mm	T mm	F4 kN	Nut qty	KG /100	
1399054	103	58	4	3	2	25.2	10
1399064	150	106	4	5	4	41.7	10

Kwikstrut Q angle fitting 135° - QFA 135-HDG

Material : Steel DD11 - EN 10111
Finish : Delta Tone - Corrosion resistance - EN ISO 9227

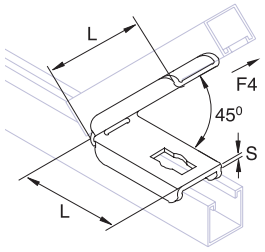


QFA 135-HDG

Art.Nr.	L mm	T mm	F4 kN	Nut qty	KG /100	
1393554	56	4	3	2	24.4	10
1393564	103	4	5	4	39.0	10

Kwikstrut Q angle fitting 45° - QFFA45-HDG

Material : Steel DD11 - EN 10111
Finish : Delta Tone - Corrosion resistance - EN ISO 9227



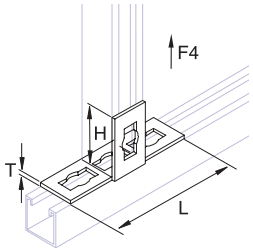
QFFA45-HDG

Art.Nr.	L mm	T mm	F4 kN	Nut qty	KG /100	
1394524	104	5	3	2	47.1	25

Medium & Heavy Duty Framing System

Kwikstrut Q angle - T fitting - QFFT-HDG

Material : Steel DD11 - EN 10111
Finish : Delta Tone - Corrosion resistance - EN ISO 9227

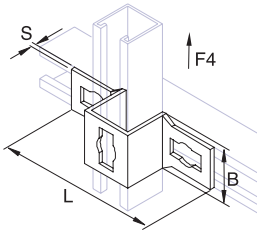


QFFT-HDG

Art.Nr.	L mm	H mm	T mm	F4 kN	Nut qty	KG /100	
1390114	150	66	4	3	3	18.9	10

Kwikstrut Q U shaped fitting - QFU-HDG

Material : Steel DD11 - EN 10111
Finish : Delta Tone - Corrosion resistance - EN ISO 9227

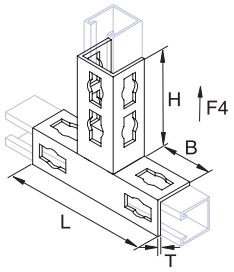


QFU-HDG

Art.Nr.	L mm	W mm	T mm	F4 kN	Nut qty	KG /100	
1394134	162	52	4	3	3	27.8	25

Kwikstrut Q cross fitting - QFTT-HDG

Material : Steel DD11 - EN 10111
Finish : Delta Tone - Corrosion resistance - EN ISO 9227

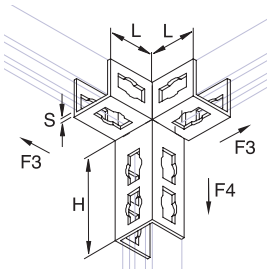


QFTT-HDG

Art.Nr.	L mm	H mm	T mm	F4 kN	Nut qty	KG /100	
1394115	175	108	4	5	4	67.7	25

Kwikstrut Q 3 way cross fitting - QFCL-QFCR-HDG

Material : Steel DD11 - EN 10111
Finish : Delta Tone - Corrosion resistance - EN ISO 9227



QFCL-QFCR-HDG

Art.Nr.	L mm	H mm	T mm	F3 kN	F4 kN	Nut qty	KG /100	
1394113	62	107	4	3	5	4	67.8	10
1394114	62	107	4	3	5	4	67.8	10

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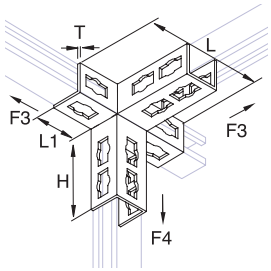
Kwikstrut Q 4 way cross fitting - QFCD-HDG

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - EN ISO 12329

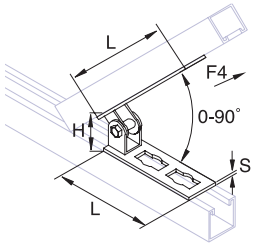


QFCD

Art.Nr.	L mm	H mm	T mm	F3 kN	F4 kN	Nut qty	KG /100	
1394174	175	108	4	3	5	6	97.4	10

Kwikstrut Q adjustable angle fitting - QFFS-HDG

Material : Steel DD11 - EN 10111
Finish : Delta Tone - Corrosion resistance - EN ISO 9227

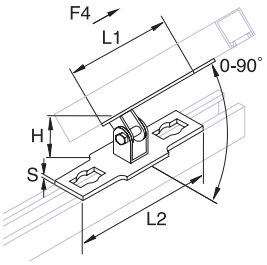


QFFS-HDG

Art.Nr.	L mm	H mm	T mm	F4 kN	Nut qty	KG /100	
1390184	122	55	5	5	4	38.5	10

Kwikstrut Q adjustable angle - T fitting - QFFSS-HDG

Material : Steel DD11 - EN 10111
Finish : Delta Tone - Corrosion resistance - EN ISO 9227

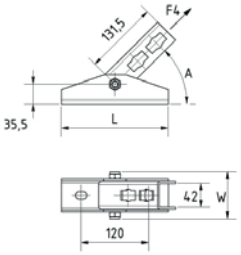


QFFSS-HDG

Art.Nr.	L mm	L1 mm	H mm	T mm	F4 kN	Nut qty	KG /100	
1390194	122	176	55	5	5	4	51.0	10

Kwikstrut Q adjustable angle fitting - QBFS-HDG

Material : Steel DD11 - EN 10111
Finish : Delta Tone - Corrosion resistance - EN ISO 9227



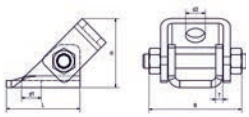
QBFS-HDG

Art.Nr.	L mm	W mm	T mm	F4 kN	Nut qty	KG /100	
1394172	190	83,5	5	5	2	130,1	10

Medium & Heavy Duty Framing System

Kwikstrut Q adjustable angle fitting - HF-HDG

Material : Steel DD11 - EN 10111
Finish : Delta Tone - Corrosion resistance - EN ISO 9227

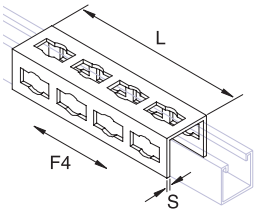


HF-HDG

Art.Nr.	L mm	W mm	T mm	F4 kN	Nut qty	KG /100	
1500165	63.5	80	6	5		48.1	10

Kwikstrut Q channel coupler - QFDC-HDG

Material : Steel DD11 - EN 10111
Finish : Delta Tone - Corrosion resistance - EN ISO 9227



QFDC-HDG

Art.Nr.	L mm	T mm	F4 kN	Nut qty	KG /100	
1394144	193	4	5	4	51.0	10

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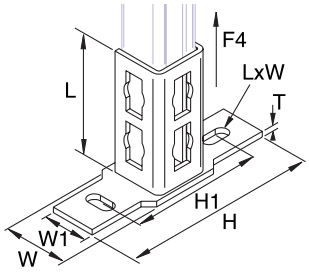
QBS-HDG

Kwikstrut Q channel base fitting QBS-HDG

Material : Steel DD11 - EN 10111
Finish : Delta Tone - Corrosion resistance - EN ISO 9227

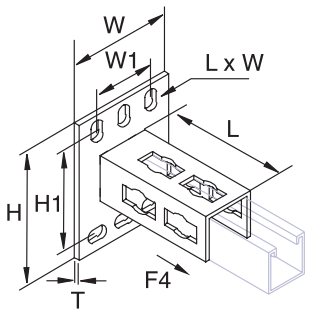


Art.Nr.	L mm	W mm	W1 mm	H mm	H1 mm	T mm	LxW mm	F4 kN	Nut qty	KG /100	
1394155	108	56	40	175	118	5	13x25	5	2	60.5	10

QB41-HDG

Kwikstrut Q channel base fitting QB41-HDG

Material : Steel DD11 - EN 10111
Finish : Delta Tone - Corrosion resistance - EN ISO 9227

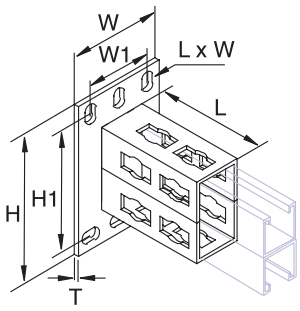


Art.Nr.	L mm	W mm	W1 mm	H mm	H1 mm	T mm	LxW mm	F4 kN	Nut qty	KG /100	
1394153	108	100	62	130	100	5	13x20	5	2	76.2	10

QB82-HDG

Kwikstrut Q channel base fitting QB82-HDG

Material : Steel DD11 - EN 10111
Finish : Delta Tone - Corrosion resistance - EN ISO 9227

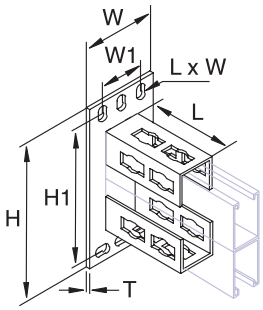


Art.Nr.	L mm	W mm	W1 mm	H mm	H1 mm	T mm	LxW mm	Nut qty	KG /100	
1394454	108	130	62	170	140	8	13x20	4	192.0	5

QB124-HDG

Kwikstrut Q channel base fitting QB124-HDG

Material : Steel DD11 - EN 10111
Finish : Delta Tone - Corrosion resistance - EN ISO 9227



Art.Nr.	L mm	W mm	W1 mm	H mm	H1 mm	T mm	LxW mm	Nut qty	KG /100	
1396654	108	130	62	210	180	8	13x20	4	224.6	5

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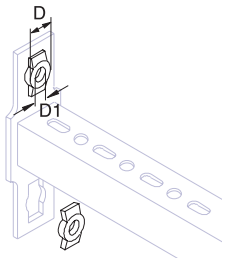
Medium & Heavy Duty Framing System

Kwikstrut Q adapter washer - QCA-HDG

Material : Steel DD11 - EN 10111
Finish : Delta Tone

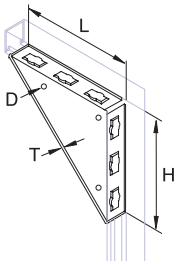


QCA-HDG

Art.Nr.	D mm	D1 mm	KG /100	
1391064	27	10.5	2.0	50

Kwikstrut Q angle bracket - QKON-HDG

Material : Steel DD11 - EN 10111
Finish : Delta Tone

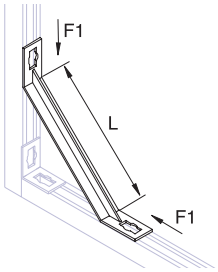


QKON-HDG

Art.Nr.	H mm	L mm	KG /100	
1390154	200	200	95.0	10

Kwikstrut Q brace fitting - QBF-HDG

Material : Steel DD11 - EN 10111
Finish : Delta Tone

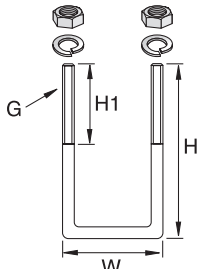


QBF-HDG

Art.Nr.	L mm	F1 kN	KG /100	
1393004	300	3	78.9	10
1395004	500	3	88.0	10

U bolt for universal brace - QUB-HDG

Material : Steel St37K - EN 10277, Classe 4.8
Finish : Delta Tone



QUB-HDG

Art.Nr.	G	W mm	H mm	H1 mm	KG /100	
1392164	M8	57	65	35	6.4	20

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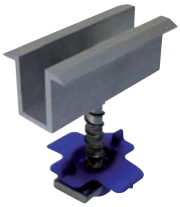
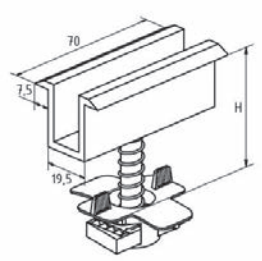
Medium & Heavy Duty Framing System

Kwikstrut Q Solar middle fitting - QCSM

Material : Clamp: Al; Nut: S460MC - EN10149; Screw & Spring: SS A2; Plastic Part: PP
Finish : Nut: Delta Tone - Corrosion resistance - EN ISO 9227



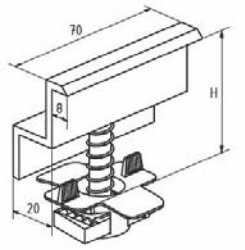


QCSM

Art.Nr.	H mm	KG /100	
1399200	35 - 50	9.5	25

Kwikstrut Q Solar end fitting - QCSE

Material : Clamp: Al; Nut: S460MC - EN10149; Screw & Spring: SS A2; Plastic Part: PP
Finish : Nut: Delta Tone - Corrosion resistance - EN ISO 9227



QCSE

Art.Nr.	H mm	KG /100	
1399300	35	9.2	10

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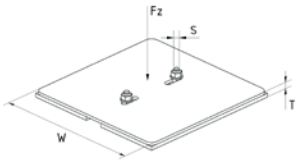
QMF

Kwikstrut Q Multiple Foot - QMF

Material : Plate: Steel S235JR - EN 10025; Rubber mat: Regupol 6510G
Finish : Zinc-Nickel (Corosil) DIN 50979:2008-07

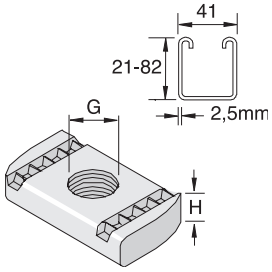


Art.Nr.	W mm	T mm	S	F2 kN	KG /100	
1465000	320	14	M12	5	5.5	2

Medium & Heavy Duty Framing System

Channel Nuts

Material : Steel SAE 1018/1022
Finish : Hot dip galvanised - EN ISO 1461: 2009

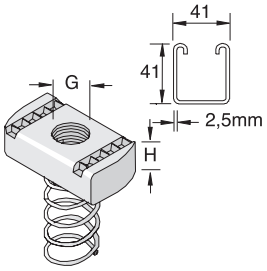


PNP-HDG

Art.Nr.	G	H mm	KG /100	
PNP06HDIN	M6	6.5	3.1	100
PNP08HDIN	M8	8	3.4	100
PNP10HDIN	M10	9	3.8	100
PNP12AHDIN	M12	9	3.4	100
PNP12HDIN	M12	12	4.6	100

Channel Nuts long spring

Material : Steel SAE 1018/1022
Finish : Hot dip galvanised - EN ISO 1461: 2009

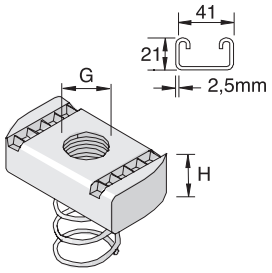


PNL-HDG

Art.Nr.	G	H mm	KG /100	
PNL06HDIN	M6	6.5	3.3	100
PNL08HDIN	M8	8	3.5	100
PNL10HDIN	M10	9	40	100
PNL12AHDIN	M12	9	3.4	100
PNL12HDIN	M12	12	4.8	100

Channel Nuts short spring

Material : Steel SAE 1018/1022
Finish : Hot dip galvanised - EN ISO 1461: 2009

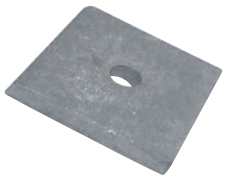


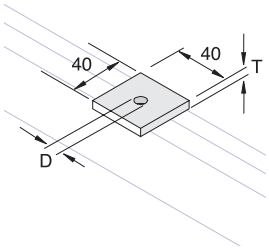
PNS-HDG

Art.Nr.	G	H mm	KG /100	
PNS06HDIN	M6	6.5	3.1	100
PNS08HDIN	M8	8	3.5	100
PNS10HDIN	M10	9	3.9	100
PNS12AHDIN	M12	9	3.4	100

Kwikstrut Flat Fittings K1019&20-HDG

Material : Steel S235 - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009





K1019&20-HDG

Art.Nr.	D mm	KG /100	
K1019	9	7.2	100
K1020	13	7	100

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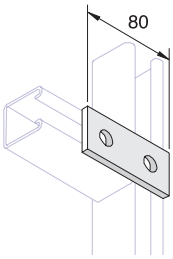
Kwikstrut Flat Fittings K1065-HDG

Material : Steel S235 - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009

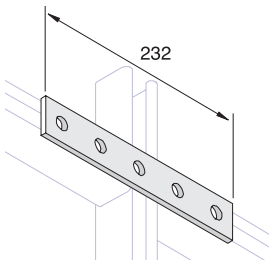


K1065-HDG

Art.Nr.	KG /100	
K1065	1.5	50

Kwikstrut Flat Fittings K1941-HDG

Material : Steel S235 - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009

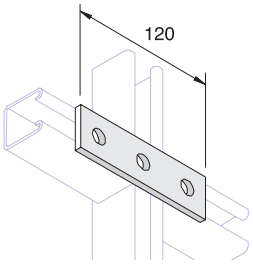


K1941-HDG

Art.Nr.	KG /100	
K1941	40	10

Kwikstrut Flat Fittings K1066-HDG

Material : Steel S235 - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009

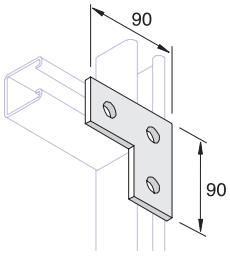


K1066-HDG

Art.Nr.	KG /100	
K1066	24	25

Kwikstrut Flat Fittings K1036-HDG

Material : Steel S235 - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009

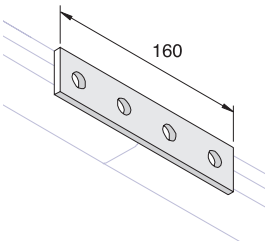


K1036-HDG

Art.Nr.	KG /100	
K1036	25	35

Kwikstrut Flat Fittings K1067-HDG

Material : Steel S235 - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009

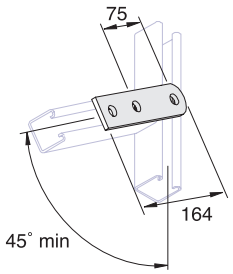


K1067-HDG

Art.Nr.	KG /100	
K1067	31.1	25

Kwikstrut Flat Fittings K2322-HDG

Material : Steel S235 - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009



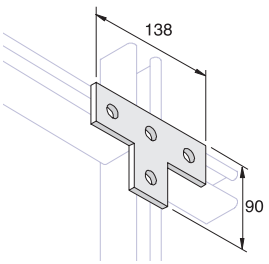
K2322-HDG

Art.Nr.	KG /100	
K2322	30.5	25

Medium & Heavy Duty Framing System

Kwikstrut Flat Fittings K1031-HDG

Material : Steel S235 - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009

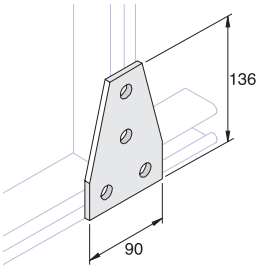


K1031-HDG

Art.Nr.	KG /100	
K1031	30	25

Kwikstrut Flat Fittings K1358-HDG

Material : Steel S235 - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009

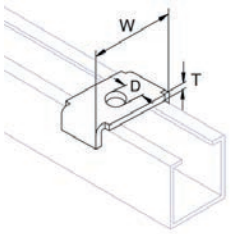


K1358-HDG

Art.Nr.	KG /100	
K1358	45	15

Kwikstrut U Shaped Washer for 41 mm width channel

Material : Steel DD11 - EN 10111
Finish : Delta Tone - Corrosion resistance - EN ISO 9227



H41-HDG

Art.Nr.	D mm	W mm	T mm	Tinst Nm	KG /100	
1404250	8.5	50	4	20	6.1	100
1404260	10.5	50	4	45	6.0	100
1404270	12.5	50	4	60	5.9	100
1404280	17.0	50	4	80	5.4	100

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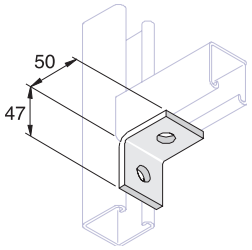
Kwikstrut Angle Fittings 90° - K1026-HDG

Material : Steel S235 - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009

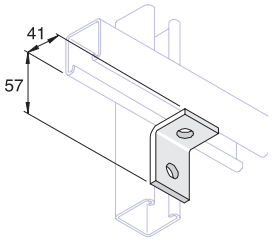


K1026-HDG

Art.Nr.	KG /100	
K1026	15	20

Kwikstrut Angle Fittings 90° - K1068-HDG

Material : Steel S235 - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009

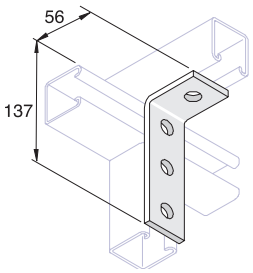


K1068-HDG

Art.Nr.	F1 kN	KG /100	
K1068	3.5	15	50

Kwikstrut Angle Fittings 90° - K1278-HDG

Material : Steel S235 - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009

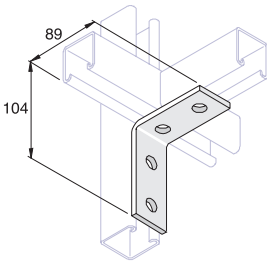


K1278-HDG

Art.Nr.	KG /100	
K1278	31.1	20

Kwikstrut Angle Fittings 90° - K1325-HDG

Material : Steel S235 - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009

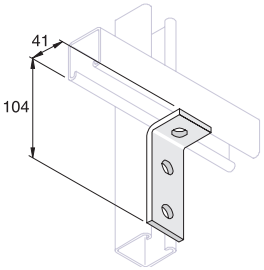


K1325-HDG

Art.Nr.	KG /100	
K1325	31.1	25

Kwikstrut Angle Fittings 90° - K1326-HDG

Material : Steel S235 - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009

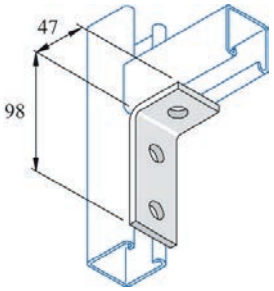


K1326-HDG

Art.Nr.	F1 kN	KG /100	
K1326	3.5	24	35

Kwikstrut Angle Fittings 90° - K1346-HDG

Material : Steel S235 - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009



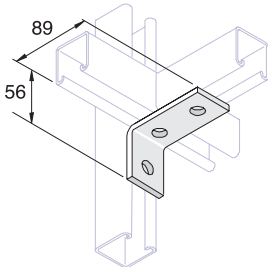
K1346-HDG

Art.Nr.	F1 kN	KG /100	
K1346	9.1	24	35

Medium & Heavy Duty Framing System

Kwikstrut Angle Fittings 90° - K1458-HDG

Material : Steel S235 - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009

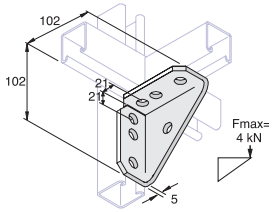


K1458-HDG

Art.Nr.	KG /100	
K1458	24	35

Kwikstrut Angle Fittings 90° - K2484-HDG

Material : Steel S235 - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009

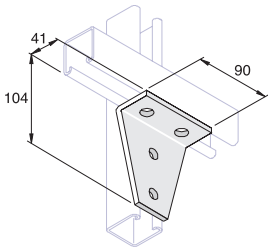


K2484-HDG

Art.Nr.	F1 kN	Tinst Nm	KG /100	
K2484	4	12	46.7	15

Kwikstrut Angle Fittings 90° - K1359-HDG

Material : Steel S235 - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009

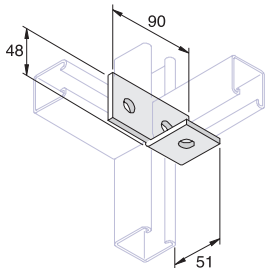


K1359-HDG

Art.Nr.	KG /100	
K1359	45	15

Kwikstrut Angle Fittings 90° - K1037-HDG

Material : Steel S235 - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009

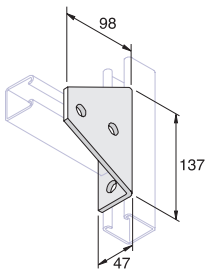


K1037-HDG

Art.Nr.	KG /100	
K1037	25	25

Kwikstrut Angle Fittings 90° - K1727-HDG

Material : Steel S235 - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009

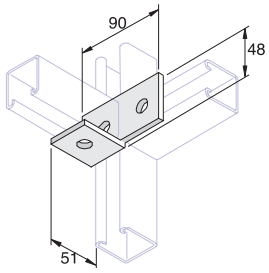


K1727-HDG

Art.Nr.	KG /100	
K1727	65	10

Kwikstrut Angle Fittings 90° - K1038-HDG

Material : Steel S235 - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009



K1038-HDG

Art.Nr.	KG /100	
K1038	25	25

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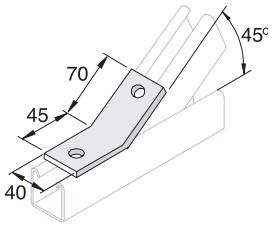
Kwikstrut Special Angle Fittings K1546-HDG

Material : Steel S235 - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009

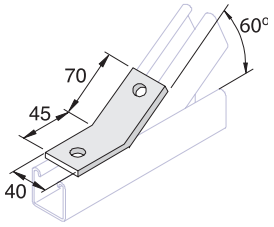


K1546-HDG

Art.Nr.	KG /100	
K1546	25.2	20

Kwikstrut Special Angle Fittings K2097-HDG

Material : Steel S235 - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009

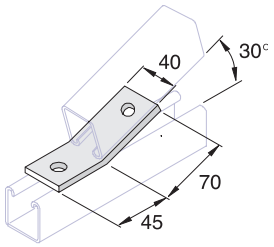


K2097-HDG

Art.Nr.	KG /100	
K2097	24.6	25

Kwikstrut Special Angle Fittings K2101-HDG

Material : Steel S235 - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009

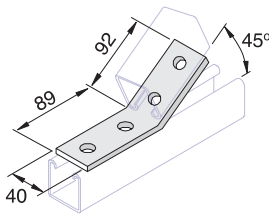


K2101-HDG

Art.Nr.	KG /100	
K2101	24.6	25

Kwikstrut Special Angle Fittings K1074-HDG

Material : Steel S235 - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009

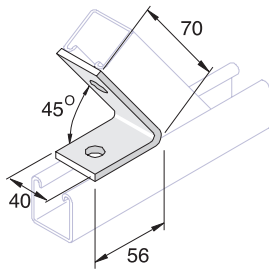


K1074-HDG

Art.Nr.	KG /100	
K1074	31.1	25

Kwikstrut Special Angle Fittings K1186-HDG

Material : Steel S235 - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009

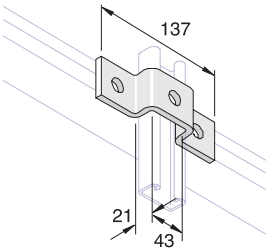


K1186-HDG

Art.Nr.	KG /100	
K1186	24.6	25

Kwikstrut U & Z Fittings K4047-HDG

Material : Steel S235 - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009

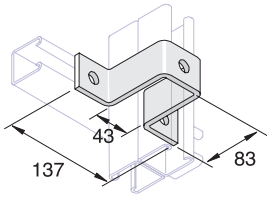


K4047-HDG

Art.Nr.	KG /100	
K4047	29.2	25

Kwikstrut U & Z Fittings K1737-HDG

Material : Steel S235 - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009

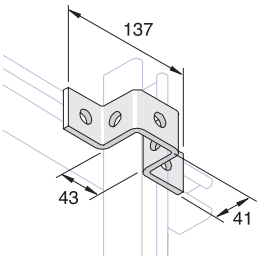


K1737-HDG

Art.Nr.	KG /100	
K1737	54.7	15

Kwikstrut U & Z Fittings K1047-HDG

Material : Steel S235 - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009

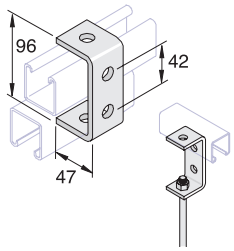


K1047-HDG

Art.Nr.	KG /100	
K1047	34	20

Kwikstrut U & Z Fittings K1044-HDG

Material : Steel S235 - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009

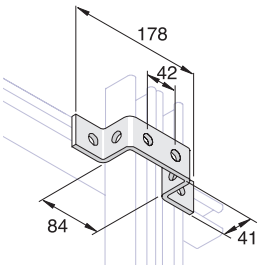


K1044-HDG

Art.Nr.	KG /100	
K1044	32	25

Kwikstrut U & Z Fittings K1043-HDG

Material : Steel S235 - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009

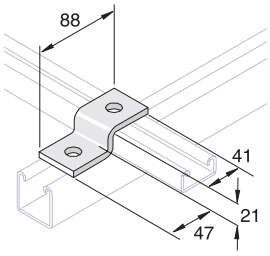


K1043-HDG

Art.Nr.	KG /100	
K1043	43	15

Kwikstrut U & Z Fittings K4045-HDG

Material : Steel S235 - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009



K4045-HDG

Art.Nr.	KG /100	
K4045	18.6	35

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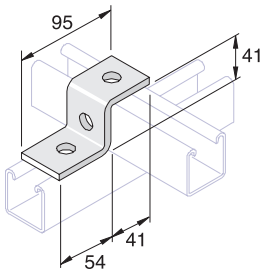
Kwikstrut U & Z Fittings K1045-HDG

Material : Steel S235 - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009

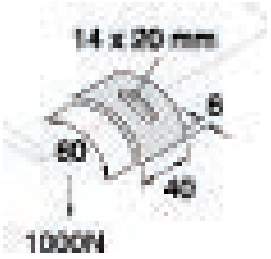


K1045-HDG

Art.Nr.	KG /100	
K1045	21.6	35

Kwikstrut Channel Beamclamps K711-HDG

Material : Steel DD11 - EN 10111
Finish : Delta Tone - Corrosion resistance - EN ISO 9227

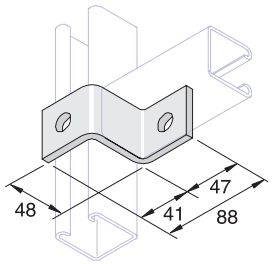


K711-HDG

Art.Nr.	Tinst Nm	KG /100	
K711	30	13.7	50

Kwikstrut U & Z Fittings K1347-HDG

Material : Steel S235 - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009

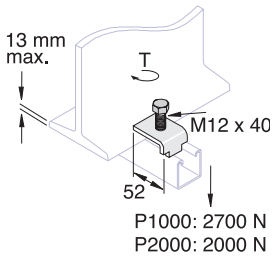


K1347-HDG

Art.Nr.	KG /100	
K1347	23.5	25

Kwikstrut Channel Beamclamps K1386-HDG

Material : Steel S235 - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009

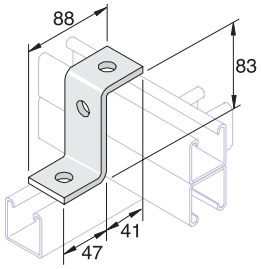


K1386-HDG

Art.Nr.	Tinst Nm	KG /100	
K1386	70	10.1	50

Kwikstrut U & Z Fittings K1453-HDG

Material : Steel S235 - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009

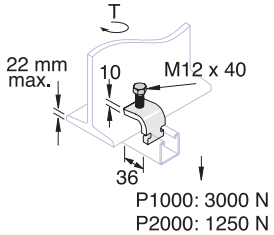


K1453-HDG

Art.Nr.	KG /100	
K1453	31.2	25

Kwikstrut Channel Beamclamps K2489-HDG

Material : Steel S235 - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009



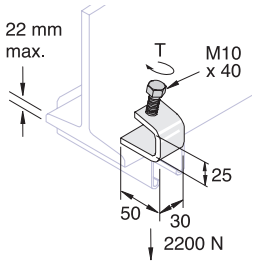
K2489-HDG

Art.Nr.	Tinst Nm	KG /100	
K2489	12	22	25

Medium & Heavy Duty Framing System

Kwikstrut Channel Beamclamps K1272-HDG

Material : Steel S235 - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009

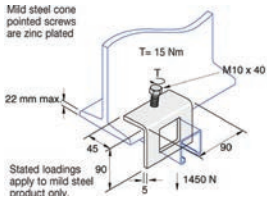


K1272-HDG

Art.Nr.	Tinst Nm	KG /100	
K1272	10	13.7	50

Kwikstrut Channel Beamclamps K1796-HDG

Material : Steel S235 - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009

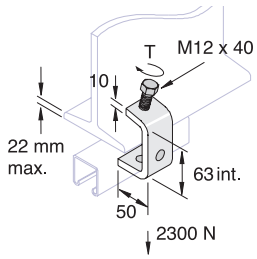


K1796-HDG

Art.Nr.	Tinst Nm	KG /100	
K1796	20	40	25

Kwikstrut Channel Beamclamps K1271-HDG

Material : Steel S235 - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009

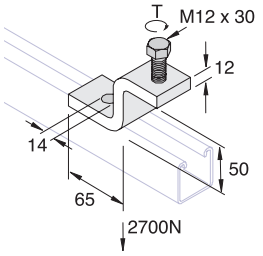


K1271-HDG

Art.Nr.	Tinst Nm	KG /100	
K1271	20	40	25

Kwikstrut Channel Beamclamps K1983-HDG

Material : Steel S235 - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009

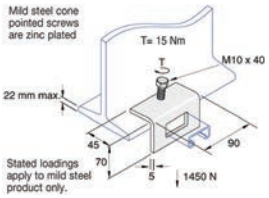


K1983-HDG

Art.Nr.	Tinst Nm	KG /100	
K1983	20	50.8	10

Kwikstrut Channel Beamclamps K1796-A-HDG

Material : Steel S235 - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009

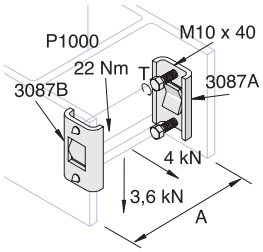


K1796-A-HDG

Art.Nr.	Tinst Nm	KG /100	
K1796-A	20	40	25

Kwikstrut Channel Beamclamps K3087-HDG

Material : Steel S235 - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009



K3087-HDG

Art.Nr.	Tinst Nm	KG /100	
K3087	22	67	10

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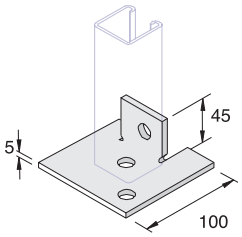
Kwikstrut Channel Base Fittings K2072-S2-HDG

Material : Steel S235 - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009

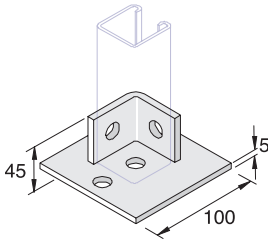


K2072-S2-HDG

Art.Nr.	KG /100	
K2072-S2	39.3	25

Kwikstrut Channel Base Fittings K2072-S1-HDG

Material : Steel S235 - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009

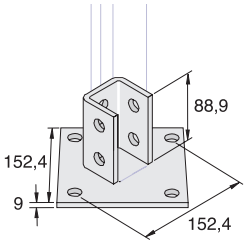


K2072-S1-HDG

Art.Nr.	KG /100	
K2072-S1	57.5	15

Kwikstrut Channel Base Fittings K2072A-HDG

Material : Steel S235 - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009

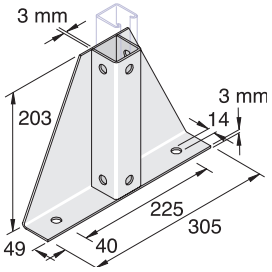


K2072A-HDG

Art.Nr.	KG /100	
K2072A	210	5

Kwikstrut Channel Base Fittings K2348-S1-HDG

Material : Steel S235 - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009

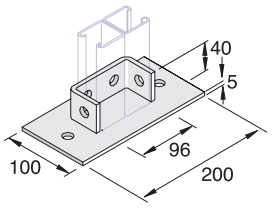


K2348-S1-HDG

Art.Nr.	KG /100	
K2348-S1	220.9	1

Kwikstrut Channel Base Fittings K2073-HDG

Material : Steel S235 - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009



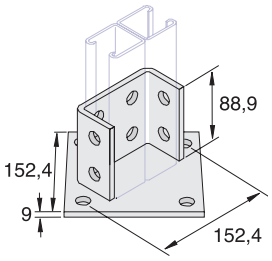
K2073-HDG

Art.Nr.	KG /100	
K2073	109.4	6

Medium & Heavy Duty Framing System

Kwikstrut Channel Base Fittings K2073A-HDG

Material : Steel S235 - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009

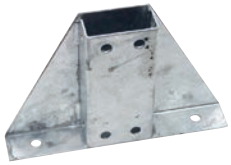


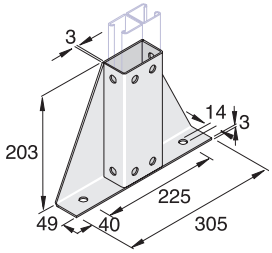
K2073A-HDG

Art.Nr.	KG /100	
K2073A	246	5

Kwikstrut Channel Base Fittings K2348-S2-HDG

Material : Steel S235 - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009



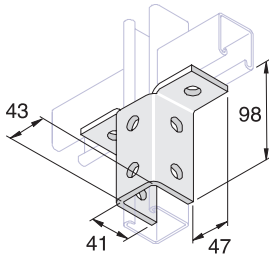


K2348-S2-HDG

Art.Nr.	KG /100	
K2348-S2	243.8	1

Kwikstrut Channel Base Fittings K2346-HDG

Material : Steel S235 - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009



K2346-HDG

Art.Nr.	KG /100	
K2346	66.2	10

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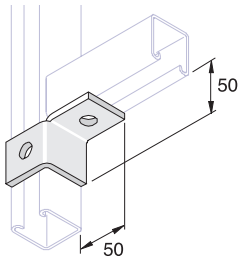
Kwikstrut Wing Fittings K2341R-HDG

Material : Steel S235 - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009

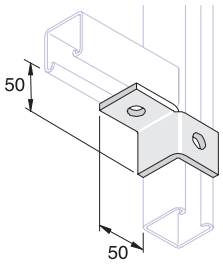


K2341R-HDG

Art.Nr.	KG /100	
K2341R	24	20

Kwikstrut Wing Fittings K2341L-HDG

Material : Steel S235 - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009

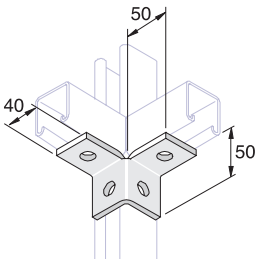


K2341L-HDG

Art.Nr.	KG /100	
K2341L	24	20

Kwikstrut Wing Fittings K2223-HDG

Material : Steel S235 - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009

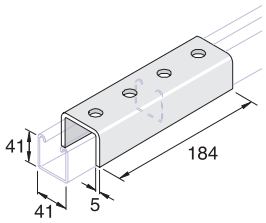


K2223-HDG

Art.Nr.	KG /100	
K2223	31.7	25

Kwikstrut Channel Couplers K1377-HDG

Material : Steel S235 - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009



K1377-HDG

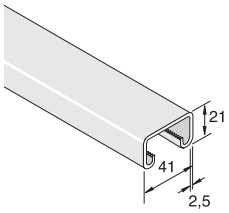
Art.Nr.	KG /100	
K1377	93.9	5

Medium & Heavy Duty Framing System

K3300-SS

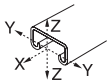
Kwikstrut singel channel K3300

Material : Stainless Steel - 1.4404 (316L;A4) - EN 10088-2



Art.Nr.	L mm		KG 1 pcs.
K3311146	6000	50	11.75

L(mm)	F σ=175 N/mm² δ Fmax(kN)	δ max(mm)	F σ=175 N/mm² δ Fmax(kN)	δ max(mm)	δ=1/200L F (kN)	δ=1/360L F (kN)	F(kN)
250	2.712	0.36	5.425	0.45	-	-	10.222
500	1.354	1.45	2.708	1.81	-	2.080	9.761
750	0.903	3.26	1.805	4.07	1.658	0.922	8.427
1000	0.677	5.79	1.354	7.24	0.932	0.520	6.769
1250	0.540	9.06	1.079	11.32	0.598	0.324	5.376
1500	0.451	13.04	0.903	16.30	0.412	0.226	4.287*
1750	0.387	17.75	0.775	22.19	0.304	-	3.463*
2000	0.338	23.19	0.677	28.99	0.226	-	-



