

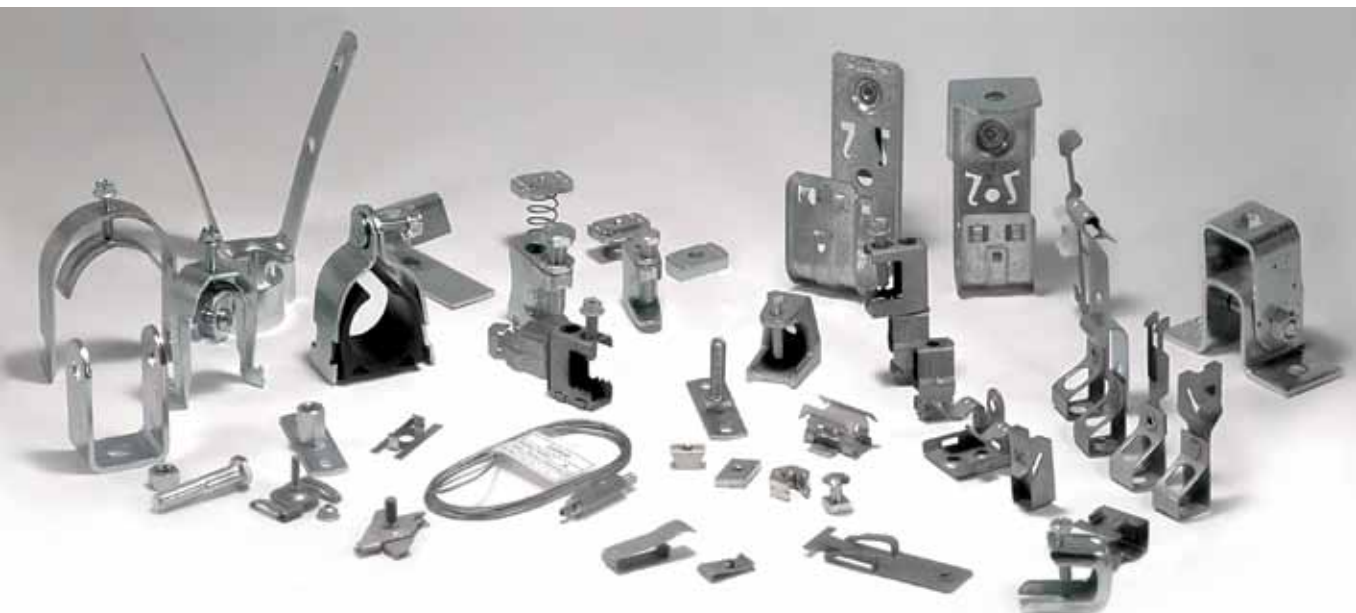


The Fixing Solution

Clips, fasteners, accessories and support systems
for use in the Electrical Industry

IBLF-13

**COOPER B-Line**



Eaton and Cooper united.

Energizing a world
that demands more.

Discover today's Eaton.

Powering business worldwide

As a global diversified power management company, we help customers worldwide manage the power needed for buildings, aircraft, trucks, cars, machinery and businesses.

Eaton's innovative technologies help customers manage electrical, hydraulic and mechanical power more reliably, efficiently, safely and sustainably.



Powering Business Worldwide



We deliver:

- **Electrical solutions** that use less energy, improve power reliability and make the places we live and work safer and more comfortable
- **Hydraulic and electrical solutions** that enable machines to deliver more productivity without wasting power
- **Aerospace solutions** that make aircraft lighter, safer and less costly to operate, and help airports operate more efficiently
- **Vehicle drivetrain and powertrain solutions** that deliver more power to cars, trucks and buses, while reducing fuel consumption and emissions

We provide integrated solutions that help make energy, in all its forms, more practical and accessible.

With 2012 sales of \$16.3 billion, Eaton has approximately 103,000 employees around the world and sells products in more than 175 countries.



Eaton's electrical business

Eaton is a global leader with expertise in:

- Power distribution and circuit protection
- Backup power protection
- Solutions for harsh and hazardous environments
- Lighting and security
- Structural solutions and wiring devices
- Control and automation
- Engineering services

Eaton is positioned through its global solutions to answer today's most critical electrical power management challenges. With 100 years of electrical experience behind us, we're energized by the challenge of powering up a world that demands twice as much energy as today. We're anticipating needs, engineering products, and creating solutions to energize our markets today and in the future.

We are dedicated to ensuring that reliable, efficient and safe power is available when it's needed most.

Eaton.com

B-Line Fasteners And Customer Service

Cooper B-Line, founded in 1955, is a leading North American manufacturer of support systems and electrical enclosures used in industrial and commercial installations.

Over 1300 employees develop, manufacture and distribute quality products worldwide. Complete systems offered are Strut, Cable Tray, Pipe Hangers, Fasteners, Telecom Supports and Electrical and Electronic Enclosures.

We are committed to the success of our customers through manufacturing, engineering and service.

With Cooper B-Line Fasteners you have access to a wide range of fastening products.

Ask your wholesaler or contact Cooper B-Line direct.

Learn more at www.cooperblin.co.uk

How To Use This Book:

Key To Tables Accompanying The Product



Universal Product Code



Finish and Box Quantity



Static capacity limit in kg with a safety factor of 3



Catalogue Number



360° Rotation



Ultimate static load capacity in kg with no safety factor



Dimensions

Conversion Example (for load tables)

1 kg = 10 N = 2.2046 Lbs

Type of Tools



Hammer Fixing



Wrench Fixing



Screw Fixing



Manual Fixing



Drill Required

Type of Applications



Jack Chain



Strap



Tray



Lighting



ATR



Channel



Pipe



Cable



Wire Rope

Type of Support



Beam



Purlin



Masonry



Decking



T-Bar



ATR



Pipe

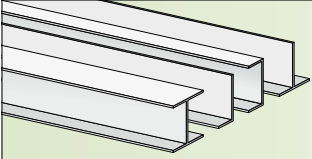

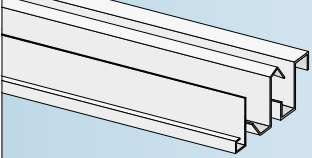

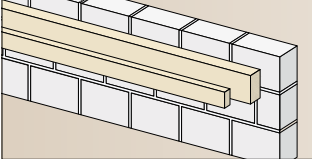

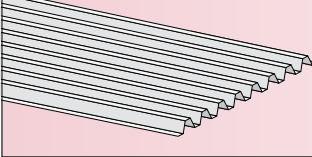

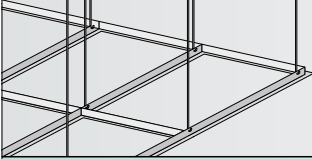

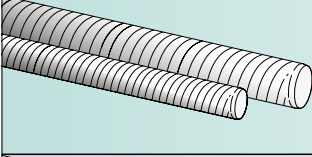

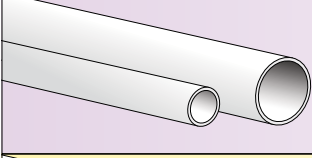

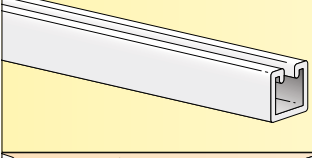

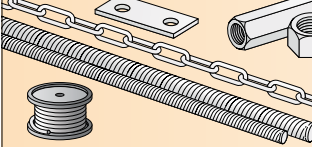
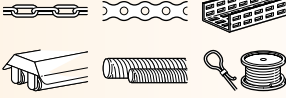


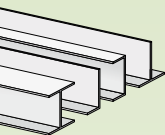
Channel



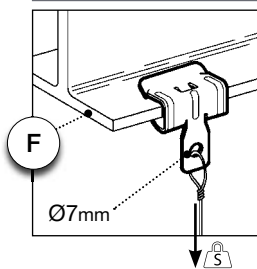
Suspension



	Beam		3 - 9	
	Purlin		10 - 14	
	Masonry		15 - 17	
	Decking		18	
	T-Bar		19 - 20	
	ATR		21 - 22	
	Pipe		23 - 25	
	Channel		26 - 28	
	Suspension		29 - 34	



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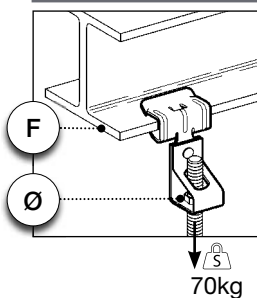
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781011 03897	BE-1-2	2 - 3	70kg	25
781011 03898	BE-2-4	3 - 8	90kg	25
781011 03899	BE-5-8	8 - 14	90kg	25
781011 03901	BE-9-12	14 - 20	90kg	25



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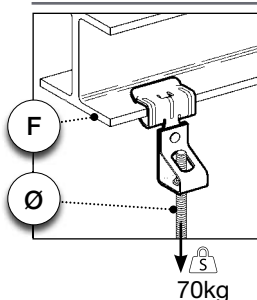
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781011 04101	BH5-E-1-2	2 - 3	11	25
781011 03693	BH5-E-2-4	3 - 8	11	25
781011 03694	BH5-E-5-8	8 - 14	11	25
781011 03695	BH5-E-9-12	14 - 20	11	25
781011 04142	BH13-E-1-2	2 - 3	13	25
781011 03696	BH13-E-2-4	3 - 8	13	25
781011 03697	BH13-E-5-8	8 - 14	13	25
781011 03698	BH13-E-9-12	14 - 20	13	25



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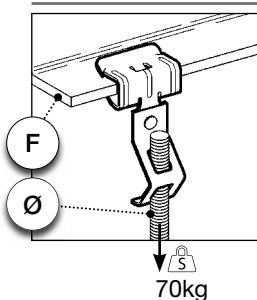
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781011 04099	BH4-E-1-2	2 - 3	M6	25
781011 03683	BH4-E-2-4	3 - 8	M6	25
781011 03684	BH4-E-5-8	8 - 14	M6	25
781011 03685	BH4-E-9-12	14 - 20	M6	25
781011 04102	BMH8-E-1-2	2 - 3	M8	25
781011 03687	BMH8-E-2-4	3 - 8	M8	25
781011 03688	BMH8-E-5-8	8 - 14	M8	25
781011 03689	BMH8-E-9-12	14 - 20	M8	25
781011 04103	BMH10-E-1-2	2 - 3	M10	25
781011 03690	BMH10-E-2-4	3 - 8	M10	25
781011 03691	BMH10-E-5-8	8 - 14	M10	25
781011 03692	BMH10-E-9-12	14 - 20	M10	25



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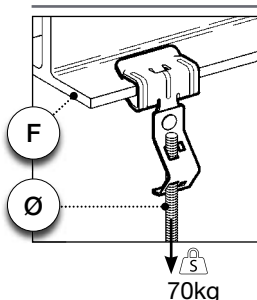
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781011 04193	BH14-E-1-2	2 - 3	M8	25
781011 03675	BH14-E-2-4	3 - 8	M8	25
781011 03676	BH14-E-5-8	8 - 14	M8	25
781011 03677	BH14-E-9-12	14 - 20	M8	25
781011 04192	BH2-E-1-2	2 - 3	M10	25
781011 03679	BH2-E-2-4	3 - 8	M10	25
781011 03680	BH2-E-5-8	8 - 14	M10	25



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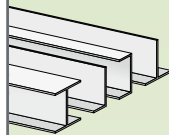
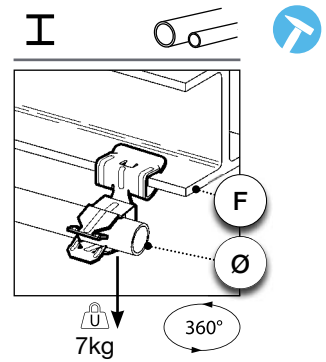