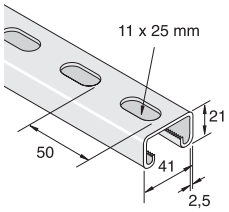
A = 2.32 cm²
/m = 1.96 kg/m
I y-y = 1.19 cm⁴
Z y-y = 0.97 cm³
r y-y = 0.71 cm
I z-z = 5.34 cm⁴
Z z-z = 2.59 cm³
r z-z = 1.51 cm

*k.L/r =>180 < 250

K3300T10-SS-304

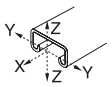
Kwikstrut single channel K3300T10-304

Material : Stainless Steel - 1.4301 - EN 10088-2



Art.Nr.	L mm		KG 1 pcs.
K3311393	3000		5.70
K3311396	6000		11.40

L(mm)	F σ=175 N/mm² δ Fmax(kN)	δ max(mm)	F σ=175 N/mm² δ Fmax(kN)	δ max(mm)	δ=1/200L F (kN)	δ=1/360L F (kN)	F(kN)
250	2.492	0.40	4.983	0.50	-	-	-
500	1.246	1.61	2.492	2.01	-	1.707	-
750	0.829	3.63	1.658	4.54	1.364	0.755	-
1000	0.623	6.46	1.246	8.07	0.765	0.422	-
1250	0.495	10.09	0.991	12.61	0.491	0.265	-
1500	0.412	14.54	0.824	18.17	0.334	-	-
1750	0.353	19.78	0.706	24.73	0.245	-	-
2000	0.309	25.84	0.618	32.30	-	-	-



A = 1.97 cm²
/m = 1.76 kg/m
I y-y = 0.98 cm⁴
Z y-y = 0.89 cm³
r y-y = 0.70 cm
I z-z = 5.29 cm⁴
Z z-z = 2.56 cm³
r z-z = 1.63 cm

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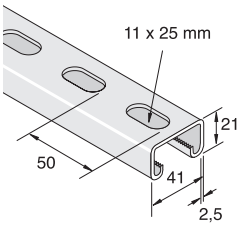
K3300T10-SS

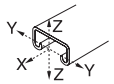
Kwikstrut single channel K3300T10

Material : Stainless Steel - 1.4404 - EN 10088-2



Art.Nr.	L mm		KG 1 pcs.
K3311343	3000	50	5.29
K3311346	6000	50	10.57

L(mm)	F δ σ=175 N/mm² Fmax(kN)	δmax(mm)	F δ σ=175 N/mm² Fmax(kN)	δmax(mm)	δ=1/200L F (kN)	δ=1/360L F (kN)	F(kN)
250	2.492	0.40	4.983	0.50	-	-	-
500	1.246	1.61	2.492	2.01	-	1.707	-
750	0.829	3.63	1.658	4.54	1.364	0.755	-
1000	0.623	6.46	1.246	8.07	0.765	0.422	-
1250	0.495	10.09	0.991	12.61	0.491	0.265	-
1500	0.412	14.54	0.824	18.17	0.334	-	-
1750	0.353	19.78	0.706	24.73	0.245	-	-
2000	0.309	25.84	0.618	32.30	-	-	-

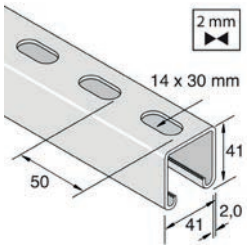


A = 1.97 cm²
/m = 1.76 kg/m
I y-y = 0.98 cm⁴
Z y-y = 0.89 cm³
r y-y = 0.70 cm
I z-z = 5.29 cm⁴
Z z-z = 2.56 cm³
r z-z = 1.63 cm

K1100T-SS

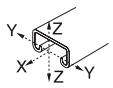
Kwikstrut single channel K1100T

Material : Stainless Steel - 1.4404 - EN 10088-2



Art.Nr.	L mm		KG 1 pcs.
K1111246	6000	50	13.00

L(mm)	F δ σ=175 N/mm² Fmax(kN)	fmax(mm)	F δ σ=175 N/mm² Fmax(kN)	fmax(mm)	δ=1/200L F (kN)	δ=1/360L F (kN)
250	6.000	0.17	12	0.22	-	-
500	2.995	0.7	5.99	0.87	-	-
750	1.990	1.57	3.98	1.96	-	-
1000	1.490	2.8	2.98	3.48	-	-
1250	1.185	4.36	2.37	5.42	-	-
1500	0.980	6.27	1.96	7.83	-	0.64
1750	0.840	8.6	1.68	10.69	-	0.465
2000	0.725	11.17	1.45	13.86	0.645	0.345
2250	0.645	14.27	1.29	17.59	0.500	0.265
2500	0.575	17.63	1.15	21.81	0.395	0.207

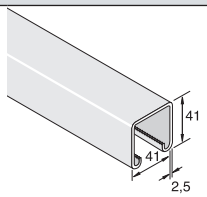


Weight: 2,16 kg/m
A: 2,51 cm²
Iy: 5,33 cm⁴
Iz: 9,17 cm⁴
Wy: 2,58 cm³
Wz: 4,44 cm³

K1000-SS

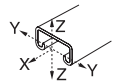
Kwikstrut single channel K1000

Material : Stainless Steel - 1.4404 - EN 10088-2



Art.Nr.	L mm		KG 1 pcs.
K1011146	6000	50	16.06

L(mm)	F δ σ=175 N/mm²		F δ σ=175 N/mm²		δ=1/200L	δ=1/360L	F(kN)
	Fmax(kN)	δmax(mm)	Fmax(kN)	δmax(mm)	F (kN)	F (kN)	
250	8.677	0.18	17.354	0.23	-	-	16.608
500	4.336	0.76	8.672	0.95	-	-	16.187
750	2.889	1.72	5.778	2.15	-	5.602	15.245
1000	2.168	3.06	4.336	3.82	-	3.149	13.685
1250	1.731	4.78	3.463	5.97	-	2.011	12.086
1500	1.442	6.88	2.884	8.60	2.521	1.393	10.722
1750	1.236	9.36	2.472	11.70	1.844	1.020	9.575
2000	1.084	12.23	2.168	15.29	1.413	0.785	8.623
2250	0.961	15.48	1.923	19.35	1.118	0.618	7.819
2500	0.863	19.11	1.727	23.89	0.903	0.500	7.112



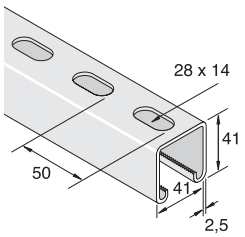
A = 3.35 cm²
/m = 2.68 kg/m
I y-y = 7.21 cm⁴
Z y-y = 3.10 cm³
r y-y = 1.46 cm
I z-z = 9.23 cm⁴
Z z-z = 4.47 cm³
r z-z = 1.66 cm

*k.L/r =>180 < 250

K1000T-SS-304

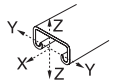
Kwikstrut single channel K1000T-304

Material : Stainless Steel - 1.4301 - EN 10088-2



Art.Nr.	L mm		KG 1 pcs.
K1011293	3000	50	7.95
K1011296	6000	50	15.90

L(mm)	F δ σ=175 N/mm²		F δ σ=175 N/mm²		δ=1/200L	δ=1/360L	F(kN)
	Fmax(kN)	δmax(mm)	Fmax(kN)	δmax(mm)	F (kN)	F (kN)	
250	8.034	0.22	16.069	0.27	-	-	16.283
500	4.017	0.84	8.034	1.05	-	-	16.039
750	2.678	1.88	5.356	2.35	-	4.738	15.274
1000	2.006	3.34	4.012	4.18	-	2.659	13.626
1250	1.604	5.23	3.208	6.54	3.071	1.707	11.880
1500	1.339	7.53	2.678	9.41	2.129	1.177	10.418
1750	1.148	10.25	2.296	12.81	1.560	0.863	9.231
2000	1.001	13.38	2.001	16.73	1.197	0.657	8.270
2250	0.893	16.94	1.785	21.18	0.942	0.520	7.465
2500	0.800	20.92	1.599	26.15	0.765	0.422	6.779



A = 3.00 cm²
/m = 2.48 kg/m
I y-y = 6.10 cm⁴
Z y-y = 2.87 cm³
r y-y = 1.42 cm
I z-z = 9.17 cm⁴
Z z-z = 4.44 cm³
r z-z = 1.74 cm

*k.L/r =>180 < 250

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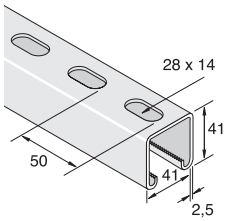
K1000T-SS

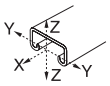
Kwikstrut single channel K1000T

Material : Stainless Steel - 1.4404 - EN 10088-2



Art.Nr.	L mm		KG 1 pcs.
K1011243	3000	50	7.45
K1011246	6000	50	14.89

L(mm)	F δ Fmax(kN)	δ max(mm)	F δ σ=175 N/mm² Fmax(kN)	δ max(mm)	δ=1/200L F (kN)	δ=1/360L F (kN)	F(kN)
250	8.034	0.22	16.069	0.27	-	-	16.283
500	4.017	0.84	8.034	1.05	-	-	16.039
750	2.678	1.88	5.356	2.35	-	4.738	15.274
1000	2.006	3.34	4.012	4.18	-	2.659	13.626
1250	1.604	5.23	3.208	6.54	3.071	1.707	11.880
1500	1.339	7.53	2.678	9.41	2.129	1.177	10.418
1750	1.148	10.25	2.296	12.81	1.560	0.863	9.231
2000	1.001	13.38	2.001	16.73	1.197	0.657	8.270
2250	0.893	16.94	1.785	21.18	0.942	0.520	7.465
2500	0.800	20.92	1.599	26.15	0.765	0.422	6.779



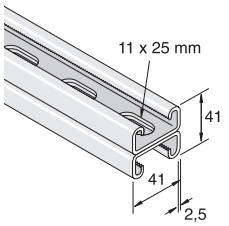
A = 3.00 cm²
/m = 2.48 kg/m
I y-y = 6.10 cm⁴
Z y-y = 2.87 cm³
r y-y = 1.42 cm
I z-z = 9.17 cm⁴
Z z-z = 4.44 cm³
r z-z = 1.74 cm

*k.L/r =>180 < 250

K3301T10-SS

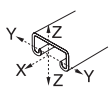
Kwikstrut Double Channel K3301T10

Material : Stainless Steel - 1.4404 - EN 10088-2



Art.Nr.	L mm		KG /100
K3321346	6000	25	21.19

L(mm)	F δ Fmax(kN)	δ max(mm)	F δ σ=175 N/mm² Fmax(kN)	δ max(mm)	δ=1/200L F (kN)	δ=1/360L F (kN)	F(kN)
750	2.536	1.94	5.072	2.42	-	4.365	16.599
1000	1.903	3.44	3.806	4.30	-	2.453	15.667
1250	1.521	5.38	3.041	6.72	2.825	1.570	14.156
1500	1.265	7.74	2.531	9.68	1.962	1.089	12.478
1750	1.084	10.54	2.168	13.18	1.442	0.795	10.899
2000	0.952	13.77	1.903	17.21	1.099	0.608	9.496
2250	0.844	17.42	1.687	21.78	0.873	0.481	8.289*
2500	0.760	21.49	1.521	26.86	0.706	0.392	7.250*
2750	0.692	26.03	1.383	32.54	0.579	0.324	6.377*
3000	0.633	30.98	1.265	38.73	0.491	0.265	-



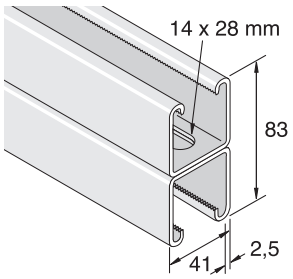
A = 3.94 cm²
/m = 3.53 kg/m
I y-y = 5.62 cm⁴
Z y-y = 2.72 cm³
r y-y = 1.19 cm
I z-z = 10.58 cm⁴
Z z-z = 5.12 cm³
r z-z = 1.63 cm

*k.L/r =>180 < 250

K1001T-SS-304

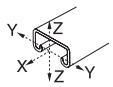
Kwikstrut Double Channel K1001T-304

Material : Stainless Steel - 1.4301 - EN 10088-2



Art.Nr.	L mm		KG 1 pcs.
K1021296	6000	25	29.78

L(mm)	F σ=175 N/mm² δ Fmax(kN)	δmax(mm)	F σ=175 N/mm² δ Fmax(kN)	δmax(mm)	δ=1/200L F (kN)	δ=1/360L F (kN)	F(kN)
750	8.182	0.97	16.363	1.21	-	-	27.027
1000	6.136	1.72	12.272	2.15	-	-	26.585
1250	4.910	2.69	9.820	3.36	-	-	25.830
1500	4.091	3.87	8.182	4.84	-	7.034	24.584
1750	3.057	5.27	7.014	6.59	-	5.170	22.906
2000	3.066	6.89	6.131	8.61	-	3.953	21.042
2250	2.727	8.72	5.454	10.90	-	3.120	19.198
2500	2.453	10.77	4.905	13.46	4.552	2.531	17.452
2750	2.232	13.02	4.464	16.28	3.767	2.090	15.852
3000	2.045	15.50	4.091	19.38	3.159	1.756	14.391*



A = 6.00 cm²
/m = 4.96 kg/m
I y-y = 36.21 cm⁴
Z y-y = 8.77 cm³
r y-y = 2.45 cm
I z-z = 18.34 cm⁴
Z z-z = 8.88 cm³
r z-z = 1.74 cm

*k.L/r =>180 < 250

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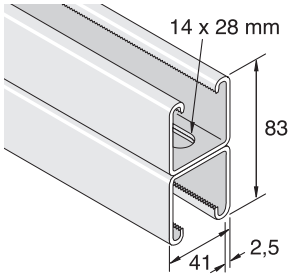
K1001T-SS

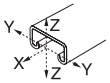
Kwikstrut Double Channel K1001T

Material : Stainless Steel - 1.4404 - EN 10088-2



Art.Nr.	L mm		KG 1 pcs.
K1021246	6000	25	29.78

L(mm)	F δ σ=175 N/mm² Fmax(kN)	 δmax(mm)	F δ σ=175 N/mm² Fmax(kN)	 δmax(mm)	δ=1/200L F (kN)	δ=1/360L F (kN)	F(kN)
750	8.182	0.97	16.363	1.21	-	-	27.027
1000	6.136	1.72	12.272	2.15	-	-	26.585
1250	4.910	2.69	9.820	3.36	-	-	25.830
1500	4.091	3.87	8.182	4.84	-	7.034	24.584
1750	3.057	5.27	7.014	6.59	-	5.170	22.906
2000	3.066	6.89	6.131	8.61	-	3.953	21.042
2250	2.727	8.72	5.454	10.90	-	3.120	19.198
2500	2.453	10.77	4.905	13.46	4.552	2.531	17.452
2750	2.232	13.02	4.464	16.28	3.767	2.090	15.852
3000	2.045	15.50	4.091	19.38	3.159	1.756	14.391*



A = 6.00 cm²
/m = 4.96 kg/m
I y-y = 36.21 cm⁴
Z y-y = 8.77 cm³
r y-y = 2.45 cm
I z-z = 18.34 cm⁴
Z z-z = 8.88 cm³
r z-z = 1.74 cm

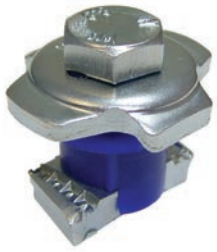
*k.L/r =>180 < 250

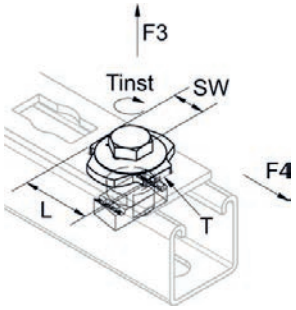
Medium & Heavy Duty Framing System

QFNH-SS

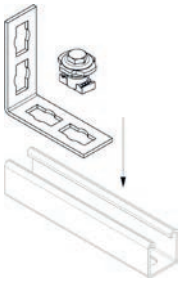
Kwikstrut Q Uni lock channel nut - QFNH-SS

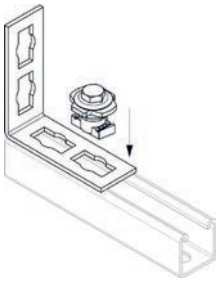
Material : Stainless Steel 1.4404 - EN 10088-2005; Plastic part PP

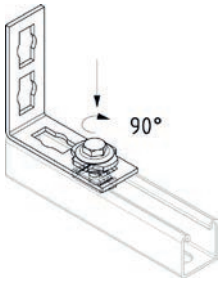


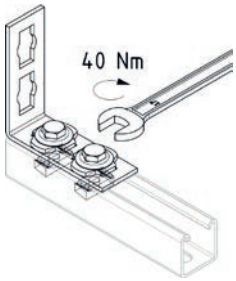


Art.Nr.	G	L mm	T mm	F3 kN	F4 kN	Tinst Nm	SW mm	KG /100	
1351118	M10	40	4	4	3	40	17	8	50





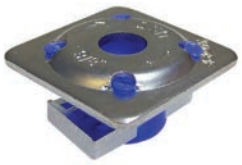


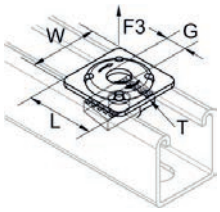


QRN-SS

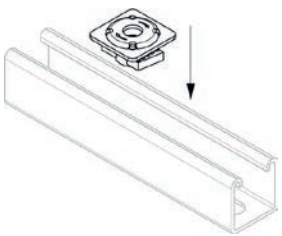
Kwikstrut Q channel nut with square washer - QRN-SS

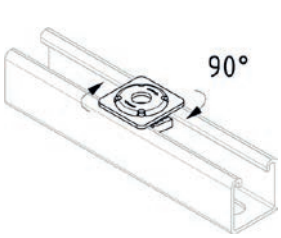
Material : Stainless Steel 1.4404 - EN 10088-2005; Plastic part PP

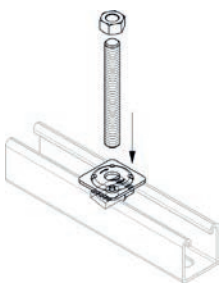


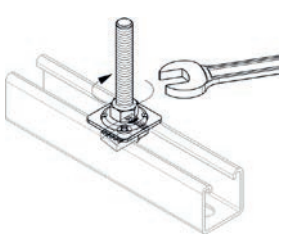


Art.Nr.	G	L mm	W mm	T mm	F3 kN	Tinst Nm	KG /100	
1352621	M6	40	40	2.5	5	5	6.4	50
1352822	M8	40	40	2.5	5	10	6.0	50
1352021	M10	40	40	2.5	5	15	5.9	50
1352221	M12	40	40	2.5	5	30	5.3	50









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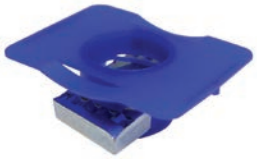
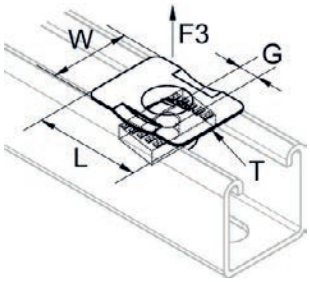
QCN-SS

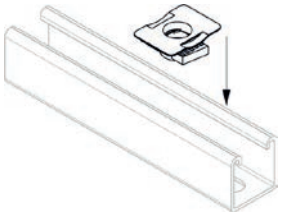
Kwikstrut Q channel nut with plastic washer - QCN-SS

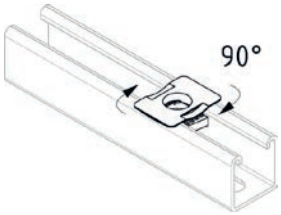
Material : Stainless Steel 1.4404 - EN 10088-2005; Plastic part PP

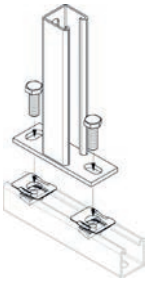


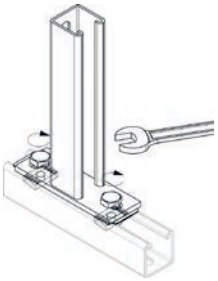


Art.Nr.	G	L mm	W mm	T mm	F3 kN	KG /100	
1351632	M6	45	34	0.8	5	3.0	50
1351832	M8	45	34	0.8	5	2.9	50
1351032	M10	45	34	0.8	5	2.8	50
1351232	M12	45	34	0.8	5	2.6	50



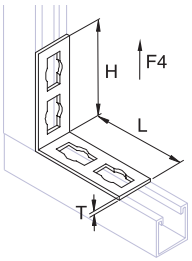






Kwikstrut Q flat angle fitting 90° - QFFA-SS

Material : Stainless Steel 1.4404 - EN 10088-2005

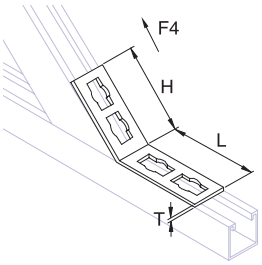


QFFA-SS

Art.Nr.	L mm	H mm	T mm	F4 kN	Nut qty	KG /100	
1359035	65	110	4	3	3	14.5	25
1359045	110	110	4	5	4	18.3	25

Kwikstrut Q flat angle fitting 135° - QFFA 135-SS

Material : Stainless Steel 1.4404 - EN 10088-2005



QFFA 135-SS

Art.Nr.	L mm	H mm	T mm	F4 kN	Nut qty	KG /100	
1353545	110	110	4	5	4	18.3	25

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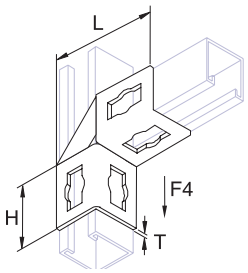
Kwikstrut Q angle fitting 90° - QFAZ-SS

Material : Stainless Steel 1.4404 - EN 10088-2005

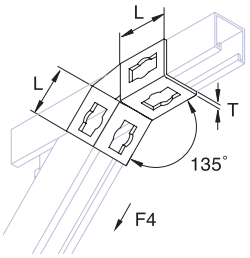


QFAZ-SS

Art.Nr.	L mm	H mm	T mm	F4 kN	Nut qty	KG /100	
1359055	103	58	4	3	2	25.2	10
1359065	150	106	4	5	4	41.7	10

Kwikstrut Q angle fitting 135° - QFA 135-SS

Material : Stainless Steel 1.4404 - EN 10088-2005



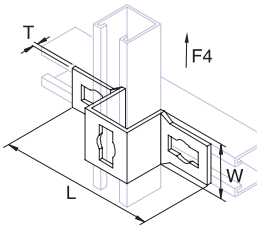
QFA 135-SS

Art.Nr.	L mm	T mm	F4 kN	Nut qty	KG /100	
1353565	103	4	5	4	39.7	10

Medium & Heavy Duty Framing System

Kwikstrut Q U shaped fitting - QFU-SS

Material : Stainless Steel 1.4404 - EN 10088-2005

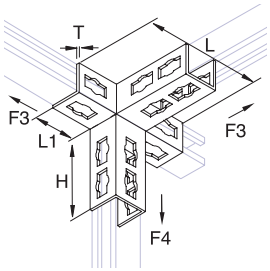


QFU-SS

Art.Nr.	L mm	W mm	T mm	F4 kN	Nut qty	KG /100	
1354138	162	52	4	3	3	27.8	25

Kwikstrut Q 4 way cross fitting - QFCD-SS

Material : Stainless Steel 1.4404 - EN 10088-2005

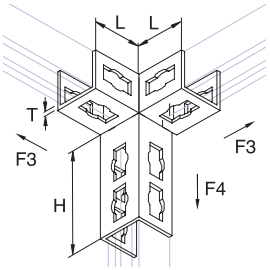


QFCD-SS

Art.Nr.	L mm	H mm	T mm	F3 kN	F4 kN	Nut qty	KG /100	
1354179	175	108	4	3	5	6	97.4	10

Kwikstrut Q 3 way cross fitting - QFCL-QFCR-SS

Material : Stainless Steel 1.4404 - EN 10088-2005



QFCL-QFCR-SS

Art.Nr.	L mm	H mm	T mm	F3 kN	F4 kN	Nut qty	KG /100	
1354113	62	107	4	3	5	4	67.8	10
1354114	62	107	4	3	5	4	67.8	10

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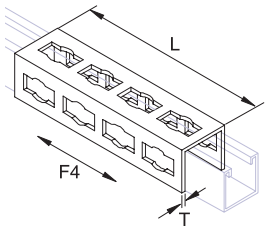
Kwikstrut Q channel coupler - QFDC-SS

Material : Stainless Steel 1.4404 - EN 10088-2005



QFDC-SS

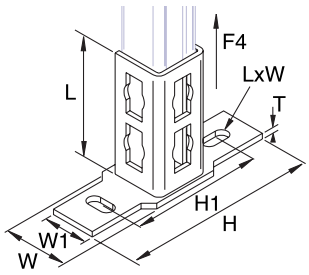
Art.Nr.	L mm	T mm	F4 kN	Nut qty	KG /100	
1354148	193	4	5	4	53	10

Medium & Heavy Duty Framing System

QBS-SS

Kwikstrut Q channel base fitting QBS-SS

Material : Stainless Steel 1.4404 - EN 10088-2005

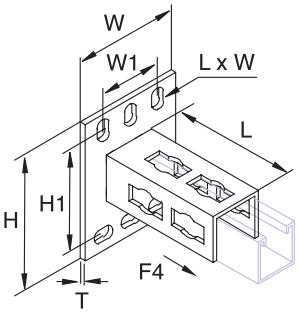


Art.Nr.	L mm	W mm	W1 mm	H mm	H1 mm	T mm	LxW mm	F4 kN	Nut qty	KG /100	
1354159	108	56	40	175	118	5	13x25	5	4	77	10

QB41-SS

Kwikstrut Q channel base fitting QB41-SS

Material : Stainless Steel 1.4404 - EN 10088-2005



Art.Nr.	L mm	W mm	W1 mm	H mm	H1 mm	T mm	LxW mm	F4 kN	Nut qty	KG /100	
1354158	108	100	62	130	100	5	13x25	5	2	75.2	10

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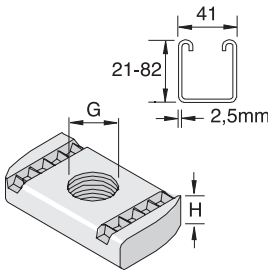
Channel Nuts

Material : Stainless Steel 316

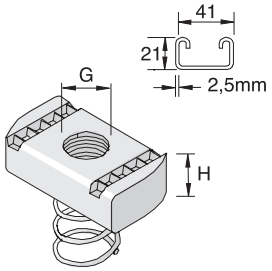


PNP-SS

Art.Nr.	G	H mm	KG /100	
PNP06SS	M6	6.5	2.8	100
PNP08SS	M8	8	2.9	100
PNP10SS	M10	9	3.8	100
PNP12ASS	M12	9	3.8	100
PNP16SS	M16	12	10	100

Channel Nuts short spring

Material : Stainless Steel 316

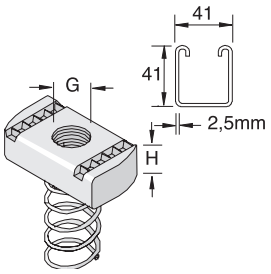


PNS-SS

Art.Nr.	G	H mm	KG /100	
PNS06SS	M6	6.5	2.8	100
PNS08SS	M8	8	2.9	100
PNS10SS	M10	9	3.8	100

Channel Nuts long spring

Material : Stainless Steel 316

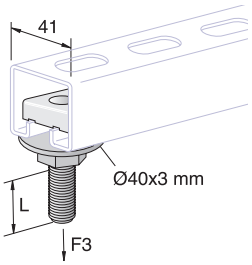


PNL-SS

Art.Nr.	G	H mm	KG /100	
PNL06SS	M6	6.5	2.8	100
PNL08SS	M8	8	2.9	100
PNL10SS	M10	9	42	100
PNL12ASS	M12	9	40	100

Stud Nuts SN-SS

Material : Stainless Steel 316

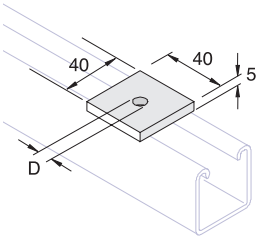


SN-SS

Art.Nr.	G	L mm	KG /100	
M8X40SNSS	M8	25.5	9.4	50
M10X40SNSS	M10	23	9.6	50
M12X40SNSS	M12	21	11.7	50

Kwikstrut Flat Fittings K1062-SS

Material : Stainless Steel - 1.4404 - EN 10088-2

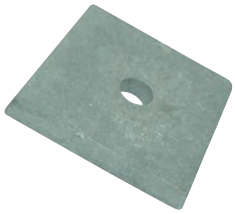


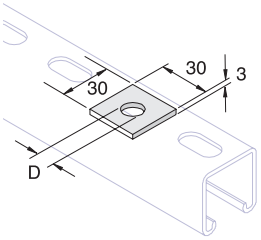
K1062-SS

Art.Nr.	G	KG /100	
K1019SS	M6 & M8	7.2	100
K1020SS	M10 & M12	6.5	100

Kwikstrut Flat Fittings K1063-SS

Material : Stainless Steel - 1.4404 - EN 10088-2



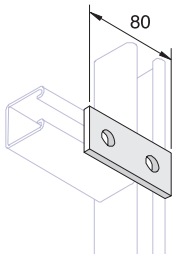


K1063-SS

Art.Nr.	G	KG /100	
K1063/10SS	M10	1.3	100

Kwikstrut Flat Fittings K1065-SS

Material : Stainless Steel - 1.4404 - EN 10088-2

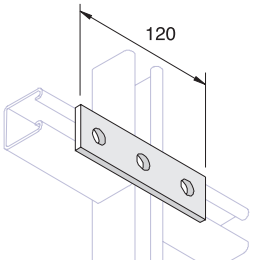


K1065-SS

Art.Nr.	KG /100	
K1065SS	16.3	50

Kwikstrut Flat Fittings K1066-SS

Material : Stainless Steel - 1.4404 - EN 10088-2

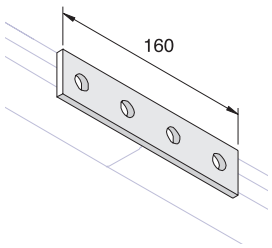


K1066-SS

Art.Nr.	KG /100	
K1066SS	24.5	25

Kwikstrut Flat Fittings K1067-SS

Material : Stainless Steel - 1.4404 - EN 10088-2



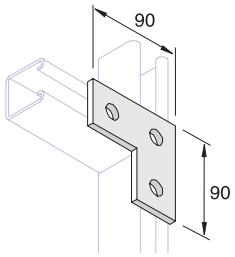
K1067-SS

Art.Nr.	KG /100	
K1067SS	31.7	25

Medium & Heavy Duty Framing System

Kwikstrut Flat Fittings K1036-SS

Material : Stainless Steel - 1.4404 - EN 10088-2

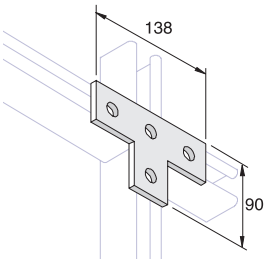


K1036-SS

Art.Nr.	KG /100	
K1036SS	25.5	35

Kwikstrut Flat Fittings K1031-SS

Material : Stainless Steel - 1.4404 - EN 10088-2

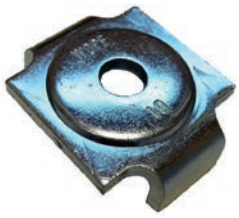


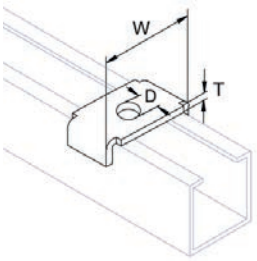
K1031-SS

Art.Nr.	KG /100	
K1031SS	34	25

Kwikstrut U Shaped Washer for 41 mm width channel

Material : Stainless Steel 1.4404 - EN 10088-2005





H41-SS

Art.Nr.	D mm	W mm	T mm	Tinst Nm	KG /100	
1354260	10.5	50	4	45	6.1	100

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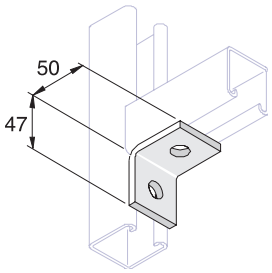
Kwikstrut Angle Fittings 90° - K1026-SS

Material : Stainless Steel - 1.4404 - EN 10088-2

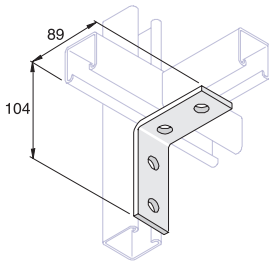


K1026-SS

Art.Nr.	H mm	L mm	KG /100	
K1026SS	47	50	15	50

Kwikstrut Angle Fittings 90° - K1325-SS

Material : Stainless Steel - 1.4404 - EN 10088-2

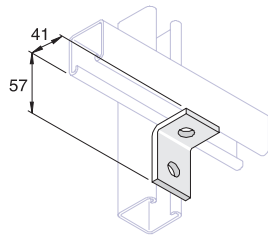


K1325-SS

Art.Nr.	H mm	L mm	KG /100	
K1325SS	104	89	32.3	25

Kwikstrut Angle Fittings 90° - K1068-SS

Material : Stainless Steel - 1.4404 - EN 10088-2

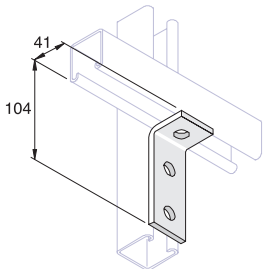


K1068-SS

Art.Nr.	F1 kN	KG /100	
K1068SS	3.5	15	50

Kwikstrut Angle Fittings 90° - K1326-SS

Material : Stainless Steel - 1.4404 - EN 10088-2

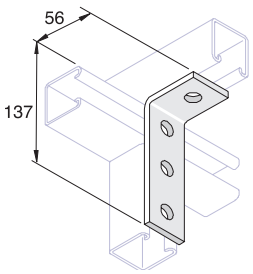


K1326-SS

Art.Nr.	F1 kN	KG /100	
K1326SS	3.5	24.5	35

Kwikstrut Angle Fittings 90° - K1278-SS

Material : Stainless Steel - 1.4404 - EN 10088-2

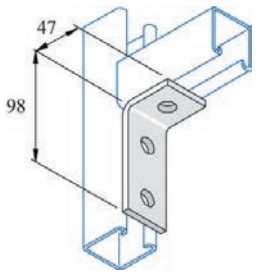


K1278-SS

Art.Nr.	H mm	L mm	KG /100	
K1278SS	137	56	31.7	30

Kwikstrut Angle Fittings 90° - K1346-SS

Material : Stainless Steel - 1.4404 - EN 10088-2



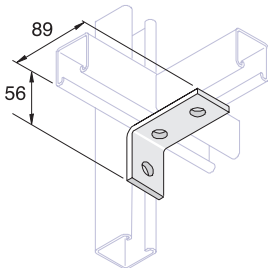
K1346-SS

Art.Nr.	F1 kN	KG /100	
K1346SS	9.1	24.5	35

Medium & Heavy Duty Framing System

Kwikstrut Angle Fittings 90° - K1458-SS

Material : Stainless Steel - 1.4404 - EN 10088-2

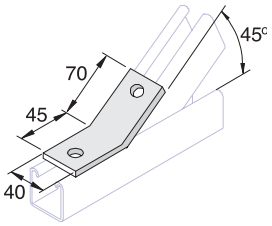


K1458-SS

Art.Nr.	H mm	L mm	KG /100	
K1458SS	56	89	24.5	35

Kwikstrut Special Angle Fittings K1546-SS

Material : Stainless Steel - 1.4404 - EN 10088-2

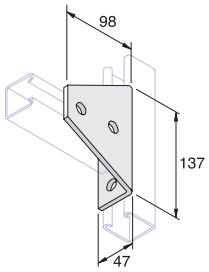


K1546-SS

Art.Nr.	KG /100	
K1546SS	25.7	20

Kwikstrut Angle Fittings 90° - K1727-SS

Material : Stainless Steel - 1.4404 - EN 10088-2

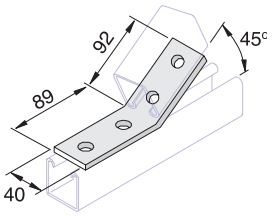


K1727-SS

Art.Nr.	KG /100	
K1727SS	35	10

Kwikstrut Special Angle Fittings K1074-SS

Material : Stainless Steel - 1.4404 - EN 10088-2

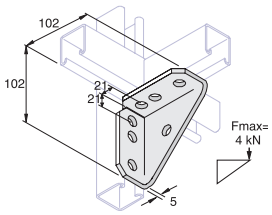


K1074-SS

Art.Nr.	KG /100	
K1074SS	31.7	25

Kwikstrut Angle Fittings 90° - K2484-SS

Material : Stainless Steel - 1.4404 - EN 10088-2

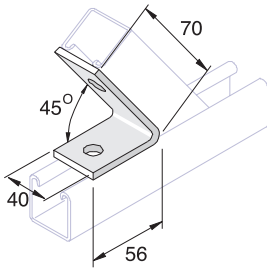


K2484-SS

Art.Nr.	F1 kN	KG /100	
K2484SS	4	48.6	15

Kwikstrut Special Angle Fittings K1186-SS

Material : Stainless Steel - 1.4404 - EN 10088-2



K1186-SS

Art.Nr.	KG /100	
K1186SS	25.1	25

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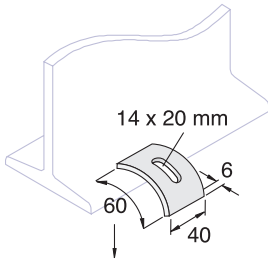
Kwikstrut Channel Beamclamps K711-SS

Material : Stainless Steel - 1.4401 - EN 10088-2

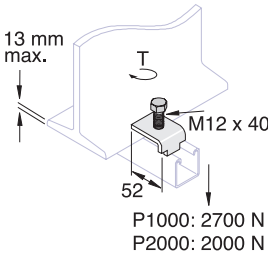


K711-SS

Art.Nr.	KG /100	
K711SS	10	50

Kwikstrut Channel Beamclamps K1386-SS

Material : Stainless Steel - 1.4404 - EN 10088-2

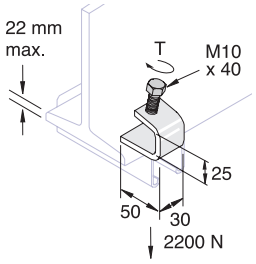


K1386-SS

Art.Nr.	Tinst Nm	KG /100	
K1386SS	70	10.3	50

Kwikstrut Channel Beamclamps K1272-SS

Material : Stainless Steel - 1.4404 - EN 10088-2

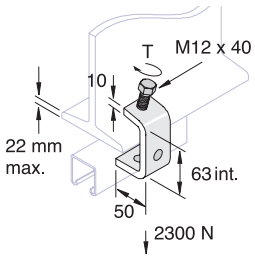


K1272-SS

Art.Nr.	Tinst Nm	KG /100	
K1272SS	10	18.7	50

Kwikstrut Channel Beamclamps K1271-SS

Material : Stainless Steel - 1.4404 - EN 10088-2

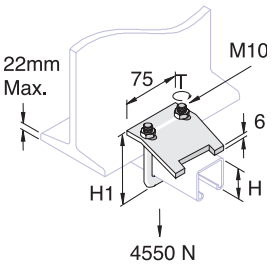


K1271-SS

Art.Nr.	Tinst Nm	KG /100	
K1271SS	20	47.7	25

Kwikstrut channel beamclamp K2785-86-SS

Material : Stainless Steel - 1.4404 - EN 10088-2



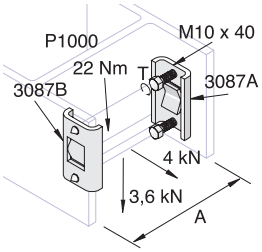
K2785-86-SS

Art.Nr.	H mm	H1 mm	Tinst Nm	KG /100	
K2785SS	21-41	86	22	25.7	25
K2786SS	62-83	127	22	25.7	20

Medium & Heavy Duty Framing System

Kwikstrut Channel Beamclamps K3087-SS

Material : Stainless Steel - 1.4404 - EN 10088-2

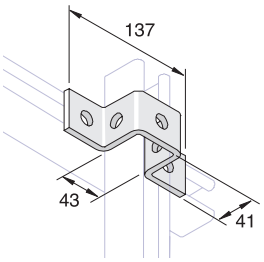


K3087-SS

Art.Nr.	Tinst Nm	KG /100	
K3087SS	22	67	10

Kwikstrut U & Z Fittings K1047-SS

Material : Stainless Steel - 1.4404 - EN 10088-2

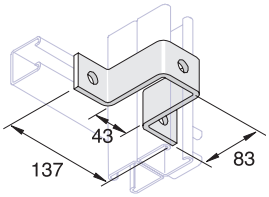


K1047-SS

Art.Nr.	KG /100	
K1047SS	34	20

Kwikstrut U & Z Fittings K1737-SS

Material : Stainless Steel - 1.4404 - EN 10088-2

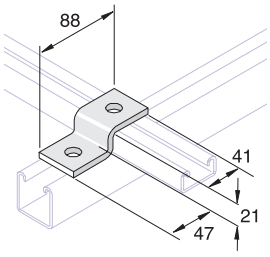


K1737-SS

Art.Nr.	KG /100	
K1737SS	55.8	15

Kwikstrut U & Z Fittings K4045-SS

Material : Stainless Steel - 1.4404 - EN 10088-2

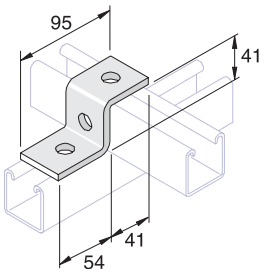


K4045-SS

Art.Nr.	KG /100	
K4045SS	19	35

Kwikstrut U & Z Fittings K1045-SS

Material : Stainless Steel - 1.4404 - EN 10088-2

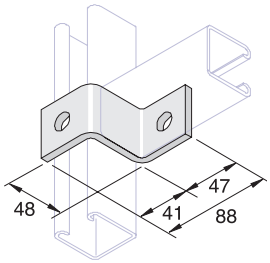


K1045-SS

Art.Nr.	KG /100	
K1045SS	25.5	35

Kwikstrut U & Z Fittings K1347-SS

Material : Stainless Steel - 1.4404 - EN 10088-2



K1347-SS

Art.Nr.	KG /100	
K1347SS	24	25

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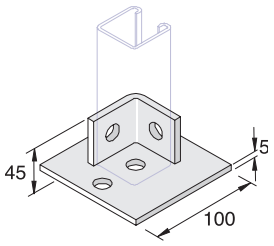
Kwikstrut Channel Base Fittings K2072-S1-SS

Material : Stainless steel - 1.4404 (316L ; A4) - EN 10088-2

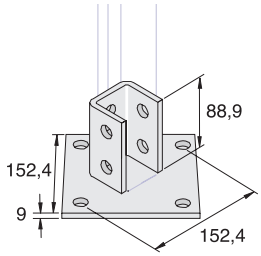


K2072-S1-SS

Art.Nr.	KG /100	
K2072S1SSP	53.2	15

Kwikstrut Channel Base Fittings K2072A-SS

Material : Stainless Steel - 1.4404 - EN 10088-2

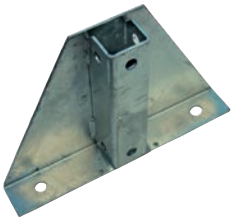


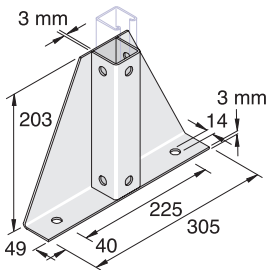
K2072A-SS

Art.Nr.	KG /100	
K2072ASSP	242.6	5

Kwikstrut Channel Base Fittings K2348-S1-SS

Material : Stainless steel - 1.4404 (316L ; A4) - EN 10088-2



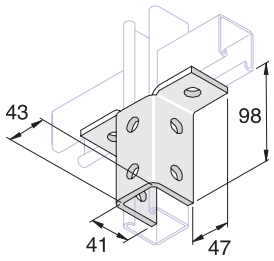


K2348-S1-SS

Art.Nr.	KG /100	
K2348S1SSP	326	1

Kwikstrut Channel Base Fittings K2346-SS

Material : Stainless Steel - 1.4404 - EN 10088-2

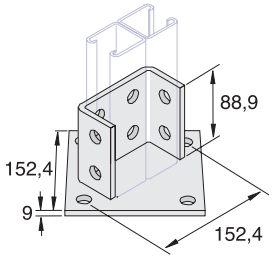


K2346-SS

Art.Nr.	KG /100	
K2346SS	71.5	10

Kwikstrut Channel Base Fittings K2073A-SS

Material : Stainless Steel - 1.4404 - EN 10088-2

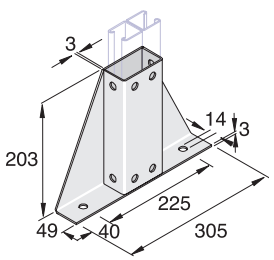


K2073A-SS

Art.Nr.	KG /100	
K2073ASSP	229.7	5

Kwikstrut Channel Base Fittings K2348-S2-SS

Material : Stainless steel - 1.4404 (316L ; A4) - EN 10088-2



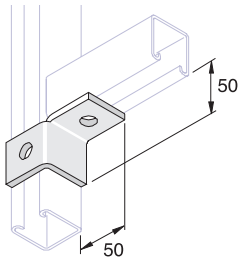
K2348-S2-SS

Art.Nr.	KG /100	
K2348S2SSP	381.2	1

Medium & Heavy Duty Framing System

Kwikstrut Wing Fittings K2341R-SS

Material : Stainless Steel - 1.4404 - EN 10088-2

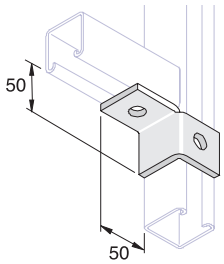


K2341R-SS

Art.Nr.	KG /100	
K2341RSS	24.5	20

Kwikstrut Wing Fittings K2341L-SS

Material : Stainless Steel - 1.4404 - EN 10088-2

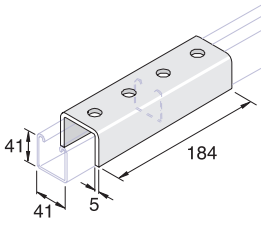


K2341L-SS

Art.Nr.	KG /100	
K2341LSS	24.5	20

Kwikstrut Channel Couplers K1377-SS

Material : Stainless Steel - 1.4404 - EN 10088-2



K1377-SS

Art.Nr.	KG /100	
K1377SS	91.2	5

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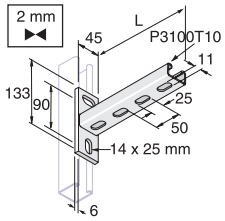
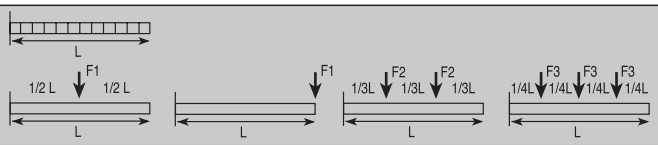
K2774T10

Kwikstrut Cantilever arm 41x21x2.0mm K2774T

Material : Backplate: Steel DD11 - EN 10111; Channel: Steel S275JR - EN 10025
Finish : Electro zinc plated - EN ISO 19598



Art.Nr.	L mm		KG /100
K2774T3005	300	1	70.4
K2774T4505	450	1	93.5
K2774T1505	150	1	47.3

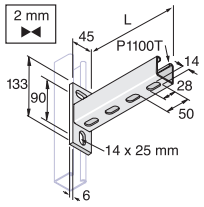


Art.nr.	kg	L (mm)				
K2774T3005	0,70	300	1.00 kN	0.50 kN	0.50 kN	0.33 kN
K2774T4505	0,94	450	0.67 kN	0.33 kN	0.33 kN	0.22 kN

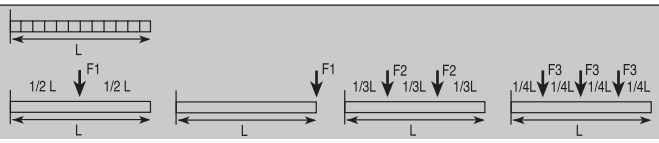
K2773T

Kwikstrut Cantilever arm 41x41x2.0mm K2773T

Material : Backplate: Steel DD11 - EN 10111; Channel: Steel S275JR - EN 10025
Finish : Electro zinc plated - EN ISO 19598



Art.Nr.	L mm		KG /100
K2773T3005	300	1	100.8
K2773T4505	450	1	110
K2773T1505	150	1	64.3
K2773T6005	600	1	140



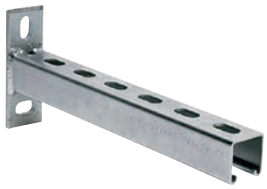
Art.nr.	kg	L (mm)				
K2773T1505	0,64	150	4,83 kN	2,41 kN	2,41 kN	1,61 kN
K2773T3005	1,01	300	2,41 kN	1,21 kN	1,21 kN	0,80 kN
K2773T4505	1,37	450	1,61 kN	0,80 kN	0,80 kN	0,54 kN
K2773T6005	1,73	600	1,21 kN	0,60 kN	0,60 kN	0,40 kN

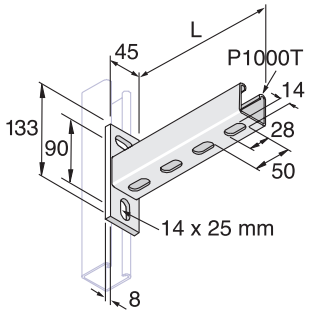
Cantilever Arms & Angle Brackets

K2663T

Kwikstrut cantilever arm 41x41x2.5mm

Material : Backplate: Steel DD11 - EN 10111; Channel: Steel S275JR - EN 10025
Finish : Electro zinc plated - EN ISO 19598





Art.Nr.	L mm		KG /100
K2663T1505	150	10	78.6
K2663T3005	300	1	117.8
K2663T4505	450	1	160.7
K2663T6005	600	1	203.3
K2663T7505	750	1	253
K2663T10005	1000	1	335.8

Art.nr.	P	kg	L (mm)	L 1/2 L F1 1/2 L	F1	F2 1/3L F2 1/3L F2 1/3L	F3 1/4L F3 1/4L F3 1/4L F3 1/4L
K2663T1505	5	0,79	150	6.12 kN	3.06 kN	3.06 kN	2.04 kN
K2663T3005	5	1,18	300	3.06 kN	1.53 kN	1.53 kN	1.02 kN
K2663T4505	5	1,61	450	2.04 kN	1.02 kN	1.02 kN	0.68 kN
K2663T6005	5	2,03	600	1.53 kN	0.76 kN	0.76 kN	0.50 kN
K2663T7505	5	2,53	750	1.22 kN	0.61 kN	0.61 kN	0.40 kN
K2663T10005	5	3,36	1000	0.98 kN	0.37 kN	0.49 kN	0.32 kN

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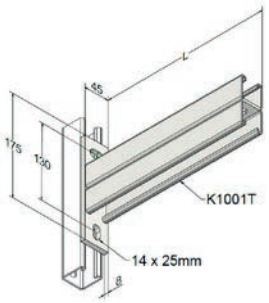
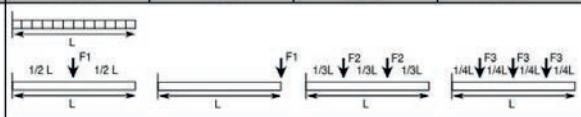
K2665T

Kwikstrut cantilever arm 82x41x2.5mm

Material : Backplate: Steel DD11 - EN 10111; Channel: Steel S275JR - EN 10025
Finish : Electro zinc plated - EN ISO 19598



Art.Nr.	L mm		KG /100
K2665T3005	300	1	117.8
K2665T4505	450	1	160.7
K2665T6005	600	1	203.3
K2665T7505	750	1	253
K2665T10005	1000	1	335.8

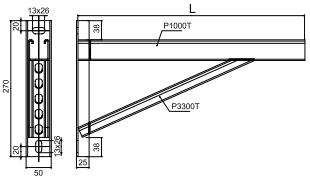
Article-Nummer	L mm	F1 L/2 kN	F1 L kN	F2 1/3L kN	F3 1/4L kN
					
K2665T3005	300	6.47	3.23	3.23	2.15
K2665T4505	450	4.31	2.15	2.15	1.43
K2665T6005	600	3.23	1.61	1.61	1.07
K2665T7505	750	2.58	1.29	1.29	0.86
K2665T10005	1000	1.94	0.96	0.96	0.64

Cantilever Arms & Angle Brackets

K2700T

Kwikstrut Cantilever arm with bracing

Material : Backplate: S235JRG - EN 10277; Channel: Steel S275JR - EN 10025
Finish : Electro zinc plated - EN ISO 19598



Art.Nr.	L mm		KG /100
1394132	300	1	1,75
1394142	450	1	2,22
1394162	600	1	2,68

Art.No	L(mm)	F, δ, σ=175 N/mm² — Fmax(kN)	fmax(mm)	F, δ, σ=175 N/mm² — Fmax(kN)	fmax(mm)	δ = 1/200L F (kN)	δ = 1/360L F (kN)
1394132	300	13,20 kN	6,60 kN	6,60 kN	4,40 kN		
1394142	450	9,00 kN	4,50 kN	4,50 kN	3,00 kN		
1394162	600	5,80 kN	2,90 kN	2,90 kN	1,90 kN		

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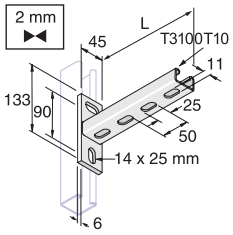
Cantilever Arms & Angle Brackets

K2774T10-HDG

Kwikstrut Cantilever arm 41x21x2.0mm K2774T10-HDG

Material : Backplate: Steel DD11 - EN 10111; Channel: Steel S275JR - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009



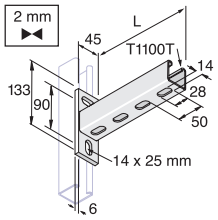
Art.Nr.	L mm		KG /100
K2774T150	150	10	47.3
K2774T300	300	1	70.4
K2774T450	450	1	93.5

Art.nr.	kg	L (mm)	L	1/2 L F1 1/2 L	F1	1/3L F2 1/3L F2 1/3L	1/4L F3 1/4L F3 1/4L F3 1/4L
K2774T150	0,47	150	1.94 kN	0.97 kN	0.97 kN	0.64 kN
K2774T300	0,70	300	1.00 kN	0.50 kN	0.50 kN	0.33 kN
K2774T450	0,94	450	0.67 kN	0.33 kN	0.33 kN	0.22 kN

K2773T-HDG

Kwikstrut Cantilever arm 41x41x2.0mm K2773T-HDG

Material : Backplate: Steel DD11 - EN 10111; Channel: Steel S275JR - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009



Art.Nr.	L mm		KG /100
K2773T150	150	10	64.3
K2773T300	300	1	100.8
K2773T450	450	1	137.2
K2773T600	600	1	173

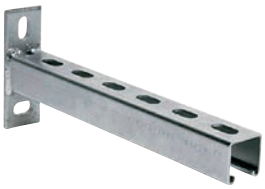
Art.nr.	kg	L (mm)	L	1/2 L F1 1/2 L	F1	1/3L F2 1/3L F2 1/3L	1/4L F3 1/4L F3 1/4L F3 1/4L
K2773T150	0,64	150	4,83 kN	2,41 kN	2,41 kN	1,61 kN
K2773T300	1,01	300	2,41 kN	1,21 kN	1,21 kN	0,80 kN
K2773T450	1,37	450	1,61 kN	0,80 kN	0,80 kN	0,54 kN
K2773T600	1,73	600	1,21 kN	0,60 kN	0,60 kN	0,40 kN

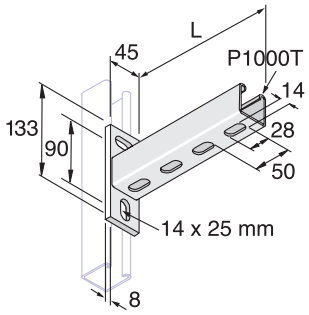
Cantilever Arms & Angle Brackets

K2663T-HDG

Kwikstrut Cantilever Arm 41x41x2.5mm K2663T-HDG

Material : Backplate: Steel DD11 - EN 10111; Channel: Steel S275JR - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009





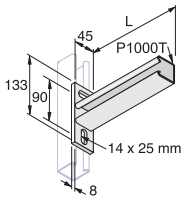
Art.Nr.	L mm		KG /100
K2663T150	150	10	79.8
K2663T300	300	1	123.9
K2663T450	450	1	164.9
K2663T600	600	1	205.9
K2663T750	750	1	246.9
K2663T1000	1000	1	335.8

Art.nr.	P	kg	L (mm)	L 1/2 L F1 1/2 L	F1 L	F2 1/3L F2 1/3L F2 1/3L L	F3 1/4L F3 1/4L F3 1/4L F3 1/4L L
K2663T1505	5	0,79	150	6.12 kN	3.06 kN	3.06 kN	2.04 kN
K2663T3005	5	1,18	300	3.06 kN	1.53 kN	1.53 kN	1.02 kN
K2663T4505	5	1,61	450	2.04 kN	1.02 kN	1.02 kN	0.68 kN
K2663T6005	5	2,03	600	1.53 kN	0.76 kN	0.76 kN	0.50 kN
K2663T7505	5	2,53	750	1.22 kN	0.61 kN	0.61 kN	0.40 kN
K2663T10005	5	3,36	1000	0.98 kN	0.37 kN	0.49 kN	0.32 kN

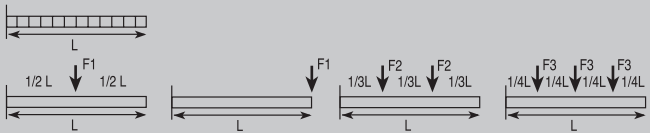
K2668-HDG

Kwikstrut cantilever arm K2668-HDG

Material : Backplate: Steel DD11 - EN 10111; Channel: Steel S275JR - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009



Art.Nr.	L mm		KG /100
K2668T150	150	10	79.8
K2668T300	300	1	117.4
K2668T450	450	1	159.3
K2668T600	600	1	203.4

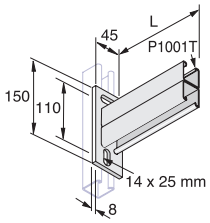


Art.nr.	P	kg	L (mm)				
K2668T150	3	0,80	150	6,20 kN	3,10 kN	3,10 kN	2,06 kN
K2668T300	3	1,17	300	3,20 kN	1,60 kN	1,60 kN	1,06 kN
K2668T450	3	1,59	450	2,15 kN	1,07 kN	1,07 kN	0,71 kN
K2668T600	3	2,03	600	1,62 kN	0,81 kN	0,81 kN	0,54 kN

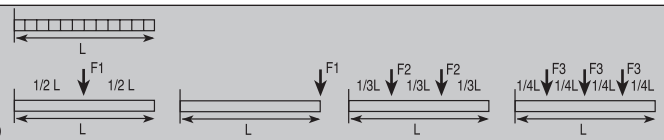
K2665-HDG

Kwikstrut cantilever arm K2665-HDG

Material : Backplate: Steel DD11 - EN 10111; Channel: Steel S275JR - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009



Art.Nr.	L mm		KG /100
K2665/300	300	1	220.6
K2665/450	450	1	309
K2665/600	600	1	379.2
K2665/750	750	1	473.4



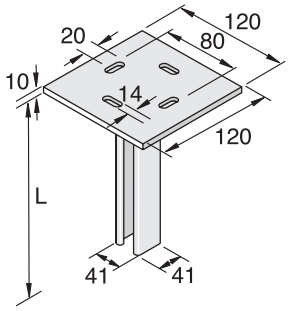
Art.nr.	P	kg	L (mm)				
K2665/150	3	1,57	150	8,82 kN	4,41 kN	4,41 kN	2,94 kN
K2665/300	3	3,26	300	6,47 kN	3,23 kN	3,23 kN	2,15 kN
K2665/450	3	4,02	450	4,31 kN	2,15 kN	2,15 kN	1,43 kN
K2665/600	3	4,98	600	3,23 kN	1,61 kN	1,61 kN	1,07 kN
K2665/750	3	5,83	750	2,58 kN	1,29 kN	1,29 kN	0,86 kN

Cantilever Arms & Angle Brackets

KM

Kwikstrut Vertical Support with channel K1000T - KM

Material : Backplate: Steel DD11 - EN 10111; Channel: Steel S275JR - EN 10025
Finish : Hot dip galvanised - EN ISO 1461: 2009

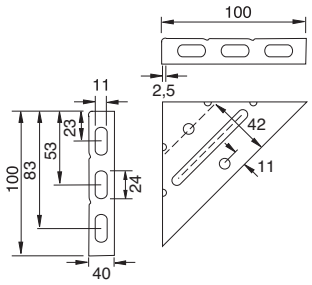


Art.Nr.	L mm		KG /100
KM5003	500	1	256.5
KM7503	750	1	324.9
KM10003	1000	1	393.2
KM12503	1250	1	461.5

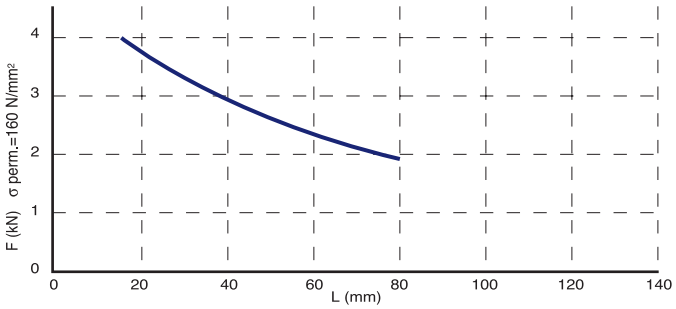
KON100

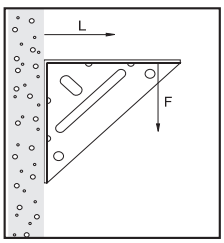
Kwikstrut angle bracket KON100

Material : Steel DD11 - EN 10111
Finish : Hot dip galvanised - EN ISO 1461: 2009



Art.Nr.	KG /100	
KON100	29.7	25

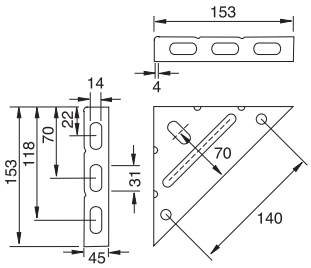




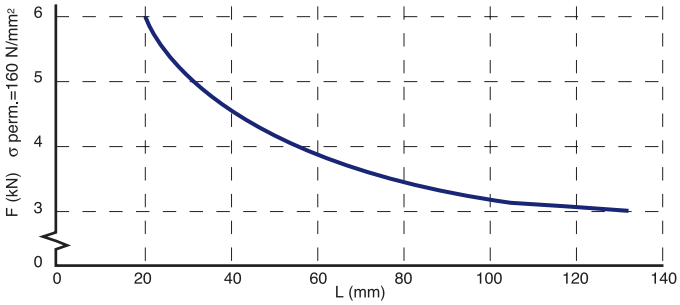
KON150

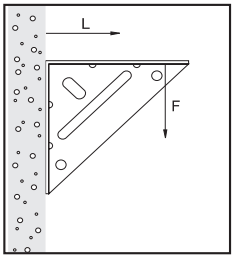
Kwikstrut angle bracket KON150

Material : Steel DD11 - EN 10111
Finish : Hot dip galvanised - EN ISO 1461: 2009



Art.Nr.	KG /100	
KON150	88.2	15

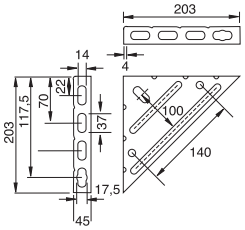




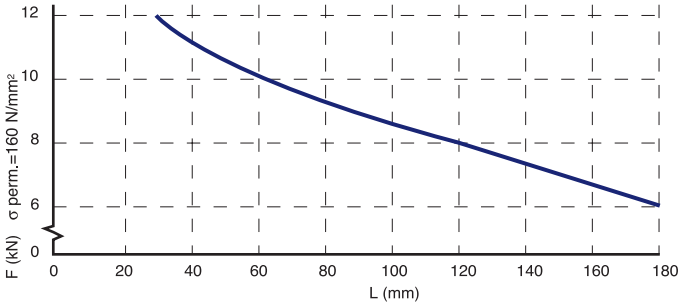
KON200

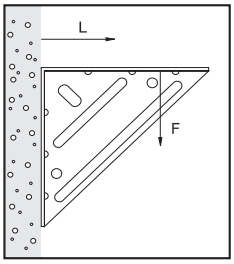
Kwikstrut angle bracket KON200

Material : Steel DD11 - EN 10111
Finish : Hot dip galvanised - EN ISO 1461: 2009



Art.Nr.	KG /100	
KON200	131.1	1



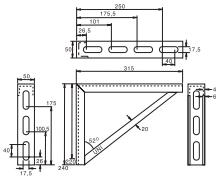


Cantilever Arms & Angle Brackets

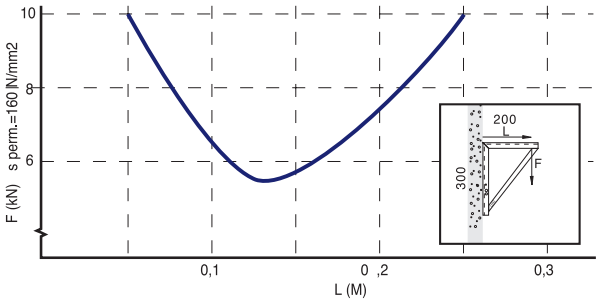
KON300-200

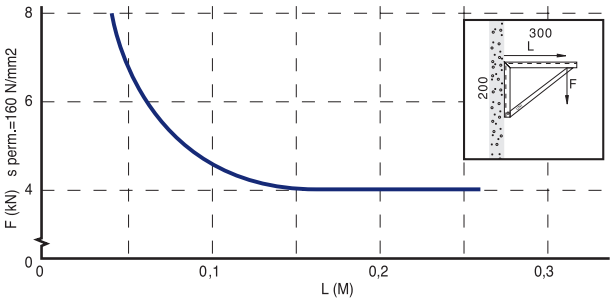
Heavy duty angle brackets KON300-200

Material : Steel S235
Finish : Hot dip galvanised - EN ISO 1461: 2009



Art.Nr.	KG /100	
KON300200	261.8	1

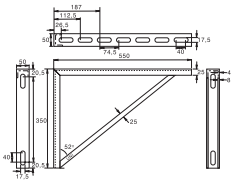




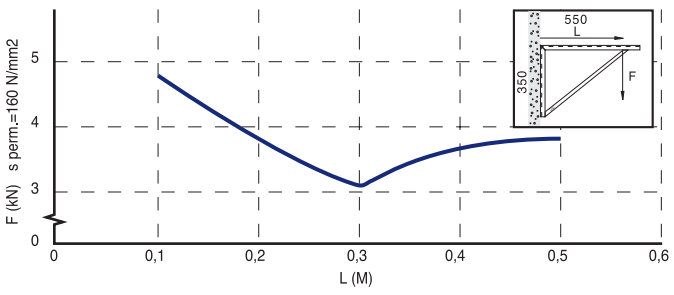
KON550-350

Heavy duty angle brackets KON550-350

Material : Steel S235
Finish : Hot dip galvanised - EN ISO 1461: 2009



Art.Nr.	KG /100	
KON550350	448.4	1



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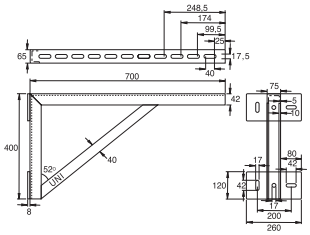
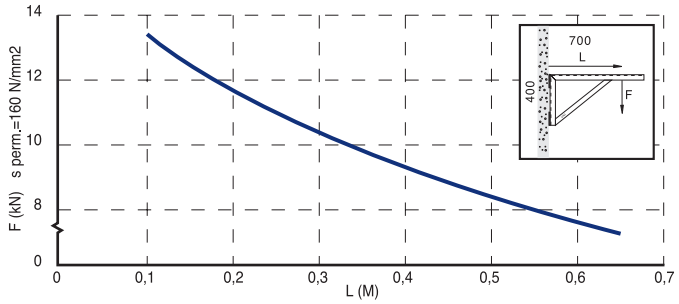
KON700-400

Heavy duty angle brackets KON700-400

Material : Steel S235
Finish : Hot dip galvanised - EN ISO 1461: 2009



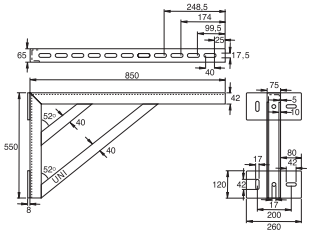
Art.Nr.	KG /100	
KON700400	1612.8	1



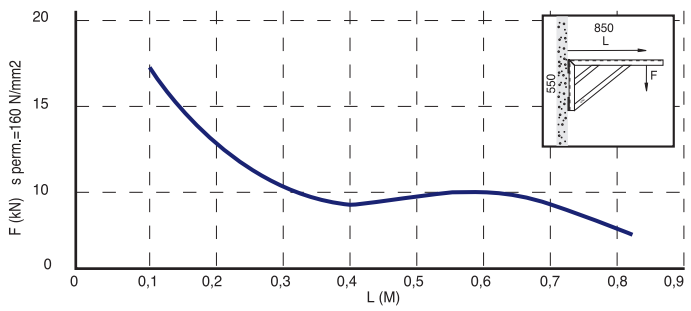
KON850-550

Heavy duty angle brackets KON850-550

Material : Steel S235
Finish : Hot dip galvanised - EN ISO 1461: 2009



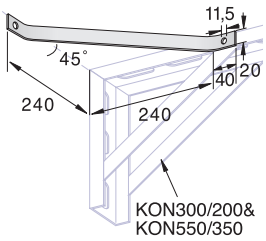
Art.Nr.	KG /100	
KON850550	2235.1	1



Cantilever Arms & Angle Brackets

Brace for brackets type KON300/200 & KON 550/350 - KON BM

Material : Steel DD11 - EN 10111
Finish : Hot dip galvanised - EN ISO 1461: 2009

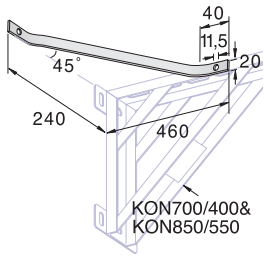


KON BM

Art.Nr.	KG /100	
2851S30203	35.7	1

Brace for brackets type KON700/400 & KON 850/550 - KON BH

Material : Steel DD11 - EN 10111
Finish : Hot dip galvanised - EN ISO 1461: 2009



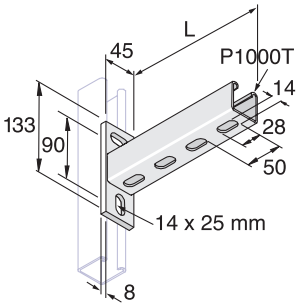
KON BH

Art.Nr.	KG /100	
2851S30203	37.5	1
2851S70403	66.6	1

K2663T-SS

Kwikstrut cantilever arm K1000T Stainless Steel

Material : Stainless Steel - 1.4404 - EN 10088-2



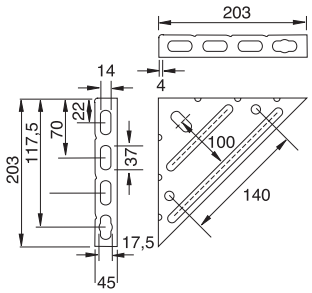
Art.Nr.	L mm		KG /100
K2663T150SP	150	10	79.1
K2663T300SP	300	1	120.4
K2663T450SP	450	1	160.9
K2663T600SP	600	1	200
K2663T750SP	750	1	239.9

Art.nr.	P	kg	L (mm)	L, F1 1/2 L 1/2 L	L, F1	L, F2 1/3L F2 1/3L 1/3L	L, F3 1/4L F3 1/4L F3 1/4L 1/4L
P2663T150S	4	0,96	150	6,12 kN	3,06 kN	3,06 kN	2,04 kN
P2663T300S	4	1,30	300	3,06 kN	1,53 kN	1,53 kN	1,02 kN
P2663T450S	4	1,74	450	2,04 kN	1,02 kN	1,02 kN	0,68 kN
P2663T600S	4	2,06	600	1,53 kN	0,76 kN	0,76 kN	0,50 kN
P2663T750S	4	2,30	750	1,22 kN	0,61 kN	0,61 kN	0,40 kN

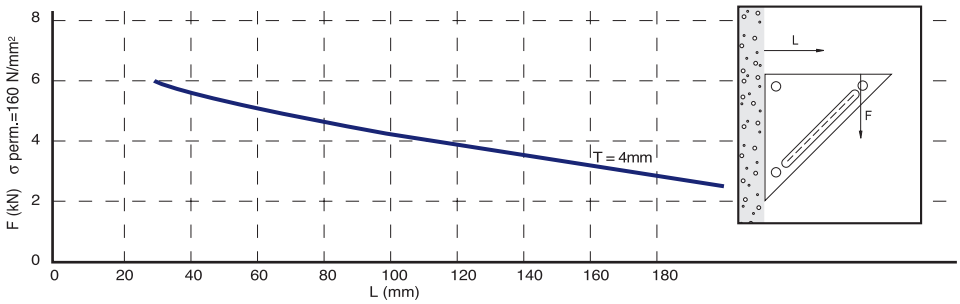
KON200SS

Kwikstrut angle bracket

Material : Stainless Steel - 1.4301



Art.Nr.	KG /100	
1352452	99.5	10



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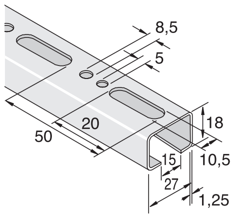
UNI0

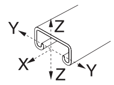
UNI0 channel 27 x 18 mm

Material : Steel DX51D + Z275 - EN 10327



Art.Nr.	L mm		KG /100
UNI0	2000	10	118
UNI0/3	3000	10	177

L(mm)	Fmax(kN)	σ=140 N/mm² δ max(mm)	δ = 1/200L F(kN)	δ = 1/360L F(kN)
250	1.432	0.46	-	-
500	0.714	1.85	-	0.536
750	0.473	4.16	0.425	0.235
1000	0.352	7.39	0.235	0.129
1250	0.279	11.54	0.146	0.080
1500	0.231	16.70	0.099	0.051
1750	0.193	22.61	0.068	0.033
2000	0.168	29.64	0.048	0.022

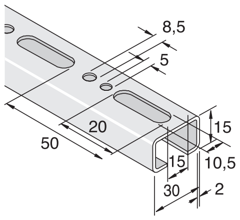


A = 0.718 cm^2
/m = 0.56 kg/m
I y-y = 0.3 cm^4
Z y-y = 0.32 cm^3
r y-y = 0.65 cm
I z-z = 0.92 cm^4
Z z-z = 0.69 cm^3
r z-z = 1.13 cm

UNI1

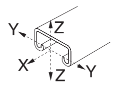
UNI1 channel 30 x 15 mm

Material : Steel DX51D + Z275 - EN 10327



Art.Nr.	L mm		KG /100
UNI1	2000	10	184
UNI1/3	3000	10	276
UNI1/6	6000	10	552

L(mm)	Fmax(kN)	σ=140 N/mm² δ max(mm)	δ = 1/200L F(kN)	δ = 1/360L F(kN)
250	1.428	0.46	-	-
500	0.868	2.18	-	0.552
750	0.576	4.91	0.437	0.241
1000	0.427	8.71	0.240	0.129
1250	0.339	13.65	0.149	0.079
1500	0.278	19.16	0.098	0.050
1750	0.235	26.73	0.067	0.030
2000	0.200	34.72	0.044	0.018



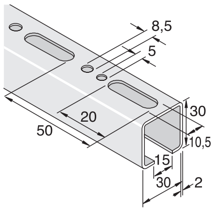
A = 1.081 cm^2
/m = 0.85 kg/m
I y-y = 0.31 cm^4
Z y-y = 0.39 cm^3
r y-y = 0.54 cm
I z-z = 1.55 cm^4
Z z-z = 1.04 cm^3
r z-z = 1.2 cm

Light Duty Framing System

UNI2

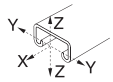
UNI2 channel 30 x 30 mm

Material : Steel DX51D + Z275 - EN 10327



Art.Nr.	L mm		KG /100
UNI2	2000	10	280
UNI2/3	3000	10	420
UNI2/6	6000	10	840

L(mm)	F, σ=140 N/mm², Fmax(kN)	δmax(mm)	δ=1/200L F(kN)	δ=1/360L F(kN)
250	5.240	0.28	-	-
500	2.615	1.11	-	-
750	1.738	2.50	-	1.448
1000	1.297	4.44	-	0.806
1250	1.031	6.93	0.925	0.508
1500	0.852	9.97	0.633	0.345
1750	0.725	13.61	0.457	0.243
2000	0.628	17.74	0.340	0.178

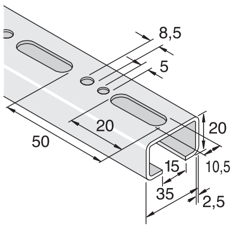


A = 1.68 cm^2
/m = 1.32 kg/m
I y-y = 1.83 cm^4
Z y-y = 1.17 cm^3
r y-y = 1.04 cm
I z-z = 2.73 cm^4
Z z-z = 1.82 cm^3
r z-z = 1.28 cm

UNI3

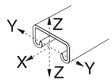
UNI3 channel 35 x 20 mm

Material : Steel DX51D + Z275 - EN 10327



Art.Nr.	L mm		KG /100
UNI3	2000	10	280

L(mm)	F, σ=140 N/mm², Fmax(kN)	max(mm)	δ=1/200L F(kN)	δ=1/360L F(kN)
250	3.671	0.41	-	-
500	1.831	1.64	-	1.550
750	1.214	3.68	-	0.683
1000	0.903	6.53	0.686	0.375
1250	0.716	10.20	0.430	0.233
1500	0.591	14.70	0.290	0.153
1750	0.501	20.02	0.205	0.103
2000	0.432	26.17	0.146	0.070



A = 1.72 cm^3
/m = 2.5 kg/m
I y-y = 0.87 cm^4
Z y-y = 0.82 cm^3
r y-y = 0.71 cm
I z-z = 3.15 cm^4
Z z-z = 1.85 cm^3
r z-z = 1.36 cm

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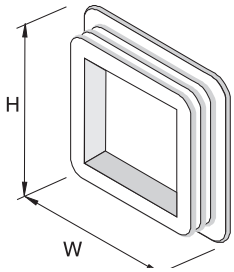
End cap for UNI channel