781011 04156	BMH1-E-1-2	2 - 3	M4/M5	25
781011 04157	BMH1-E-2-4	3 - 8	M4/M5	25
781011 04158	BMH1-E-5-8	8 - 14	M4/M5	25

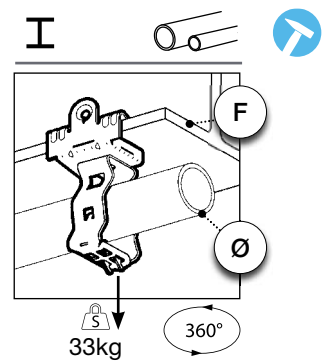




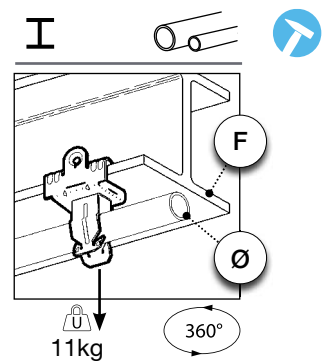
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781011 04105	BP-8-E-1-2	2 - 3	18 - 22	25	
781011 04011	BP-8-E-2-4	3 - 8	18 - 22	25	
781011 03902	BP-8-E-5-8	8 - 14	18 - 22	25	
781011 03903	BP-8-E-9-12	14 - 20	18 - 22	25	
781011 04107	BP-12-E-1-2	2 - 3	22 - 30	25	
781011 03904	BP-12-E-2-4	3 - 8	22 - 30	25	
781011 03906	BP-12-E-5-8	8 - 14	22 - 30	25	
781011 03907	BP-12-E-9-12	14 - 20	22 - 30	25	
781011 04145	BP-16-E-1-2	2 - 3	30 - 35	25	
781011 03908	BP-16-E-2-4	3 - 8	30 - 35	25	
781011 03909	BP-16-E-5-8	8 - 14	30 - 35	25	
781011 03911	BP-16-E-9-12	14 - 20	30 - 35	25	

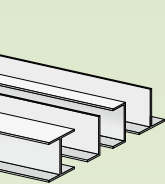


			F mm	Ø mm	M-ZINC
781011 03954	BG-6-U-2-4	3 - 8	14 - 18	25	
781011 03956	BG-6-U-5-8	8 - 14	14 - 18	25	
781011 03957	BG-6-U-9-12	14 - 20	14 - 18	25	
781011 03958	BG-8-12-U-2-4	3 - 8	18 - 27	25	
781011 03959	BG-8-12-U-5-8	8 - 14	18 - 27	25	
781011 03961	BG-8-12-U-9-12	14 - 20	18 - 27	25	
781011 03962	BG-16-U-2-4	3 - 8	27 - 35	25	
781011 03963	BG-16-U-5-8	8 - 14	27 - 35	25	
781011 03964	BG-16-U-9-12	14 - 20	27 - 35	25	
781011 03966	BG-20-U-2-4	3 - 8	35 - 42	25	
781011 03967	BG-20-U-5-8	8 - 14	35 - 42	25	
781011 03968	BG-20-U-9-12	14 - 20	35 - 42	25	
781011 03633	BG-24-U-2-4	3 - 8	42 - 50	25	
781011 03634	BG-24-U-5-8	8 - 14	42 - 50	25	
781011 03635	BG-24-U-9-12	14 - 20	42 - 50	25	
781011 03637	BG-32-U-2-4	3 - 8	50 - 63	25	
781011 03638	BG-32-U-5-8	8 - 14	50 - 63	25	
781011 03639	BG-32-U-9-12	14 - 20	50 - 63	25	

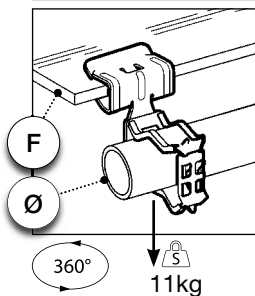


			F mm	Ø mm	M-ZINC
781011 03944	BP-8-U-2-4	3 - 8	18 - 22	25	
781011 03945	BP-8-U-5-8	8 - 14	18 - 22	25	
781011 03946	BP-8-U-9-12	14 - 20	18 - 22	25	
781011 03947	BP-12-U-2-4	3 - 8	22 - 30	25	
781011 03948	BP-12-U-5-8	8 - 14	22 - 30	25	
781011 03949	BP-12-U-9-12	14 - 20	22 - 30	25	
781011 03951	BP-16-U-2-4	3 - 8	30 - 35	25	
781011 03952	BP-16-U-5-8	8 - 14	30 - 35	25	
781011 03953	BP-16-U-9-12	14 - 20	30 - 35	25	





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781011 04146	BG-6-E-1-2	2 - 3	14 - 18	25
781011 03919	BG-6-E-2-4	3 - 8	14 - 18	25
781011 03921	BG-6-E-5-8	8 - 14	14 - 18	25
781011 03922	BG-6-E-9-12	14 - 20	14 - 18	25

781011 04097	BG-8-12-E-1-2	2 - 3	18 - 27	25
781011 03923	BG-8-12-E-2-4	3 - 8	18 - 27	25
781011 03924	BG-8-12-E-5-8	8 - 14	18 - 27	25
781011 03925	BG-8-12-E-9-12	14 - 20	18 - 27	25

781011 04098	BG-16-E-1-2	2 - 3	27 - 35	25
781011 03926	BG-16-E-2-4	3 - 8	27 - 35	25
781011 03927	BG-16-E-5-8	8 - 14	27 - 35	25
781011 03928	BG-16-E-9-12	14 - 20	27 - 35	25

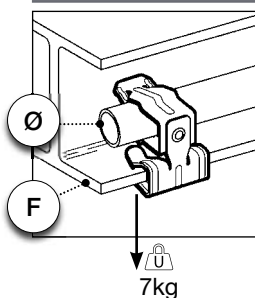
781011 04147	BG-20-E-1-2	2 - 3	35 - 42	25
781011 03929	BG-20-E-2-4	3 - 8	35 - 42	25
781011 03930	BG-20-E-5-8	8 - 14	35 - 42	25
781011 03931	BG-20-E-9-12	14 - 20	35 - 42	25

781011 04137	BG-24-E-1-2	2 - 3	42 - 50	25
781011 03932	BG-24-E-2-4	3 - 8	42 - 50	25
781011 03933	BG-24-E-5-8	8 - 14	42 - 50	25
781011 03934	BG-24-E-9-12	14 - 20	42 - 50	25

781011 04138	BG-32-E-1-2	2 - 3	50 - 63	25
781011 03935	BG-32-E-2-4	3 - 8	50 - 63	25
781011 03936	BG-32-E-5-8	8 - 14	50 - 63	25
781011 03937	BG-32-E-9-12	14 - 20	50 - 63	25



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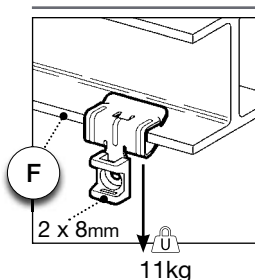
781011 04106	BP-8-E-1-2-R	2 - 3	18 - 22	25
781011 03912	BP-8-E-2-4-R	3 - 8	18 - 22	25
781011 03913	BP-8-E-5-8-R	8 - 14	18 - 22	25
781011 03914	BP-8-E-9-12-R	14 - 20	18 - 22	25

781011 04108	BP-12-E-1-2-R	2 - 3	22 - 30	25
781011 03916	BP-12-E-2-4-R	3 - 8	22 - 30	25
781011 03917	BP-12-E-5-8-R	8 - 14	22 - 30	25
781011 03918	BP-12-E-9-12-R	14 - 20	22 - 30	25

781011 04136	BP-16-E-1-2-R	2 - 3	30 - 35	25
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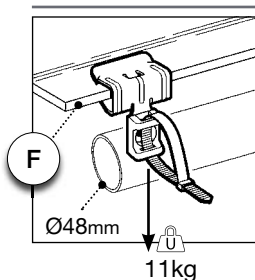
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781011 04088	BE-1-2-CT	2 - 3		25
781011 04091	BE-2-4-CT	3 - 8		25
781011 04092	BE-5-8-CT	8 - 14		25
781011 04093	BE-9-12-CT	14 - 20		25



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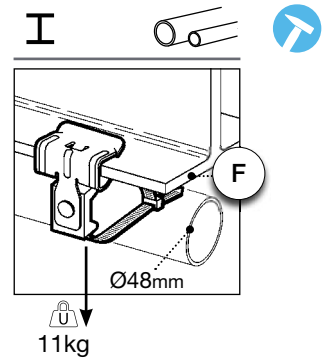


781011 04089	BE-1-2-CT2	2 - 3		25
781011 03771	BE-2-4-CT2	3 - 8		25
781011 03772	BE-5-8-CT2	8 - 14		25
781011 03773	BE-9-12-CT2	14 - 20		25

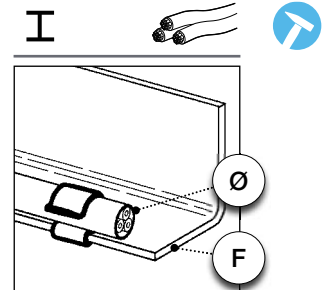




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781011 03774	BE-2-4-CT2-R	3 - 8	25	
781011 03775	BE-5-8-CT2-R	8 - 14	25	
781011 03776	BE-9-12-CT2-R	14 - 20	25	



		F mm	Ø mm	E-ZINC
781011 19973	BXS-67	2 - 4	6 - 7	100
781011 19974	BXS-89	2 - 4	8 - 9	100
781011 19975	BXS-1011	2 - 4	10 - 11	100
781011 19976	BXS-1214	2 - 4	12 - 14	100
781011 19977	BXS-1519	2 - 4	15 - 19	100
781011 19978	BXS-2024	2 - 4	20 - 24	100
781011 19979	BXS-2530	2 - 4	25 - 30	100



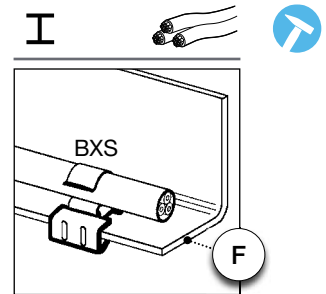
781011 19980	BXM-67	4 - 7	6 - 7	100
781011 19981	BXM-89	4 - 7	8 - 9	100
781011 19982	BXM-1011	4 - 7	10 - 11	100
781011 19983	BXM-1214	4 - 7	12 - 14	100
781011 19984	BXM-1519	4 - 7	15 - 19	100
781011 19985	BXM-2024	4 - 7	20 - 24	100
781011 19986	BXM-2530	4 - 7	25 - 30	100



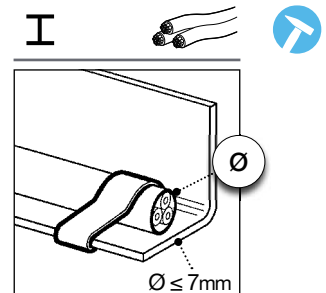
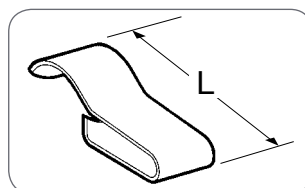
781011 19987	BXL-67	8 - 12	6 - 7	100
781011 19988	BXL-89	8 - 12	8 - 9	100
781011 19989	BXL-1011	8 - 12	10 - 11	100
781011 19990	BXL-1214	8 - 12	12 - 14	100
781011 19991	BXL-1519	8 - 12	15 - 19	100
781011 19992	BXL-2024	8 - 12	20 - 24	100
781011 19993	BXL-2530	8 - 12	25 - 30	100

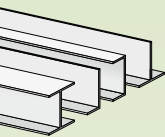


		F mm	E-ZINC
781011 19955	BFA-1215	12 - 15	+BXS 100
781011 19956	BFA-1520	15 - 20	+BXS 100



		Ø mm	L mm	M-ZINC
781011 04013	BX-16	16	41	100
781011 04012	BX-20	20	48	100

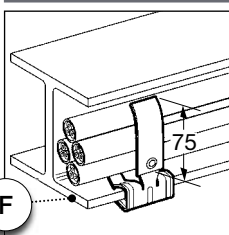




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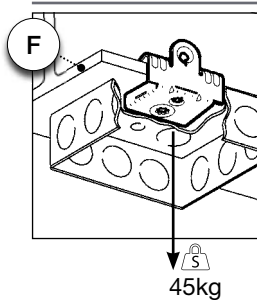
781011 03779	BE-1-2-F62	2 - 3	25
781011 03780	BE-2-4-F62	3 - 8	25
781011 03781	BE-5-8-F62	8 - 14	25
781011 03782	BE-9-12-F62	14 - 20	25