Material : PP - black

PVCUNI

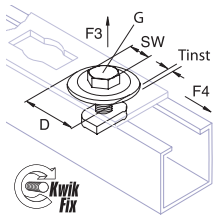


Art.Nr.	W mm	H mm	KG /100	
1401001	27	18	0.4	100
PVCUNI1	30	15	0.3	100
PVCUNI2	30	30	0.6	100
PVCUNI3	35	20	0.4	100

QLFN

Kwikstrut L channel nut for UNI channel

Material : Nut: DD11 - EN 10111 Washer: DX51 - EN 10327 Screw: 8.8 - DIN933; Plastic part PP
Finish : Electro zinc plated - EN ISO 19598

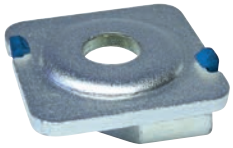


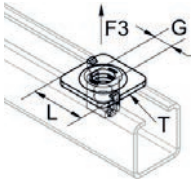
Art.Nr.	D mm	G	T mm	F3 kN	F4 kN	Tinst Nm	SW mm	KG /100	
1370810	30	M8	2.5	1.5	0.6	10	13	3.5	100

QLRN

Kwikstrut L channel nut with square washer for UNI channels

Material : Nut: DD11 - EN 10111 Washer: DX51 - EN 10327; Plastic part PP
Finish : Electro zinc plated - EN ISO 19598

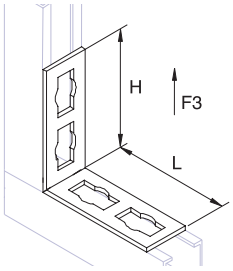




Art.Nr.	G	L mm	W mm	T mm	F3 kN	KG /100	
1370640	M6	30	30	2.5	1.5	2.7	100
1370840	M8	30	30	2.5	1.5	2.6	100
1371040	M10	30	30	2.5	1.5	2.4	100

Kwikstrut L flat angle fitting 90°

Material : Steel DD11 - DIN EN 10111
Finish : Electro zinc plated - EN ISO 19598

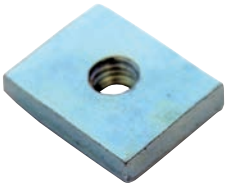


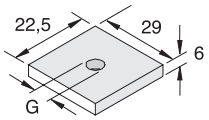
QLFFA

Art.Nr.	L mm	H mm	F3 kN	Nut qty	KG /100	
1379025	52	52	0.6	2	4.9	25
1379035	90	52	0.6	3	6.4	25
1379045	90	90	1	4	8.6	25

UNI Channel Nuts

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - DIN EN 12329



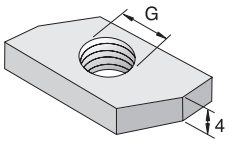


CNH

Art.Nr.	G	KG /100	
1486276	M6	2.8	100
1488276	M8	2.7	100
1481276	M10	2.6	100

Channel nut for UNI channels

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - DIN EN 12329

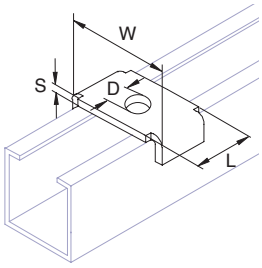


CNM

Art.Nr.	G	KG /100	
3910600	M6	0.9	100
3910063	M8	0.8	100
3910064	M10	0.1	100

U-shaped washer for UNI channel

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - DIN EN 12329



H30

Art.Nr.	D mm	L mm	W mm	T mm	KG /100	
1373010	8.4	22	35	2.5	1.1	100
1373011	10.5	22	35	2.5	1.5	100

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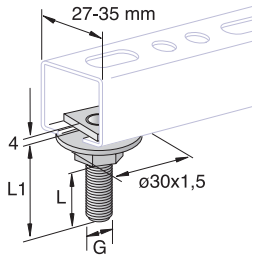
Stud nut for UNI channels

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - DIN EN 12329

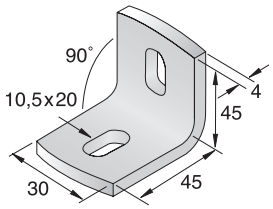


TBU

Art.Nr.	G	L mm	L1 mm	KG /100	
3910018	M8	20	6	3.2	100
3910019	M8	25	11	3	100
3910020	M8	30	16	3.1	100
3910021	M8	40	26	3.4	100
3910022	M8	50	36	1.5	100
3910023	M8	60	46	1.5	100
3910025	M8	80	66	4.7	100
3910027	M8	100	86	8.6	50
3910031	M10	30	15	4.1	100
3910032	M10	40	25	5	100
3910033	M10	50	35	5.1	100
3910034	M10	60	45	5.6	100
3910036	M10	80	65	6.8	50
3910038	M10	100	85	7.6	50

UNI angle fitting 90° - UNI L90

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - DIN EN 12329



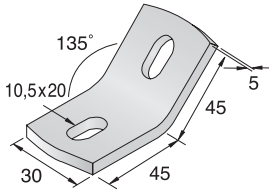
UNI L90

Art.Nr.	KG /100	
3910090	11.1	25

Light Duty Framing System

UNI angle fitting 45° - UNI L45

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - DIN EN 12329

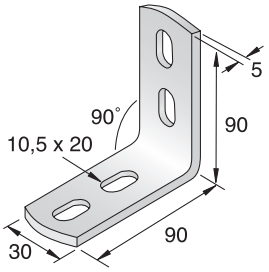


UNI L45

Art.Nr.	KG /100	
3910091	11.1	25

UNI angle fitting 90° - UNI LH90

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - DIN EN 12329

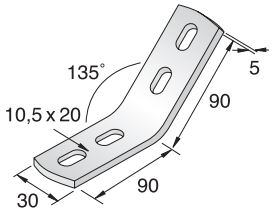


UNI LH90

Art.Nr.	KG /100	
3910092	20.3	25

UNI angle fitting 45° - UNI LH45

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - DIN EN 12329

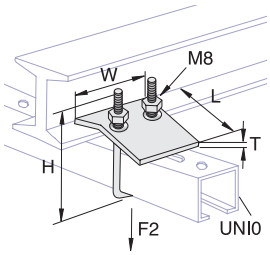


UNI LH45

Art.Nr.	KG /100	
3910093	21.2	25

Beamclamp for UNI0 channel

Material : Plate: Steel DD11 - EN 10111; U-Bolt S235JRG - EN 10277
Finish : Electro zinc plated - DIN EN 12329

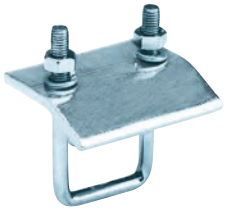


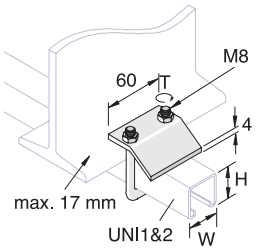
KP-UNI0

Art.Nr.	L mm	W mm	H mm	T mm	F2 kN	KG /100	
1402782	65	60	60	6	2	16.7	50

Beamclamp for UNI1,2&3 channel

Material : Plate: Steel DD11 - EN 10111; U-Bolt S235JRG - EN 10277
Finish : Electro zinc plated - DIN EN 12329





KP-UNI1&2

Art.Nr.	W mm	H mm	KG /100	
1373088	30	15-30	11.7	25

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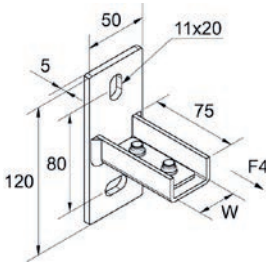
UNI Channel Foot Brackets SF-SUNI

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - DIN EN 12329

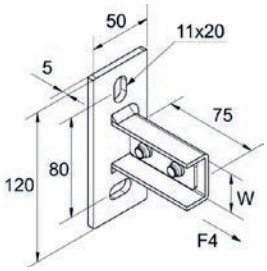


SF-SUNI

Art.Nr.	Suitable for:	W mm	F4 kN	KG /100	
3910071	UNI0&-1&-2	30	0.8	32	10
3910069	UNI3	36	0.8	39	10

UNI Channel Foot Brackets SF-LUNI

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - DIN EN 12329



SF-LUNI

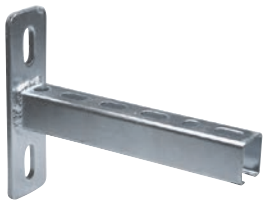
Art.Nr.	Suitable for:	W mm	F4 kN	KG /100	
3910072	UNI0&-1&-2	30	0.8	33	10
3910070	UNI3	36	0.8	33	10

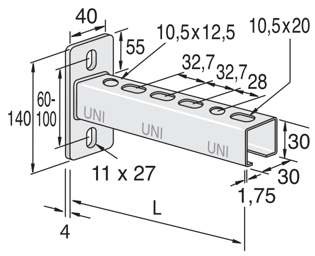
Light Duty Framing System

UNI-KON

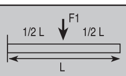
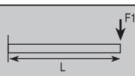
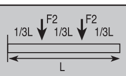
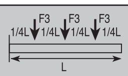
UNI cantilever arm UNI-KON

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - DIN EN 12329





Art.Nr.	L mm		KG /100
UNIKON180	180	10	40.5
UNIKON240	240	10	47.4
UNIKON300	300	10	53.4
UNIKON360	360	1	60.1
UNIKON420	420	1	66
UNIKON540	540	1	78.8
UNIKON660	660	1	91.5
UNIKON780	780	1	104.1

L (mm)				
180	1,25 kN	0,62 kN	0,62 kN	0,41 kN
240	0,92 kN	0,46 kN	0,46 kN	0,31 kN
300	0,75 kN	0,37 kN	0,37 kN	0,25 kN
360	0,62 kN	0,31 kN	0,31 kN	0,20 kN
420	0,53 kN	0,26 kN	0,26 kN	0,17 kN
540	0,41 kN	0,20 kN	0,20 kN	0,13 kN
660	0,34 kN	0,17 kN	0,17 kN	0,11 kN
780	0,28 kN	0,14 kN	0,14 kN	0,09 kN

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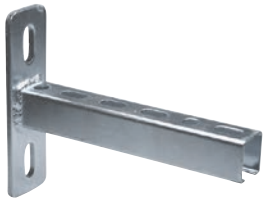
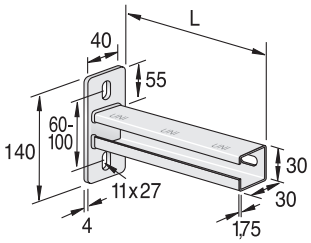
UNI-KONS

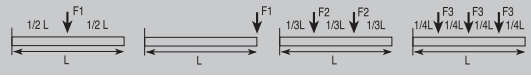
Uni cantilever arm UNI-KONS

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - DIN EN 12329





Art.Nr.	L mm		KG /100
UNIKON180S	180	10	38
UNIKON240S	240	10	44

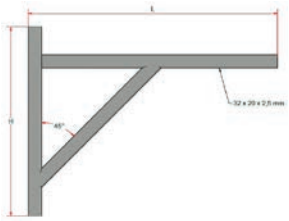


L (mm)				
180	1,25 kN	0,62 kN	0,62 kN	0,41 kN
240	0,92 kN	0,46 kN	0,46 kN	0,31 kN

UNI-KONB

Uni cantilever arm with brace UNI-KONB

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - DIN EN 12329



Art.Nr.	L mm		KG /100
UNIKON370B	370	10	1.3
UNIKON545B	545	10	1.8


50

Pipe Support

4 Pipe Clips

Light Duty Pipe Clip

Page 143

Medium Duty Pipe Clip

Page 146

Heavy Duty Pipe Clip

Page 150

Insulated Pipeclips

Page 155

Roof Drainage Pipe Clip

Page 162

Sprinkler Hangers

Page 162

Fixings for pipe clips

Page 166

Sidebeam Attachments

Page 167

U-Bolts & Channel Pipe Clip

Page 169

Stainless Steel Pipe Clips

Page 174

5 Fix Points & Slides

Adjustable Angle Fittings Slide Guides

Page 179

Slide Guide Type S Slide Guides

Page 182

Slide Guide Type M Slide Guides

Page 184

Slide Guide Type H Slide Guides

Page 186

Slide Guide Type Quadro Slide Guides

Page 187

Hot Dip Galvanised Slide Guides

Page 188

Stainless Steel Slide Guide Type M Slide Guides

Page 189

Fix Point Herkules

Page 190

6 Seismic Bracing System

Seismic Brace Pipe Connector KSBPC

Page 193

Seismic Steel Beam Connector KSSBC

Page 194

Seismic Universal Sway Brace KSUSB

Page 195

Fix Point for Cooling pipes

7 Ventilation & Airconditioning Supports

Duct Bracket

Page 196

Duct Clamps

Page 200

Accessories

Page 206
Page 203

Page 207

8 Sound Insulation & Nameplate System

Rubber Lining

Page 208

Rubber Anti Vibration Parts

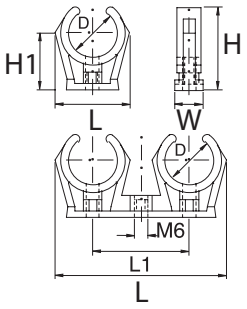
Nameplate System

Pipe Clips

PP

Plastic snap clip

Material : Polypropylene with Brass-thread insert M6
Temperature durability: -40°C bis +120°C



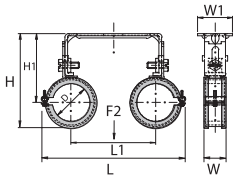
Art.Nr.	Type	D mm	L mm	L1 mm	W mm	H mm	H1 mm	KG /100	
1120816	single	8	15		17	19	14	0.3	100
1121016	single	10	18		17	21	15	0.3	100
1121216	single	12	22		17	23	16	0.4	100
1121516	single	14-15	25		17	27	18	0.5	100
1121816	single	16-18	29		17	33	23	0.6	100
1122216	single	20-22	32		17	38	26	0.7	100
1122416	single	24	38		17	42	30	0.8	100
1122815	single	28	43		17	48	32	1.1	100
1123515	single	35	49		17	52	36	1.2	100
1124215	single	42	62		17	60	39	1.7	100
1120826	double	8	40	25	17	19	14	0.5	100
1121026	double	10	47	29	17	21	15	0.5	100
1121226	double	12	55	33	17	23	16	0.8	100
1121526	double	14-15	60	36	17	27	18	0.9	100
1121826	double	16-18	67	39	17	33	23	1.2	100
1122226	double	20-22	74	43	17	38	26	1.4	100
1122826	double	28	96	54	17	50	32	2.1	50

Pipe Clips

DC

Double adjustable pipe clip with insulation

Material : Fixing: Steel DD11 - EN 10111, Pipe clip: DX51D+Z275 - EN 10327
EPDM/SBR black; SHORE A = 45° ±5°
Temperature durability: -40°C bis +100°C
Finish : Electro zinc plated - EN ISO 19598

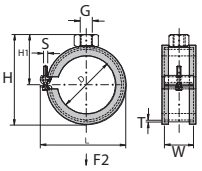


Art.Nr.	D Inch	D mm	L mm	L1 mm	W mm	W1 mm	H mm	H1 mm	F2 kN	KG /100	
1181555	-	15	85	55	21.5	20	63-76	50-63	0.8	12.4	50
1181576	-	15	116	85	21.5	30	68-85	55-72	0.6	14.5	50
1181855	3/8	18	89	55	21.5	20	66-79	53-66	0.8	12.8	50
1181876	3/8	18	121	85	21.5	30	71-88	58-75	0.6	14.9	50
1182255	1/2	22	93	55	21.5	20	70-83	57-70	0.8	13.0	50
1182276	1/2	22	124	85	21.5	30	75-92	62-79	0.6	16.4	50
1182876	3/4	28	130	85	21.5	30	81-98	68-85	0.6	17.0	50
1183476	1	35	138	85	21.5	30	89-106	75-92	0.6	18.9	25
1184276	1 1/4	42	146	85	21.5	30	96-113	82-99	0.6	22.4	25

Mini

Light 1 srew Pipe Clip with sound insulation

Material : Steel DC01 - EN 10130
EPDM/SBR black; SHORE A = 45° ± 5°
Temperature durability: -40°C bis +100°C
Sound insulation value on average 17 dB(A)
Finish : Electro zinc plated - EN ISO 19598



Sound insulation tested

Baustoffklasse B2 "Normal entflammbar" nach DIN 4102

Art.Nr.	D Inch	D mm	G	L mm	W mm	H mm	H1 mm	T mm	S	F2 kN	KG /100	
1221086		10	M8	30	18	28	15	0.75	M4	0.6	2.0	100
1221286		12	M8	30	18	28	15	0.75	M4	0.6	2.1	100
1221586		15	M8	32	18	31	16	0.75	M4	0.6	2.2	100
1221686		16	M8	32	18	31	16	0.75	M4	0.6	2.3	100
1221886	3/8	18	M8	36	18	35	18	0.75	M4	0.6	2.4	100
1222286	1/2	22	M8	41	18	40	20	1.0	M4	1.0	2.9	100
1222886	3/4	28	M8	47	18	46	25	1.0	M4	1.0	3.3	100
1223586	1	35	M8	54	18	54	29	1.25	M4	1.2	4.2	100
1224286	1 1/4	42	M8	64	18	60	33	1.25	M4	1.2	4.8	100
1224886	1 1/2	48	M8	69	18	65	36	1.25	M4	1.2	5.4	100

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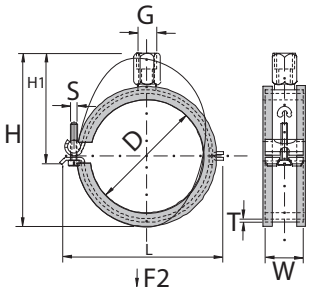
Perfect-1S

1 Srew pipe clip with sound insulation

Material : Steel DC01 - EN 10130
EPDM/SBR black; SHORE A = 45° ± 5°
Temperature durability: -40°C bis +100°C
Sound insulation value on average 17 dB(A)

Finish : Electro zinc plated - EN ISO 19598



Sound insulation tested

Baustoffklasse B2 "Normal entflammbar" nach DIN 4102

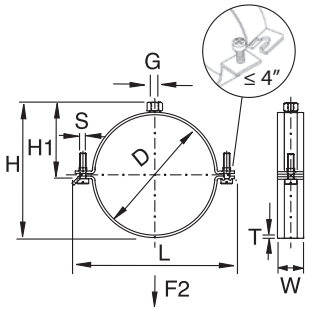
Art.Nr.	D Inch	D mm	G	L mm	W mm	H mm	H1 mm	T mm	S	F2 kN	KG /100	
1191520	3/8	15 - 19	M8 / M10	45	20	46	32	1	M5	0,8	4,2	100
1192280	1/2	21-22	M8	50	20	51	34	1	M5	0.8	4.4	100
1192880	3/4	27-28	M8	56	20	55	37	1	M5	0.8	4.9	100
1193580	1	34-35	M8	64	20	63	40	1.3	M5	1.1	5.7	100
1194080		40-41	M8	69	20	69	43	1.3	M5	1.1	6.8	100
1194280	1 1/4	42-43	M8	71	20	70	44	1.3	M5	1.1	6.6	100
1194880	1 1/2	48-49	M8	77	20	77	48	1.3	M5	1.1	7.3	100
1195080		49-50	M8	79	20	79	49	1.3	M5	1.1	7.0	50
1195480		54-55	M8	83	20	83	51	1.3	M5	1.1	8.0	50
1196080	2	60-61	M8	89	20	89	54	1.3	M5	1.1	8.5	50

Pipe Clips

Standard N

2 Screw pipe clip without sound insulation

Material : Steel DX51D+Z275 - EN 10327 (<= 54/57mm) + DD11 - EN 10111
Finish : Electro zinc plated - EN ISO 19598 (> 57mm)



Art.Nr.	D Inch	D mm	G	L mm	W mm	H mm	H1 mm	T mm	S	F2 kN	KG /100	
1256022	1/2	21-24	M8/M10	57	20	45	30	1	M5	0.6	4.2	100
1256028	3/4	25-28	M8/M10	61	20	49	31	1	M5	0.6	4.1	100
1256035	1	32-35	M8/M10	68	20	56	34	1	M5	0.6	4.4	100
1256040		38-41	M8/M10	78	20	62	36	1	M5	0.6	5.0	100
1256042	1 1/4	40-43	M8/M10	80	20	64	37	1	M5	0.6	4.8	50
1256048	1 1/2	48-51	M8/M10	88	20	72	41	1	M5	0.6	5.5	50
1256054		54-57	M8/M10	95	20	79	45	1	M5	0.6	5.3	50
1256060	2	59-63	M8/M10	101	20	85	47	1.5	M5	1.4	7.7	50
1256070		67-72	M8/M10	109	25	94	49	1.5	M6	1.9	10.5	50
1256076	2 1/2	71-77	M8/M10	114	25	99	52	1.5	M6	1.9	11.3	50
1256080		79-85	M8/M10	123	25	107	56	1.5	M6	1.9	12.1	50
1256089	3	85-90	M8/M10	131	25	112	57	2	M6	2.3	14.6	50
1256114	4	107-114	M8/M10	155	25	136	69	2	M6	2.3	17.5	50
1256168	6	167-175	M8/M10	215	25	194	106	2.5	M8	3.0	39.0	25
1256200		198-202	M8/M10	246	25	226	122	2.5	M8	3.0	38.7	10
1256219	8	218-226	M8/M10	275	25	254	136	2.5	M8	3.0	49.0	25
1256250		248-252	M8/M10	296	25	276	147	2.5	M8	3.0	46.3	10

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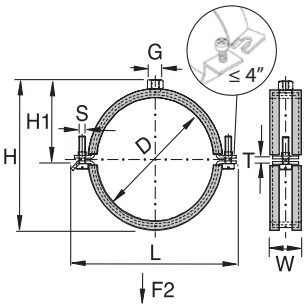
Standard R

2 Screw pipe clip with sound insulation

Material : Steel DX51D+Z275 - EN 10327 (<= 1 1/2") + DD11 - EN 10111
EPDM/SBR black; SHORE A = 45°± 5°
Temperature durability: -40°C bis +100°C
Sound insulation value on average 17 dB(A)

Finish : Electro zinc plated - EN ISO 19598 (> 1 1/2")



Sound insulation tested

2102/921/20 TESTED iBMB MPA

Baustoffklasse B2 "Normal entflammbar" nach DIN 4102

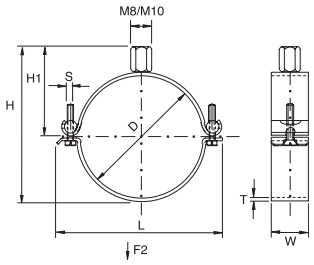
Art.Nr.	D Inch	D mm	G	L mm	W mm	H mm	H1 mm	T mm	S	F2 kN	KG /100	
1257015		14-17	M8/M10	55	20	34	20	1.0	M5	0.6	4.4	100
1257018	3/8	17-20	M8/M10	58	20	36	22	1.0	M5	0.6	4.5	100
1257022	1/2	21-24	M8/M10	59	20	40	23	1.0	M5	0.6	5.0	100
1257028	3/4	27-30	M8/M10	66	20	46	26	1.0	M5	0.6	5.5	100
1257035	1	33-36	M8/M10	73	20	52	30	1.0	M5	0.6	8.5	100
1257040		38-41	M8/M10	79	20	56	31	1.0	M5	0.6	6.7	100
1257042	1 1/4	42-45	M8/M10	82	20	60	34	1.0	M5	0.6	6.6	50
1257048	1 1/2	48-51	M8/M10	89	20	66	37	1.0	M5	0.6	7.3	50
1257054		54-57	M8/M10	98	20	73	41	1.5	M5	1.4	10.0	50
1257060	2	59-62	M8/M10	101	20	79	43	1.5	M5	1.4	10.0	50
1257070		67-72	M8/M10	116	25	94	53	1.5	M6	1.9	14.4	50
1257076	2 1/2	72-78	M8/M10	123	25	100	56	1.5	M6	1.9	15.1	50
1257083		80-85	M8/M10	134	25	116	75	2.0	M6	2.3	19.9	50
1257089	3	84-89	M8/M10	134	25	108	61	2.0	M6	2.3	20.5	50
1257114	4	109-114	M8/M10	162	25	136	81	2.0	M6	2.3	24.2	50
1257139	5	133-141	M8/M10	195	25	170	92	2.5	M8	3.0	36.1	25
1257168	6	160-170	M8/M10	224	25	205	108	2.5	M8	3.0	41.0	25
1257200		198-202	M8/M10	250	25	225	122	2.5	M8	3.0	41.0	25
1257219	8	210-221	M8/M10	275	25	252	135	2.5	M8	3.0	51.0	10

Pipe Clips

Perfect N

2 Screw pipe clip

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - EN ISO 19598
Delta Tone (DT) - Corrosion resistance - EN ISO 9227



Art.Nr.	Finish	D Inch	D mm	G	L mm	W mm	H mm	H1 mm	T mm	S	F2 kN	KG /100	
1280223	DT	1/2	21-25	M8/M10	46	20	42	30	2	M5	0.8	6.4	100
1280353	DT	1	34-38	M8/M10	61	20	55	36	2	M5	0.8	7.9	100
1280423	DT	1 1/4	43-46	M8/M10	68	20	64	40	2	M5	0.8	8.6	100
1280483	DT	1 1/2	48-53	M8/M10	77	20	70	43	2	M5	0.8	9.7	100
1280603	DT	2	60-65	M8/M10	89	20	82	49	2	M5	0.8	10.6	50
1280723	DT	2 1/2	73-77	M8/M10	107	25	103	62	2.5	M6	1.9	17.0	50
1280973	DT		97-103	M8/M10	142	25	138	78	2.5	M6	1.9	20.2	50
1281683	DT	6	160-168	M8/M10	193	25	191	105	2.5	M6	1.9	29.7	25
1280185	EZP	3/8	18-20	M8/M10	44	20	39	32	2	M5	0.8	6.2	100
1280225	EZP	1/2	21-25	M8/M10	46	20	42	30	2	M5	0.8	6.7	100
1280285	EZP	3/4	27-32	M8/M10	56	20	47	33	2	M5	0.8	7.3	100
1280355	EZP	1	34-38	M8/M10	61	20	55	36	2	M5	0.8	7.8	100
1280405	EZP	-	39-43	M8/M10	65	20	60	38	2	M5	0.8	8.4	100
1280425	EZP	1 1/4	43-46	M8/M10	68	20	64	40	2	M5	0.8	8.6	100
1280485	EZP	1 1/2	49-53	M8/M10	77	20	70	43	2	M5	0.8	9.1	100
1280605	EZP	2	61-65	M8/M10	89	20	82	49	2	M5	0.8	10.7	50
1280686	EZP	-	68-73	M8/M10	105	25	79	59	2.5	M6	1.9	16.5	50
1280726	EZP	2 1/2	73-77	M8/M10	107	25	103	62	2.5	M6	1.9	16.2	50
1280866	EZP	3	84-90	M8/M10	121	25	105	72	2.5	M6	1.9	18.3	50
1280976	EZP	-	97-103	M8/M10	142	25	138	78	2.5	M6	1.9	20.0	50
1281066	EZP	-	106-111	M8/M10	143	25	139	79	2.5	M6	1.9	22.0	50
1281106	EZP	4	109-114	M8/M10	145	25	140	79	2.5	M6	1.9	22.2	50
1281256	EZP	-	125-130	M8/M10	163	25	156	87	2.5	M6	1.9	24.7	25
1281396	EZP	5	139-145	M8/M10	173	25	169	94	2.5	M6	1.9	28.6	25
1281686	EZP	6	160-168	M8/M10	193	25	191	105	2.5	M6	1.9	30.2	25

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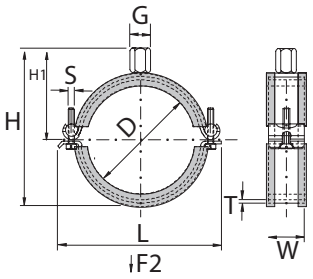
Perfect R

2 Screw pipe clip with sound insulation

Material : Steel DD11 - EN 10111
EPDM/SBR black; SHORE A = 45° ± 5°
Temperature durability: -40°C bis +100°C
Sound insulation value on average 17 dB(A)

Finish : Electro zinc plated - EN ISO 19598



Sound insulation tested

2102/921/20 TESTED iBMB MPA

Baustoffklasse B2 "Normal entflammbar" nach DIN 4102

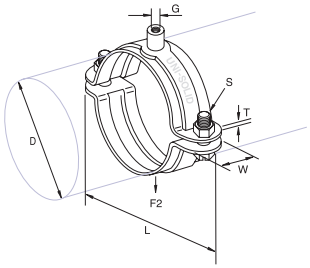
Art.Nr.	D Inch	D mm	G	L mm	W mm	H mm	H1 mm	T mm	S	F2 kN	KG /100	
1191813	3/8	15-20	M8/M10	50	20	50	32	2	M5	0.8	7.0	100
1192213	1/2	21-25	M8/M10	58	20	55	35	2	M5	0.8	8.0	100
1192813	3/4	26-31	M8/M10	62	20	61	38	2	M5	0.8	8.4	100
1193513	1	32-36	M8/M10	71	20	67	42	2	M5	0.8	9.1	100
1194213	1 1/4	42-46	M8/M10	79	20	76	46	2	M5	0.8	10.3	100
1194813	1 1/2	46-49	M8/M10	80	20	81	49	2	M5	0.8	10.8	100
1195413		50-54	M8/M10	87	20	84	53	2	M5	0.8	12.2	50
1196013	2	56-60	M8/M10	95	20	90	55	2	M5	0.8	12.3	50
1190638		63-68	M8/M10	107	25	101	60	2.5	M6	1.9	20.6	50
1190688		68-73	M8/M10	110	25	107	63	2.5	M6	1.9	21.5	50
1190758	2 1/2	75-80	M8/M10	116	25	115	66	2.5	M6	1.9	22.8	50
1190808		80-85	M8/M10	122	25	120	68	2.5	M6	1.9	23.8	50
1190848		84-89	M8/M10	126	25	124	70	2.5	M6	1.9	24.5	50
1190888	3	88-92	M8/M10	129	25	130	72	2.5	M6	1.9	25.3	50
1190978		97-102	M8/M10	140	25	138	77	2.5	M6	1.9	28.0	50
1191068		106-111	M8/M10	152	25	150	83	2.5	M6	1.9	31.7	50
1191098		109-114	M8/M10	153	25	152	84	2.5	M6	1.9	29.6	50
1191138	4	113-119	M8/M10	154	25	154	86	2.5	M6	1.9	29.7	50
1191228		122-127	M8/M10	164	25	163	90	2.5	M6	1.9	31.7	50
1191318		131-136	M8/M10	175	25	193	94	2.5	M6	1.9	36.0	25
1191378	5	137-142	M8/M10	181	25	176	97	2.5	M6	1.9	35.0	25
1191588		158-163	M8/M10	195	25	202	108	2.5	M6	1.9	40.7	25
1191648	6	164-168	M8/M10	195	25	202	108	2.5	M6	1.9	40.7	25

Pipe Clips

Solid N

Heavy Duty 2 screw Pipe Clip

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - EN ISO 19598



Art.Nr.	D Inch	D mm	G	L mm	W mm	T mm	S	F2 kN	FM	VdS	KG /100	
UNI-N00	3/8	15-19	M8/M10	57	30	2.5	M6	2.5			9	50
UNI-N01	1/2	20-24	M8/M10	62	30	2.5	M6	2.5		y	14.5	50
UNI-N02	3/4	25-30	M8/M10	68	30	2.5	M6	2.5	y	y	15.6	50
UNI-N03	1	31-35	M8/M10	75	30	2.5	M6	4	y	y	14.7	50
UNI-N05	1 1/4	40-45	M8/M10	85	30	2.5	M6	4	y	y	16.2	50
UNI-N06	1 1/2	48-53	M8/M10	93	30	2.5	M6	4	y	y	18.9	50
UNI-N07		54-59	M8/M10	104	30	2.5	M6	4		y	19.2	50
UNI-N08	2	60-65	M8/M10	110	30	2.5	M6	4	y	y	20.4	50
UNI-N09		67-72	M8/M10	117	30	2.5	M6	4		y	22	50
UNI-N10	2 1/2	76-81	M10/M12	142	30	3	M8	5	y	y	29.7	25
UNI-N11		82-85	M10/M12	148	30	3	M8	5		y	32.1	25
UNI-N12	3	88-94	M10/M12	154	30	3	M8	5	y	y	32.3	25
UNI-N13		95-102	M10/M12	163	30	3	M8	5		y	34.7	25
UNI-N14		102-108	M10/M12	169	30	3	M8	5		y	48.7	25
UNI-N15	4	110-116	M10/M12	177	30	3	M8	5	y	y	38.2	25
UNI-N16		117-124	M10/M12	185	30	3	M8	5		y	39.9	25
UNI-N17		124-129	M10/M12	190	30	3	M8	5		y	40.6	25
UNI-N18		133-140	M12/M16	207	40	4	M12	8		y	82.6	10
UNI-N19	5	140-146	M12/M16	215	40	4	M12	8	y	y	84.5	10
UNI-N20		149-155	M12/M16	222	40	4	M12	8		y	87.7	10
UNI-N21		159-165	M12/M16	232	40	4	M12	8		y	91	10
UNI-N22	6	167-173	M12/M16	240	40	4	M12	8	y	y	95	10
UNI-N23		176-182	M12/M16	265	40	4	M12	8			98	10
UNI-N24		188-194	M12/M16	273	40	4	M12	8			102.3	10
UNI-N25		199-205	M12/M16	284	40	4	M12	9			107.5	10
UNI-N26		207-216	M12/M16	294	40	4	M12	9			110	10
UNI-N27	8	219-226	M12/M16	304	40	4	M12	9			115	10
UNI-N27VDS	8	219-226	M16	304	40	4	M12	9		y	115	10
UNI-N28		227-236	M12/M16	315	40	4	M12	9			117.5	10
UNI-N29		244-250	M12/M16	329	40	4	M12	9			124	10
UNI-N30		251-261	M12/M16	340	40	4	M12	9			128	10
UNI-N31	10	267-273	M12/M16	352	40	4	M12	9			133	10
UNI-N31VDS	10	267-273	M20	352	40	4	M12	9		y	133	10
UNI-N32		278-284	M12/M16	363	40	4	M12	9			136	10
UNI-N33		297-304	M12/M16	382	40	4	M12	9			145	10
UNI-N34		305-316	M12/M16	395	40	4	M12	9			148	10
UNI-N35	12	316-324	M16	440	50	5	M16	15			229.8	1
UNI-N36	14	348-356	M16	471	50	5	M16	15			259.8	1
UNI-N37		360-368	M16	482	50	5	M16	15			279.8	1
UNI-N38	16	399-407	M16	520	50	5	M16	15			289.8	1
UNI-N39		411-419	M16	532	70	7	M16	15			329.8	1
UNI-N40	20	500-508	M16	619	70	7	M16	15			379.8	1

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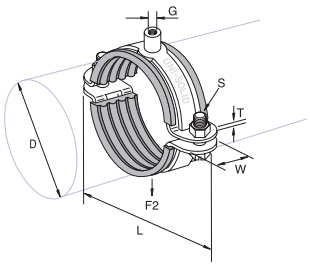
Pipe Clips

Solid R

Heavy Duty 2 screw Pipe Clip

Material : Steel DD11 - EN 10111 - EPDM/SBR black; SHORE A = 45° ± 5°
Temperature durability: -40°C bis +100°C; Sound insulation value on average 22 dB(A)
Finish : Electro zinc plated - EN ISO 19598



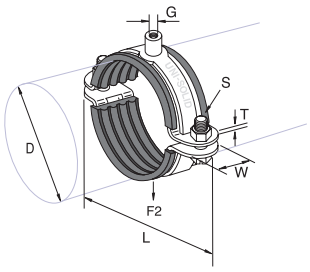
Art.Nr.	D Inch	D mm	G	L mm	W mm	T mm	S	F2 kN	KG /100	
UNI-R01	3/8	14-18	M8/M10	62	30	2.5	M6	2.5	15.6	50
UNI-R02	1/2	19-23	M8/M10	68	30	2.5	M6	2.5	17.3	50
UNI-R03	3/4	24-28	M8/M10	75	30	2.5	M6	4	16.8	50
UNI-R04		29-33	M8/M10	81	30	2.5	M6	4	17	50
UNI-R05	1	33-37	M8/M10	85	30	2.5	M6	4	18.4	50
UNI-R06	1 1/4	40-45	M8/M10	93	30	2.5	M6	4	20.8	50
UNI-R07	1 1/2	47-52	M8/M10	104	30	2.5	M6	4	22	50
UNI-R08		53-58	M8/M10	110	30	2.5	M6	4	23.3	50
UNI-R09	2	60-65	M8/M10	117	30	2.5	M6	4	25.4	50
UNI-R10		67-72	M10/M12	142	30	3	M8	5	31	25
UNI-R11	2 1/2	73-78	M10/M12	148	30	3	M8	5	35.9	25
UNI-R12		79-85	M10/M12	154	30	3	M8	5	38.1	25
UNI-R13	3	88-93	M10/M12	163	30	3	M8	5	40.2	25
UNI-R14		94-99	M10/M12	169	30	3	M8	5	41.5	25
UNI-R15		100-106	M10/M12	177	30	3	M8	5	43.1	25
UNI-R16	4	108-116	M10/M12	185	30	3	M8	5	45.5	25
UNI-R17		117-123	M10/M12	190	30	3	M8	5	49.3	25
UNI-R18		124-129	M12/M16	207	40	4	M12	8	9.6	10
UNI-R19		131-137	M12/M16	215	40	4	M12	8	9.9	10
UNI-R20	5	138-145	M12/M16	222	40	4	M12	8	105.2	10
UNI-R21		148-154	M12/M16	232	40	4	M12	8	109	10
UNI-R22		156-162	M12/M16	240	40	4	M12	8	112	10
UNI-R23	6	165-171	M12/M16	263	40	4	M12	8	116	10
UNI-R24		177-183	M12/M16	273	40	4	M12	8	120	10
UNI-R25		188-194	M12/M16	284	40	4	M12	8	128	10
UNI-R26		196-203	M12/M16	294	40	4	M12	9	132.6	10
UNI-R27		205-214	M12/M16	304	40	4	M12	9	133.4	10
UNI-R28	8	219-225	M12/M16	315	40	4	M12	9	142	10
UNI-R29		226-243	M12/M16	329	40	4	M12	9	151	10
UNI-R30		244-250	M12/M16	340	40	4	M12	9	154	10
UNI-R31		251-264	M12/M16	352	40	4	M12	9	157	10
UNI-R32	10	265-273	M12/M16	363	40	4	M12	9	167.1	10
UNI-R33		285-295	M12/M16	382	40	4	M12	9	170	10
UNI-R34		299-305	M12/M16	395	40	4	M12	9	178	10
UNI-R35	12	316-324	M16	454	50	5	M16	15	229.8	1
UNI-R36	14	348-356	M16	482	50	5	M16	15	279.8	1
UNI-R38	16	399-409	M16	534	50	5	M16	15	329.8	1

Pipe Clips

Solid S

Heavy Duty 2 screw Pipe Clip

Material : Steel DD11 - EN 10111 - Silicon rot; SHORE A = 40° ±5°
Temperature durability: -50°C bis +250°C; Sound insulation value on average 22 dB(A)
Finish : Electro zinc plated - EN ISO 19598



Art.Nr.	D Inch	D mm	G	L mm	W mm	T mm	S	F2 kN	VdS	KG /100	
UNI-S01	3/8	14-18	M8/M10	62	30	2.5	M6	2.5	y	14.5	50
UNI-S02	1/2	19-23	M8/M10	68	30	2.5	M6	2.5	y	16.6	50
UNI-S03	3/4	24-28	M8/M10	75	30	2.5	M6	4	y	15.3	50
UNI-S04		29-33	M8/M10	81	30	2.5	M6	4	y	16.1	50
UNI-S05	1	33-37	M8/M10	85	30	2.5	M6	4	y	18.3	50
UNI-S06	1 1/4	40-45	M8/M10	93	30	2.5	M6	4	y	18.7	50
UNI-S07	1 1/2	47-52	M8/M10	104	30	2.5	M6	4	y	22	50
UNI-S08		53-58	M8/M10	110	30	2.5	M6	4	y	23.1	50
UNI-S09	2	60-65	M8/M10	117	30	2.5	M6	4	y	25	50
UNI-S10		67-72	M10/M12	142	30	3	M8	5	y	31.7	25
UNI-S11	2 1/2	73-78	M10/M12	148	30	3	M8	5	y	35.7	25
UNI-S13	3	88-93	M10/M12	163	30	3	M8	5	y	38.3	25
UNI-S15		100-106	M10/M12	177	30	3	M8	5	y	42.8	25
UNI-S16	4	108-116	M10/M12	185	30	3	M8	5	y	46.6	25
UNI-S18		124-129	M12/M16	207	40	4	M12	8	y	92	10
UNI-S20	5	138-145	M12/M16	222	40	4	M12	8	y	100	10
UNI-S21		148-154	M12/M16	232	40	4	M12	8	y	95.3	10
UNI-S23	6	165-171	M12/M16	263	40	4	M12	8	y	114.7	10

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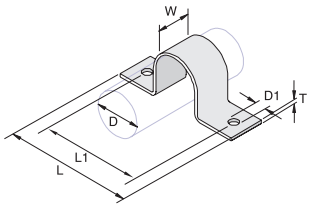
PS

Heavy Duty Pipe Clip

Material : Steel DD11 - EN 10111
Finish : Hot dip galvanised - EN ISO 1461: 2009



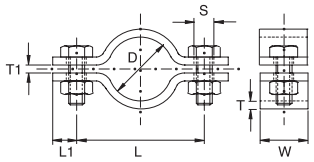
Art.Nr.	D Inch	DN	D1 mm	L mm	L1 mm	W mm	T mm	KG /100	
PS0153	1/2"	15	11	108	68	40	3	12.3	1
PS0203	3/4"	20	11	113	73	40	3	13.6	1
PS0253	1"	25	11	120	80	40	3	15.3	1
PS0323	1 1/4"	32	11	128	88	40	3	17.3	1
PS0403	1 1/2"	40	11	134	94	40	3	18.7	1
PS0503	2"	50	11	148	108	40	4	29	1
PS0653	2 1/2"	65	11	164	124	40	4	33.9	1
PS0803	3"	80	11	177	137	40	4	38.1	1
PS1003	4"	100	14	202	162	40	4	46.2	1
PS1253	5"	125	14	231	191	40	6	81.4	1
PS1503	6"	150	14	260	220	40	6	94.2	1
PS2003	8"	200	14	301	261	40	6	117	1
PS2503	10"	250	18	385	335	50	6	150	1
PS3003	12"	300	18	435	385	50	6	215.7	1

Pipe Clips

DIN 3567A

Pipe Clamp DIN3567A

Material : Steel DD11 - EN 10111
Finish : Hot dip galvanised - EN ISO 1461: 1999
On request: self colour & stainless steel



Art.Nr.	D Inch	D mm	L mm	L1 mm	W mm	T mm	T1 mm	S	KG /100	
35670343	1	33.7	72	15	30	5	7	11.5	20	25
35670433	1 1/4	42.4	82	15	30	5	7	11.5	23	25
35670493	1 1/2	48.3	88	15	30	5	7	11.5	26	25
35670613	2	60.3	108	18	40	6	9	14	56	10
35670773	2 1/2	76.1	122	18	40	6	9	14	64	10
35670893	3	88.9	136	18	40	6	9	14	73	10
35671153	4	114.3	178	24	50	8	11	18	159	1
35671693	6	168.3	232	24	50	8	11	18	199	1
35672203	8	219.1	284	24	50	8	11	18	261	1
35672733	10	273	348	30	60	8	14	23	375	1
35673243	12	323.9	398	30	60	8	14	23	452	1

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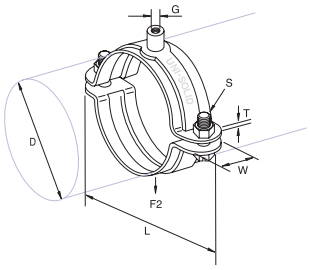
Solid ND

Heavy Duty 2 screw Pipe Clip

Material : Steel DD11 - EN 10111
Finish : Delta Tone - Corrosion resistance - EN ISO 9227



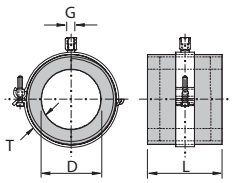
Art.Nr.	D Inch	D mm	G	L mm	W mm	T mm	S	F2 kN	KG /100	
UNI-N10D	2 1/2	76-81	M10/M12	142	30	3	M8	5	29.7	25
UNI-N12D	3	88-94	M10/M12	154	30	3	M8	5	32.3	25
UNI-N15D	4	110-116	M10/M12	177	30	3	M8	5	38.2	450
UNI-N19D	5	140-146	M12/M16	215	40	4	M12	8	84.5	10
UNI-N22D	6	167-173	M12/M16	240	40	4	M12	8	95	10
UNI-N34D		305-316	M12/M16	395	40	4	M12	9	148	10

Pipe Clips

KS

Cool pipe clip with PU and synthetic rubber ends

Material : Steel DD11 - EN 10111
Polyurethane 80 kg/m³; W=0,024-0,026 W/mK
Temperature durability: -45°C up to +120°C



Art.Nr.	D Inch	D mm	G	L mm	Max Span m	T13-16 mm	T19-26 mm	KG /100	
1160106	-	10	M8/M10	50	2	13		4.7	15
1160107	-	10	M8/M10	50	2		19	6.5	14
1160126	-	12	M8/M10	50	2	13		4.9	15
1160127	-	12	M8/M10	50	2		19	6.7	14
1160156	-	15	M8/M10	50	2	13		5.4	15
1160157	-	15	M8/M10	50	2		19	6.9	14
1160186	3/8	18	M8/M10	50	2.25	13		6	15
1160187	3/8	18	M8/M10	50	2.25		19	7.5	10
1160226	1/2	22	M8/M10	50	2.75	13		6.4	14
1160227	1/2	22	M8/M10	50	2.75		20	7.7	10
1160256	-	25	M8/M10	50	2.75	13		6.6	14
1160286	3/4	28	M8/M10	50	3	13.5		6.9	10
1160287	3/4	28	M8/M10	50	3		21	8.4	10
1160356	1	35	M8/M10	50	3.5	14		7.7	10
1160357	1	35	M8/M10	50	3.5		21.5	19	10
1160426	1 1/4	42	M8/M10	50	3.75	14.5		8.4	14
1160427	1 1/4	42	M8/M10	50	3.75		22	20.5	14
1160486	1 1/2	-	M8/M10	50	4.25	14.5		18.3	14
1160487	1 1/2	-	M8/M10	50	4.25		22.5	21.4	14
1160546	-	54	M8/M10	50	4.25	14.5		19.1	14
1160547	-	54	M8/M10	50	4.25		23	23.2	14
1160606	2	-	M8/M10	50	4.75		15	20.4	14
1160607	2	-	M8/M10	75	4.75		23.5	23.4	10
1160646	-	64	M8/M10	50	4.75	15		21.5	14
1160647	-	64	M8/M10	75	4.75		23.5	25.2	10
1160766	2 1/2	-	M8/M10	75	5.5	15		24.6	10
1160767	2 1/2	-	M8/M10	75	5.5		24	30	10
1160896	3	-	M8/M10	75	6	15.5		27.2	10
1160897	3	-	M8/M10	75	6		24.5	31.9	10
1161087	-	108	M12/M16	75	6		25	37.2	6
1161146	4	-	M8/M10	75	6	16		34.4	10
1161147	4	-	M12/M16	100	6		25.5	39.8	8
1161256	-	125	M12/M16	100	6	16		42.7	8
1161257	-	125	M12/M16	100	6		25.5	51.4	8
1161396	5	-	M12/M16	100	6	16		47.6	5
1161397	5	-	M12/M16	100	6		26	56.6	6
1161607	-	160	M12/M16	100	6		26	60.8	4
1161686	-	168	M12/M16	100	6	16		54.5	6
1161687	-	168	M12/M16	100	6		26	71.5	4
1162197	-	219	M12/M16	50	6	16	26	137,5	4

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Adhesive paste for PU inserts

Material : Adhesive paste for PU

PASTE

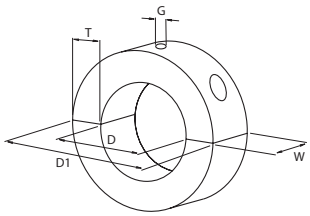
Art.Nr.	ML ml	KG /100	
PASTE	310	50	12

Pipe Clips

GKS

Cool pipe clip with PU 250 kg/m³

Material : Steel DD11 - EN 10111
Polyurethane 250 kg/m³; W=0.045 W/mK; μ=1200
Temperature durability: -45°C up to +105°C



Art.Nr.	DN	D mm	D1 mm	G	W mm	T30 mm	T40 mm	T60 mm	KG /100	
17502130	15	21.3	88	M8-1/2"	40	30			14.6	10
17502230	15	22	88	M8-1/2"	40	30			14.6	10
17502630	20	26.9	88	M8-1/2"	40	30			14.4	10
17502830	20	28	88	M8-1/2"	40	30			14.4	10
17503330	25	33.7	95	M8-1/2"	40	30			15.6	10
17503530	25	35	95	M8-1/2"	40	30			15.6	10
17504230	32	42.4	102	M8-1/2"	40	30			16.4	10
17504830	40	48.3	108	M8-1/2"	40	30			16.8	10
17505430	-	54	117	M8-1/2"	40	30			20	10
17505730	50	57	117	M8-1/2"	40	30			20	10
17506030	50	60.3	120	M8-1/2"	50	30			26	10
17506430	-	64	120	M8-1/2"	50	30			26	10
17507030	60	70	136	M10-1/2"	50	30			38.2	10
17507630	65	76.1	136	M10-1/2"	50	30			37.4	10
17508830	80	88.9	149	M10-1/2"	50	30			41.5	5
17510840	100	108	188	M10-1/2"	60		40		94	10
17511440	100	114.3	195	M10-1/2"	60		40		98	5
17513940	125	139.7	220	M10-1/2"	60		40		110	5
17515440	-	154	188	M10-1/2"	60		40		120.5	4
17516840	150	168.3	250	M12-1/2"	60		40		127.5	4
17521960	200	219.1	340	M16-3/4"	100		40		320	1
17527360	250	273	393	M16	100			60	512	1
17532460	300	324	444	M20	100			60	678	1
17535660	350	356	476	M20	100			60	818	1
17540660	400	406	526	M24	120			60	1134	1
17545760	450	457	577	M24	120			60	1248	1
17550860	500	508	628	M24	120			60	1416	1

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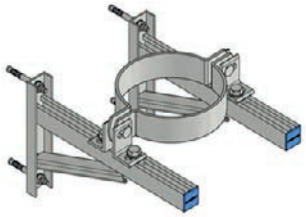
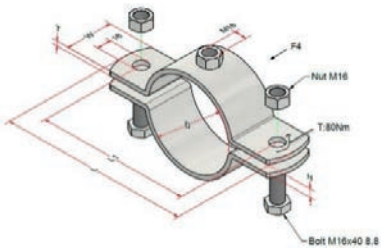
FIXPOINT Pipe Clip

Non-Insultated Fix Point

Material : S235
Finish : Electro zinc plated - EN ISO 19598



In the example above the non-insulated fix point is used in combination with fix point bracket FPBRACK17

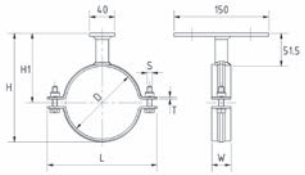


Art.Nr.	D Inch	D mm	L mm	WxT mm	L1 mm	H	F4 max kN	Torque Nm	KG /100	
5050343	1	34	158	50x5	112	9	6	80	0,6	1
5050423	1 1/4	42	166	50x5	120	9	6	80	0,7	1
5050483	1 1/2	48	173	50x5	126	9	6	80	0,7	1
5050603	2	60	184	50x5	138	9	6	80	0,8	1
5050763	2 1/2	76	200	50x5	154	9	6	80	0,9	1
5050893	3	89	213	50x5	167	9	8	80	1,0	1
5051143	4	114	241	60x6	194	11	8	80	1,2	1
5051403	5	140	268	60x6	220	11	8	80	1,8	1
5051683	6	168	296	60x6	248	11	8	80	2,0	1
5052193	8	219	347	60x6	299	11	8	80	2,5	1
5052733	10	273	401	60x6	353	11	8	80	3,0	1

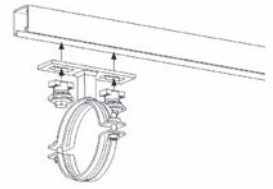
FP RD 40-160

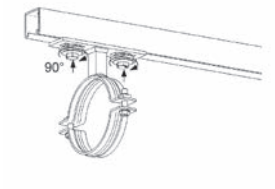
Roof Drainage Fix point DN40 to DN160

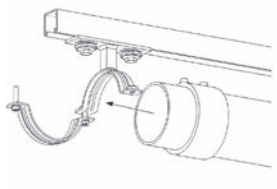
Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - EN ISO 19598

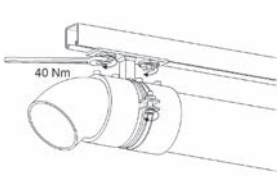


Art.Nr.	D mm	L mm	W mm	H mm	H1 mm	T mm	S	F2 kN	KG /100	
1136040	40	89	30	95	72	2.5	M6	4	37.2	10
1136050	50	103	30	107	78	2.5	M6	4	39.3	10
1136056	56	108	30	113	81	2.5	M6	4	40.2	10
1136063	63	116	30	119	84	2.5	M6	4	41.5	10
1136075	75	136	30	136	93	3	M8	5	50.8	5
1136090	90	147	30	149	99	3	M8	5	53.3	5
1136110	110	174	30	171	111	3	M8	5	58.5	5
1136125	125	189	30	185	117	3	M8	5	61.5	5
1136160	160	225	40	221	134	4	M10	8	106.4	5









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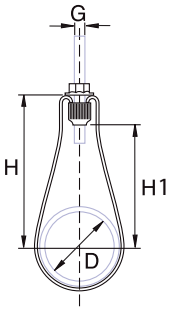
USP

Sprinkler hanger

Material : Steel DX51D+Z275 - EN 10327

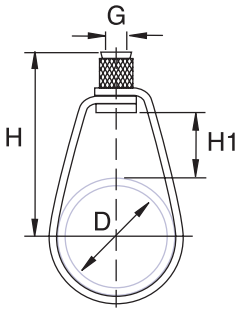


Art.Nr.	D Inch	DN	G	H mm	H1 mm	FM	VdS	KG /100	
USP2010	3/4	20	M10	57	42	y	y	4.2	50
USP25	1	25	M8	57	42		y	4.5	50
USP2510	1	25	M10	57	42	y	y	4.5	50
USP32	1 1/4	32	M8	57	42		y	4.8	50
USP3210	1 1/4	32	M10	57	42	y	y	4.8	50
USP40	1 1/2	40	M8	62	47		y	5.4	50
USP4010	1 1/2	40	M10	62	47	y	y	5.4	50
USP50	2	50	M8	72	57		y	6.4	50
USP5010	2	50	M10	72	57	y	y	6.4	50
USP65	2 1/2	65	M10	89	69	y	y	10.1	25
USP80	3	80	M10	104	84	y	y	11.6	25
USP100	4	100	M10	135	115	y	y	14.7	25
USP125	5	125	M12	151	129	y	y	17.5	25
USP150	6	150	M12	188	166	y	y	20.7	25
USP200	8	200	M16	236	214	y	y	35.6	10
USP250	10	250	M20	310	288		y	52.4	1

SPH

Sprinkler hanger

Material : Steel DX51D+Z275 - EN 10327



FM APPROVED

Art.Nr.	D Inch	DN	G	H mm	H1 mm	FM	KG /100	
SPH00212	1/2	15	M10	64	35		4.0	50
SPH00272	3/4	20	M10	64	32	y	4.0	50
SPH00341	1	25	M8	69	33		4.7	50
SPH00342	1	25	M10	69	33	y	4.5	50
SPH00421	1 1/4	32	M8	76	35		5.1	50
SPH00422	1 1/4	32	M10	76	35	y	4.9	50
SPH00481	1 1/2	40	M8	84	41		5.4	50
SPH00482	1 1/2	40	M10	84	41	y	5.2	50
SPH00601	2	50	M8	87	38		6.7	50
SPH00602	2	50	M10	87	38	y	6.5	50
SPH00762	2 1/2	65	M10	94	37	y	8.6	25
SPH00892	3	80	M10	107	42	y	10.0	25
SPH01142	4	100	M10	137	61	y	13.0	25
SPH01413	5	125	M12	164	71	y	31.0	20
SPH01683	6	150	M12	168	61	y	33.5	20
SPH02193	8	200	M12	223	90	y	54.0	10

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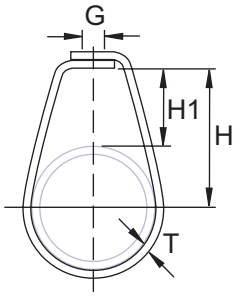
FILBOW

Sprinkler hanger

Material : Steel DX51D+Z275 - EN 10327
Stainless Steel - 1.4301

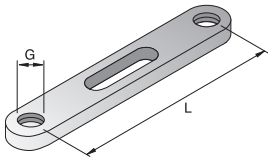


FM APPROVED

Art.Nr.	Mate-rial	D Inch	G	H mm	H1 mm	T mm	FM	LPCB	KG /100	
FIL40272	SS	3/4	11	45	32	1.0	y		2.8	100
FIL40342	SS	1	11	50	33	1.0	y		3.4	50
FIL40422	SS	1 1/4	11	56	34	1.0	y		3.6	50
FIL40482	SS	1 1/2	11	65	41	1.0	y		4.2	50
FIL40602	SS	2	11	68	38	1.0	y		4.6	50
FIL40762	SS	2 1/2	11	75	35	1.5	y		8.5	25
FIL40892	SS	3	11	88	42	1.5	y		9.7	25
FIL41142	SS	4	11	118	61	1.5	y		12.4	25
FIL41682	SS	6	13	145	61	2.0	y		31.1	20

Fixings for two pipe clips

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - EN ISO 12329

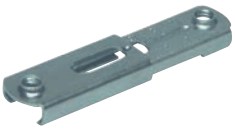


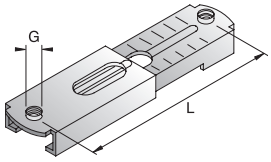
DH

Art.Nr.	G	L mm	KG /100	
1488551	M8	55	3.3	50
1488651	M8	65	3.5	50
1488851	M8	85	4	100
1481061	M8	105	6.4	50

Fixings for two pipe clips

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - EN ISO 19598



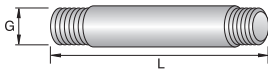


DHV

Art.Nr.	G	L mm	KG /100	
1486010	M8	60-105	4.8	100

Fixings for two pipe clips

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - EN ISO 19598

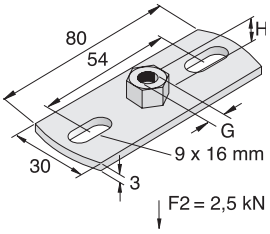


SB

Art.Nr.	G	L mm	KG /100	
1488133	M8	13	0.4	100
1488253	M8	25	1	100
1488353	M8	35	1.2	100
1488453	M8	45	1.6	100
1488553	M8	55	2	100
1488653	M8	65	2.4	100

Baseplates with thread connector

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - EN ISO 19598

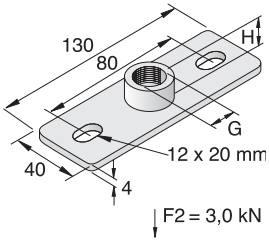


Type L

Art.Nr.	G	H mm	KG /100	
1460081	M8	11	5.9	100
1460101	M10	11	5.9	100
1460108	M8/M10	17	6	100
1460121	M12	13	6.3	100
1460221	1/2"	18	7.4	50

Baseplates with thread connector

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - EN ISO 19598



Type M

Art.Nr.	G	H mm	KG /100	
1462008	M8	12	15.6	50
1462010	M10	12	16.1	50
1462012	M12	14	15.9	50
1462016	M16	18	21	50
1462022	1/2"	20	21.1	50
1462028	3/4"	22	21.9	50

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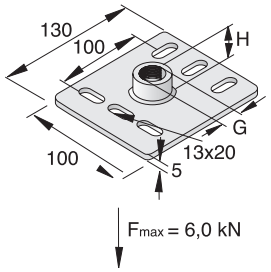
Baseplates with thread connector

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - EN ISO 19598

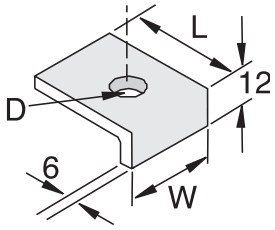


Type H

Art.Nr.	G	H mm	KG /100	
1461010	M10	13	45.1	10
1461012	M12	14	46.3	10
1461016	M16	18	48.9	10
1461022	1/2"	20	48.6	10
1461028	3/4"	22	49.6	10
1461034	1"	28	52.5	10

Sidebeam Attachments

Material : Steel DD11 - EN 10111
Finish : Hot dip galvanised - EN ISO 1461: 1999

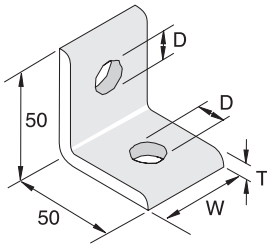


GIRDER

Art.Nr.	D mm	L mm	W mm	KG /100	
D606006M10	14	60	60	32	50
D505006M12	14	50	50	22	50

Sidebeam Attachments

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - DIN EN 12329 (G5050)
Hot dip galvanised - EN ISO 1461: 1999



MODEL 325

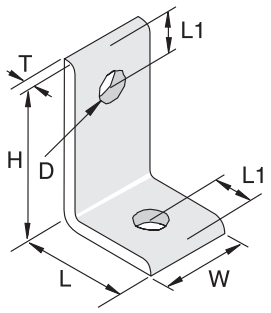
Art.Nr.	D mm	W mm	T mm	KG /100	
D325M102	11	50	5	19.6	50
G5050	11	30	5	11.8	50
D325M122	14	50	6	23.6	50

Pipe Clips

G4530-G6040

Sidebeam Attachments

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - DIN EN 12329

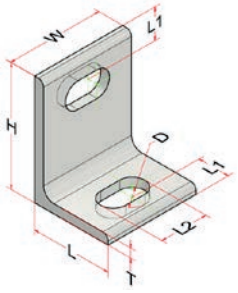


Art.Nr.	D mm	L mm	L1 mm	W mm	H mm	T mm	F2 kN	F4 kN	KG /100	
G4530	11	30	13	30	45	4	12	3.5	8.5	50
G6040	13	40	16	45	60	6	25	5.0	27.6	25

FIXPOINT Bracket

FIXPOINT Bracket

Material : S235JR
Finish : Electro zinc plated



Art.Nr.	D [mm]	L [mm]	L1 [mm]	L2 [mm]	W [mm]	H [mm]	T [mm]
FPBRACKET	13	50	20	30	50	75	6
FPBRACK17	17	50	20	30	60	75	6

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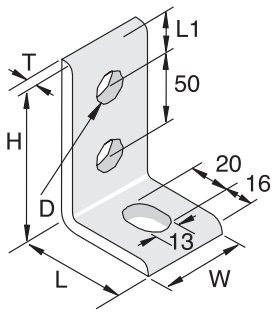
Pipe Clips

G9060

Sidebeam Attachments

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - DIN EN 12329

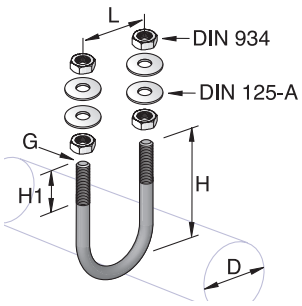


Art.Nr.	D mm	L mm	L1 mm	W mm	H mm	T mm	F2 kN	F4 kN	KG /100	
G9060	13	60	15	45	90	6	32	8.0	44.5	25

170C

U-bolt assembly with 2 nuts & 2 washers

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - DIN EN 12329



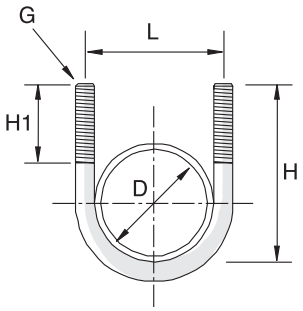
Art.Nr.	D Inch	D mm	G	L mm	H mm	H1 mm	KG /100	
170C02112	1/2	21.3	M8	31	37	20	5.8	100
170C02712	3/4	26.9	M8	36	64	30	6.8	100
170C03412	1	33.7	M8	44	54	30	7.8	100
170C04212	1 1/4	42.4	M8	52	67	35	9.8	100
170C04812	1 1/2	48.3	M8	57	78	40	10.8	100
170C06022	2	50	M10	73	90	40	17.4	50
170C07622	2 1/2	65	M10	89	103	40	18.4	50
170C08922	3	80	M10	100	113	50	21.4	50
170C11432	4	114.3	M12	126	144	50	35.8	50
170C13932	5	139.7	M12	156	169	60	38.8	25
170C16832	6	168.3	M12	182	194	60	41.8	25
170C21932	8	219.1	M12	236	251	60	54.8	25

Pipe Clips

P170

U bolt

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - DIN EN 12329



Art.Nr.	D Inch	D mm	G	L mm	H mm	H1 mm	KG /100	
170002102	1/2	21.3	M6	29	37	20	2	100
170002112	1/2	21.3	M8	31	37	20	3	100
170002702	3/4	26.9	M6	34	48	25	2	100
170002712	3/4	20	M8	36	42	36	4	100
170003402	1	33.7	M6	41	60	32	3	100
170003412	1	33.7	M8	44	44	30	5	100
170003422	1	33.7	M10	46	52	30	7	100
170004212	1 1/4	42.4	M8	52	67	35	7	100
170004222	1 1/4	42.4	M10	54	67	35	8	100
170004812	1 1/2	48.3	M8	57	78	40	8	100
170004822	1 1/2	48.3	M10	59	78	40	9	100
170006012	2	60.3	M8	71	90	35	9	100
170006022	2	60.3	M10	73	90	40	11	100
170006032	2	60.3	M12	75	90	35	16	100
170007622	2 1/2	76.1	M10	89	103	40	12	100
170007632	2 1/2	76.1	M12	91	105	35	18	50
170008922	3	88.9	M10	100	115	50	15	50
170008932	3	88.9	M12	102	115	38	20	50
170011422	4	114.3	M10	124	146	50	17	50
170011432	4	114.3	M12	126	144	50	27	50
170011442	4	114.3	M16	130	140	38	31	50
170013932	5	139.7	M12	156	173	60	30	25
170016832	6	168.3	M12	182	198	60	33	25
170016842	6	168.3	M16	186	191	38	50	25
170021932	8	219.1	M12	236	255	60	46	25
170021942	8	219.1	M16	240	255	38	60	25
170027332	10	273	M12	290	313	38	60	10
170027342	10	273	M16	294	313	38	110	10
170027352	10	273	M20	298	313	38	180	10
170032432	12	323.9	M12	341	364	38	80	5
170032442	12	323.9	M16	345	364	38	130	1
170032452	12	323.9	M20	349	364	38	220	1

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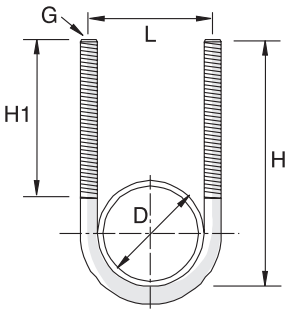
Pipe Clips

P171

U bolt

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - DIN EN 12329



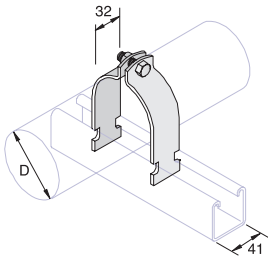
Art.Nr.	D Inch	D mm	G	L mm	H mm	H1 mm	KG /100	
171002102	1/2	21.3	M6	29	97	70	3	100
171002112	1/2	21.3	M8	31	97	70	4	100
171002702	3/4	26.9	M6	34	109	70	4	100
171002712	3/4	26.9	M8	36	109	70	5	100
171003402	1	33.7	M6	41	111	70	5	100
171003412	1	33.7	M8	44	111	70	7	100
171003422	1	33.7	M10	46	111	70	10	100
171004212	1 1/4	42.4	M8	52	122	90	10	100
171004222	1 1/4	42.4	M10	54	122	90	12	100
171004812	1 1/2	48.3	M8	57	127	90	11	100
171004822	1 1/2	48.3	M10	59	127	90	13	100
171006012	2	60.3	M8	71	140	90	13	100
171006022	2	60.3	M10	73	140	90	15	100
171007622	2 1/2	76.1	M10	89	152	90	16	50
171008922	3	88.9	M10	100	168	90	19	50
171008932	3	88.9	M12	102	168	90	25	50
171011422	4	114.3	M10	124	193	90	21	50
171011432	4	114.3	M12	126	193	90	32	50
171013932	5	139.7	M12	156	213	90	36	25
171016832	6	168.3	M12	182	240	90	40	25
171016842	6	168.3	M16	186	240	90	70	25
171021932	8	219.1	M12	236	313	90	55	25
171021942	8	219.1	M16	240	313	90	90	10
171027332	10	273	M12	290	363	100	70	10
171027342	10	273	M16	294	363	100	150	10
171032432	12	323.9	M12	341	413	100	100	1
171032442	12	323.9	M16	345	413	100	200	1

Pipe Clips

Pipe Clamp for Kwikstrut Channel

Material : Steel DX51D + Z275 - EN 10142

K1108-K1155



Art.Nr.	D mm	KG /100	
K1108	8.7-10.3	3.3	20
K1110	11.9-13.5	3.8	20
K1111	13.5-14.3	3.9	20
K1113	15.9-18.3	4.1	20
K1114	18.3-20.6	4.5	20
K1115	19.0-21.4	4.7	20
K1116	21.4-25.4	4.9	20
K1117	25.4-27.8	5.3	20
K1118	27.0-30.2	6.4	20
K1119	30.2-33.8	7.2	20
K1120	31.8-35.9	7.2	20
K1121	34.9-39.7	7.9	20
K1122	39.7-42.9	8.4	20
K1123	42.9-46.8	9	20
K1124	46.8-50.8	12.8	20
K1125	48.4-52.4	13.1	20
K1126	52.4-58.7	13.7	20
K1127	58.7-63.5	15	20
K1128	63.5-68.3	15.3	20
K1129	68.3-73.0	15.6	20
K1130	73.0-79.4	16	20
K1131	76.2-82.6	17.5	20
K1132	82.6-88.1	18.9	20
K1133	88.1-95.2	20.3	20
K1134	95.2-100.0	21.9	20
K1135	100.0-106.4	27	20
K1136	106.4-111.1	29.1	20
K1137	111.1-120.7	29.6	20
K1138	120.7-129.4	31.8	20
K1139	129.4-138.1	34	20
K1140	138.1-149.2	34.8	20
K1141	149-2-161.9	37.6	20
K1142	161.9-174.6	41	20
K1143	174.6-182.6	44.6	20
K1145	190.5-203.2	49.1	20
K1146	203.3-212.7	50.1	20
K1147	212.7-225.5	50.5	20
K1148	225.4-238.1	52.4	20
K1149	238.1-250.8	55.5	20
K1150	250.8-263.5	57.6	20
K1151	263.5-276.2	59	20
K1155	314.3-327.0	69.9	20

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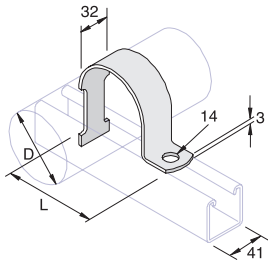
Pipe Clamp for Kwikstrut Channel

Material : Steel DD11 - EN 10111
Finish : Hot dip galvanised - EN ISO 1461: 1999

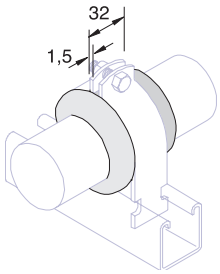


KS2A-KS2N

Art.Nr.	DN	D mm	L mm	KG /100	
KS2/AH	15	21.3	66	5.9	100
KS2/BH	20	26.9	73	7	100
KS2/CH	25	33.7	81	8.5	80
KS2/DH	32	42.4	90	10	80
KS2/EH	40	48.3	96	12.2	80
KS2/FH	50	60.3	96	13.5	40
KS2/GH	65	76.1	113	16.5	50
KS2/HH	80	88.9	125	18.9	50
KS2/JH	90	102	137	21.4	40
KS2/KH	100	114.1	150	24	30
KS2/LH	125	139.7	175	28.7	30
KS2/MH	150	168.3	204	34.2	30
KS2/NH	200	219.1	255	44.2	20

EPDM insulation for K11 and KS2 series clamps

Material : EPDM/SBR black; SHORE A = 45° ñ 5°
Temperature durability:-50°C up to +110°C



P2600 UNI-CUSHION

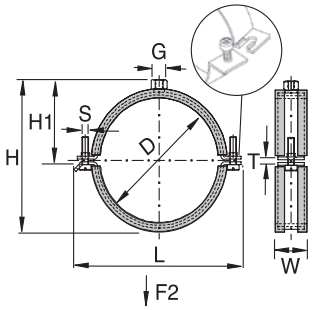
Art.Nr.	L mm		KG /100
P2600	8000	1	102

Pipe Clips

Standard-R-SS

2 Screw pipe clip stainless steel

Material : Stainless Steel – 1.4301 (304 ; A2)
EPDM/SBR black; SHORE A = 45° ±5°
Temperature durability: -40°C up to +100°C
Sound insulation value on average 22 dB(A)



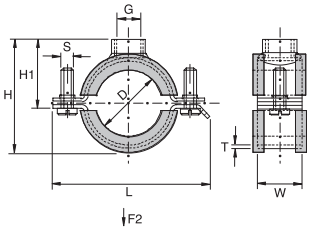
Sound insulation tested

Art.Nr.	D Inch	D mm	G	L mm	W mm	H mm	H1 mm	T mm	S	F2 kN	KG /100	
1350152	-	14-17	M8	55	20	34	20	1	M5	0.6	3.6	100
1350182	3/8	17-20	M8	58	20	36	22	1	M5	0.6	3.8	100
1350222	1/2	21-24	M8	59	20	40	23	1	M5	0.6	4.5	100
1350282	3/4	27-30	M8	66	20	46	26	1	M5	0.6	4.9	100
1350352	1	33-36	M8	73	20	52	30	1	M5	0.6	5.6	100
1350402	-	38-41	M8	79	20	56	31	1	M5	0.6	5.5	100
1350422	1 1/4	42-45	M8	82	20	60	34	1	M5	0.6	6.3	50
1350482	1 1/2	48-51	M8	89	20	66	37	1	M5	0.6	6.2	50
1350542	-	54-57	M8	98	20	73	41	1.5	M5	1.4	8.4	50
1350752	2 1/2	72-78	M8/M10	123	25	100	56	1.5	M6	1.9	15.5	50
1350882	3	84-89	M8/M10	134	25	108	61	2	M6	2.3	20.1	50
1351142	4	109-114	M8/M10	162	25	136	81	2	M6	2.3	24.3	50

Massiv-R-SS

2 Screw pipe clip stainless steel

Material : Stainless Steel - 1.4301 (304 ; A2)
EPDM/SBR black; SHORE A = 45° ±5°
Temperature durability: -40°C up to +100°C
Sound insulation value on average 22 dB(A)



Sound insulation tested

Baustoffklasse B2 "Normal entflammbar" nach DIN 4102

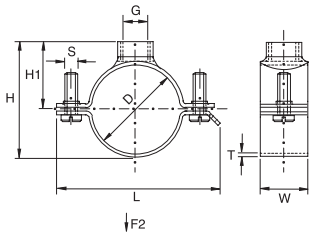
Art.Nr.	D Inch	D mm	G	L mm	W mm	H mm	H1 mm	T mm	S	F2 kN	KG /100	
1350183	3/8	14-20	M10	76	30	46	26	2	M8	5.7	12.6	25
1350223	1/2	20-26	M10	79	30	53	30	2	M8	5.7	13.8	25
1350283	3/4	25-31	M10	87	30	59	33	2	M8	5.7	14.9	25
1350353	1	32-38	M10	94	30	69	37	2	M8	5.7	17.0	25
1350423	1 1/4	40-46	M10	102	30	74	41	2	M8	5.7	18.7	25
1350483	1 1/2	48-54	M10	109	30	83	45	2	M8	5.7	20.3	25
1350603	2	56-62	M10	118	30	92	49	2	M8	5.7	22.2	25
1350761	2 1/2	72-78	M10	149	30	116	64	3	M10	3.8	41.4	1
1350893	3	86-91	M12	162	30	130	71	3	M10	3.8	44.9	1
1351143	4	108-116	M12	191	30	156	83	3	M10	3.8	51.8	1
1351251	-	122-130	M10	211	40	171	90	4	M10	4.85	90.6	150
1351451	5	139-147	M10	232	40	187	99	4	M10	4.85	103.6	1
1351603	-	157-165	M12	246	40	206	108	4	M10	4.85	109	1
1351681	6	165-170	M10	255	40	211	110	4	M10	4.85	111	1
1351683	6	165-170	M12	255	40	211	110	4	M10	4.85	111	1

Pipe Clips

Massiv-N-SS

2 Screw pipe clip stainless steel

Material : Stainless Steel - 1.4301 (304 ; A2)



Art.Nr.	D Inch	D mm	G	L mm	W mm	H mm	H1 mm	T mm	S	F2 kN	KG /100	
1350184	3/8	14-20	M10	76	30	46	26	2	M8	5.7	9.8	25
1350224	1/2	20-26	M10	79	30	53	30	2	M8	5.7	10	25
1350284	3/4	25-31	M10	87	30	59	33	2	M8	5.7	10.7	25
1350354	1	32-38	M10	94	30	69	37	2	M8	5.7	12	25
1350424	1 1/4	40-46	M10	102	30	74	41	2	M8	5.7	13	25
1350484	1 1/2	48-54	M10	109	30	83	45	2	M8	5.7	14	25
1350544	-	53-55	M10	113	30	84	46	2	M8	5.7	14.3	25
1350604	2	56-62	M10	118	30	92	49	2	M8	5.7	15.5	25
1350760	2 1/2	72-78	M10	149	30	116	64	3	M10	3.8	32.2	1
1350764	2 1/2	72-78	M12	149	30	116	64	3	M10	3.8	32.2	1
1350890	3	86-91	M10	162	30	130	71	3	M10	3.8	34.8	1
1350894	3	86-91	M12	162	30	130	71	3	M10	3.8	34.8	1
1351140	4	108-116	M10	191	30	156	83	3	M10	3.8	41	1
1351144	4	108-116	M12	191	30	156	83	3	M10	3.8	41	1
1351454	5	139-147	M12	232	40	187	99	4	M10	4.85	75.6	1
1351604	-	157-165	M12	246	40	206	108	4	M10	4.85	84.5	1
1351684	6	165-170	M12	255	40	211	110	4	M10	4.85	96.2	1
1352194	8	216-224	M12	315	40	268	137	5	M10	8.6	129.4	1
1352674	10	265-275	M12	336	40	308	163	5	M10	8.6	182.7	1
1353264	12	322-333	M12	412	40	374	190	5	M10	8.6	220.1	1