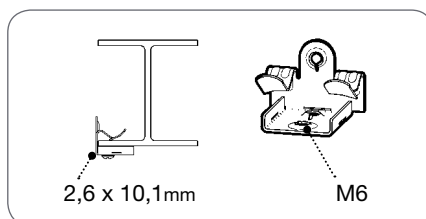
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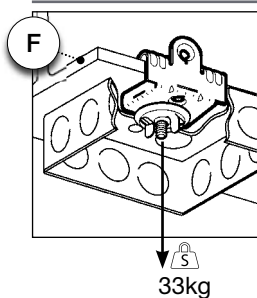
781011 03938	BU-2-4	3 - 8	25
781011 03939	BU-5-8	8 - 14	25
781011 03940	BU-9-12	14 - 20	25



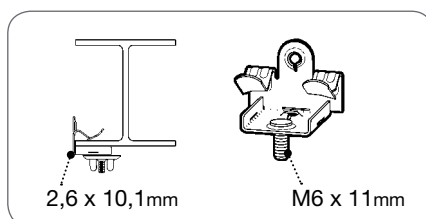
I



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mm



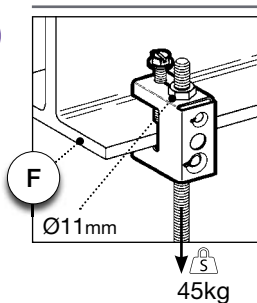
781011 03941	BMU-2-4-S	3 - 8	25
781011 03942	BMU-5-8-S	8 - 14	25
781011 03943	BMU-9-12-S	14 - 20	25



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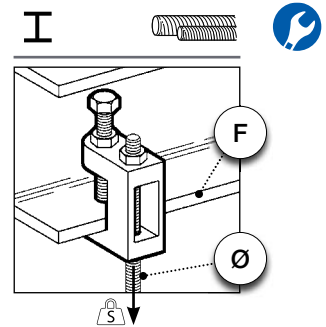


781011 03640	BC1	≤18	25
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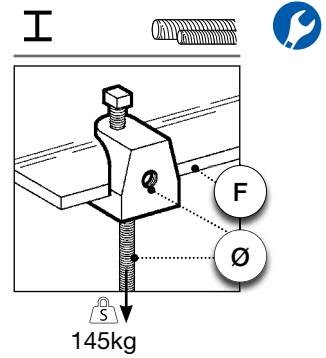




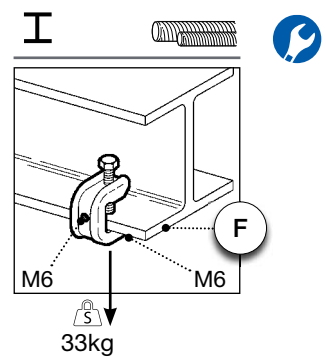
			F mm	Ø	S	E-ZINC
781011 97320	BC08	≤18	9mm	120kg	50	
781011 19938	BC10	≤19	11mm	240kg	50	
781011 19939	BC12	≤23	13mm	340kg	50	
782051 30655	BMC-06	≤18	M6	100kg	50	
781011 97322	BMC-08	≤18	M8	120kg	50	
781011 97321	BMC-10	≤19	M10	240kg	50	
781011 97253	BMC-12	≤23	M12	340kg	50	



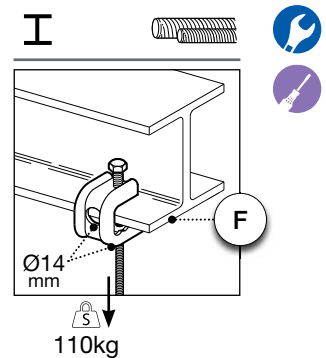
		F mm	Ø	E-ZINC
781011 19944	B444-M6	≤13	M6	50
781011 19945	B444-M8	≤13	M8	50
781011 19946	B444-M10	≤13	M10	50

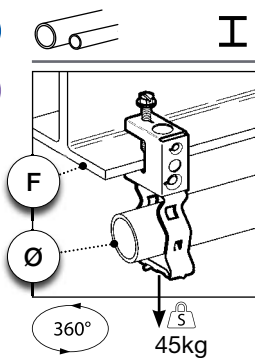
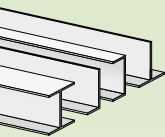


		F mm	E-ZINC
781011 03408	BMC442	3 - 16	25



		F mm	E-ZINC
781011 04535	BMC24	24	20
781011 04536	BMC32	32	20
781011 04537	BMC46	46	20



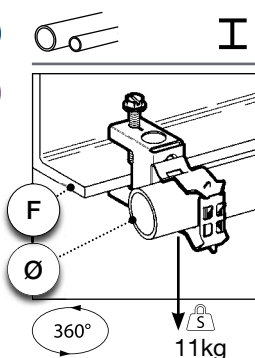


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781011 03641	BG-8-12-C2	≤18	18 - 27	25
781011 03642	BG-16-C2	≤18	27 - 35	25
781011 03643	BG-20-C2	≤18	35 - 42	25
781011 03644	BG-24-C2	≤18	42 - 50	25
781011 03645	BG-32-C2	≤18	50 - 63	25

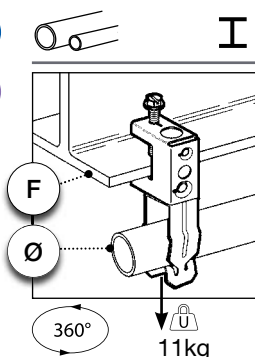


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781011 03646	BG-8-12-C1	≤18	18 - 27	25
781011 03647	BG-16-C1	≤18	27 - 35	25
781011 03648	BG-20-C1	≤18	35 - 42	25
781011 03649	BG-24-C1	≤18	42 - 50	25
781011 03651	BG-32-C1	≤18	50 - 63	25

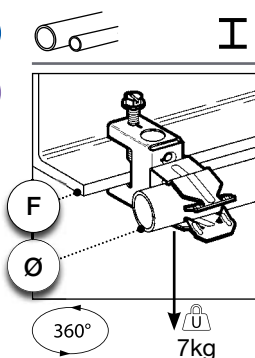


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781011 03652	BP-8-C2	≤18	18 - 22	25
781011 03653	BP-12-C2	≤18	22 - 30	25
781011 03655	BP-16-C2	≤18	30 - 35	25



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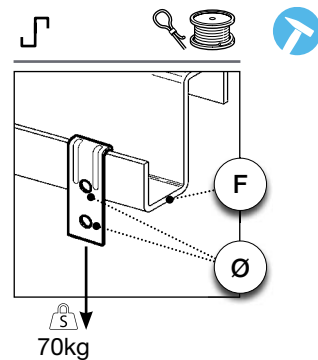





781011 03656	BP-8-C1	≤18	18 - 22	25
781011 03657	BP-12-C1	≤18	22 - 30	25
781011 03659	BP-16-C1	≤18	30 - 35	25

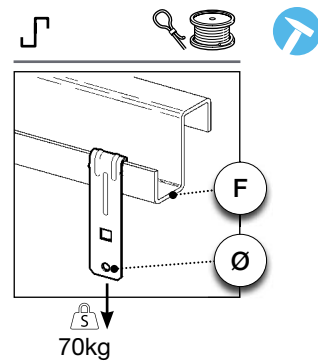







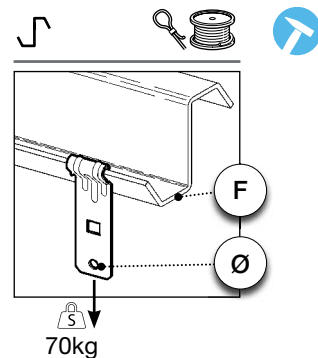
		F mm	Ø mm	
781011 03804	BF1	1,5 - 4,0	7	25
781011 03806	BF2	4,0 - 6,5	7	25






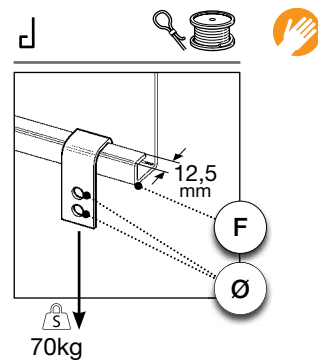
		F mm	Ø mm	
781011 88456	BF3	1,5 - 6,0	7	25



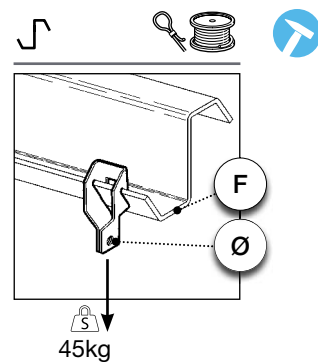
		F mm	Ø mm	
781011 88457	BF4	1,5 - 6,0	7	25

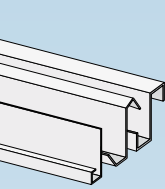


		F mm	Ø mm	
781011 04410	BF14	2,5	7	100



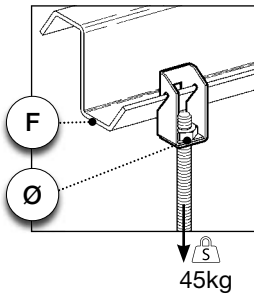
		F mm	Ø mm	
781011 03713	BF12	≤ 2.8	7	100





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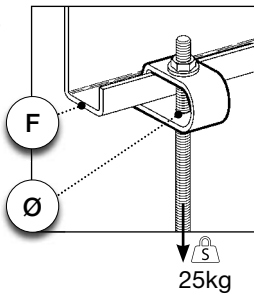


781011 03705	BF13	≤ 2.8	7	100
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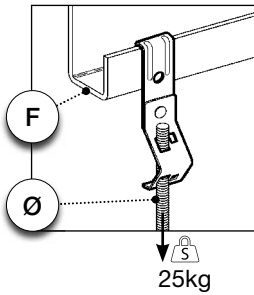


781011 01721	BH21	≤ 25	11	100
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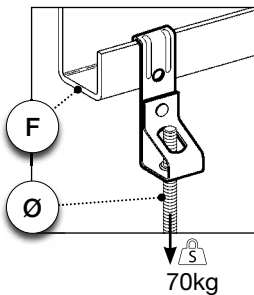


781011 04165	BMH1-F1	1,5 - 4,0	M4 & M5	25
781011 03819	BH1-F1	1,5 - 4,0	M4 & M6	25
781011 03821	BH14-F1	1,5 - 4,0	M8	25
781011 03822	BH2-F1	1,5 - 4,0	M10	25
781011 04166	BMH1-F2	4,0 - 6,5	M4 & M5	25
781011 03823	BH1-F2	4,0 - 6,5	M4 & M6	25
781011 03824	BH14-F2	4,0 - 6,5	M8	25
781011 03826	BH2-F2	4,0 - 6,5	M10	25



F
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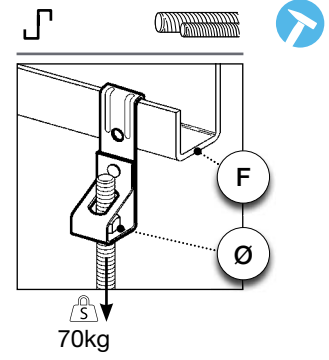


781011 03807	BH4-F1	1,5 - 4,0	M6	25
781011 03808	BMH8-F1	1,5 - 4,0	M8	25
781011 03809	BMH10-F1	1,5 - 4,0	M10	25
781011 03811	BH4-F2	4,0 - 6,5	M6	25
781011 03812	BMH8-F2	4,0 - 6,5	M8	25
781011 03813	BMH10-F2	4,0 - 6,5	M10	25

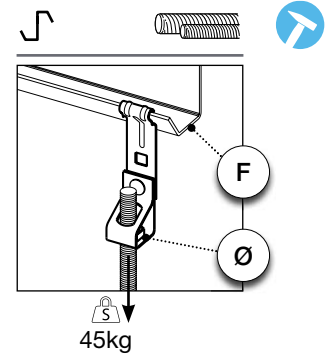




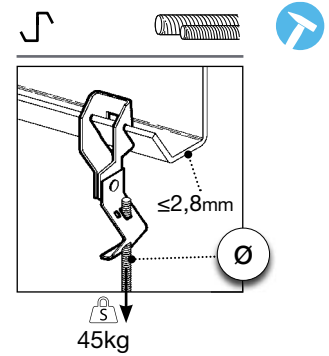
		F mm	Ø mm	M-ZINC
781011 03814	BH5-F1	1,5 - 4,0	11	25
781011 03816	BH13-F1	1,5 - 4,0	13	25
781011 03817	BH5-F2	4,0 - 6,5	11	25
781011 03818	BH13-F2	4,0 - 6,5	13	25