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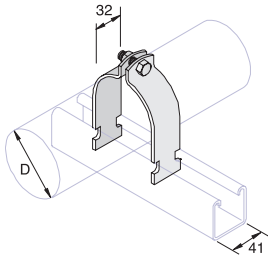
Pipe Clamp for Kwikstrut Channel Stainlees Steel

Material : Stainless Steel - 1.4404 - EN 10088-2



K1108-K1155-SS

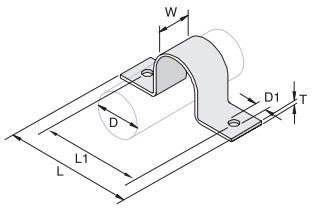
Art.Nr.	D mm	KG /100	
K1108SS	8.7 - 10.3	3	150
K1109SS	10.3-12.7	5.3	150
K1110SS	11.9-13.5	5.4	150
K1114SS	18.3-20.6	5.9	150
K1115SS	19.0-21.4	6	150
K1116SS	21.4-25.4	8.1	100
K1117SS	25.4-27.8	8.3	100
K1119SS	30.2-33.8	8.8	100
K1120SS	31.8-35.9	9.4	100
K1124SS	46.8-50.8	14.6	50
K1125SS	48.4-52.4	14.7	50
K1127SS	58.7-63.5	15.6	50
K1128SS	63.5-68.3	15.9	50
K1130SS	73.0-79.4	16.8	50
K1132SS	82.6-88.1	17.1	50
K1133SS	88.1-95.2	17.9	50
K1135SS	100.0-106.4	21.9	25
K1137SS	111.1-120.7	24.7	25
K1138SS	120.7-129.4	25.5	25
K1142SS	161.9-174.6	38.1	25
K1145SS	190.5-203.2	40.0	20
K1147SS	212.7-225.5	41.9	20
K1151SS	263.5-276.2	54.0	15

Pipe Clips

PS-SS

Pipe saddle

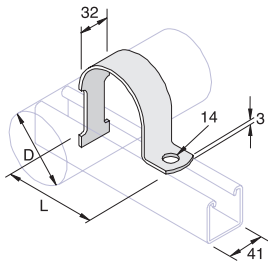
Material : Stainless Steel - 1.4301 (304 ; A2)



Art.Nr.	D Inch	DN	D1 mm	L mm	L1 mm	W mm	T mm	KG /100	
PS0204	3/4"	20	11	113	73	40	3	13	1
PS0254	1"	25	11	120	80	40	3	15	1
PS0324	1 1/4"	32	11	128	88	40	3	16	1
PS0404	1 1/2"	40	11	134	94	40	3	17	1
PS0504	2"	50	11	148	108	40	4	26	1
PS0654	2 1/2"	65	11	164	124	40	4	30	1
PS0804	3"	80	11	177	137	40	4	35	1
PS1004	4"	100	14	202	162	40	4	47	1
PS1254	5"	125	14	231	191	40	6	69	5
PS1504	6"	150	14	260	220	40	6	80	5
PS2004	8"	200	14	301	261	40	6	130	100
PS2504	10"	250	18	385	335	50	6	190	5

Pipe Clamp for Kwikstrut Channel Stainlees Steel

Material : Stainless Steel - 1.4404 - EN 10088-2



SS2A-SS2N-SS

Art.Nr.	DN	D mm	L mm	KG /100	
KS2/ASS	15	21.3	66	6.1	100
KS2/BSS	20	26.9	73	7.2	100
KS2/CSS	25	33.7	81	9.3	100
KS2/DSS	32	42.4	90	10.2	75
KS2/ESS	40	48.3	96	11.5	75
KS2/FSS	50	60.3	96	13.8	40
KS2/GSS	65	76.1	113	16.8	50
KS2/HSS	80	88.9	125	19.3	50
KS2/KSS	100	114.1	150	24.5	40

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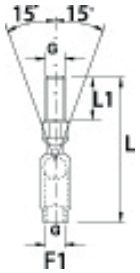
Rod Swivel

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - EN ISO 12329

RS



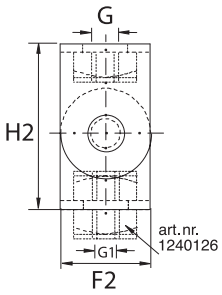
Art.Nr.	G	L mm	L1 mm	F1 kN	KG /100	
1240850	M8	50	15	2,5	5,2	100
1241077	M10	77	18	2,5	6,8	100
1241211	M12	107	20	3,0	12	100

Fix Points & Slides

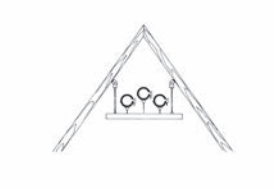
GHML

Adjustable Angle Fittings with sound insulation

Material : Steel DD11 - EN 10111; Nut DIN928; Bolt QST36-3
Finish : Electro zinc plated - EN ISO 19598



Art.Nr.	G	G1	L mm	W mm	H mm	F2 kN	KG /100	
1240086	M8	M8	25	36	45	3.5	11.4	100
1240106	M10	M10	25	36	45	3.5	11.2	100
1240126	M12	M12	25	36	64	3.5	12.0	100



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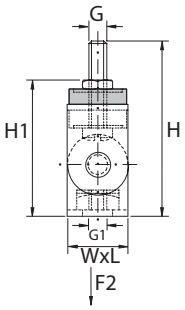
GHMR

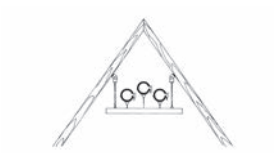
Adjustable Angle Fittings with sound insulation

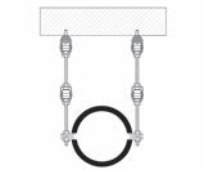
Material : Steel DD11 - EN 10111; Nut DIN928; Bolt QST36-3; EPDM
Finish : Electro zinc plated - EN ISO 19598



Sound insulation tested

Art.Nr.	G	G1	L mm	W mm	H mm	H1 mm	F2 kN	KG /100	
1240886	M8	M8	25	36	70	60	1	13.1	100

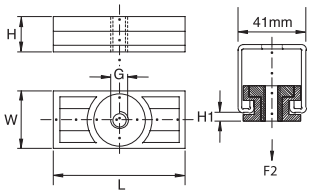




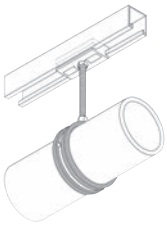
US

Slideblock for Kwikstrut channel

Material : Polyamid
Steel 1.0715
Finish : Electro zinc plated - EN ISO 19598



Art.Nr.	G	L mm	W mm	H mm	H1 mm	F2 kN	KG /100	
1241076	M10	80	35	21	4	3	6.8	10
1241276	M12	80	35	21	4	3	6.3	10



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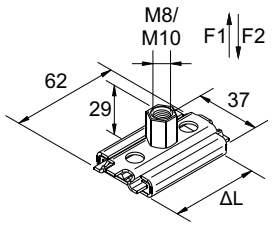
Slide Guide Type S

Material : Steel DD11 - EN 10111
Polyamide (PA) ;μ0=0,18 - μ=0,14; Tmax=+120°C
Finish : Electro zinc plated - EN ISO 19598

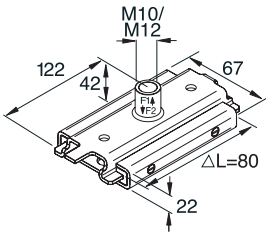


ES-1S

Art.Nr.	Delta L mm	F1 kN	F2 kN	KG /100	
1240810	42	0.7	0.7	7.6	50

Slide Guide Type M

Material : Steel DD11 - EN 10111
Polyamide (PA) ; μ0=0,18 - μ=0,14;
Tmax=+120°C
Finish : Electro zinc plated - EN ISO 19598

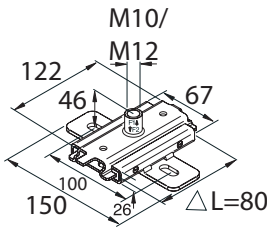


ES-1M

Art.Nr.	Delta L mm	F1 kN	F2 kN	KG /100	
1241291	80	2.3	2.3	40.4	10

Slide Guide Type M

Material : Steel DD11 - EN 10111
Polyamide (PA) ; μ0=0,18 - μ=0,14; Tmax=+120°C
Finish : Electro zinc plated - EN ISO 19598

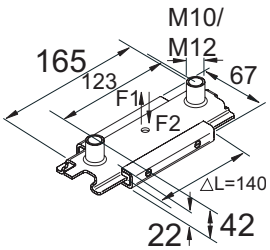


ES-1MV

Art.Nr.	Delta L mm	F1 kN	F2 kN	KG /100	
1241295	80	2.3	2.3	60.0	10

Slide Guide Type M

Material : Steel DD11 - EN 10111
Polyamide (PA) ; μ0=0,18 - μ=0,14; Tmax=+120°C
Finish : Electro zinc plated - EN ISO 19598

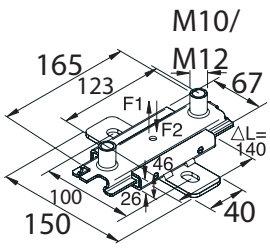


ES-2M

Art.Nr.	Delta L mm	F1 kN	F2 kN	KG /100	
1241292	140	2.3	2.3	48.7	10

Slide Guide Type M

Material : Steel DD11 - EN 10111
Polyamide (PA) ; μ0=0,18 - μ=0,14; Tmax=+120°C
Finish : Electro zinc plated - EN ISO 19598



ES-2MV

Art.Nr.	Delta L mm	F1 kN	F2 kN	KG /100	
1241296	140	2.3	2.3	68.7	10

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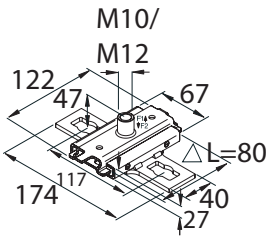
Slide Guide Type M

Material : Steel DD11 - EN 10111
Polyamide (PA) ; μ0=0,18 - μ=0,14; Tmax=+120°C
Finish : Electro zinc plated - EN ISO 19598

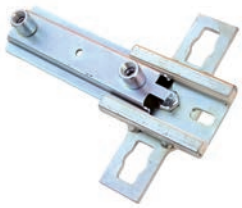


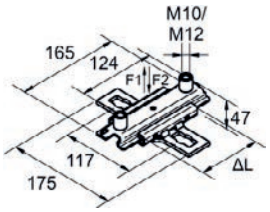
ES-1MQ

Art.Nr.	Delta L mm	F1 kN	F2 kN	KG /100	
1241235	80	2.3	2.3	69.7	10

Slide Guide Type M

Material : Steel DD11 - EN 10111
Polyamide (PA) ; μ0=0,18 - μ=0,14; Tmax=+120°C
Finish : Electro zinc plated - EN ISO 19598





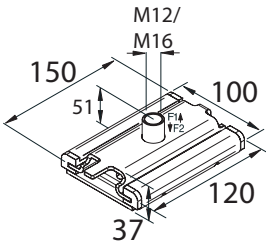
ES-2MQ

Art.Nr.	Delta L mm	F1 kN	F2 kN	KG /100	
1241255	140	2.3	2.3	76.3	10

Fix Points & Slides

Slide Guide Type H

Material : Steel DD11 - EN 10111
Polyamphenylensulfid (PPS) ; μ0=0,18 - μ=0,14;
Tmax=+240°C
Finish : Electro zinc plated - EN ISO 19598

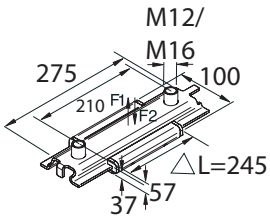


ES-1H

Art.Nr.	Delta L mm	F1 kN	F2 kN	KG /100	
1241668	120	9	5	109.0	10

Slide Guide Type H

Material : Steel DD11 - EN 10111
Polyamphenylensulfid (PPS) ; μ0=0,18 - μ=0,14;
Tmax=+240°C
Finish : Electro zinc plated - EN ISO 19598

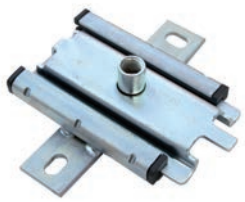


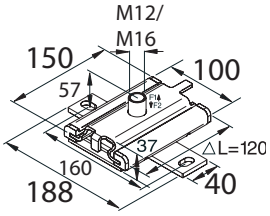
ES-2H

Art.Nr.	Delta L mm	F1 kN	F2 kN	KG /100	
1241628	245	9	5	151.1	10

Slide Guide Type H

Material : Steel DD11 - EN 10111
Polyamphenylensulfid (PPS) ; μ0=0,18 - μ=0,14;
Tmax=+240°C
Finish : Electro zinc plated - EN ISO 19598



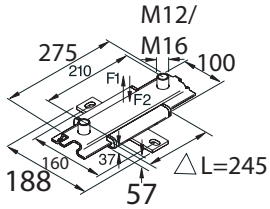


ES-1HV

Art.Nr.	Delta L mm	F1 kN	F2 kN	KG /100	
1241664	120	9	5	145.2	10

Slide Guide Type H

Material : Steel DD11 - EN 10111
Polyamphenylensulfid (PPS) ; μ0=0,18 - μ=0,14;
Tmax=+240μC
Finish : Electro zinc plated - EN ISO 19598



ES-2HV

Art.Nr.	Delta L mm	F1 kN	F2 kN	KG /100	
1241624	245	9	5	189.3	10

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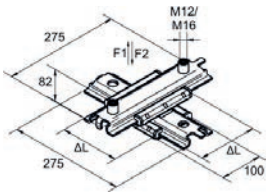
2-Way Slide Guide Type Quadro

Material : Steel DD11- EN 10111
1241293 = Polyamid (PA) μ0=0,18 - μ=0,14; Tmax=+120°C
1241693 = Polyamphenylensulfid (PPS) μ0=0,18 - μ=0,14; Tmax=+240°C

Finish : Electro zinc plated - EN ISO 19598



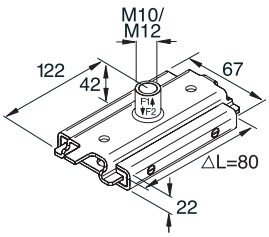
Quadro

Art.Nr.	Delta L mm	F1 kN	F2 kN	KG /100	
1241293	80	2.3	2.3	92.9	10
1241693	245	5.0	9.0	296.0	10

Fix Points & Slides

Slide Guide Type M

Material : Steel DD11 - EN 10111
Polyamide (PA) ; μ0=0,18 - μ=0,14; Tmax=+120°C
Finish : Delta Tone - Corrosion resistance - EN ISO 9227

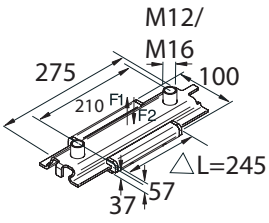


ES-1M-HDG

Art.Nr.	Delta L mm	F1 kN	F2 kN	KG /100	
1241240	80	2.3	2.3	40.4	10

Slide Guide Type H

Material : Steel DD11 - EN 10111
Polyamphenylensulfid (PPS) ; μ0=0,18 - μ=0,14;
Tmax=+240°C
Finish : Delta Tone - Corrosion resistance - EN ISO 9227



ES-2H-HDG

Art.Nr.	Delta L mm	F1 kN	F2 kN	KG /100	
1240275	245	5	9	151.1	10

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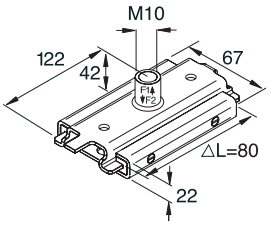
Slide Guide Type M

Material : Stainless Steel - 1.4404 - EN 10088-2
Polyamide (PA) ; μ0=0,18 - μ=0,14; Tmax=+120°C

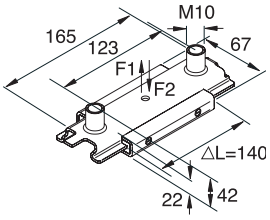


ES-1M-SS

Art.Nr.	Delta L mm	F1 kN	F2 kN	KG /100	
1352401	80	2.3	2.3	37.3	100

Slide Guide Type M Stainless Steel

Material : Stainless Steel - 1.4404 - EN 10088-2
Polyamide (PA) ; μ0=0,18 - μ=0,14; Tmax=+120°C

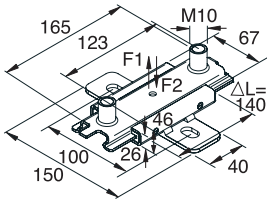


ES-2M-SS

Art.Nr.	Delta L mm	F1 kN	F2 kN	KG /100	
1352405	140	2.3	2.3	44.0	10

Slide Guide Type M Stainless Steel

Material : Stainless Steel - 1.4404 - EN 10088-2
Polyamide (PA) ; μ0=0,18 - μ=0,14; Tmax=+120°C



ES-2MV-SS

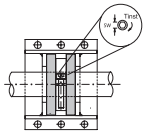
Art.Nr.	Delta L mm	F1 kN	F2 kN	KG /100	
1352406	140	2.3	2.3	64.5	10

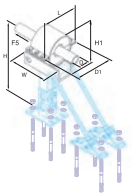
Fix Points & Slides

HERKULES H

Fix Point Herkules

Material : Steel DD11 - EN 10111
1501151 - 1501738: EPDM/SBR black; SHORE A = 45°±5°; T = -40°C - +100°C
1502151 - 1502738: Silicon; SHORE A = 40°±5°; T = -50°C - +250°C
Finish : Electro zinc plated - EN ISO 19598 + clambing ring nickel plated - EN 12540





Art.Nr.	D Inch	D mm	D1 mm	L mm	W mm	H mm	H1 mm	F5 kN	Tinst Nm	Suitable for:	pcs.	SW mm	KG /100	
1501181	3/8	18	74	120	140	200-1000	115	3	15	FAZ-IIPLUS10/10-FAZ-IIPLUS12/10	4+1	5	150.4	1
1501281	3/4	28	74	120	140	200-1000	115	3	15	FAZ-IIPLUS10/10-FAZ-IIPLUS12/10	4+1	5	146.3	1
1501352	1	35	92	140	140	200-1000	135	5	15	FAZ-IIPLUS10/10-FAZ-IIPLUS16/10	4+1	5	179.4	1
1501422	1 1/4	42	92	140	140	200-1000	135	5	15	FAZ-IIPLUS10/10-FAZ-IIPLUS12/10	4+1	5	173.9	1
1501483	1 1/2	48	125	175	160	200-1000	170	10	30	FAZ-IIPLUS10/10-FAZ-IIPLUS16/10	4+2	6	363.6	1
1501543	-	54	125	175	160	200-1000	170	10	30	FAZ-IIPLUS10/10-FAZ-IIPLUS16/10	4+2	6	363.9	1
1501603	2	60	125	175	160	200-1000	170	10	30	FAZ-IIPLUS10/10-FAZ-IIPLUS16/10	4+2	6	351.9	1
1501764	2 1/2	76	150	205	180	200-1000	190	15	30	FAZ-IIPLUS10/10-FAZ-IIPLUS16/20	4+4	6	516.7	1
1501894	3	89	150	205	180	200-1000	190	15	30	FAZ-IIPLUS10/10-FAZ-IIPLUS16/20	4+4	6	490.9	1
1501145	4	114	205	280	200	200-1000	260	20	60	FAZ-IIPLUS10/10-FAZ-IIPLUS20/30	4+4	8	956.4	1
1501405	5	140	205	280	200	200-1000	260	20	60	FAZ-IIPLUS10/10-FAZ-IIPLUS20/30	4+4	8	869.8	1
1501686	6	168	275	355	200	310-1000	318	30	-	FAZ-IIPLUS10/10-FAZ-IIPLUS20/60	4+8	-	2087	1
1502352	1	35	92	140	140	200-1000	135	5	15	FAZ-IIPLUS10/10-FAZ-IIPLUS16/10	4+1	5	177.4	1
1502483	1 1/2	48	125	175	160	200-1000	170	10	30	FAZ-IIPLUS10/10-FAZ-IIPLUS16/10	4+2	6	363.6	1
1502543	-	54	125	175	160	200-1000	170	10	30	FAZ-IIPLUS10/10-FAZ-IIPLUS16/10	4+2	6	361.9	1
1502603	2	60	125	175	160	200-1000	170	10	30	FAZ-IIPLUS10/10-FAZ-IIPLUS16/10	4+2	6	351.5	1
1502764	2 1/2	76	150	205	180	200-1000	190	15	30	FAZ-IIPLUS10/10-FAZ-IIPLUS16/20	4+4	6	514.5	1
1502894	3	89	150	205	180	200-1000	190	15	30	FAZ-IIPLUS10/10-FAZ-IIPLUS16/20	4+4	6	486.3	1
1502145	4	114	205	280	200	200-1000	260	20	60	FAZ-IIPLUS10/10-FAZ-IIPLUS20/30	4+4	8	878.2	1
1502405	5	140	205	280	200	200-1000	260	20	60	FAZ-IIPLUS10/10-FAZ-IIPLUS20/30	4+4	8	797.6	1
1502686	6	168	275	355	200	310-1000	318	30	-	FAZ-IIPLUS10/10-FAZ-IIPLUS20/60	4+8	-	1590	1
1502738	10	273	407	487	200	370-1000	454	30	-	FAZ-IIPLUS10/10-FAZ-IIPLUS20/60	4+8	-	3210	1

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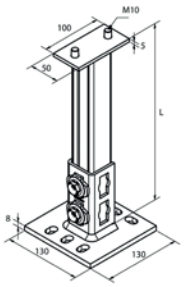
HCS

Herkules Cantilever Set

Material : Backplate & Base fitting: Steel DD11 - EN 10111; Channel: Steel S275JR - EN 10025
Finish : Electro zinc plated - EN ISO 19598



Art.Nr.	L mm		KG /100
1500300	300	1	2.3
1500500	500	1	2.8
1501000	1000	1	4.1

DIAGONAL SHORE

Diagonal Shore for Fix Point Herkules

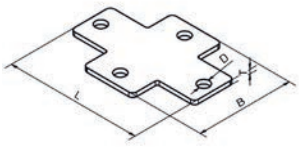
Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - EN ISO 12329

Art.Nr.	D mm	D1 mm	D2 mm	G	L mm	L1 mm	Suitable for:	KG /100	
1502001	20	13	13	M12	50	1000	15-42mm	129.5	1
1502002	25	17	17	M16	80	1000	48-60mm	230.3	1

FPHA

Adapter Plate for Fix Point Herkules

Material : Steel S235 JR - EN 10025
Finish : Electro zinc plated - EN ISO 19598



Art.Nr.	D mm	L mm	W mm	T mm	KG /100	
1508100	11	125	90	4	22.3	10

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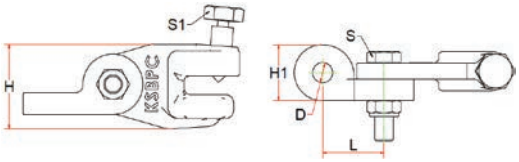
KSBPC

KWIKSTRUT Seismic Brace Pipe Connector KSBPC

Material : Malleable Iron
Finish : Electro Zinc Plated



FM APPROVED

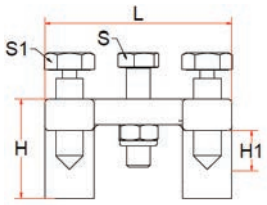
Product Code	Pipe Size inch	H mm	H1 mm	L mm	L1 mm	L2 mm	D mm	D1 mm	S	S1	KG /100	
KSBPC	1" – 1 ¼"	52	12	144	32	40	13	36	M14x40	M12x50	0,80	1

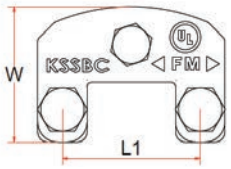
FM Loads (N)					
Brace Type	Service Pipe Size	Horizontal Capacity per Installation Angle from vertical			
		30° - 44°	45° - 59°	60° - 74°	75° - 90°
Pipe	1" - 1 1/4"	8400	11870	15390	15520

KSSBC

KWIKSTRUT Seismic Steel Beam Connector KSSBC

Material : Malleable Iron
Finish : Electro Zinc Plated





FM APPROVED

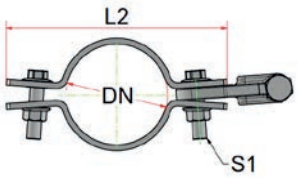
Product Code	Maximum Flange Thickness mm	L mm	L1 mm	L2 mm	H mm	H1 mm	W	S	S1	KG /100	
KSSBC	18	95	32	70	50	18	68	M14x50	M12x50	1.17	1

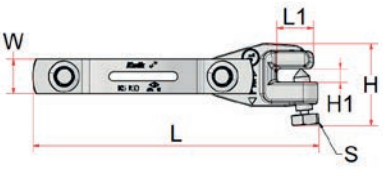
FM Loads (N)					
Brace Direction	Service Pipe Size	Horizontal Capacity per Installation Angle from vertical			
		30° - 44°	45° - 59°	60° - 74°	75° - 90°
Parallel	See KSBPC	3820	4890	4180	4620
Perpendicular	See KSBPC	5420	5670	8000	9870

KSUSB

KWIKSTRUT Seismic Universal Sway Brace KSUSB

Material : Malleable Iron & Steel clamp
Finish : Electro Zinc Plated





FM APPROVED

H mm	H1 mm	L1 mm	W mm	S mm	S1 mm
80	12	32	30	M14x40	M12x50

Product Code	Brace Pipe Size	DN	L mm	H mm	KG /100	
KSUSB0025	1"	25	125	80	0,825	1
KSUSB0032	1 1/4"	32	143	80	0,848	1
KSUSB0040	1 1/2"	40	147	80	0,86	1
KSUSB0050	2"	50	166	80	1,026	1
KSUSB0065	2 1/2"	65	178	80	1,081	1
KSUSB0080	3"	80	193	80	1,117	1
KSUSB0100	4"	100	229	80	1,503	1
KSUSB0125	5"	125	260	80	1,611	1
KSUSB0150	6"	150	307	80	2,201	1
KSUSB0200	8"	200	369	80	3,775	1

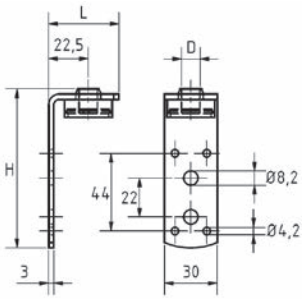
FM Loads (N)								
Brace Direction	Lateral				Longtitunal			
	30° - 44°	45° - 59°	60° - 74°	75° - 90°	30° - 44°	45° - 59°	60° - 74°	75° - 90°
KSUSB0025	7870	11160	13700	15250	1200	1910	3330	4090
KSUSB0032	7870	11160	13700	15250	1200	1910	3330	4090
KSUSB0040	7870	11160	13700	15250	1200	1910	3330	4090
KSUSB0050	7870	11160	13700	15250	1200	1910	3330	4090
KSUSB0065	7870	11160	13700	15250	1200	1910	3330	4090
KSUSB0080	7870	11160	13700	15250	1200	1910	3330	4090
KSUSB0100	7870	11160	13700	15250	3820	3860	4620	5870
KSUSB0125	7870	11160	13700	15250	3020	4130	3600	4000
KSUSB0150	7870	11160	13700	15250	3020	4130	3600	4000
KSUSB0200	5150	7290	8890	9960	4130	5690	3860	4270

Ventilation & Airconditioning Supports

VDBL

Ventilation duct bracket Type L with sound insulator

Material : Steel DX51D+Z275 - EN 10327
1470407:EPDM/SBR black; SHORE A = 45°±5°
1470507:TPE blue; SHORE A = 45°±5°- Temp durability -40°C up to +120°C - value on average 8 dB(A)
1473000: DD11, electro zinc plated; Rivet Al 99.5 - 12x0.5x30mm DIN7340A; washer 40x13x1,5mm DIN522C; Rubber 40x12x10mm DIN ISO 3302-1 E2/EC2



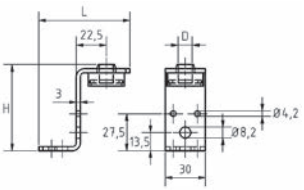
Sound insulation tested

Art.Nr.	D mm	L mm	H mm	F2 kN	KG /100	
1470407	8.5	40	93	1.5	9.0	100
1470507	10.5	40	90	0.5	8.5	100

VDBZ

Ventilation duct bracket Type Z with sound insulator

Material : Steel DX51D+Z275 - EN 10327
1470408:EPDM/SBR black; SHORE A = 45°±5°
1470508:TPE bleu; SHORE A = 45°±5°- Temp durability -40°C up to +120°C - value on average 8 dB(A)



Sound insulation tested

Art.Nr.	D mm	L mm	H mm	F2 kN	KG /100	
1470408	8.5	65	70	1.5	9.0	100
1470508	10.5	68	64	1	8.5	100

Article Number	D mm	G	W mm	F2 kN	KG /100		H mm
1470800	9	M8	40	0.6	14.4	3000	60
1471000	11	M10	40	0.6	14.8	100	60

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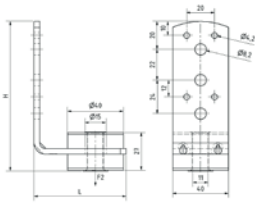
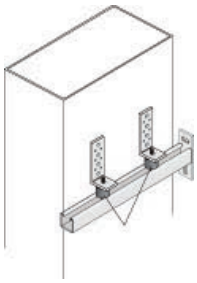
Heavy duty Duct Bracket

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - EN ISO 19598



VDBHS

Art.Nr.	D mm	L mm	H mm	F2 kN	KG /100	
1473000	11	66	108	0.8	23.0	25

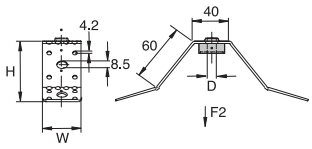


Ventilation & Airconditioning Supports

VDBT

Ventilation duct bracket with sound insulator

Material : Steel DX51D+Z275 - EN 10327
TPE bleu; SHORE A = 45° ± 5°
Temperature durability: -40°C bis +120°C - value on average 8 dB(A)

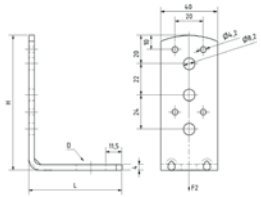


Sound insulation tested

Article Number	D mm	G	W mm	F2 kN	KG /100		H mm
1470800	9	M8	40	0.6	14.4	3000	60

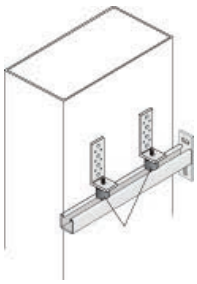
Heavy duty Duct Bracket

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - EN ISO 19598



VDBH

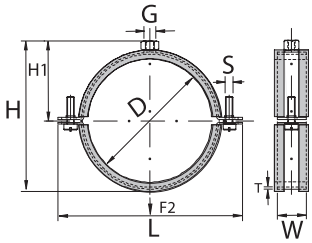
Art.Nr.	D mm	L mm	H mm	F2 kN	KG /100	
1472000	21x11	66	95	0.8	17.2	25
1473000	11	65	108	0.8	23	25



AIR-R

Duct Clamp with sound insulation

Material : Steel DX51D+Z275 - EN 10346
EPDM/SBR black; SHORE A = 45° ± 5°
Temperature durability: -40°C up to +100°C
Sound insulation value on average 17 dB(A)



Sound insulation tested

Art.Nr.	DN	D mm	G	L mm	W mm	H mm	H1 mm	T mm	S	F2 kN	KG /100	
1268208	80	84	M8/M10	129	25	111	64	1.5	M6	0.8	13.1	25
1268210	100	105	M8/M10	149	25	132	74	1.5	M6	0.8	15.2	25
1268212	125	130	M8/M10	174	25	157	87	1.5	M6	0.8	17.9	25
1268214	140	145	M8/M10	190	25	173	94	1.5	M6	1.0	24.2	25
1268215	150	155	M8/M10	200	25	183	99	1.5	M6	1.0	25.8	20
1268216	160	165	M8/M10	211	25	194	105	1.5	M6	1.0	27.1	20
1268218	180	185	M8/M10	230	25	213	114	1.5	M6	1.0	29.3	15
1268220	200	205	M8/M10	250	25	233	124	1.5	M6	1.0	32.6	15
1268222	224	229	M8/M10	271	25	254	135	1.5	M6	1.0	35.3	10
1268225	250	255	M8/M10	300	25	283	149	1.5	M6	1.0	38.7	10
1268228	280	285	M8/M10	330	25	313	164	1.5	M6	1.0	40.0	10
1268230	300	307	M8/M10	351	25	333	174	1.5	M6	1.0	43.0	10
1268231	315	322	M8/M10	366	25	348	182	1.5	M6	1.0	48.3	10
1268235	355	362	M8/M10	406	25	388	202	1.5	M6	1.0	48.9	10
1268240	400	407	M8/M10	451	25	433	224	1.5	M6	1.0	58.6	10
1264509	450	457	M8/M10	515	25	475	240	2	M8	2	116.0	1
1265009	500	507	M8/M10	565	25	515	265	2	M8	2	128.8	1
1265609	560	567	M8/M10	635	25	585	300	2	M8	2	143.3	1
1266009	600	608	M8/M10	665	25	625	315	2	M8	2	152.5	1
1266309	630	639	M8/M10	695	25	655	335	2	M8	2	162.4	1
1267109	710	719		775	25	735	375	2.5	11 mm	2	182.8	1
1269009	900	910		980	25	935	465	2.5	11 mm	2.5	274.5	1
1261139	1120	1132		1180	25	1150	570	2.5	11 mm	2.5	342.8	1

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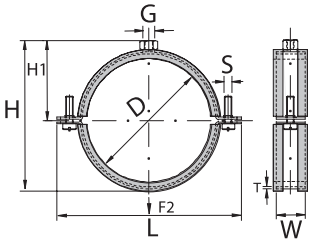
AIR-R-SS

Duct Clamp with sound insulation

Material : Stainless Steel A2-304 - 1.4301
EPDM/SBR black; SHORE A = 45° ± 5°
Temperature durability: -40°C up to +100°C
Sound insulation value on average 17 dB(A)

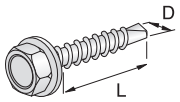


Sound insulation tested

Art.Nr.	DN	D mm	G	L mm	W mm	H mm	H1 mm	T mm	S	F2 kN	KG /100	
1358112	125	130	M8	174	25	157	87	1.5	M6	0.8	18.3	100
1358125	250	255	M8	300	25	283	149	1.5	M6	1.0	39.5	50
1358131	315	322	M8	366	25	348	182	1.5	M6	1.0	49.3	50
1358135	355	362	M8	406	25	388	202	1.5	M6	1.0	49.9	50

Self drilling screw DIN7504K

Material : Steel DD11 - EN 10111



DIN7504K

Art.Nr.	D mm	L mm	KG /100	
750453513	3.5	13	0.1	1000
750454213	4.2	13	0.2	1000
750454216	4.2	16	0.2	1000
750454219	4.2	19	0.2	1000
750454222	4.2	22	0.2	1000
750454816	4.8	16	0.2	1000
750454819	4.8	19	0.3	1000
750454825	4.8	25	0.3	1000
750456319	6.3	19	0.5	1000
750456325	6.3	25	0.6	1000

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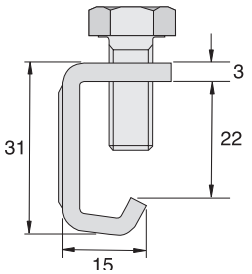
Ventilation Duct Clamp

Material : Steel DD11 - EN 10111
Finish : Electro zinc plated - EN ISO 19598



VDC

Art.Nr.	KG /100	
VDC	0.5	100

Soft PVC Duct tape

Material : Soft PVC

TPVC

Art.Nr.	L m	W mm	KG /100	
TPVC50	10	50	13	80

Reinforced duct tape

Material : Polyethylene

TRR

Art.Nr.	L m	W mm	KG /100	
TRR50	50	50	94	18

Cold shrink tape

Material : Aluminium flashing tape

TCS

Art.Nr.	L m	W mm	KG /100	
TCS50	15	50	92	24

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Duct sealing tape

Material : Polyethylene (DIN 53577)

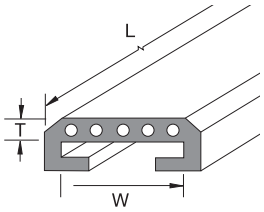
TPS

Art.Nr.	L m	W mm	T mm	KG /100	
TPS15-4	20	15	4	5	10
TPS155	10	15	5	6	10
TPS50-4	20	50	4	32	10
TPS9-4	20	9	4	3	10

Sound Insulation & Nameplate System

Rubber Pipe Clip Lining EPDM

Material : EPDM/SBR black; SHORE A = 45° ± 5°
Temperature durability: -40°C bis +100°C
Sound insulating valeu on average: 22dB(A)

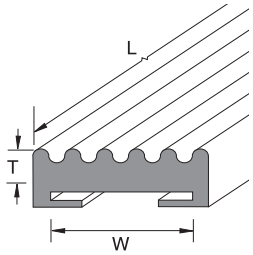


EPDM

Art.Nr.	L m	W mm	T mm	KG /100	
1316401	30	40	6	1320	1

Rubber Pipe Clip Lining Silicon

Material : Silicon red; SHORE A = 40° ± 5°
Temperature durability: -50°C bis +250°C
Sound insulating valeu on average: 15,4 dB(A)

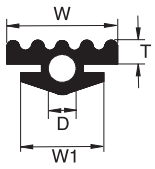


Silicon

Art.Nr.	L m	W mm	T mm	KG /100	
1313720	50	20	3.7	500	1
1316025	30	25	6	567	1

Rubber Sound Insulation for UNI channels

Material : EPDM/SBR black; SHORE A = 45° ± 5°
Temperature durability: -50°C bis +110°C



UNI

Art.Nr.	L m	W mm	W1 mm	T mm	D mm	KG /100	
1318301	30	32	23	6.5	9	900	1

Rubber Sound Insulation for Kwikstrut channels

Material : EPDM/SBR black; SHORE A = 45° ± 5°
Temperature durability: -50°C bis +110°C

Art.Nr.	L m	W mm	W1 mm	T mm	D mm	KG /100	
1318341	30	39	25	5	11	1100	1

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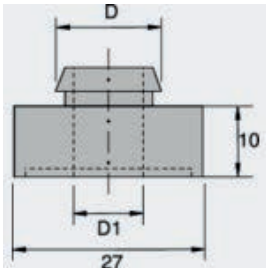
Sound Insulation & Nameplate System

Sound Insulator

Material : TPE blue; SHORE A = 45° ± 5°
Value on average 8 dB(A)
Temperature durability: -40°C bis +120°C

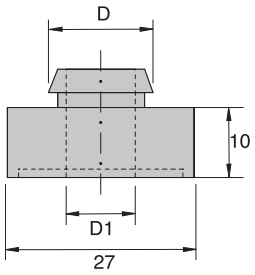


SDR

Art.Nr.	D mm	D1 mm	KG /100	
1830020	16	11	0.5	100

Sound Insulator

Material : TPE blue; SHORE A = 45° ± 5°
Value on average 8 dB(A)
Temperature durability: -40°C bis +120°C
Steel DX51D + Z275 - EN 10327

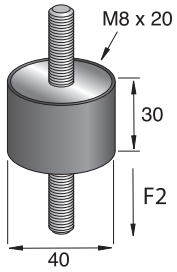


GLP

Art.Nr.	D mm	D1 mm	KG /100	
1315080	12	8.5	0.9	100
1315100	16	10.5	0.8	100

Rubber Anti Vibration Parts

Material : EPDM/SBR black; SHORE A = 55° ± 5°
Steel DD11 - EN 10111

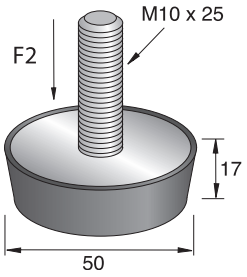


GR60050

Art.Nr.	F2 kN	KG /100	
GR60050	1.2	90	50

Rubber Anti Vibration Parts

Material : EPDM/SBR black; SHORE A = 55° ± 5°
Steel DD11 - EN 10111



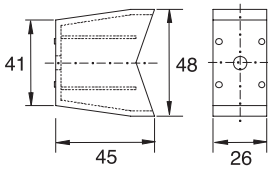
GRKD5017

Art.Nr.	F2 kN	KG /100	
GRKD5017	2	130	1

Sound Insulation & Nameplate System

Nameplate with cover & fixing strap

Material : Steel DX51D + Z275 - EN 10142
Chrome 1.4016 - PA - Acrylic glass
Stainless steel band included - 17 x 400mm