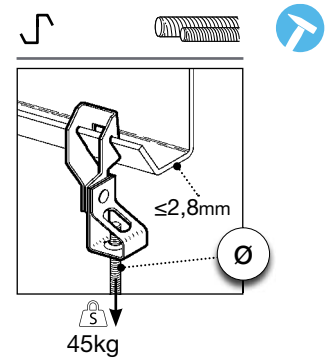
		F mm	Ø mm	M-ZINC
781011 88486	BH5-F4	1,5 - 6,0	11	25

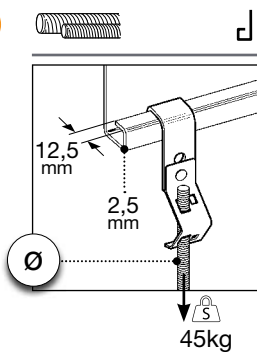
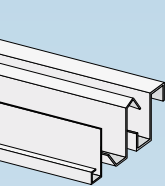


		Ø	M-ZINC
781011 04177	BMH1-F12	M4 & M5	25
781011 03714	BH1-F12	M4 & M6	25
781011 03715	BH14-F12	M8	25
781011 03716	BH2-F12	M10	25



		Ø	M-ZINC
781011 03717	BH4-F12	M6	25
781011 03718	BMH8-F12	M8	25
781011 03719	BMH10-F12	M10	25
781011 03802	BH5-F12	11mm	25
781011 03803	BH13-F12	13mm	25

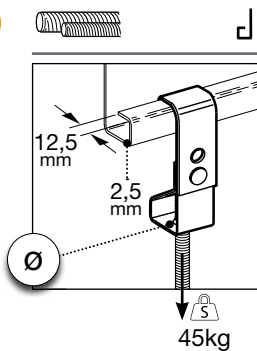




Ø



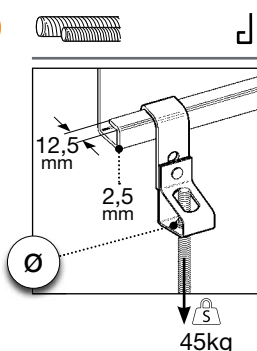
781011 04420	BH1-F14	M4 & M6	25
781011 04422	BH14-F14	M8	25
781011 04423	BH2-F14	M10	25



Ø



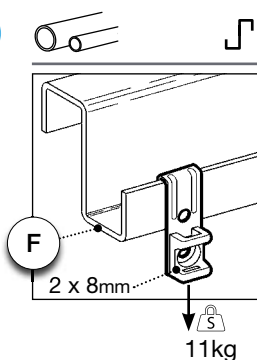
781011 94463	BH4-F14-R	M6	25
781011 95067	BMH8-F14-R	M8	25
781011 95069	BMH10-F14-R	M10	25
781011 95064	BH5-F14-R	11mm	25
781011 95075	BH13-F14-R	13mm	25



Ø



781011 04424	BH4-F14	M6	25
781011 04428	BMH8-F14	M8	25
781011 04427	BMH10-F14	M10	25
781011 04425	BH5-F14	11mm	25
781011 04421	BH13-F14	13mm	25



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mm

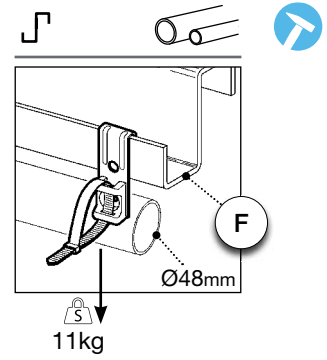


781011 04094	BF1-CT	1,5 - 4,0	25
781011 04096	BF2-CT	4,0 - 6,5	25

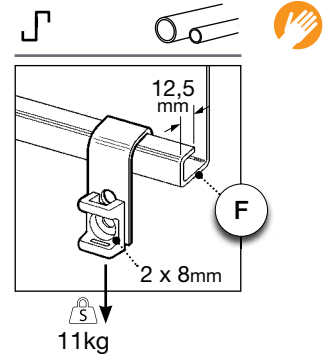




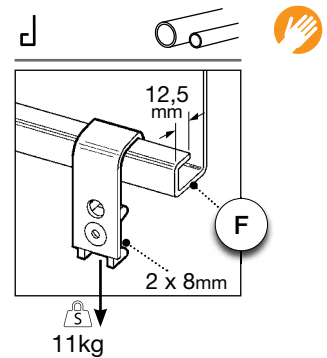
		F mm	M-ZINC
781011 03777	BF1-CT2	1,5 - 4,0	25
781011 03778	BF2-CT2	4,0 - 6,5	25



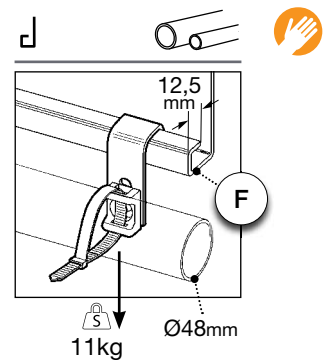
		F mm	E-ZINC
781011 04412	BF14-CT	2,5	25

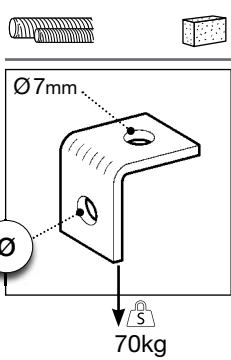
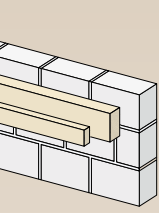


		F mm	E-ZINC
781011 04413	BF14-CT-R	2,5	25



		F mm	E-ZINC
781011 04414	BF14-CT2	2,5	25

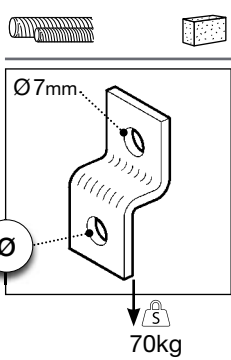




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mm



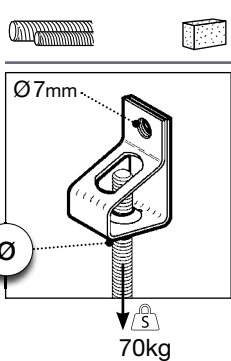
781011 03872	BH7	7	25
781011 03873	BH7-6	11	25



Ø
mm



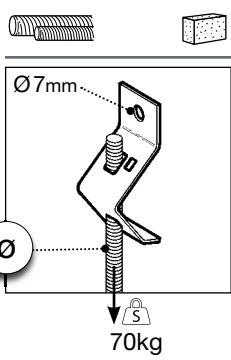
781011 03874	BH8	7	100
781011 03876	BH8-6	11	100



Ø



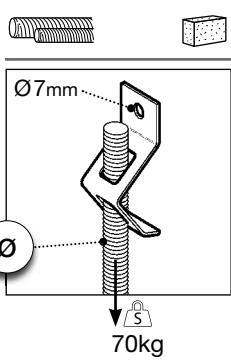
781011 03866	BH4	M6	100
781011 03867	BMH8	M8	100
781011 03868	BMH10	M10	100
781011 03869	BH5	11mm	100
781011 03871	BH13	13mm	100



Ø



781011 04176	BMH1	M4 & M5	100
781011 03863	BH1	M4 & M6	100






Ø

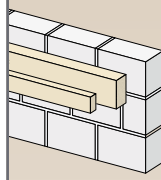
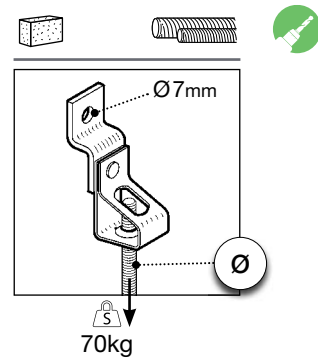





781011 03864	BH14	M8	100
781011 03865	BH2	M10	100

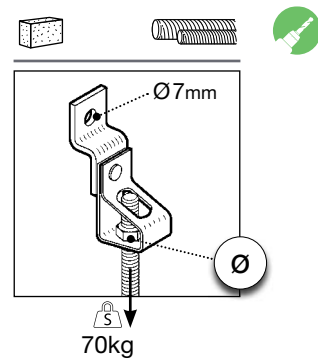







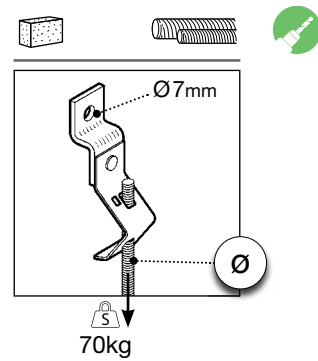
		Ø	
781011 03858	BH4-H8	M6	25
781011 03859	BMH8-H8	M8	25
781011 03860	BMH10-H8	M10	25






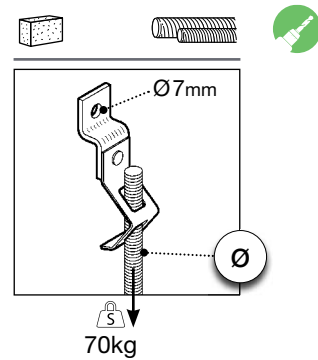
		Ø mm	
781011 03861	BH5-H8	11	25
781011 03862	BH13-H8	13	25

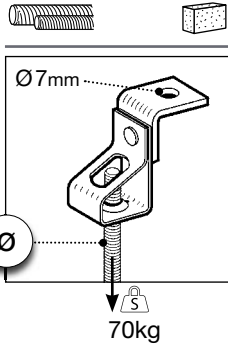
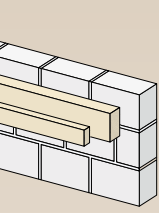


		Ø	
781011 04179	BMH1-H8	M4 & M5	25
781011 03855	BH1-H8	M4 & M6	25



		Ø	
781011 03856	BH14-H8	M8	25
781011 03857	BH2-H8	M10	25

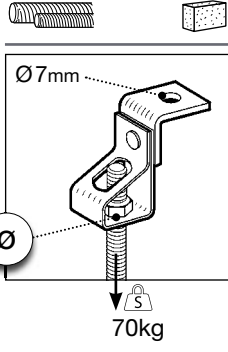




Ø



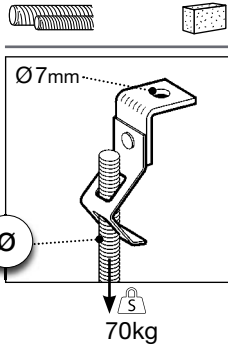
781011 03847	BH4-H7	M6	25
781011 03848	BMH8-H7	M8	25
781011 03849	BMH10-H7	M10	25



Ø
mm



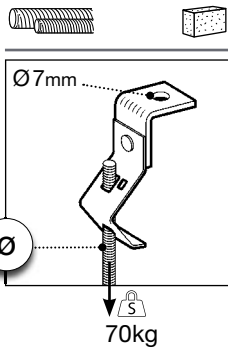
781011 03851	BH5-H7	11	25
781011 03852	BH13-H7	13	25



Ø



781011 03844	BH14-H7	M8	25
781011 03846	BH2-H7	M10	25



Ø



781011 04178	BMH1-H7	M4 & M5	25
781011 03843	BH1-H7	M4 & M6	25

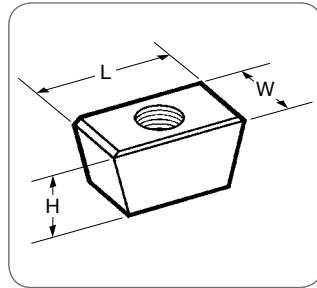
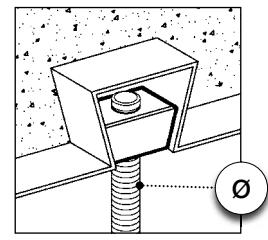


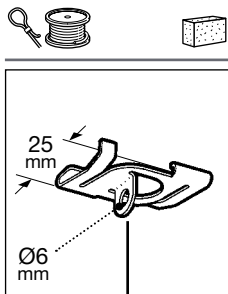


H x W x L
mm



781011 04190	BWN25-4	M4	12 x 12 x 25	100
781011 03428	BWN25-6	M6	12 x 12 x 25	100
781011 03429	BWN25-8	M8	12 x 12 x 25	100
781011 03430	BWN25-10	M10	12 x 12 x 25	100
781011 04191	BWN25-16-12	M12	16 x 16 x 25	100
782051 30663	BWN259-6	M6	9,6 x 9,6 x 25	100
782051 30665	BWN259-8	M8	9,6 x 9,6 x 25	100
782051 30676	BWN189-4	M4	9,6 x 9,6 x 18	100
782051 30677	BWN189-6	M6	9,6 x 9,6 x 18	100
782051 30678	BWN189-8	M8	9,6 x 9,6 x 18	100
782051 30668	BWN199-4	M4	9,6 x 9,6 x 19	100
782051 30669	BWN199-6	M6	9,6 x 9,6 x 19	100
782051 30670	BWN199-8	M8	9,6 x 9,6 x 19	100

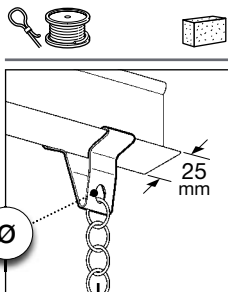




18kg



781011 18040	BA-4-16-H	WHITE	100
781011 03891	BA-4-16-H-MZ	M-ZINC	25



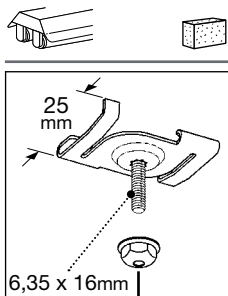
18kg



Ø mm



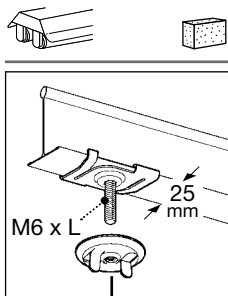
781011 04449	BA-4-16-H-1	7	100
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11kg



781011 03888	BA-2-16	25
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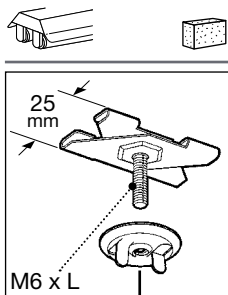
22kg



L mm



781011 04518	BMA-4-16-6	11	25
781011 03883	BMA-4-16	16	25
781011 04567	BMA-4-16-16	25	25
781011 03884	BMA-4-16-24	38	25
781011 03886	BMA-4-16-32	51	25
781011 03887	BMA-4-16-48	76	25



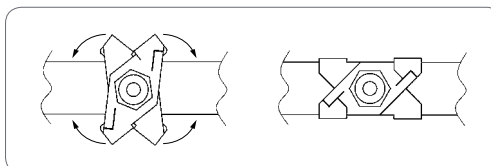
22kg



L mm



781011 04392	BMAX-4-16	16	25
781011 04393	BMAX-4-16-24	38	25
781011 04451	BMAX-4-16-32	51	25
781011 04452	BMAX-4-16-48	76	25

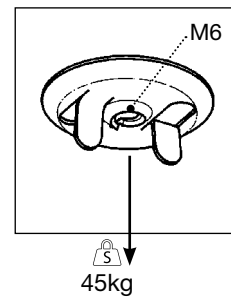




781011 03882

BA-4-WN

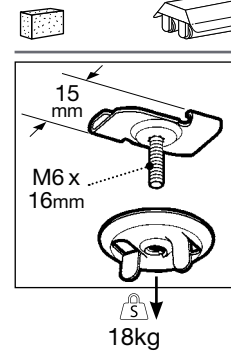
25



781011 03892

BMA-4-9

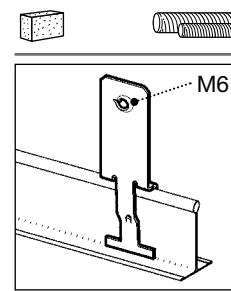
25



781011 03787

BA5-4T

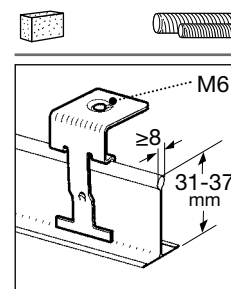
25



781011 03794

BA6-4T

25



L
mm



781011 03784

BMA1

16

25

781011 03785

BMA1-24

38

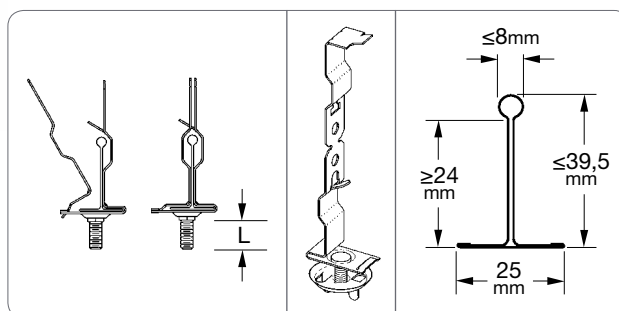
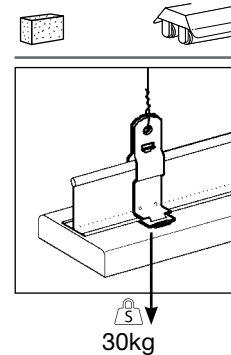
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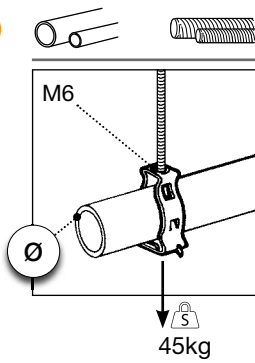
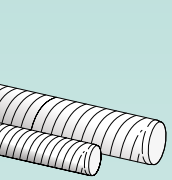
781011 03786

BMA1-32

51

25

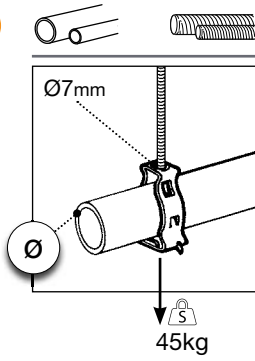




Ø
mm



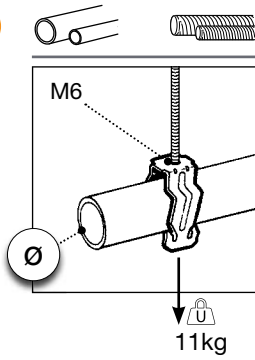
781011 03725	BG-6-4T	14 - 18	25
781011 03726	BG-8-12-4T	18 - 27	25
781011 03727	BG-16-4T	27 - 35	25
781011 03728	BG-20-4T	35 - 42	25
781011 03729	BG-24-4T	42 - 50	25
781011 03730	BG-32-4T	50 - 63	25



Ø
mm



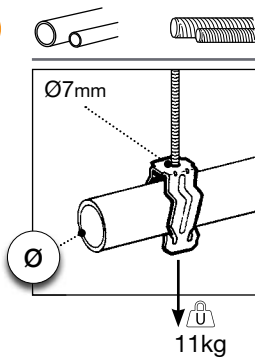
781011 03631	BG-6	14 - 18	25
781011 03720	BG-8-12	18 - 27	25
781011 03721	BG-16	27 - 35	25
781011 03722	BG-20	35 - 42	25
781011 03723	BG-24	42 - 50	25
781011 03724	BG-32	50 - 63	25



Ø
mm



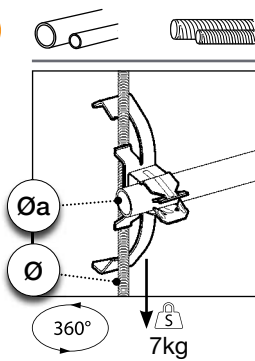
781011 03734	BP-8-4T	18 - 22	25
781011 03735	BP-12-4T	22 - 30	25
781011 03736	BP-16-4T	30 - 35	25



Ø
mm



781011 03731	BP-8	18 - 22	25
781011 03732	BP-12	22 - 30	25
781011 03733	BP-16	30 - 35	25



Ø

Øa
mm



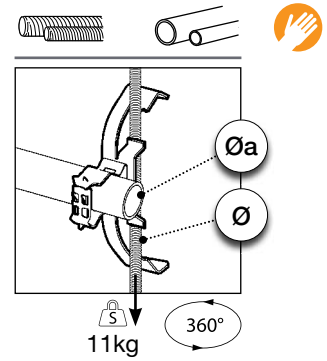
781011 03758	BP-8-W2	M3 - M6	18 - 22	25
781011 03759	BP-12-W2	M3 - M6	22 - 30	25
781011 03761	BP-16-W2	M3 - M6	30 - 35	25

781011 95563	BP-8-W6	M8 - M12	18 - 22	25
781011 95564	BP-12-W6	M8 - M12	22 - 30	25
781011 95565	BP-16-W6	M8 - M12	30 - 35	25

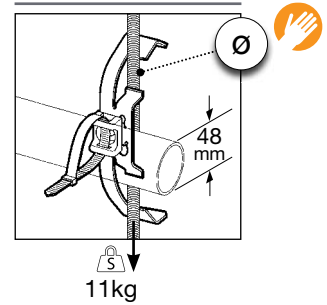




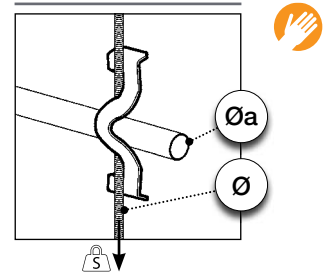
			Ø	Øa mm	M-ZINC
782051 37357	BG-6-W2	M3 - M6	14 - 18	25	
781011 03756	BG-8-12-W2	M3 - M6	18 - 27	25	
782051 37358	BG-6-W6	M8 - M12	14 - 18	25	
781011 95561	BG-8-12-W6	M8 - M12	18 - 27	25	
781011 95562	BG-16-W6	M8 - M12	27 - 35	25	



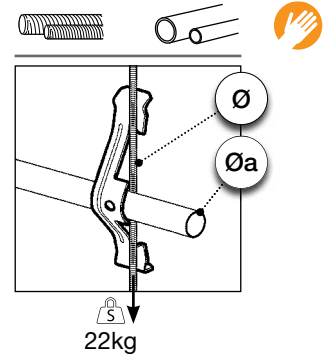
			Ø	M-ZINC
781011 04408	BW2-CT2	M3 - M6	25	
781011 95566	BW6-CT2	M8 - M12	25	



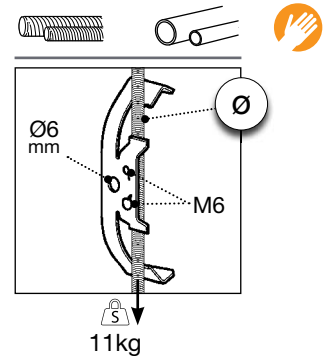
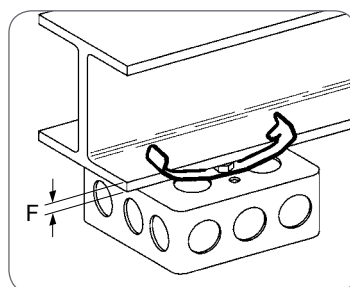
		Ø	Øa mm	S	M-ZINC
781011 04447	BW4	M4 - M6	5 - 12	25	
781011 03751	BW-8	M4 - M6	14 - 19	22kg	25
781011 03752	BW-12	M4 - M6	19 - 23	22kg	25
781011 03752	BW-12	M10	16 - 20	22kg	25

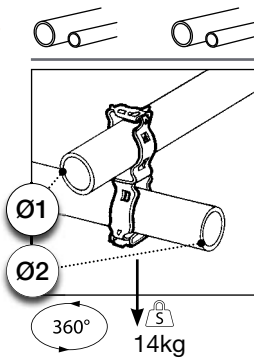
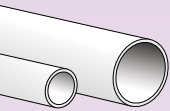


		Ø	Øa mm	M-ZINC
781011 03753	BW-16	M4 - M6	26 - 30	25
781011 03753	BW-16	M10	20 - 25	25
781011 03754	BW-20	M4 - M6	32 - 42	25
781011 03754	BW-20	M10	27 - 38	25



		Ø	F mm	M-ZINC
781011 03749	BW2	M3 - M6	3 - 9,5	25
781011 95571	BW6	M8 - M12	9,5 - 11	25



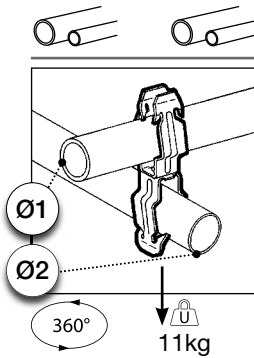


Ø1
mm

Ø2
mm



781011 18615	BG-16-G-6	27 - 35	14 - 18	25
781011 03738	BG-16-G-8-12	27 - 35	18 - 22	25
781011 03737	BG-16-G-16	27 - 35	27 - 35	25
781011 03740	BG-16-G-20	27 - 35	35 - 42	25
781011 03741	BG-16-G-24	27 - 35	42 - 50	25
781011 03742	BG-16-G-32	27 - 35	50 - 63	25