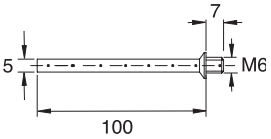


NP-STRAP

Art.Nr.	KG /100	
2130012	12.4	25

Nameplate with cover for welding

Material : Steel DX51D + Z275 - EN 10142
Acrylic glass

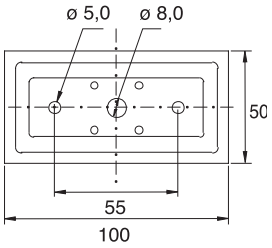


NP-WELD

Art.Nr.	KG /100	
2130023	8.1	25

Nameplate with cover for bolt fixing

Material : Steel DX51D + Z275 - EN 10142
Acrylic glass

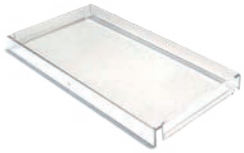


NP-BOLT

Art.Nr.	KG /100	
2130033	5.8	25

Replacement cover

Material : plexiglass



Art.Nr.	KG /100	
2130000	2	25

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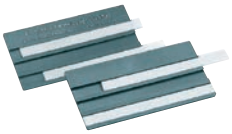
Plastic back plate

Material : PS

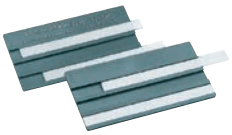


BP-PLASTIC

Art.Nr.	Color	KG /100	
2130413	red	1	100
2130423	blue	1	100
2130433	green	1	100
2130463	white	1	100
2130513	shiny white	1	100

Plastic text insert

Material : PS



INSERT

Art.Nr.	KG /100	
2130483	0.2	25

Fixings

9 Beam, roof & purlin fixings

Fixings onto steel beams

Page 215

Fixings onto steel roofs & purlins

Page 221

10 Anchors & Plugs

Light Duty Anchors

Page 228

Mechanical Heavy Duty Drop in Anchors

Page 232

Mechanical Heavy Duty Wedge Anchor

Page 239

Drills & Holesaw

Page 245

Cavity fixing

Page 247

Concrete screws

Page 249

Perforated steel band

Page 253

11 General Fixings

Bolts Galvanised

Page 254

Washers Galvanised

Page 259

Rod connectors and reducers Galvanised

Page 262

Eye Screws Galvanised

Page 266

Nuts Hot Dip Galvanised

Page 269

Threaded Rod, Studs & Tubes Hot Dip Galvanised

Page 271

Bolts Stainless Steel

Page 273

Washers Stainless Steel

Page 275

Rod connectors and reducers Stainless Steel

Page 277

Nuts Galvanised

Page 257

Threaded Rod, Studs & Tubes Galvanised

Page 260

Wood fixings Galvanised

Page 264

Bolts Hot Dip Galvanised

Page 268

Washers Hot Dip Galvanised

Page 270

Rod connectors and reducers Hot Dip Galvanised

Page 272

Nuts Stainless Steel

Page 274

Threaded Rod, Studs & Tubes Stainless Steel

Page 276

12 Couplings & accessories

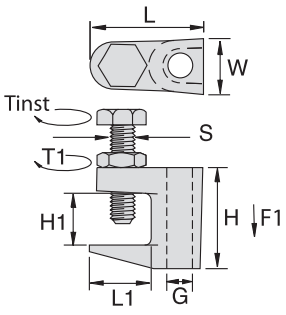
Couplers for ductile iron pipe

Page 278

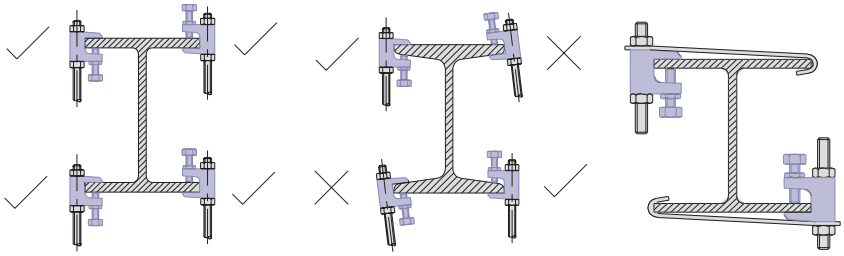
UBC

Beam clamp

Material: Malleable Iron - EN 1562-1997
Finish : Electro zinc plated - EN ISO 12329



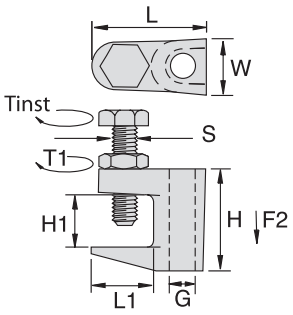
Art.Nr.	G	L mm	L1 mm	W mm	H mm	H1 mm	S	F1 kN	Tinst Nm	T1 mm	FM	VdS	KG /100	
UBC6T	M6	36	20	19	35	17	M8	1.1	8	11			8.5	50
UBC8D	9	36	20	19	35	17	M8	1.1	8	11		y	8.5	50
UBC8T	M8	36	20	19	35	17	M8	1.1	8	11		y	8.5	50
UBC10D	11	45	22	22	40	19	M10	2.4	8	22	y	y	15.1	50
UBC10T	M10	45	22	22	40	19	M10	2.4	8	22	y	y	15.7	50
UBC12D	13	50	28	25	46	23	M10	3.1	8	22	y	y	21.2	25
UBC12T	M12	50	28	25	46	23	M10	3.1	8	22	y	y	20.9	25
UBC16D	17	58	30	30	58	28	M12	5.5	8	22	y	y	31.8	50
UBC16T	M16	58	30	30	58	28	M12	5.5	8	22	y	y	31.8	50



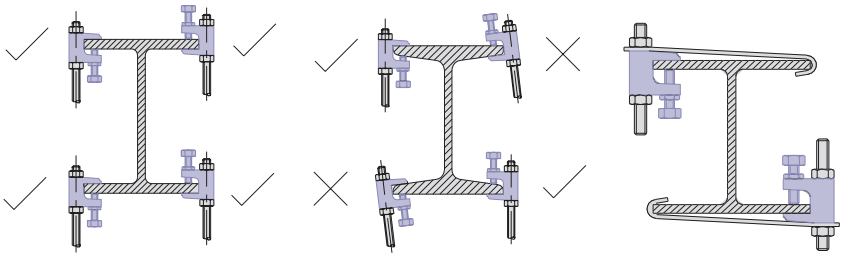
91

Beam clamp

Material:Malleable Iron - EN 1562-1997
Finish :Electro zinc plated - EN ISO 12329



Art.Nr.	G	L mm	L1 mm	W mm	H mm	H1 mm	S	F1 kN	Tinst Nm	T1 mm	FM	VdS	KG /100	
91M102	M10	45	26	19	51	33	M10	2.6	8	22	y	y	22.4	50
91M112	11	45	26	19	51	33	M10	2.6	8	22	y	y	22.4	50
91M122	M12	49	27	28	60	33	M12	4.4	8	22	y	y	38	50
91M132	13	49	27	28	60	33	M12	4.4	8	22	y	y	38	50



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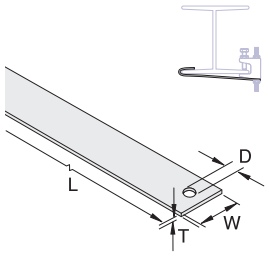
Retaining strap

Material: Steel DX51D+Z275 - EN 10327



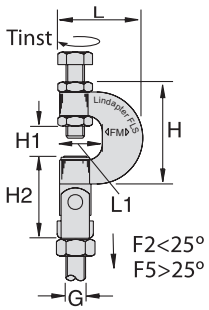
Strap

Art.Nr.	D mm	L mm	W mm	T mm	KG /100	
STRAPM10	11	300	21	2.5	11.8	50
STRAPM12	13	300	30	2.5	17.7	50
STRAPM16	17	300	40	3	28.3	50

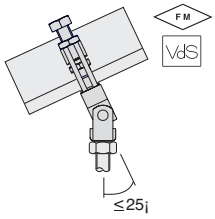
FLS

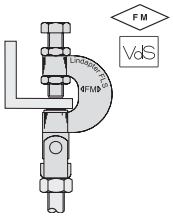
Articulated beam clamp

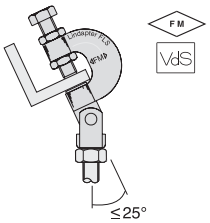
Material:Steel DD11 - EN 10111
Finish :Electro zinc plated - EN ISO 12329

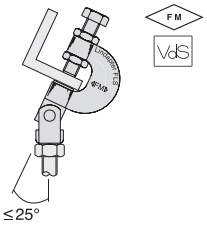


Art.Nr.	G	L mm	L1 mm	H mm	H1 mm	H2 mm	F2 kN	F5 kN	Tinst Nm	FM	VdS	KG /100	
FLS08	M8	53	27	58	17	55	2.5	1.5	18		y	27.1	25
FLS10	M10	53	27	58	17	55	2.5	1.5	18	y	y	27.1	25





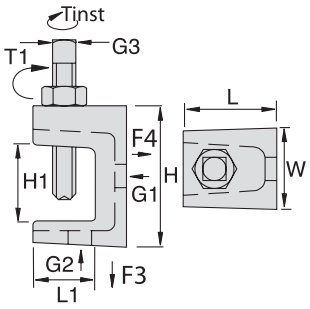




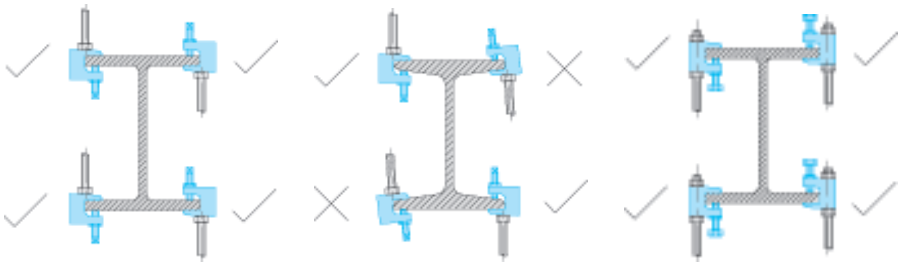
LC

Light duty beamclamp

Material: Malleable Iron - EN 1562-1997
Finish : Electro zinc plated - EN ISO 12329



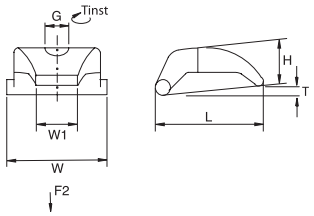
Art.Nr.	G	G1	G2	L mm	H mm	H1 mm	F3 kN	F4 kN	Tinst Nm	T1 mm	KG /100	
LCLIP	M6	M6	M6	24	35	20	0.59	0.18	4	5	6.4	100



P

Beam clamp for 41mm width channel

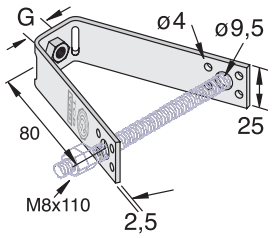
Material: Cast iron - GGG-40
Finish : Electro zinc plated - DIN EN 12329



Art.Nr.	G	L mm	W mm	W1 mm	H mm	T mm	F2 kN	Tinst Nm	KG /100	
1391075	10.5	48.5	43.5	16	20	1.0-25.0	4.5	55	10	10
1391275	12.5	65.5	51.5	20	27	1.0-35.0	8	95	22	10
1391675	17	65	63	24	32	1.0-35.0	9	125	24	10

Trapeze ceiling fixing

Material: Steel DD11 - EN 10111
Finish : Electro zinc plated - EN ISO 19598

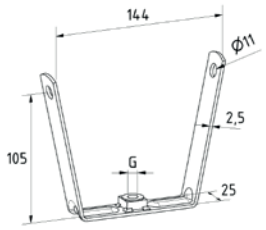


TCB

Art.Nr.	G	FM	VdS	KG /100	
TCB8	M8	-	y	11.1	100
1460408	M8 HR	-	-	11.6	100
TCB10	M10	y	y	12.1	100
1460410	M10 HR	-	-	11.5	100

Trapeze ceiling fixing

Material: Steel DD11 - EN 10111
Finish : Electro zinc plated - EN ISO 19598

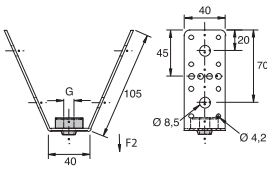


TCC

Art.Nr.	G	VdS	KG /100	
1460504	M8		Y	17.1
1460505	M10		Y	16.9

Trapeze ceiling fixing

Material: Steel DX51D+Z275 - EN 10327
TPE blue: shore=45°±5°- value on average 8 dB(A)

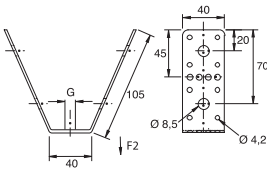


TCAB

Art.Nr.	G	F2 kN	KG /100	
1460308	8.5	2	14.8	100
1460310	10.5	2	14.6	100

Trapeze ceiling fixing

Material: Steel DX51D+Z275 - EN 10327

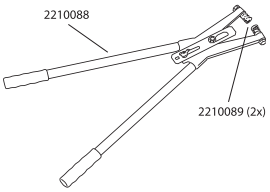


TCABNR

Art.Nr.	G	F2 kN	KG /100	
1460510	14.5	2	14.1	100

Beam, roof & purlin fixings

Trapeze ceiling fixing tool



PERFO

Art.Nr.	L mm		KG /100
2210088	700	1	247
2210089	-	2	9

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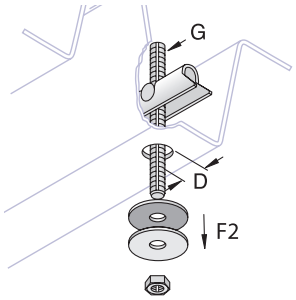
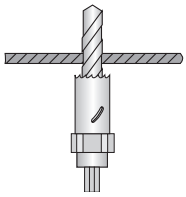
TD

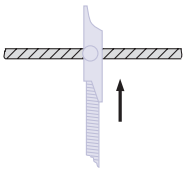
Tipping dowel for hollow ceilings

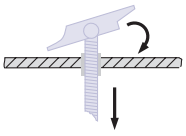
Material: Steel DX51D+Z275 - EN 10327

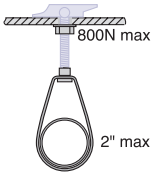


Art.Nr.	D mm	G	F2 kN	FM	VdS	KG /100	
TDM8X100	22	M8x100	0.8		y	10.7	100
TDM8X200	22	M8x200	0.8		y	13.9	100
TDM10X100	25	M10x100	0.8	y	y	13.1	50
TDM10X200	25	M10x200	0.8	y	y	18.2	50







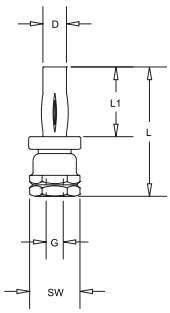


Beam, roof & purlin fixings

XP20

Sammy X-press M10 for steel roofs

Material:Carbon Steel
Finish :Electro Zinc



Art.Nr.	G	L mm	L1 mm	do mm	SW mm	FM	KG /100	
8150923	M10	62	25	10	16	y	3.8	25

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XP-IT

Sammy X-press installation Tool

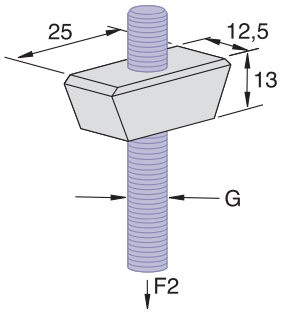
Material: Carbon Steel
Finish : Electro Zinc

Art.Nr.	KG /100	
8194910	10	5

VN

V Nut

Material:Steel DD11 - EN 10111



Art.Nr.	G	F2 kN	KG /100	
VN08	M8	2	1.8	100
VN10	M10	2.1	1.8	100

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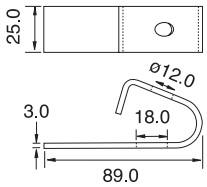
Z Purlin clamp

Material: Steel DX51D+Z275 - EN 10327



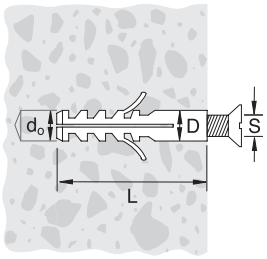
Z

Art.Nr.	KG /100	
Z10U	6.4	100

Anchors & Plugs

Nylon anchor

Material: Polyamid (PA)

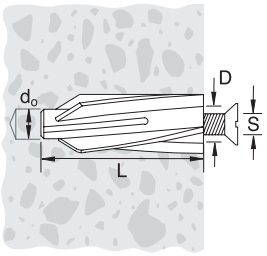


W

Art.Nr.	D mm	L mm	S	do mm	KG /100	
1720630	6	30	3.5-5.0	6	0.1	100
1721260	12	60	8.0-10.0	12	0.5	25

Anchor for light concrete

Material: Nylon light grey

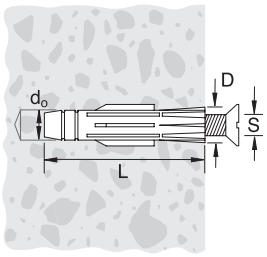


GB

Art.Nr.	D mm	L mm	S	do mm	KG /100	
1781086	18	50	5	8	0.4	25
1781146	24	74	10	14	1.3	10

Anchor for light concrete and hollow brickwalls

Material: Polypropylene (PP)



SH

Art.Nr.	D mm	L mm	S	do mm	KG /100	
2351061	10	60	7.0-8.0	10	0.3	50
2351270	12	70	8.0-10.0	12	0.4	25

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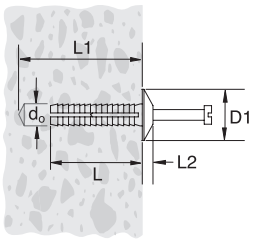
PD

Anchor for light concrete

Material: Steel
Nylon black
Finish : Electro zinc plated - DIN EN 12329

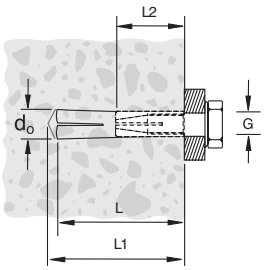


Art.Nr.	D1 mm	L mm	L1 mm	L2 mm	do mm	KG /100	
1771359	13.5	35	38	3.5	6	0.4	200

Anchors & Plugs

Brass anchor

Material: Brass



PO

Art.Nr.	G	L mm	F5 kN	do mm	KG /100	
1760082	M6	22	0.6	8	0.4	100
1760102	M8	27.5	1.1	11	0.9	100
1760122	M10	32	1.7	13	1.4	100
1760162	M12	38	2.3	16	2.4	100

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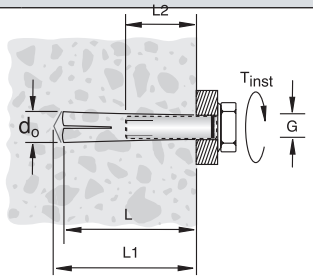
EA II

Non drill anchor

Material: Steel
Finish : Electro zinc plated



Art.Nr.	G	L mm	L1 mm	L2 mm	do mm	FM	KG /100	
EAM6	M6	30	32	6-14	8		0.9	100
EAM8X25	M8	25	27	8-14	10		1.0	100
EAM8	M8	30	33	8-14	10		1.2	100
EAM8X40	M8	40	43	8-14	10		1.6	50
EAM10X25	M10	25	27	10-17	12	y	1.4	50
EAM10X30	M10	30	33	10-14	12	y	1.8	50
EAM10	M10	40	43	10-17	12	y	2.3	50
EAM12X25	M12	25	27	12-22	15	y	2.3	25
EAM12	M12	50	54	12-22	15	y	4.6	25
EAM16	M16	65	70	16-28	20	y	10.1	20
EAM20	M20	80	85	20-34	25	y	19.4	10

Hammerset anchor EA II (screw property class 4.6)

Highest permissible loads for a single anchor[1)] for multiple use for non-structural applications in concrete C20/25 up to C50/60.
For the design the complete approval ETA- 07/0142 has to be considered.

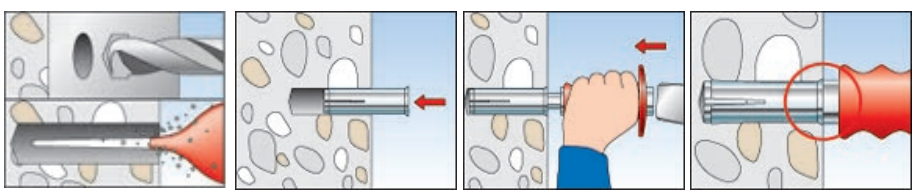
				Cracked or non-cracked concrete		
Art.Nr.	Effective anchorage depth L mm	Minimum member[7)] mm	Maximum forque T insta, maw Nm	Permissible load F perm[3)] kN	Min. spacing S min[2)] mm	Min. edge distance C min[2)] mm
EAM6	30	100	4,0	1,2	65	115
EAM8	30	100	8,0	2,0	95	140
EAM8x40	40	100	8,0	2,0	95	140
EAM10x30	30	120	15,0	2,0	85	140
EAM10	40	120	15,0	3,0	95	160
EAM12	50	120	35,0	4,3	145	200

1) The partial safety factors for material resistance as regulated in the approval as well as a partial safety factor for load actions of γ_L = 1,4 are considered. As an single anchor counts e.g. an anchor with a spacings: s ≥ 3 x Land an edge distance c ≥ 1,5 x L.

2) Minimum possible axial spacings resp. edge distance while reducing the permissible load.

3) Valid for tensile load, shear load and oblique load under any angle. For combinations of tensile loads, shear loads, bending moments as well as reduced edge distances or spacings (anchor groups) see approval.

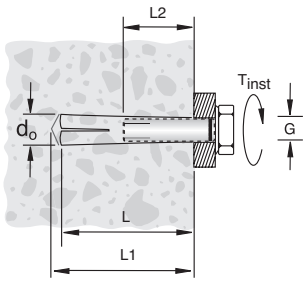
7) When the spacing and edge distance will be increased the minimum member thickness can be reduced. Exact data see approval.



EA II-SS

Non drill anchor stainless steel

Material:Stainless Steel A4



Art.Nr.	G	L mm	L1 mm	L2 mm	do mm	FM	KG /100	
EAM8SS	M8	30	33	8-14	10		1.2	100
EAM10SS	M10	40	43	10-17	12	y	2.2	50
EAM12SS	M12	50	54	12-22	15	y	4.7	25

Hammerset anchor EA II (screw property class 4.6)

Highest permissible loads for a single anchor[1] for multiple use for non-structural applications in concrete C20/25 up to C50/60.
For the design the complete approval ETA- 07/0142 has to be considered.

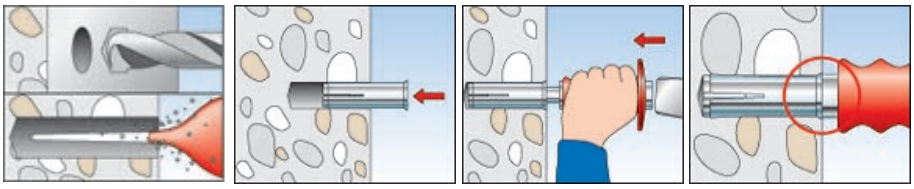
				Cracked or non-cracked concrete		
Art.Nr.	**Effective anchorage depth L mm**	**Minimum member**[7] **mm**	**Maximum forque T insta, maw Nm**	**Permissible load F perm**[3] **kN**	**Min. spacing S min**[2] **mm**	**Min. edge distance C min**[2] **mm**
EAM6	30	100	4,0	1,2	65	115
EAM8	30	100	8,0	2,0	95	140
EAM8x40	40	100	8,0	2,0	95	140
EAM10x30	30	120	15,0	2,0	85	140
EAM10	40	120	15,0	3,0	95	160
EAM12	50	120	35,0	4,3	145	200

1) The partial safety factors for material resistance as regulated in the approval as well as a partial safety factor for load actions of γ_L = 1,4 are considered. As an single anchor counts e.g. an anchor with a spacings: s ≥ 3 x Land an edge distance c ≥ 1,5 x L.

2) Minimum possible axial spacings resp. edge distance while reducing the permissible load.

3) Valid for tensile load, shear load and oblique load under any angle. For combinations of tensile loads, shear loads, bending moments as well as reduced edge distances or spacings (anchor groups) see approval.

7) When the spacing and edge distance will be increased the minimum member thickness can be reduced. Exact data see approval.



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Setting tool for non drill anchor

Material: EAW-Material text.txt

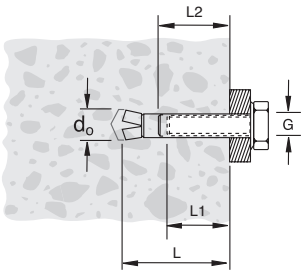
EAW

Art.Nr.	KG /100	
EAWH8x25/30	16.8	1
EAWH8X40	15.6	1
EAWH10x25/30	17.4	1
EAWH10x40	17.6	1
EAWH12x50	22.4	1
EAWH16x65	35.0	1
EAWH20x80	60.0	1

FZEA II

Non drill anchor type Zykon

Material: Steel
Finish : Electro zinc plated



Art.Nr.	G	L mm	L1 mm	L2 mm	do mm	KG /100	
ZEA1040M8	M8	43	11	17	10	1.5	100
ZEA1240M10	M10	43	13	19	12	2	50

Zykon-Hammerset anchor FZEA II (screw quality 5.8)

Highest permissible loads[1] for single anchor in concrete C20/25[4]
For the design the complete approval ETA- 06/0142 has to be considered.

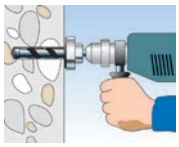
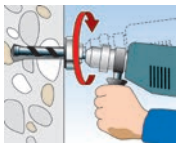
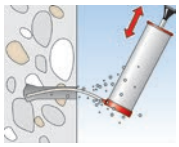
				Cracked concrete				Cracked or non-cracked concrete			
Art.Nr.	Effective anchorage depth L mm	Minimum member thickness hmin mm	Instal-lation torque T inst Nm	Permis-sible tensile load Nperm[3] kN	Permis-sible shear load Vperm[3] mm	Min. spacing S min[2] mm	Min. edge distance C min[2] mm	Permis-sible tensile load Nperm[3] kN	Permis-sible shear load Vperm[3] mm	Min. spacing S min[2] mm	Min. edge distance C min[2] mm
ZEA1040M8	40	80	10	1,6	4,7	40	40	3,6	4,7	40	40
ZEA1240M10	40	80	15	3,0	5,6	45	45	3,6	7,8	45	45

1) The partial safety factors for material resistance as regulated in the approval as well as a partial safety factor for load actions of γ_L = 1,4 are considered.

2) Minimum possible axial spacings resp. edge distance while reducing the permissible load.

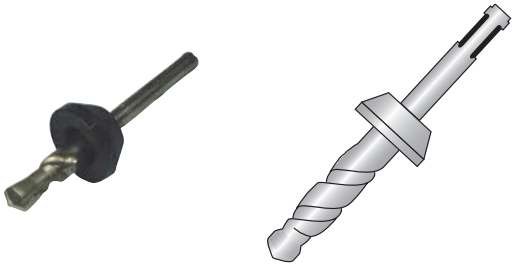
3) For combinations of tensile loads, shear loads, bending moments as well as reduced edge distances or spacings (anchor groups) see approval.

4) For higher concrete strength classes up to CS0/60 higher permissible loads may be possible.


Drill for steel anchors type Zykon

Material:ZUB-Material text.txt

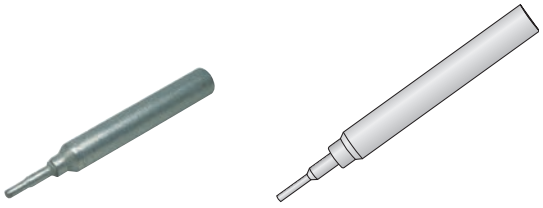


ZUB

Art.Nr.	KG /100	
ZUB12X40	12.8	1

Setting tool for non drill anchor type Zykon

Material:ZED-Material text.txt



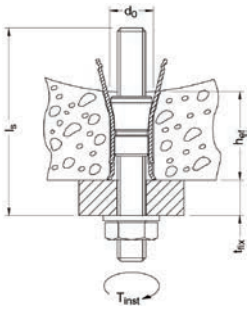
ZED

Art.Nr.	KG /100	
ZED1240M10	24.8	1
ZED1440M12	26	1

FHY

Non drill anchor type FHY

Material: Steel
Finish : Electro zinc plated



Art.Nr.	G	L mm	L1 mm	L2 mm	do mm	KG /100	
FHYM8	M8	43	60	43	12	1.4	25
FHYM10	M10	52	65	52	16	1.4	20

Hollow-ceiling anchor FHY

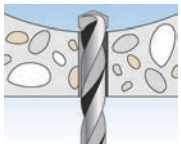
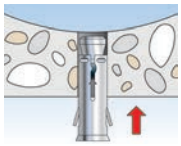
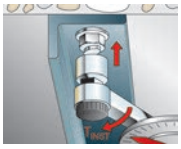
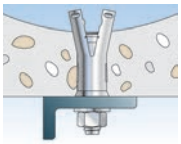
Highest permissible loads[1] for a single anchor in pre-stressed hollow-core concrete slabs of strength class 855 resp. C45/55.
For the design the complete approval Z-21.1-1711 has to be considered.

			Pre-stressed hollow-care concrete slabs		
Art.Nr.	**Web thickness** d_u mm	**Torque moment** T_{inst} Nm	**Permissible load** F_{perm}[3] kN	**Min. spacing** S_{min}[2] mm	**Min. edge distance** C_{min}[2] mm
FHYM6	25-29	10.0	0.7	70	100
	30-39	10.0	0.9	80	100
	≥40	10.0	2.0	100	100
FHYM8	25-29	10.0	0.7	70	100
	30-39	10.0	0.9	80	100
	≥40	10.0	2.0	100	100
FHYM10	30-39	20.0	1.2	80	100
	≥40	20.0	3.0	100	100

1) The required safety factors as regulated in the approval are considered.

2) Minimum possible axial spacings resp. edge distance while reducing the permissible load.

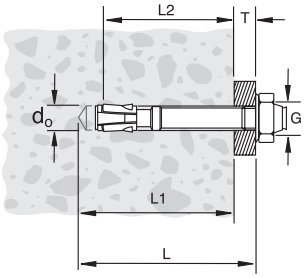
3) Valid for tensile load, shear load and oblique load under any angle. For combinations of tensile loads, shear loads, bending moments as well as reduced edge distance or spacings (anchor groups) see approval.

FNA II M8

Fast fix anchors FNA II

Material: Steel
Finish : Electro zinc plated

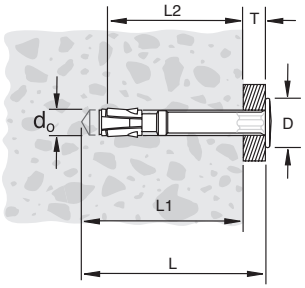


Art.Nr.	G	L mm	L1 mm	L2 mm	T mm	do mm	KG /100	
NA6X4015M8	M8	45	40	30	5	6	1.5	100

FNA II-UNI

Fast fix anchors FNA II-UNI

Material: Steel
Finish : Electro zinc plated



Art.Nr.	D mm	L mm	L1 mm	L2 mm	T mm	do mm	KG /100	
NA6X40S	13	45	40	30	5	6	1.5	100

FNA II M8 and FNA II UNI Permissable Loads

Highest permissible loads[1] for one fixing point[5] for multiple use for non-structural applications in concrete C20/25 up to C50/60[4].
For the design the complete approval ETA - 06/0175 has to be considered.

				Cracked or non-cracked concrete		
Art.Nr.	Effective anchorage depth L mm	Minimum member thickness H min mm	Maximum torque moment T inst, max Nm	Permissible load F perm[3] kN	Min. spacing S min[2] mm	Min. edge distance C min[2] mm
NA6x40S	30	80	4,0	2,4	40	40
NA6x4015M8	30	80	4,0	2,4	40	40

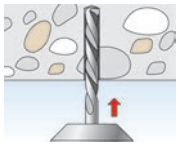
1) The partial safety factors for material resistance as regulated in the approval as well as a partial safety factor for load actions of γ_L = 1,4 are considered.

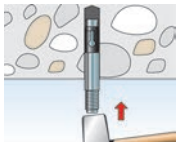
2) Minimum possible axial spacings resp. edge distance while reducing the permissible load.

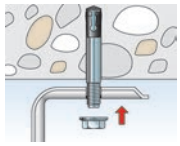
3) Valid for tensile load, shear load and oblique load under any angle. For combinations of tensile loads, shear loads, bending moments as well as reduced edge distances or spacings (anchor groups) see approval.

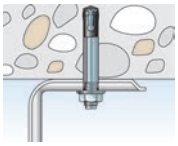
4) Loads for concrete strength class C12/15 see approval.

5) Afixing point is defined as a single anchor or a group of 2 or 4 anchors.





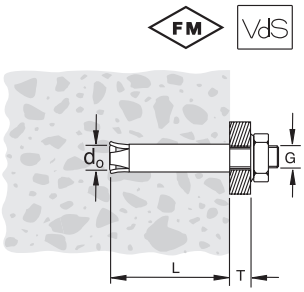




ZA

Steel anchors type Zykon

Material: Steel
Finish : Electro zinc plated



Art.Nr.	G	L mm	T mm	do mm	KG /100	
ZA144M1025	M10	40	25	14	8.2	10

Zykon-undercut anchor FZA

Highest permissible loads[1] for single anchor in concrete C20/25[4]
For the design the complete approval ETA- 06/0142 has to be considered.

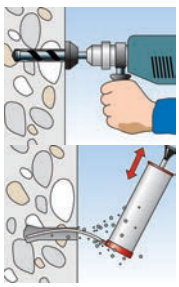
				Cracked concrete				Cracked or non-cracked concrete			
Art.Nr.	Effective anchorage depth L mm	Minimum member thickness hmin mm	Instal-lation torque T inst Nm	Permis-sible tensile load Nperm[3] kN	Permis-sible shear load Vperm[3] mm	Min. spacing S min[2] mm	Min. edge distance C min[2] mm	Permis-sible tensile load Nperm[3] kN	Permis-sible shear load Vperm[3] mm	Min. spacing S min[2] mm	Min. edge distance C min[2] mm
ZA144M1025	40	100	40,0	2,4	5,6	70	70	3,6	7,9	70	70

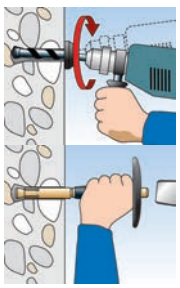
1) The partial safety factors for material resistance as regulated in the approval as well as a partial safety factor for load actions of γ_L = 1,4 are considered.

2) Minimum possible axial spacings resp. edge distance while reducing the permissible load.

3) For combinations of tensile loads, shear loads, bending moments as well as reduced edge distances or spacings (anchor groups) see approval.

4) For higher concrete strength classes up to CS0/60 higher permissible loads may be possible.

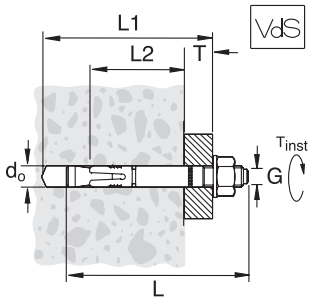




FAZ II PLUS

Steel anchor FAZ

Material:Steel DD11 - EN 10111
Finish :Electro zinc plated



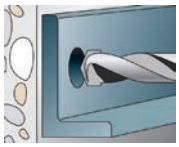
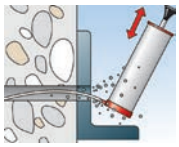
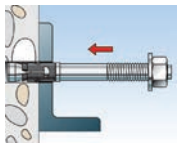
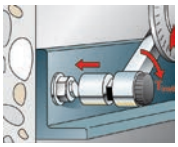
Art.Nr.	G	L mm	L1 mm	L2 mm	T max. mm	do mm	SW mm	FM	Seismic Approval	KG /100	
1770801	M8	75	65	45	10	8	13		C1	3	50
1770803	M8	95	85	45	30	8	13		C1	4	50
1770805	M8	115	105	45	50	8	13		C1	4	50
1771001	M10	95	85	60	10	10	17	Y	C1 / C2	6	50
1771003	M10	115	105	60	30	10	17	Y	C1 / C2	7	25
1771005	M12	135	125	60	50	10	17	Y	C1 / C2	8	20
1771201	M12	110	100	70	10	12	19	Y	C1 / C2	10	20
1771203	M12	130	120	70	30	12	19	Y	C1 / C2	12	20
1771205	M12	150	140	70	50	12	19	Y	C1 / C2	13	20
1771210	M12	200	190	70	100	12	19	Y	C1 / C2	16	20
1771602	M16	148	135	85	25	16	24	Y	C1 / C2	24	10
1771605	M16	173	160	85	50	16	24	Y	C1 / C2	27	10
1772003	M20	172	155	100	30	20	30	Y	C1 / C2	44	5
1772403	M24	205	185	125	30	24	36	Y	C1 / C2	79	5

FAZ II Permissable loads

Highest permissible loads[1] for single anchor in concrete C20/25[4]
For the design the complete approval ETA- 05/0069 has to be considered.

Art.Nr.	Effective anchorage depth L mm	Minimum member thickness hmin mm	Instal-lation torque T inst Nm	Cracked concrete: Permis-sible tensile load Nperm[3] kN	Cracked concrete: Permis-sible shear load Vperm[3] mm	Cracked concrete: Min. spacing S min[2] mm	Cracked concrete: Min. edge distance C min[2] mm	Cracked or non-cracked concrete: Permis-sible tensile load Nperm[3] kN	Cracked or non-cracked concrete: Permis-sible shear load Vperm[3] mm	Cracked or non-cracked concrete: Min. spacing S min[2] mm	Cracked or non-cracked concrete: Min. edge distance C min[2] mm
FAZ II Plus M8	35	80	20	2,6	8,5	35	40	4,8	9,3	40	40
FAZ II Plus M8	90	140	20	3,8	9,3	35	40	6,7	9,3	40	40
FAZ II Plus M10	40	80	45	4,1	10,8	40	45	5,9	15	40	45
FAZ II Plus M10	100	150	45	6,2	15	40	45	9,5	15	40	45
FAZ II Plus M12	50	100	60	5,8	18	50	55	8,3	21,1	50	55
FAZ II Plus M12	125	190	60	9,5	21,1	50	55	10,5	21,1	50	55
FAZ II Plus M16	65	140	110	8,6	27,5	65	65	12,3	39,1	65	65
FAZ II Plus M16	160	240	110	12,9	39,1	65	65	18,4	39,1	65	65
FAZ II Plus M20	100	160	200	16,4	47,4	95	85	23,4	47,4	95	95
FAZ II Plus M20	180	270	200	16,4	47,4	95	85	23,4	47,4	95	95
FAZ II Plus M24	125	200	270	22,9	73,3	100	100	32,7	73,3	100	135

1) The partial safety factors for material resistance as regulated in the approval as well as a partial safety factor for load actions of γ_L = 1,4 are considered. As an single anchor counts e.g. an anchor with a spacing s ≥ 3 x L2 and an edge distance c ≥ 1,5 x L2. Accurate data see approval.
2) Minimum possible axial spacings resp. edge distance while reducing the permissible load for the minimum member thickness (h_{min} le 2 x L2). The combination of the given min. spacing and min. edge distance is not possible. One of them has to be increased according approval.
3) For combinations of tensile loads, shear loads, bending moments as well as reduced edge distances or spacings (anchor groups) see approval.
4) For higher concrete strength classes up to CS0/60 higher permissible loads may be possible.
5) According approval the minimum member thickness (h_{min} ≥ 1: 2 x H2) can be reduced under specific conditions.