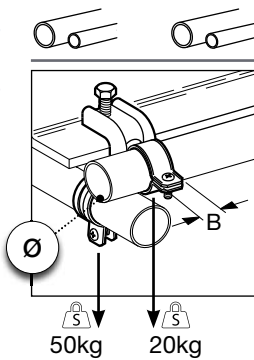


Ø1
mm

Ø2
mm



781011 03743	BP-8-P-8	18 - 22	18 - 22	25
781011 03744	BP-8-P-12	18 - 22	22 - 30	25
781011 03745	BP-8-P-16	18 - 22	30 - 35	25
781011 03746	BP-12-P-12	22 - 30	22 - 30	25
781011 03747	BP-12-P-16	22 - 30	30 - 35	25
781011 03748	BP-16-P-16	30 - 35	30 - 35	25



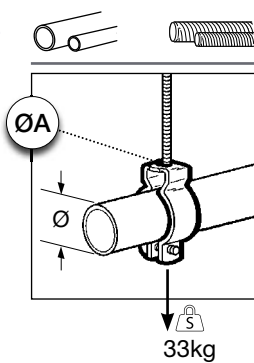
B
mm

Ø
mm



781011 04546	BCC17	14	16 - 20	20
781011 04547	BCC21	14	20 - 25	20
781011 04549	BCC28	18	30 - 35	20
781011 04550	BCC37	21	34 - 36	20
781011 04551	BCC42	22	37 - 43	20
781011 04553	BCC48	21	48 - 53	20
781011 04554	BCC60	21	57 - 63	20

BMC24



Ø
mm

ØA
mm

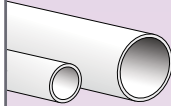


781011 19800	BL1400	20	7	100
781011 19801	BL1410	25	7	100
781011 19802	BL1420	32	7	100
781011 19803	BL1425	32	7	100
781011 19804	BL1430	40	7	100
781011 19805	BL1440	50	8,7	50
781011 19806	BL1450	63	8,7	50
781011 19807	BL1460	73	8,7	25
781011 19808	BL1470	89	8,7	25
781011 19809	BL1480	102	8,7	10
781011 19810	BL1490	114	8,7	10

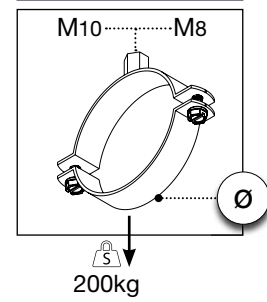




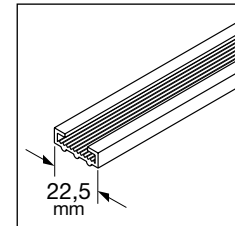
Ø
mm

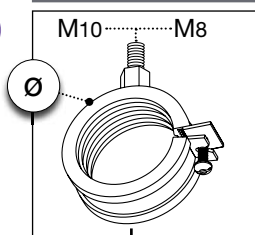
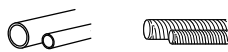
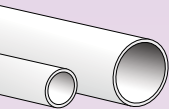


782051 20285	BUC-1519	15 - 19	100
782051 20288	BUC-2025	20 - 25	50
782051 20286	BUC-2630	26 - 30	50
782051 20287	BUC-3236	32 - 36	50
782051 20289	BUC-3843	38 - 43	50
782051 20290	BUC-4751	47 - 51	25
782051 20291	BUC-5358	53 - 58	25
782051 20292	BUC-6064	60 - 64	25
782051 20293	BUC-6772	67 - 72	20
782051 20295	BUC-7580	75 - 80	20
782051 20299	BUC-8186	81 - 86	20
782051 20301	BUC-8792	87 - 92	20
782051 20302	BUC-9095	90 - 95	20
782051 20303	BUC-96101	96 - 101	20
782051 20304	BUC-99105	99 - 105	20
782051 20306	BUC-107112	107 - 112	20
782051 20307	BUC-113118	113 - 118	20
782051 20309	BUC-116121	116 - 121	20
782051 20311	BUC-121127	121 - 127	10
782051 20313	BUC-125130	125 - 130	10
782051 20315	BUC-132137	132 - 137	10
782051 20316	BUC-138142	138 - 142	10
782051 20317	BUC-148152	148 - 152	10
782051 20318	BUC-159166	159 - 166	5
782051 20320	BUC-168175	168 - 175	5
782051 20325	BUC-199212	199 - 212	5
782051 20329	BUC-215226	215 - 226	5
782051 20330	BUC-224235	224 - 235	5



782051 20453	BRS-100	100m
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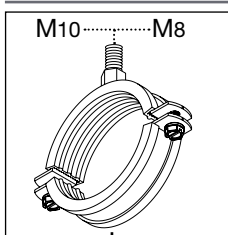
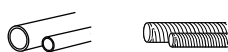
200kg



Ø
mm



782051 20332	BLC-1518	15 - 19	50
782051 20333	BLC-2022	20 - 22	50
782051 20337	BLC-2830	28 - 30	50
782051 20338	BLC-3335	33 - 35	50
782051 20339	BLC-4244	42 - 44	25
782051 20340	BLC-4850	48 - 50	25
782051 20341	BLC-5254	52 - 54	25
782051 20342	BLC-6064	60 - 64	25



200kg



Ø
mm

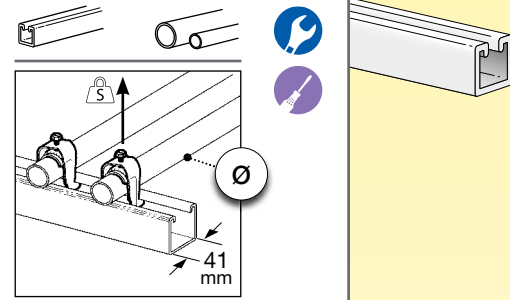


782051 20343	BDC-1519	15 - 19	50
782051 20344	BDC-2025	20 - 25	50
782051 20346	BDC-2630	26 - 30	50
782051 20347	BDC-3236	32 - 36	50
782051 20348	BDC-3843	38 - 43	25
782051 20349	BDC-4751	47 - 51	25
782051 20350	BDC-5358	53 - 58	25
782051 20351	BDC-6064	60 - 64	25
782051 20352	BDC-6772	67 - 72	25
782051 20353	BDC-7580	75 - 80	25
782051 20354	BDC-8186	81 - 86	25
782051 20355	BDC-8792	87 - 92	25
782051 20356	BDC-99105	99 - 105	25
782051 20357	BDC-107112	107 - 112	25
782051 20358	BDC-113118	113 - 118	25
782051 20359	BDC-125130	125 - 130	25
782051 20360	BDC-132137	132 - 137	10
782051 20361	BDC-138142	138 - 142	10
782051 20362	BDC-148152	148 - 152	10
782051 20363	BDC-159166	159 - 166	10
782051 20365	BDC-215225	215 - 225	10

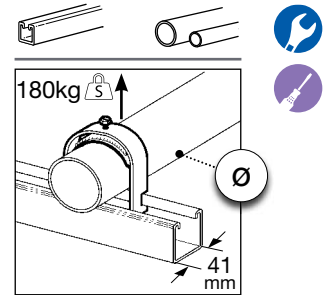




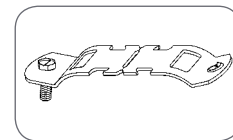
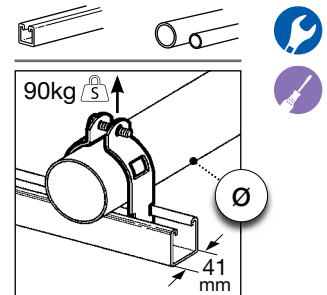
			Ø mm	S	E-ZINC
781011 63164	B1508S	16	90kg	100	
781011 63168	B1512S	20	90kg	100	
781011 63171	B1516S	25	130kg	100	
781011 63177	B1520S	32	130kg	100	
781011 63182	B1524S	40	180kg	50	



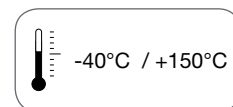
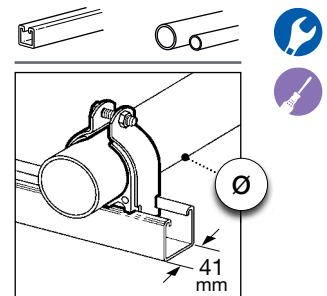
			Ø mm	E-ZINC
781011 63188	B1532S	50	50	
781011 63193	B1534S	63	25	
781011 63199	B1540S	75	25	
781011 63205	B1548S	90	25	
781011 63211	B1556S	100	10	
781011 63215	B1564S	115	10	

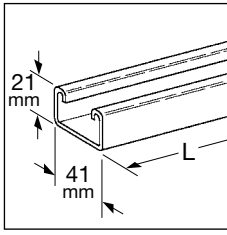
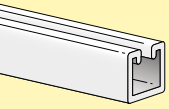


			Ø mm	E-ZINC
781011 01676	BPC-8	20	100	
781011 01677	BPC-12	25	100	
781011 01680	BPC-16	32	100	
781011 01679	BPC-20	40	100	
781011 01678	BPC-24	50	50	
781011 01681	BPC-32	63	50	
781011 03977	BPC-40	73	50	
781011 03978	BPC-48	89	50	
781011 03979	BPC-56	102	50	
781011 03981	BPC-64	114	50	



		Ø mm	Ø inches	E-ZINC
781011 58010	BVT025	6,3	1/4	50
781011 58015	BVT037	9,5	3/8	50
781011 58020	BVT050	12,7	1/2	50
781011 58025	BVT062	15,9	5/8	50
781011 58030	BVT075	19,0	3/4	25
781011 58035	BVT087	22,2	7/8	25
781011 58040	BVT112	28,6	1 1/8	25
781011 04693	BVT125	31,7	1 1/4	25
781011 58045	BVT137	34,9	1 3/8	25
781011 04694	BVT150	38,1	1 1/2	25
781011 58050	BVT162	41,3	1 5/8	20
781011 58055	BVT212	54,0	2 1/8	10
781011 02636	BVT262	66,6	2 5/8	10
781011 02637	BVT312	79,4	3 1/8	10
781011 02639	BVT362	92,1	3 5/8	5
781011 02640	BVT412	104,8	4 1/8	5

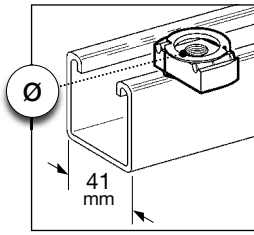




L
mm



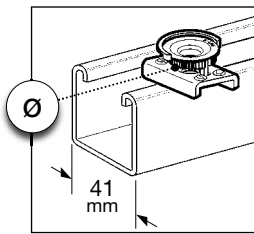
781011 04457	B54AL-6	152	6
781011 83589	B54AL-12	305	6



Ø



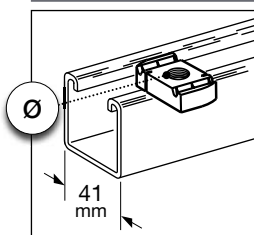
781011 19994	BMT-6	M6	100
781011 19995	BMT-8	M8	100
781011 19996	BMT-10	M10	100
781011 19997	BMT-12	M12	100



Ø



781011 03422	BFN-6	M6	100
781011 03423	BFN-8	M8	100
781011 03424	BFN-10	M10	100



Ø

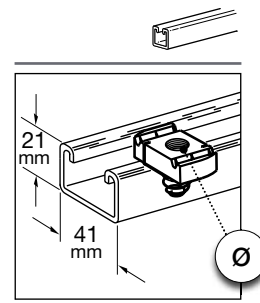


781011 84926	BMS-6	M6	100
781011 92234	BMS-8	M8	100
781011 94483	BMS-10	M10	100
782051 11771	BMS-12	M12	100

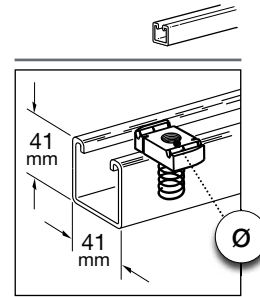




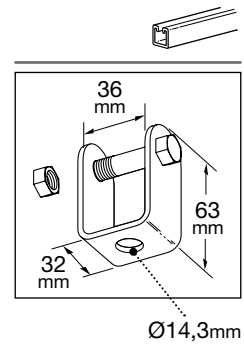
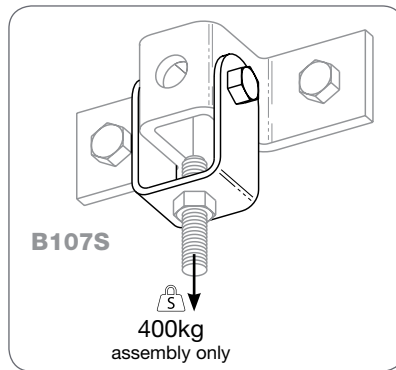
		Ø	
781011 84922	BMS-6S	M6	100
781011 84924	BMS-8S	M8	100
782051 11774	BMS-10S	M10	100
782051 11778	BMS-12S	M12	100



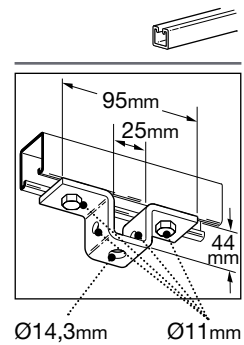
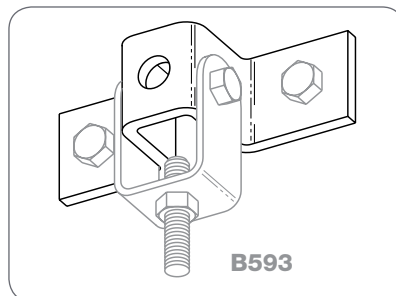
		Ø	
781011 84920	BMS-6M	M6	100
781011 84918	BMS-8M	M8	100
781011 01252	BMS-10M	M10	100
782051 11767	BMS-12M	M12	100

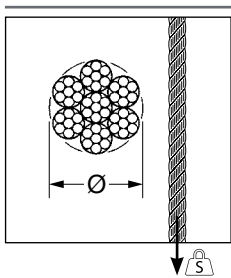
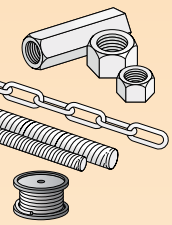


781011 56013	B593	25



781011 50113	B107S	25



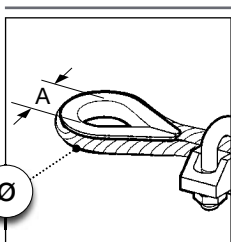


Ø
mm



781011 04429	BWR-2	2	80kg	100m
781011 04431	BWR-3	3	190kg	100m
781011 04432	BWR-4	4	350kg	100m

• Hard Drawn Galvanized

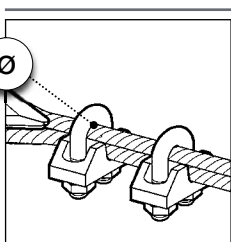


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mm

A
mm



781011 04443	BWRT-2-3	2 - 3	12	25
781011 04444	BWRT-4	4	19	25



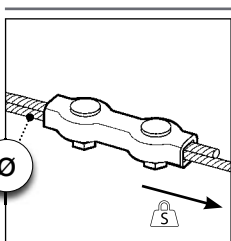
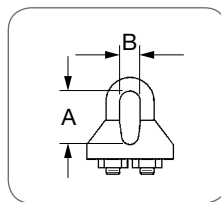
Ø
mm

A
mm

B
mm



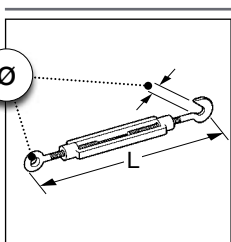
781011 04436	BWRG-2-3	2 - 3	8	5,5	25
781011 04437	BWRG-4	4	12	7	25



Ø
mm



781011 04433	BWR8G	2	80kg	50
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Ø
mm

L
mm

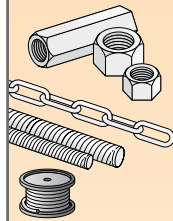
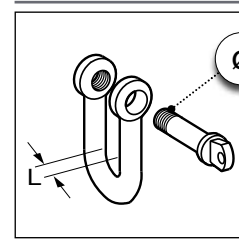


781011 04441	BWRS-6	8,5	160 - 240	10
781011 04440	BWRS-10	9,4	200 - 285	10

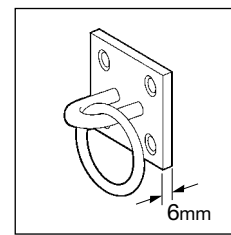
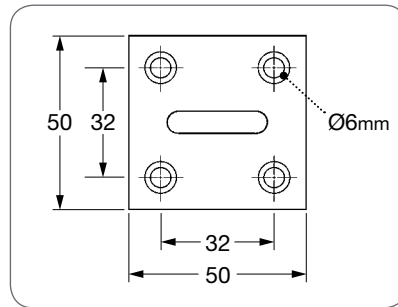




		\emptyset mm	L mm	
781011 95573	BDS-6	6	12	25
781011 95572	BDS-10	10	19	25



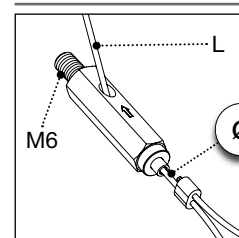
781011 04439	BWRP-50	10



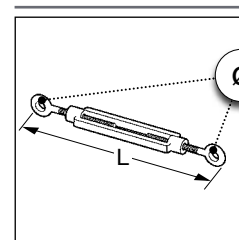
BFX-T

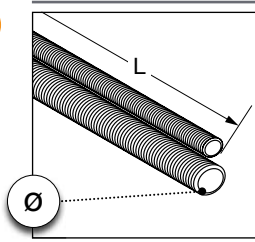
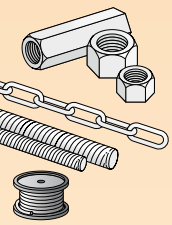


		\emptyset mm	L	
118 06474	BFX-063L15	1,5	1,5m	100
118 06473	BFX-100			100
118 06478	BFX-T			10



		\emptyset mm	L mm	
782051 30690	BWRS-10EE	9,4	200 - 285	10

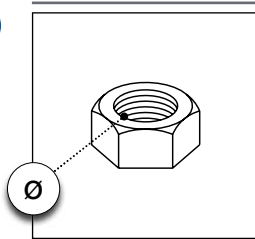




Ø x L



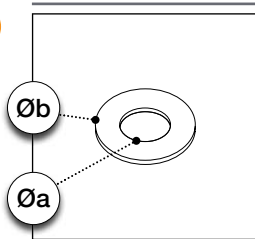
782051 30687	BRT-06-100	M6 x 1m	10
782051 30688	BRT-08-100	M8 x 1m	10
782051 30689	BRT-10-100	M10 x 1m	10



Ø mm



781011 03437	BHN-6	M6	500
781011 03438	BHN-8	M8	500
781011 03439	BHN-10	M10	500

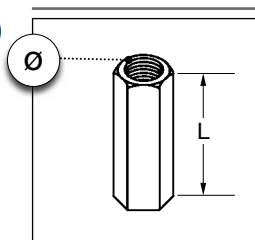


Øa mm

Øb mm



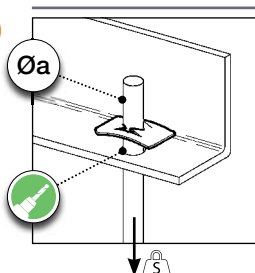
781011 03434	BPW-6	7	25	500
781011 03435	BPW-8	9	25	500
781011 03436	BPW-10	11	25	500



Ø x L



781011 03431	BCN-6	M6 x 18mm	100
781011 03432	BCN-8	M8 x 24mm	100
781011 03433	BCN-10	M10 x 30mm	100



Øa



Ø mm



781011 04104	BMN-4	M4	5	45kg	25
781011 03877	BMN-6	M6	7	45kg	25
781011 03878	BMN-8	M8	9	45kg	25
781011 03879	BMN-10	M10	11	90kg	25

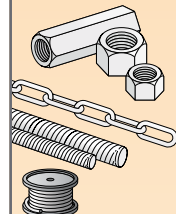
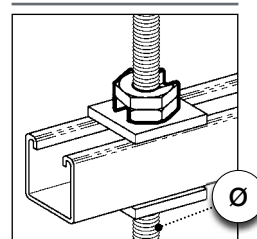




Ø



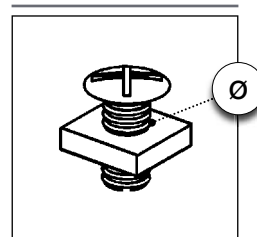
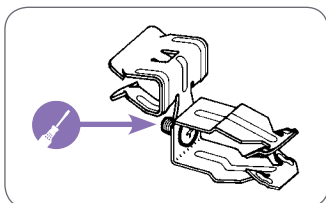
			Ø	E-ZINC
781011 03425	BSLN-6		M6	100
781011 03426	BSLN-8		M8	100
781011 03427	BSLN-10		M10	100
781011 04172	BSLN-12		M12	100
781011 04173	BSLN-16		M16	100



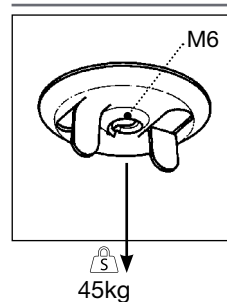
Ø x L



			Ø x L	E-ZINC
781011 03440	BNB-6		M6 x 12mm	100
781011 04456	BNB-6-8		M6 x 8mm	100



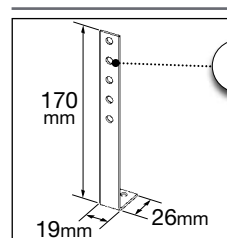
781011 03882	BA-4-WN			25

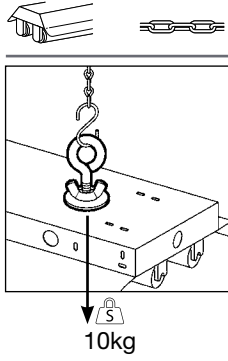
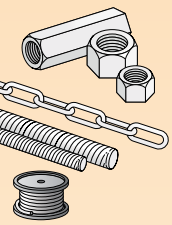


Ø



			Ø	E-ZINC
781011 01449	BA28B		7mm	50



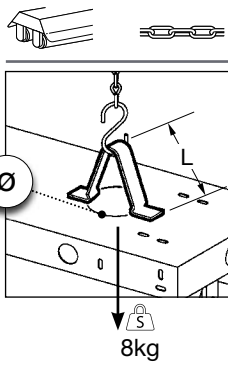
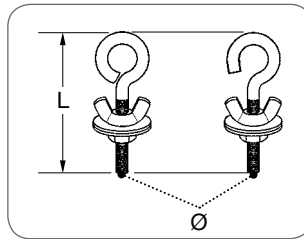


Ø

L
mm



781011 03420	BH18	M6	60	100
781011 03421	BH19	M6	19	100

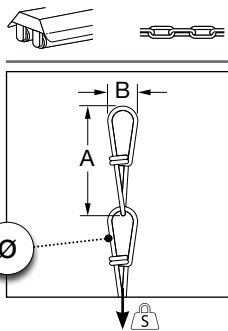


Ø

L
mm



781011 03419	BH17	25mm	34	100
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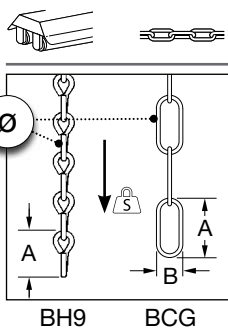
A
mm

B
mm

Ø
mm



781011 04565	BCK22	28	9	2,0	35kg	30m
781011 04526	BCK27	35	11	2,5	65kg	30m
781011 04527	BCK32	41	14	3,1	95kg	25m



A
mm

B
mm

Ø
mm

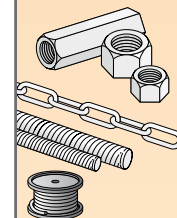
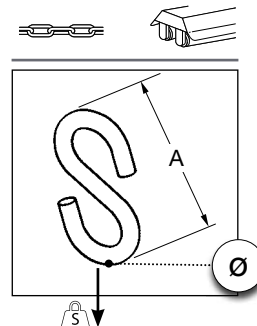