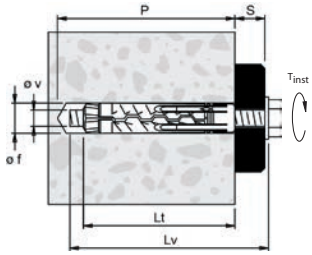





Anchors & Plugs

TAM

Expansion anchor with bolt and washer

Material:Steel; Bolt class 8.8



Art.Nr.	G	L mm	L1 mm	L2 mm	F5 kN	do mm	Tinst Nm	KG /100	
TAM6S	M6	50	60		4	12	10	5	50
TAM8S	M8	60	70		4.65	15	25	5	50
TAM10S	M10	80	80		5.9	18	45	5	25
TAM12S	M12	100	100		8.4	22	75	5	20

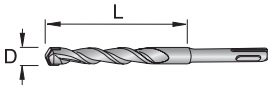
Johnson Controls reserves the right to change the content without notice

Holedrill

HOLEDRILL

Art.Nr.	D mm	KG /100	
HOLESAWCP	14-32	7	1
HOLESAWCP5	32-152	24	1

Drill for stone & concrete

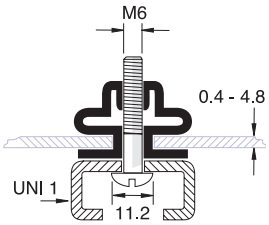


SDS

Art.Nr.	D mm	L mm	KG /100	
HW1121108	8	100	10	10
HW1121112	10	100	10	10
HW1121117	12	100	10	5

Jack nut cavity fixing

Material:Steel
Finish :Electro zinc plated

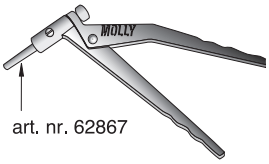


Jack Nut

Art.Nr.	KG /100	
8SJN	0.4	500

Jack nut cavity fixing tool

Material:JN TOOL-Material text.txt



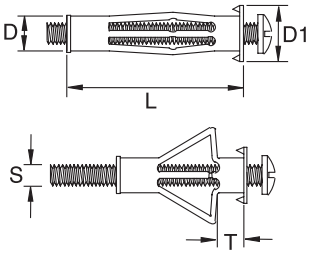
JN TOOL

Art.Nr.	KG /100	
62869	40.2	1

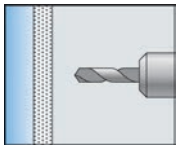
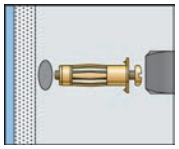
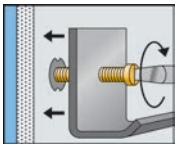
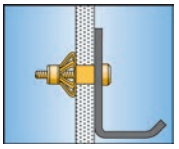
HM

Cavity fixing

Material: Steel
Finish : Electro zinc plated



Art.Nr.	D mm	D1 mm	L mm	T mm	S	do mm	KG /100	
1751412	8	13	32	3.0-14.0	M4x40	8	0.3	50
1751424	8	13	46	16.0-26.0	M4x52	8	0.5	50
1751616	12	18	52	3.0-16.0	M6x60	12	0.9	50
1751632	12	18	65	16.0-32.0	M6x70	12	1.2	50
1751816	12	18	55	3.0-16.0	M8x60	12	1	50

Cavity fixing tool

Material:HM TOOL-Material text.txt

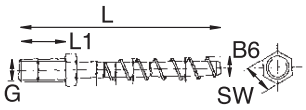
HM TOOL

Art.Nr.	KG /100	
2210099	64.7	1

MMS-ST

Concrete screws

Material: Steel
Finish : Electro zinc plated

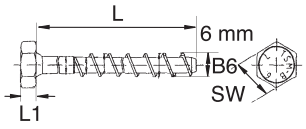


Art.Nr.	D mm	G	L mm	L1 mm	F2 kN	do mm	SW mm	KG /100	
1860608	7.6	M8	75	16	0.5	6x65	10	1.8	100

MMS-SW

Concrete screws

Material: Steel
Finish : Electro zinc plated

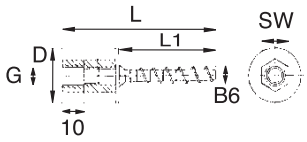


Art.Nr.	D mm	D1 mm	L mm	L1 mm	F2 kN	do mm	SW mm	KG /100	
1860601	7.6		60	5	0.5	6x65	13	1.7	100
1860801	10.5		80	7	1.5	8x65	17	4	100

MMS-LBD

Concrete screws

Material: Steel
Finish : Electro zinc plated

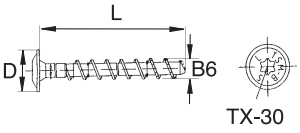


Art.Nr.	D mm	D1 mm	G	L mm	L1 mm	F2 kN	do mm	SW mm	KG /100	
1860609	6	25	M8/M10	60	35	-	6x40	13	3.4	50
1860610	6	25	M8/M10	85	60	0.5	6x60	13	3.8	50

MMS-P

Concrete screws

Material: Steel
Finish : Electro zinc plated

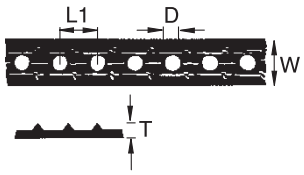


Art.Nr.	D mm	D1 mm	G	L mm	F2 kN	do mm	KG /100	
1860609						6x40		
1860665	6	15	tx-30	40	-	6x40	1.2	100
1860666	7.6	15	tx-30	60	0.5	6x65	1.6	100

PSB-P

Perforated steel band, plastic coated

Material:Steel DX51D+Z275 - EN 10327 + Polyethylen black

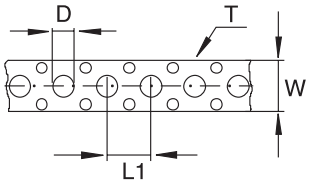


Art.Nr.	D mm	L m	L1 mm	W mm	T mm	F2 kN	KG/m	KG /100	
1541902	6.2	10	15	19	2.2	0.85	0.106	105.3	1
1542702	8.2	10	25	27	3	1.5	0.199	199.4	1

PSB

Perforated steelband

Material: Steel DX51D+Z275 - EN 10327 + Stainless Steel 1.4016 (1351702)

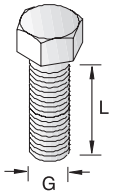


Art.Nr.	Material	D mm	L m	L1 mm	W mm	T mm	F2 kN	KG/m	KG /100	
1351702	SS 1.4016	6.5	10	15	17	0.8	0.85	0.09	60	1
1551202	DX51	5.4	10	15	12	0.5	0.5	0.04	105.3	1
1551702	DX51	6.5	25	15	17	0.8	0.85	0.09	225	1
1552502	DX51	8.5	10	25	25	1	1	0.166	166	1

General Fixings

Bolts DIN 933

Material:Steel 8.8 DIN-EN-ISO 4017
Finish :Electro zinc plated

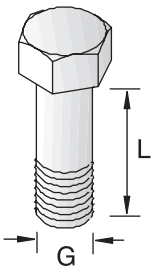


DIN 933

Art.Nr.	G	L mm	KG /100	
93356X16	M6	16	0.5	100
93356X20	M6	20	0.6	100
93356X25	M6	25	0.7	100
93356X30	M6	30	0.8	100
93356X35	M6	35	0.8	100
93356X40	M6	40	0.9	100
93356X60	M6	60	1.3	100
93358X20	M8	20	1.2	100
93358X25	M8	25	1.4	100
93358X30	M8	30	1.5	100
93358X35	M8	35	1.7	100
93358X40	M8	40	1.9	100
93358X45	M8	45	2	100
93358X50	M8	50	2.2	100
93358X60	M8	60	2.5	100
933510X20	M10	20	2.1	100
933510X25	M10	25	2.6	100
933510X30	M10	30	2.6	100
933510X40	M10	40	3.3	100
933510X50	M10	50	3.8	100
933510X60	M10	60	4.3	100
933510X80	M10	80	5.3	100
933510X100	M10	100	6.3	100
933510X120	M10	120	7.1	50
933512X22	M12	22	3.5	100
933512X25	M12	25	3.7	100
933512X30	M12	30	3.8	100
933512X40	M12	40	4.7	100
933512X50	M12	50	5.5	100
933512X60	M12	60	6.2	100
933512X80	M12	80	7.5	50
933512X100	M12	100	9.1	50
933516X30	M16	30	7.7	50
933516X40	M16	40	9	50
933516X50	M16	50	10.3	50
933516X60	M16	60	11.7	50
933516X80	M16	80	14.4	25
933516X100	M16	100	17	25

Bolts DIN 931

Material:Steel 8.8 DIN-EN-ISO 4014
Finish :Electro zinc plated

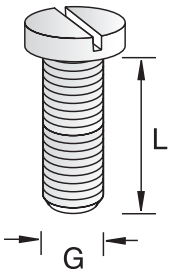


DIN 931

Art.Nr.	G	L mm	KG /100	
931516X65	M16	65	13.9	25
931516X70	M16	75	13.9	25
931516X75	M16	75	14.7	25
931516X80	M16	80	15.5	100
93158X100	M8	100	4.4	100
93158X110	M8	110	4.8	100
93158X160	M8	160	8.7	50

Bolts DIN 84

Material:Steel 4.6 DIN-EN-ISO 1207
Finish :Electro zinc plated



DIN 84

Art.Nr.	G	L mm	KG /100	
1756553	M6	60	1.3	100

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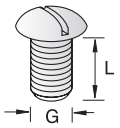
Bolts DIN 85A

Material: Steel DD11 4.6 DIN-EN-ISO 1580
Finish : Electro zinc plated



DIN 85A

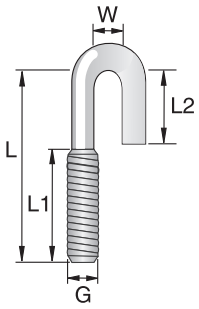
Art.Nr.	G	L mm	KG /100	
85A5M6X20	M6	20	0.6	100
85A5M6X25	M6	25	0.7	100

General Fixings

HB

Bolts

Material:Steel 4.6
Finish :Electro zinc plated



Art.Nr.	G	L mm	L1 mm	L2 mm	W mm	KG /100	
HB8X75	M8	75	50	20	13	7.5	100
HB10X150	M10	150	90	25	16	5	100

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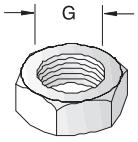
Nuts DIN 934

Material: Steel 8 DIN-EN-ISO 4032
Finish : Electro zinc plated

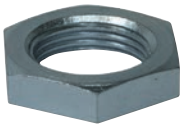


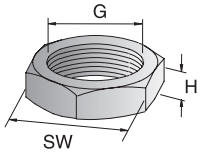
DIN 934

Art.Nr.	G	KG /100	
9345M6	M6	0.2	100
9345M8	M8	0.5	100
9345M10	M10	1.1	100
9345M12	M12	1.6	100
9345M16	M16	3.2	100
9345M20	M20	5.9	50
9345M24	M24	10	25
9345M27	M27	15	10

Nuts

Material: Steel 4
Finish : Electro zinc plated



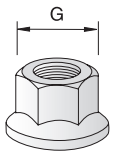


RG

Art.Nr.	G	H mm	SW mm	KG/M kg/m	
1442201	1/2"	8	32		50
1443501	1"	10	46		50

Nuts DIN 6923

Material: Steel DIN-EN-ISO 4032
Finish : Electro zinc plated

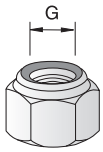


DIN 6923

Art.Nr.	G	KG /100	
69235M8	M8	0.8	100
69235M10	M10	1.6	100
69235M12	M12	2.3	100

Nuts DIN 985

Material: Steel >=5 DIN-EN-ISO 10511
Finish : Electro zinc plated



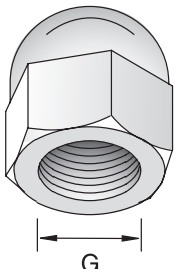
DIN 985

Art.Nr.	G	KG /100	
9855M6	M6	0.2	100
9855M8	M8	0.5	100
9855M10	M10	1.1	100
9855M12	M12	1.5	100

General Fixings

Nuts

Material:Steel 6
Finish :Electro zinc plated

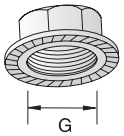


CN

Art.Nr.	G	KG /100	
1621096	M8	1.1	100
1621196	M10	2	100

Nuts Whizlock

Material:Steel 8
Finish :Electro zinc plated



WHIZLOCK

Art.Nr.	G	KG /100	
WHIZNUT5M6	M6	0.3	100
WHIZNUT5M8	M8	0.8	100
WHZNUT5M10	M10	1.2	100
WHZNUT5M12	M12	1.9	100
WHZNUT5M16	M16	4.7	100

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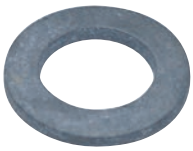
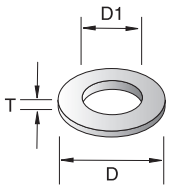
Washers DIN 125-1A

Material: Steel DIN-EN-ISO 7089
Finish : Electro zinc plated



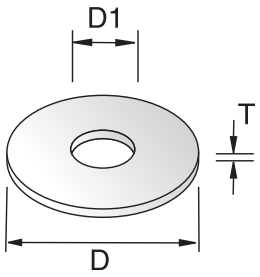


DIN 125-1A

Art.Nr.	D mm	D1 mm	T mm	KG /100	
1255M4	9	5	0.8	0.1	100
1255M6	12.5	7	1.6	0.01	100
1255M8	17	9	2	0.2	100
1255M10	21	11	2.5	0.4	100
1255M12	24	13	3	0.6	100
1255M16	30	17	3	1.1	100
1255M20	37	1	3	1.7	100
1255M24	44	25	4	3.2	100

Washers DIN 9021

Material: Steel DIN-EN-ISO 7093
Finish : Electro zinc plated

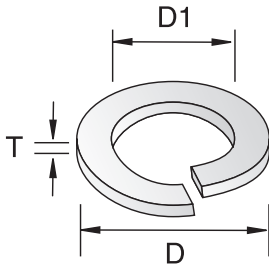


DIN 9021

Art.Nr.	D mm	D1 mm	T mm	KG /100	
90215M6	18	6.4	1.6	0.3	100
90215M8	24	8.4	2	0.6	100
90215M10	30	10.5	2.5	1.2	100
90215M12	37	13	3	2.2	100
90215M16	50	17	3	4.1	100
90215M20	60	21	4	7.7	100

Washers DIN 127B

Material: Springsteel DIN 267-26
Finish : Electro zinc plated

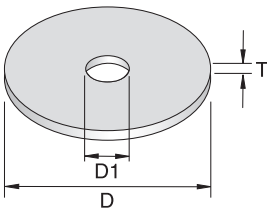


DIN 127B

Art.Nr.	D mm	D1 mm	T mm	KG /100	
1275M6	6.1	11.8	1.6	0.1	100
1275M8	8.1	14.8	2	0.2	100
1275M10	10.2	18.1	2.5	0.3	100
1275M12	12.2	21.1	3	0.4	100
1275M16	-	-	3	0.9	100

Washers U28 U40 + U20 35

Material: Steel
Finish : Electro zinc plated



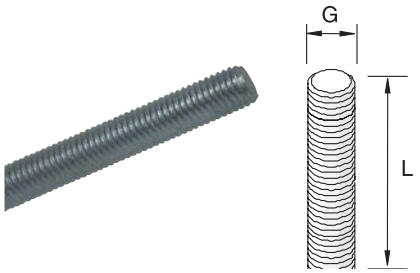
U28 U40 + U20 35

Art.Nr.	D mm	D1 mm	T mm	KG /100	
1620626	20	6.4	1.25	0.2	200
1620826	25	8.4	1.25	0.4	200
1620846	35	8.4	2	1.4	100
1621036	30	10.5	1.25	0.6	200
1621046	35	10.5	2	1.3	100
1621236	32	13	1.5	0.5	200
1621246	35	12.5	2	1.3	100
3910105	30	6.4	2	0.9	100
3910106	30	8.4	2	1	100
3910107	30	10.5	2	1	100
3910122	40	8.4	3	2.5	100
3910123	40	10.5	3	2.7	100
3910124	40	13	3	2.6	100
3910125	40	17	3	2.4	100

General Fixings

Threated Rod DIN 975

Material:Steel 4.6
Finish :Electro zinc plated

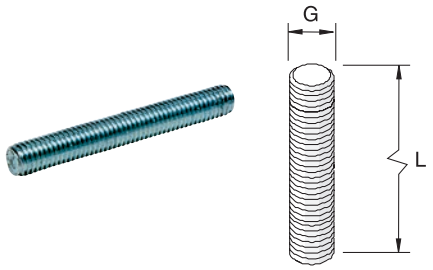


DIN 975

Art.Nr.	G	L mm	KG /100	
9755M6X1M	M6	1000	17	100
9755M6X2M	M6	2000	34	50
9755M6X3M	M6	3000	51	50
9755M8X1M	M8	1000	31.9	50
9755M8X2M	M8	2000	63.8	25
9755M8X3M	M8	3000	100	25
9755M10X1M	M10	1000	50	25
9755M10X2M	M10	2000	100	20
9755M10X3M	M10	3000	140	20
9755M12X1M	M12	1000	72.5	20
9755M12X2M	M12	2000	130	15
9755M12X3M	M12	3000	210	15
9755M16X1M	M16	1000	133	10
9755M16X2M	M16	2000	266	10

Threated Stud DIN 976

Material:Steel 4.6 (M8-M12) 8.8 (M16)
Finish :Electro zinc plated



DIN 976

Art.Nr.	G	L mm	KG /100	
9765M8X30	M8	30	10	100
9765M8X40	M8	40	1.3	100
9765M8X50	M8	50	1.6	100
9765M8X60	M8	60	1.9	100
9765M8X70	M8	70	2.2	100
9765M8X80	M8	80	2.6	100
9765M8X90	M8	90	2.9	100
9765M8X100	M8	100	3.2	100
9765M8X150	M8	150	4.8	50
9765M8X200	M8	200	6.4	50
9765M10X30	M10	30	1.5	100
9765M10X40	M10	40	2	100
9765M10X60	M10	60	4.4	100
9765M10X70	M10	70	3.5	100
9765M10X80	M10	80	4	100
9765M10X90	M10	90	4.5	100
9765M10X10	M10	100	5	100
9765M10X15	M10	150	7.5	50
9765M10X20	M10	200	10	25
9765M12X20	M12	200	14.5	25
9765M12X40	M12	40	2.9	100
9765M12X60	M12	60	4.4	100
9765M12X80	M12	80	5.8	50
9765M12X10	M12	100	7.3	50
9765M12X15	M12	150	10.9	50
9765M16X30	M16	30	4	100
9765M16X40	M16	40	5.3	100
9765M16X60	M16	60	8	50
9765M16X10	M16	100	13.3	25
9765M16X15	M16	150	20	10
9765M16X20	M16	200	26.6	10

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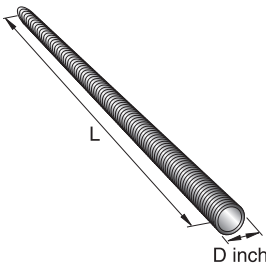
Threated Tube

Material: Steel
Finish : Electro zinc plated



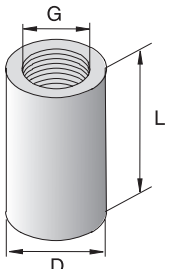
TUBE

Art.Nr.	D Inch	L mm	KG /100	
TUBE534	3/4	2000	276	5
TUBE512	1/2	2000	176	10
TUBE51	1	2000	430	5

General Fixings

Rod connctors and reducers

Material:Steel
Finish :Electro zinc plated

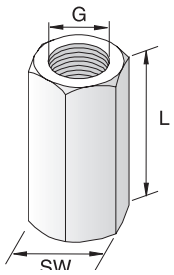


CR

Art.Nr.	D mm	G	L mm	KG /100	
1486256	10	M6	25	1.1	100
1488256	11	M8	25	1	100
1488406	11	M8	40	1.6	100
1481056	13	M10	25	1.3	100
1481046	13	M10	40	2	100
1481226	15	M12	25	1.6	100
1481246	15	M12	40	2.4	100
1481646	20	M16	40	6.2	100

Rod connctors and reducers

Material:Steel
Finish :Electro zinc plated

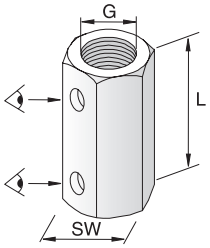


DIN 6334

Art.Nr.	G	L mm	SW mm	KG /100	
63345M6	M6	18	10	1	100
63345M8	M8	24	13	1.9	100
63345M10	M10	30	17	3.9	100
63345M12	M12	36	19	5.6	50
63345M16	M16	48	24	12.5	50

Rod connctors and reducers

Material:Steel
Finish :Electro zinc plated

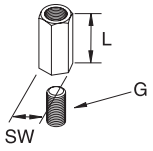


VISUAL

Art.Nr.	G	L mm	SW mm	KG /100	
TI63345M8	M8	30	13	2.2	100
TI63345M10	M10	30	17	4	50
TI63345M12	M12	30	17	3.3	50
TI63345M16	M16	40	22	7	50

Rod connctors and reducers

Material:Steel
Finish :Electro zinc plated



SOLID ADAPTER

Art.Nr.	G	G1	L mm	SW mm	KG /100	
SP12M10	M10	1/2"	39	24	9.9	50
SP12M12	M12	1/2"	42	24	10.8	50
SP12M16	M16	1/2"	51	24	14	50
SP34M12	M12	3/4"	47	30	18.1	50
SP1M12	M12	1	47	42	9.8	50
SP1M16	M16	1	55	42	12.3	50

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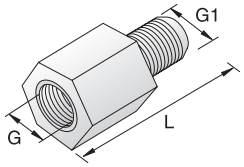
Rod connectors and reducers

Material: Steel
Finish : Electro zinc plated



ADAPTER

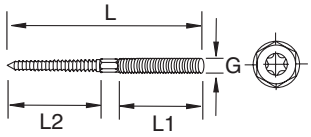
Art.Nr.	G	G1	L mm	SW mm	KG /100	
310810	M8	M10	21	13	1.1	100
310812	M8	M12	23	13	1.8	100
311008	M10	M8	23	13	1.3	100
311012	M10	M12	23	13	1.6	100
311016	M10	M16	32	19	5.4	50
311208	M12	M8	23	17	2.2	100
311210	M12	M10	25	17	2.4	100
311216	M12	M16	32	19	2.4	50
311610	M16	M10	32	24	6.6	50
311612	M16	M12	32	24	6.8	50
1481038	M10	3/8"	23	13	1.4	50
1482210	1/2"	M10	30	24	4.8	50
1482212	1/2"	M12	30	24	4.6	50
1482216	1/2"	M16	35	30	9.7	25

General Fixings

WT-MT

Wood fixings

Material: Steel
Finish : Electro zinc plated



Art.Nr.	G	L mm	L1 mm	L2 mm	SW mm	KG /100	
1440656	M6	50	25	23	-	0.8	100
1440856	M8	50	12	37	torx 25	1.1	100
1440860	M8	60	20	35	torx 25	1.9	100
1440880	M8	80	30	40	torx 25	1.4	100
1440896	M8	90	40	45	torx 25	2.3	100
1440810	M8	100	42	47	torx 25	2.5	100
1440816	M8	120	50	45	torx 25	3	100
1440836	M8	150	50	50	torx 25	3.9	100
1440865	M8	160	50	50	-	4	100
1440885	M8	180	50	60	-	4.6	100
1441060	M10	60	20	35	torx 25	2.2	100
1441080	M10	80	30	40	torx 25	3	100
1441012	M10	120	50	55	torx 25	5.1	50
1441016	M10	100	40	45	torx 25	3.8	50
1441026	M10	140	50	60	torx 25	5.7	50
1441036	M10	180	40	55	torx 25	7.6	50
1441210	M12	100	25	57	torx 30	5.4	50
1441212	M12	120	40	57	torx 30	6.8	50

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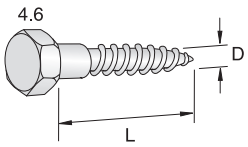
Wood fixings

Material: Steel
Finish : Electro zinc plated



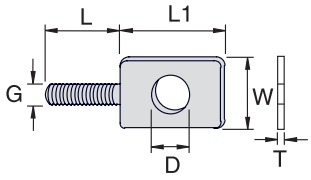
DIN 571

Art.Nr.	D mm	L mm	KG /100	
57156X50	6	50	1.0	100
57156X60	6	60	1.1	100
57156X70	6	70	1.3	100
57156X80	6	80	1.4	100
57158X40	8	40	1.6	100
57158X50	8	50	1.8	100
57158X60	8	60	2.1	100
57158X70	8	70	2.4	100
57158X80	8	80	2.7	100
57158X100	8	100	3.2	100
57158X120	8	120	3.7	100
571510X40	10	40	2.8	100
571510X50	10	50	3.2	100
571510X60	10	60	3.7	100
571510X70	10	70	4.1	100
571510X80	10	80	4.5	100
571510X100	10	100	5.4	100

MF

Eye Screws

Material: Steel
Finish : Electro zinc plated



Art.Nr.	D mm	G	L mm	L1 mm	W mm	T mm	KG /100	
1488205	10.5	M8	20	33	24	4.5	3	50
1488405	10.5	M8	40	33	24	4.5	3.7	50
1481205	12.5	M10	20	30	26	5	3.3	50
1481405	12.5	M10	40	30	26	5	4.3	50

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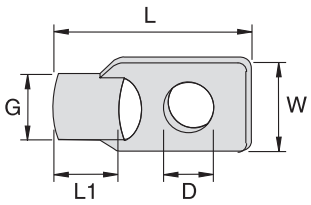
FF

Eye Screws

Material: Steel
Finish : Electro zinc plated

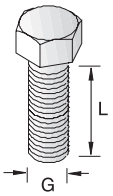


Art.Nr.	D mm	G	L mm	L1 mm	W mm	KG /100	
1480085	8	M8	46	21	19	1.7	100
1480105	10	M10	52	25	22	2.6	100
1480125	12.5	M12	65	32	25	5.4	100

General Fixings

Bolts DIN 933 Hot Dip Galvanised

Material:Steel 8.8 DIN-EN-ISO 4017
Finish :Hot dip galvanised



DIN 933-HDG

Art.Nr.	G	L mm	KG /100	
93336X20	M6	20	0.6	100
93336X25	M6	25	0.7	100
93336X30	M6	30	0.8	100
93336X40	M6	40	0.9	100
93338X20	M8	20	1.2	100
93338X25	M8	25	1.4	100
93338X40	M8	40	1.9	100
93338X50	M8	50	2.2	100
93338X60	M8	60	2.4	100
933310X20	M10	20	2.3	100
933310X25	M10	25	2.6	100
933310X30	M10	30	2.8	100
933310X40	M10	40	3.1	100
933310X50	M10	50	3.6	100
933310X60	M10	60	4.1	100
933310X80	M10	80	5.2	100
933312X22	M12	22	3.4	100
933312X25	M12	25	3.7	100
933312X30	M12	30	4	100
933312X40	M12	40	4.7	100
933312X50	M12	50	5.5	100
933312X60	M12	60	6.2	100
933312X80	M12	80	7.4	50

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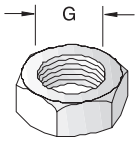
Nuts DIN 934 Hot Dip Galvanised

Material: Steel 8 DIN-EN-ISO 4032
Finish : Hot dip galvanised



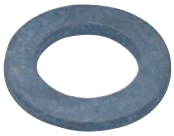
DIN 934-HDG

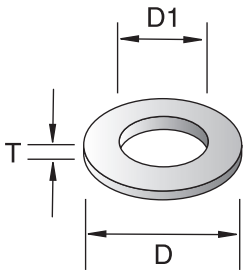
Art.Nr.	G	KG /100	
9343M6	M6	0.2	100
9343M8	M8	0.5	100
9343M10	M10	1.1	100
9343M12	M12	1.6	100
9343M16	M16	3	100

General Fixings

Washers DIN 125-1AHot Dip Galvanised

Material:Steel DIN-EN-ISO 7089
Finish :Hot dip galvanised



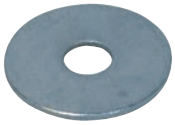


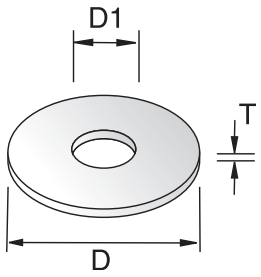
DIN 125-1A-HDG

Art.Nr.	D mm	D1 mm	T mm	KG /100	
1253M6	12.5	7	1.6	0.1	100
1253M8	17	9	2	0.2	100
1253M10	21	11	2.5	0.4	100
1253M12	24	13	3	0.6	100
1253M16	30	17	3	1.1	100

Washers DIN 9021Hot Dip Galvanised

Material:Steel DIN-EN-ISO 7093
Finish :Hot dip galvanised



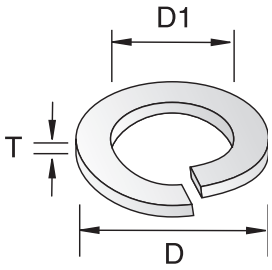


DIN 9021-HDG

Art.Nr.	D mm	D1 mm	T mm	KG /100	
90213M6	18	6.4	2	0.2	100
90213M8	24	8.4	2.5	0.7	100
90213M10	30	10.5	3	1.2	100
90213M12	37	13	3	2.2	100
90213M16	50	17	3	4.9	100

Washers DIN 127BHot Dip Galvanised

Material:Springsteel DIN 267-26
Finish :Hot dip galvanised



DIN 127B-HDG

Art.Nr.	D mm	D1 mm	T mm	KG /100	
1273M6	6.1	11.8	1.6	0.1	100
1273M8	8.1	14.8	2.0	0.2	100
1273M10	10.2	18.1	2.5	0.3	100
1273M12	12.2	21.1	3.0	0.4	100

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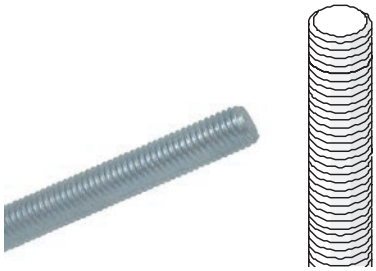
Threated Rod DIN 975 Hot Dip Galvanised

Material: Steel 4.6
Finish : Hot dip galvanised



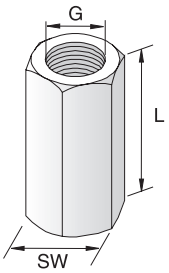
DIN 975-HDG

Art.Nr.	G	L mm	KG /100	
9753M10X1M	M10	1000	50	25
9753M12X1M	M12	1000	72.5	25
9753M16X1M	M16	1000	133	10

General Fixings

Rod connctors and reducers

Material:Steel
Finish :Hot dip galvanised

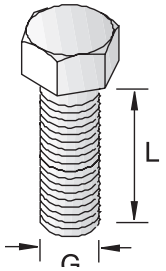


DIN 6334-HDG

Art.Nr.	G	L mm	SW mm	KG /100	
63343M8	M8	24	13	2	100
63343M10	M10	30	17	4.2	100
63343M12	M12	36	19	6	50

Bolts DIN 933 Stainless Steel

Material: Stainless Steel A4-70



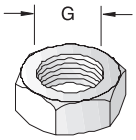
DIN 933-SS

Art.Nr.	G	L mm	KG /100	
93346X20	M6	20	0.6	100
93346X25	M6	25	0.7	100
93346X30	M6	30	0.8	100
93346X35	M6	35	0.8	100
93346X40	M6	40	0.9	100
93348X20	M8	20	1.2	100
93348X25	M8	25	1.4	100
93348X30	M8	30	1.6	100
93348X35	M8	35	1.7	100
93348X40	M8	40	1.9	100
93348X50	M8	50	2.2	100
933410X20	M10	20	2.3	100
933410X25	M10	25	2.6	100
933410X30	M10	30	2.8	100
933410X40	M10	40	3.3	100
933410X50	M10	50	3.8	100
933410X60	M10	60	4.3	50
933410X100	M10	100	6.3	100
933412X30	M12	30	4	100
933412X50	M12	50	5.5	50
933412X80	M12	80	7.6	25

General Fixings

Nuts DIN 934 Stainless Steel

Material:Stainless Steel A4-70

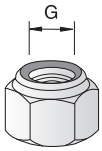


DIN 934-SS

Art.Nr.	G	KG /100	
9344M6	M6	0.2	100
9344M8	M8	0.5	100
9344M10	M10	1.1	100
9344M12	M12	1.6	100
9344M16	M16	3	50

Nuts DIN 985 Stainless Steel

Material:Stainless Steel A4

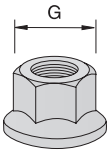


DIN 985-SS

Art.Nr.	G	KG /100	
9854M6	M6	0.2	100
9854M8	M8	0.5	50
9854M10	M10	1.1	50
9854M12	M12	1.7	25

Nuts DIN 6923 Stainless Steel

Material:Stainless Steel A2-70



DIN 6923-SS

Art.Nr.	G	KG /100	
69234M8	M8	0.7	100

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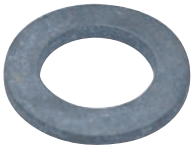
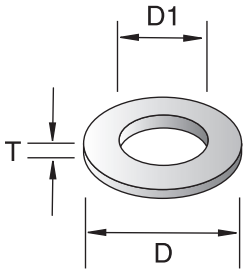
Washers DIN 125-1A Stainless Steel

Material: Stainless Steel A4



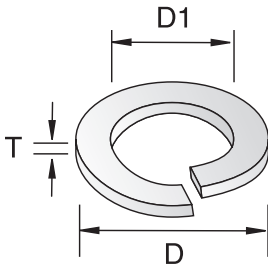


DIN 125-1A-SS

Art.Nr.	D mm	D1 mm	T mm	KG /100	
1254M6	12.5	7	1.6	0.1	100
1254M8	17	9	2.0	0.2	100
1254M10	21	11	2.5	0.4	100
1254M12	24	13	3.0	0.6	100
1254M16	30	17	3.0	1.1	100

Washers DIN 127B Stainless Steel

Material: Stainless Steel A4

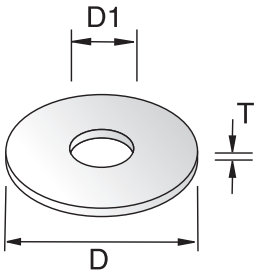


DIN 127B-SS

Art.Nr.	D mm	D1 mm	T mm	KG /100	
1274M8	14.8	8.1	2.0	0.2	100
1274M10	18.1	10.2	2.5	0.2	100
1274M12	21.1	12.2	3.0	0.4	100

Washers DIN 9021 Stainless Steel

Material: Stainless Steel 316 (1.4401)

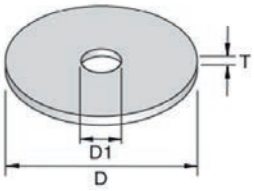


DIN 9021-SS

Art.Nr.	D mm	D1 mm	T mm	KG /100	
90214M6	18	6.4	1.6	0.3	100
90214M8	24	8.4	2.0	0.7	100
90214M10	30	10.5	2.5	1.2	100
90214M12	37	13	3.0	2.7	100

Washers U28 U40 + U20 35

Material: Stainless Steel 316 (1.4401)

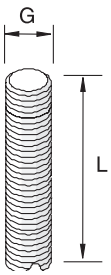


Art.Nr.	D mm	D1 mm	T mm	KG /100	
3910122SS	40	M8	3	4,5	100
3910123SS	40	M10	3	4,4	100

General Fixings

Threated Rod DIN 975 Stainless Steel

Material:Stainless Steel A4

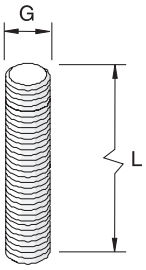


DIN 975-SS

Art.Nr.	G	L mm	KG /100	
9754M8X1M	M8	1000	31	50
9754M10X1M	M10	1000	49	25
9754M10X2M	M10	2000	98	20
9754M10X3M	M10	3000	147	20
9754M12X1M	M12	1000	71	20
9754M12X2M	M12	2000	142	15
9754M12X3M	M12	3000	213	15
9754M16X1M	M16	1000	131	10

Threated Stud DIN 976 Stainless Steel

Material:Stainless Steel A4



DIN 976-SS

Art.Nr.	G	L mm	KG /100	
9764M10X60	M10	60	2.9	100

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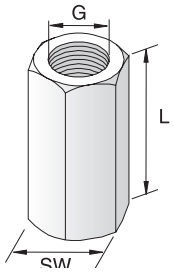
Rod connectors and reducers

Material: Stainless Steel A4



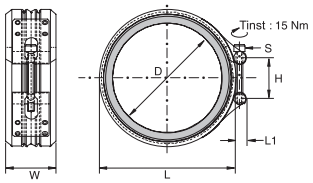
DIN 6334-SS

Art.Nr.	G	L mm	SW mm	KG /100	
63344M6	M6	18	10	0.9	100
63344M8	M8	24	13	1.9	100
63344M10	M10	30	17	4.4	100
63344M12	M12	36	19	6.3	50

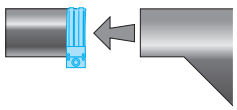
FAVORIT

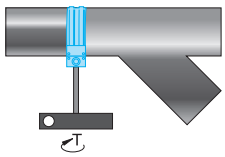
Coupler for ductile iron type FAVORIT

Material: Stainless Steel - 1.4520
EPDM - Shore = 55°± 5°



Art.Nr.	DN	D mm	L mm	L1 mm	W mm	H mm	Max Wk Pressure Bar	KG /100	
2190509	50	58	72	11	44	35	0.5	13.0	100
2190709	70	78	89	11	44	35	0.5	15.7	100
2190839	80	83	97	11	44	35	0.5	16.1	100
2191009	100	110	124	11	44	35	0.5	19.3	50
2191259	125	135	149	11	49	35	0.5	29.2	25
2191509	150	160	175	11	49	35	0.5	32.4	25

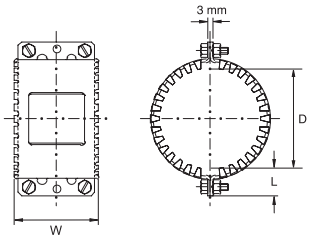




FAVORIT CLAMP

Coupler for ductile iron type FAVORIT

Material:Steel DD11 - EN 10111
Finish :Electro zinc plated - DIN EN 12329



Art.Nr.	DN	D mm	L mm	W mm	Max Wk Pressure Bar	KG /100	
2180750	70-80	78 & 83	20	77	10	55.8	25
2181000	110	110	20	96	7	91.0	25

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Notes

Notes

Kwikstrut

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At Johnson Controls (NYSE:JCI), we transform the environments where people live, work, learn and play. As the global leader in smart, healthy and sustainable buildings, our mission is to reimagine the performance of buildings to serve people, places and the planet.

Building on a proud history of nearly 140 years of innovation, we deliver the blueprint of the future for industries such as healthcare, schools, data centers, airports, stadiums, manufacturing and beyond through OpenBlue, our comprehensive digital offering.

Today, with a global team of 100,000 experts in more than 150 countries, Johnson Controls offers the world's largest portfolio of building technology and software as well as service solutions from some of the most trusted names in the industry.

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