781011 18850	BH9	24		2,8	13kg	30m
781011 04522	BCG27	24	10	2,5	55kg	30m
781011 04523	BCG32	26	12	3,0	115kg	30m

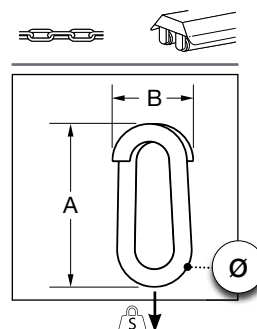




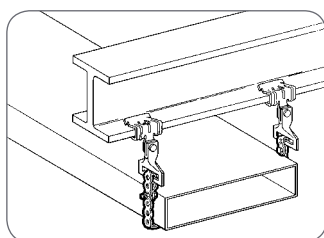
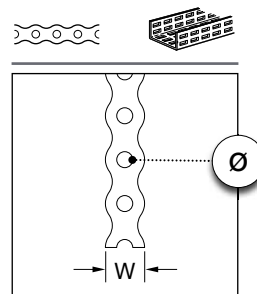
		A mm	Ø mm	S	P-ZINC
781011 18855	BH10	32	3,0	13kg	100
781011 04529	BCS40	30	3,5	25kg	50
781011 04566	BCS50	45	5,0	40kg	50



		A mm	B mm	Ø mm	S	P-ZINC
781011 04531	BCL30	16,5	6,5	3,0	35kg	50
781011 04533	BCL40	20,0	8,0	4,0	55kg	50
781011 04534	BCL50	23,0	9,5	5,0	95kg	50



		W mm	Ø mm	
781011 01752	BS-12	12	5	P-ZINC 10m
781011 01753	BS-17	17	7	P-ZINC 10m
781011 01754	BS-26	26	8	P-ZINC 10m
781011 01755	BS-12-B	12	5	PVC-BLACK 10m
781011 01756	BS-17-B	17	7	PVC-BLACK 10m
781011 01757	BS-26-B	26	8	PVC-BLACK 10m
781011 01758	BS-12-O	12	5	PVC-ORANGE 10m
781011 01759	BS-17-O	17	7	PVC-ORANGE 10m
781011 01760	BS-26-O	26	8	PVC-ORANGE 10m
781011 01761	BS-12-R	12	5	PVC-RED 10m
781011 01762	BS-17-R	17	7	PVC-RED 10m
781011 01763	BS-26-R	26	8	PVC-RED 10m



B	
B107S	28
B1508S	26
B1512S	26
B1516S	26
B1520S	26
B1524S	26
B1532S	26
B1534S	26
B1540S	26
B1548S	26
B1556S	26
B1564S	26
B444-M10	8
B444-M6	8
B444-M8	8
B54AL-6	27
B54AL-12	27
B593	28

BA	
BA-2-16	19
BA-4-16-H	19
BA-4-16-H-1	19
BA-4-16-H-MZ	19
BA-4-WN	20, 32
BA28B	32
BA5-4T	20
BA6-4T	20

BC	
BC08	8
BC1	7
BC10	8
BC12	8
BCC17	23
BCC21	23
BCC28	23
BCC37	23
BCC42	23
BCC48	23
BCC60	23
BCG27	33
BCG32	33
BCK22	33
BCK27	33
BCK32	33
BCL30	34
BCL40	34
BCL50	34
BCN-10	31
BCN-6	31
BCN-8	31

BCS40	34
BCS50	34

BD	
BDC-107112	25
BDC-113118	25
BDC-125130	25
BDC-132137	25
BDC-138142	25
BDC-148152	25
BDC-1519	25
BDC-159166	25
BDC-2025	25
BDC-215225	25
BDC-2630	25
BDC-3236	25
BDC-3843	25
BDC-4751	25
BDC-5358	25
BDC-6064	25
BDC-6772	25
BDC-7580	25
BDC-8186	25
BDC-8792	25
BDC-99105	25
BDS-10	30
BDS-6	30

BE	
BE-1-2	3
BE-1-2-CT	5
BE-1-2-CT2	5
BE-1-2-F62	7
BE-2-4	3
BE-2-4-CT	5
BE-2-4-CT2	5
BE-2-4-CT2-R	6
BE-2-4-F62	7
BE-5-8	3
BE-5-8-CT	5
BE-5-8-CT2	5
BE-5-8-CT2-R	6
BE-5-8-F62	7
BE-9-12	3
BE-9-12-CT	5
BE-9-12-CT2	5
BE-9-12-CT2-R	6
BE-9-12-F62	7

BF	
BF1	10
BF1-CT	13
BF1-CT2	14

BF12	10
BF13	11
BF14	10
BF14-CT	14
BF14-CT-R	14
BF14-CT2	14
BF2	10
BF2-CT	13
BF2-CT2	14
BF3	10
BF4	10
BFA-1215	6
BFA-1520	6
BFN-10	27
BFN-6	27
BFN-8	27
BFX-063L15	30
BFX-100	30
BFX-T	30

BG	
BG-16	21
BG-16-4T	21
BG-16-C1	9
BG-16-C2	9
BG-16-E-1-2	5
BG-16-E-2-4	5
BG-16-E-5-8	5
BG-16-E-9-12	5
BG-16-G-16	23
BG-16-G-20	23
BG-16-G-24	23
BG-16-G-32	23
BG-16-G-6	23
BG-16-G-8-12	23
BG-16-U-2-4	4
BG-16-U-5-8	4
BG-16-U-9-12	4
BG-16-W6	22
BG-20	21
BG-20-4T	21
BG-20-C1	9
BG-20-C2	9
BG-20-E-1-2	5
BG-20-E-2-4	5
BG-20-E-5-8	5
BG-20-E-9-12	5
BG-20-U-2-4	4
BG-20-U-5-8	4
BG-20-U-9-12	4
BG-24	21
BG-24-4T	21
BG-24-C1	9

BG-24-C2	9
BG-24-E-1-2	5
BG-24-E-2-4	5
BG-24-E-5-8	5
BG-24-E-9-12	5
BG-24-U-2-4	4
BG-24-U-5-8	4
BG-24-U-9-12	4
BG-32	21
BG-32-4T	21
BG-32-C1	9
BG-32-C2	9
BG-32-E-1-2	5
BG-32-E-2-4	5
BG-32-E-5-8	5
BG-32-E-9-12	5
BG-32-U-2-4	4
BG-32-U-5-8	4
BG-32-U-9-12	4
BG-6	21
BG-6-4T	21
BG-6-E-1-2	5
BG-6-E-2-4	5
BG-6-E-5-8	5
BG-6-E-9-12	5
BG-6-U-2-4	4
BG-6-U-5-8	4
BG-6-U-9-12	4
BG-6-W2	22
BG-6-W6	22
BG-8-12	21
BG-8-12-4T	21
BG-8-12-C1	9
BG-8-12-C2	9
BG-8-12-E-1-2	5
BG-8-12-E-2-4	5
BG-8-12-E-5-8	5
BG-8-12-E-9-12	5
BG-8-12-U-2-4	4
BG-8-12-U-5-8	4
BG-8-12-U-9-12	4
BG-8-12-W2	22
BG-8-12-W6	22

BH	
BH1	15
BH1-F1	11
BH1-F12	12
BH1-F14	13
BH1-F2	11
BH1-H7	17
BH1-H8	16
BH10	34

BH13	15
BH13-E-1-2	3
BH13-E-2-4	3
BH13-E-5-8	3
BH13-E-9-12	3
BH13-F1	12
BH13-F12	12
BH13-F14	13
BH13-F14-R	13
BH13-F2	12
BH13-H7	17
BH13-H8	16
BH14	15
BH14-E-1-2	3
BH14-E-2-4	3
BH14-E-5-8	3
BH14-E-9-12	3
BH14-F1	11
BH14-F12	12
BH14-F14	13
BH14-F2	11
BH14-H7	17
BH14-H8	16
BH17	33
BH18	33
BH19	33
BH2	15
BH2-E-1-2	3
BH2-E-2-4	3
BH2-E-5-8	3
BH2-F1	11
BH2-F12	12
BH2-F14	13
BH2-F2	11
BH2-H7	17
BH2-H8	16
BH21	11
BH4	15
BH4-E-1-2	3
BH4-E-2-4	3
BH4-E-5-8	3
BH4-E-9-12	3
BH4-F1	11
BH4-F12	12
BH4-F14	13
BH4-F14-R	13
BH4-F2	11
BH4-H7	17
BH4-H8	16
BH5	15
BH5-E-1-2	3
BH5-E-2-4	3
BH5-E-5-8	3

BH5-E-9-12	3
BH5-F1	12
BH5-F12	12
BH5-F14	13
BH5-F14-R	13
BH5-F2	12
BH5-F4	12
BH5-H7	17
BH5-H8	16
BH7	15
BH7-6	15
BH8	15
BH8-6	15
BH9	33
BHN-10	31
BHN-6	31
BHN-8	31

BL

BL1400	23
BL1410	23
BL1420	23
BL1425	23
BL1430	23
BL1440	23
BL1450	23
BL1460	23
BL1470	23
BL1480	23
BL1490	23
BLC-1518	25
BLC-2022	25
BLC-2830	25
BLC-3335	25
BLC-4244	25
BLC-4850	25
BLC-5254	25
BLC-6064	25

BM

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A series of 30 horizontal lines for writing.



This image shows a series of horizontal lines spaced evenly down the page, intended for writing or drawing. The lines are thin and black, set against a white background. There are approximately 30 lines in total, starting from the top margin and ending near the bottom margin.

Technical Information

B-Line fasteners are designed for fast and economical installation of conduit, cable, threaded rod and light fittings etc. onto steel work in industrial and commercial buildings. Installation of B-Line Fasteners requires no special tools. Most fasteners are installed with a hammer, screwdriver and pliers.

Material

B-Line fasteners are manufactured from spheroidized annealed high carbon cold rolled steel (ASTM A684, AISI 1055). Mild steel fasteners are manufactured from electrolytic zinc coated steel (ASTM A591) or pre-galvanized steel (ASTM A526). Malleable iron beam clamps conform to (ASTM A47). Select fasteners are made from stainless steel which conforms to AISI Type 302 or 304 materials.

Finishes

The surface coatings are an important part of B-Line Fasteners and provide protection against corrosion. Standard finishes are indicated on each catalogue page and consist of one of the following:

H-ZINC = Hot dip galvanized zinc coating generally with 50-70 micron of zinc. Designed for use indoors and outdoors in mildly corrosive environments.

M-ZINC = Mechanical zinc coating with 20 micron of zinc and a chromatic sealer. Corrosion resistance is 500 hours in a saline spray test according to ASTM B117-90 and DIN 50021.

E-ZINC = Electro-galvanized zinc coating with 8-15 micron of zinc. Corrosion resistance is 90 hours in a saline spray test according to ASTM B117-90 and DIN 50021.

P-ZINC = Pre laminated sheet steel with 15 micron of zinc. Corrosion resistance is 90 hours in a saline spray test according to ASTM B117-90 and DIN 50021.

C-ZINC = Chromium/zinc inorganic coating with a thickness of 7-13 microns. Corrosion resistance is 400 hours in a saline spray test according to ASTM B117-90 and DIN 50021.

Load data

The design load ratings for B-Line Fasteners are specified in this catalogue as static load capacity or ultimate static load capacity.



Static capacity limit in kg with a safety factor of 3



Ultimate static load capacity in kg with no safety factor

Conversion Example (for load tables)

1 kg = 10 N = 2.2046 Lbs

In either case these stated loads are not to be exceeded, and loads should be applied only as depicted in the catalogue and installation sheets. The load capacity of a fastener having more than one component is equal to the load capacity of the lowest rated component.

Fasteners having no load ratings are designed for proper placement only and not for supporting loads.

Applications

B-Line Fasteners are designed for use with angle beams, bar joists, beams, columns, flanged purlins, wire, rods, etc. as illustrated in this catalogue and installation sheets. B-Line is not liable for improper installation.

Although corrosion resistant, B-Line Fasteners are designed for use indoors and in non-corrosive environments.

NOTICE

B-Line reserves the right to change the specifications, materials, equipment, prices or the availability of products at any time without prior notice. While every effort has been made to assure the accuracy of information contained in this catalogue at the time of publication, B-Line is not responsible for inaccuracies resulting from undetected errors or omissions.

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