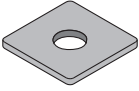
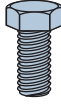
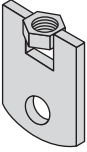
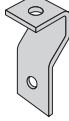
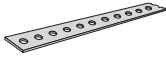
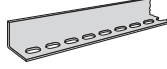
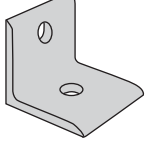
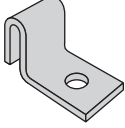
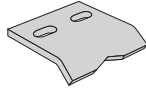
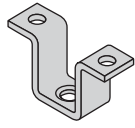
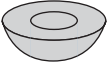
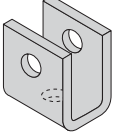
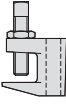
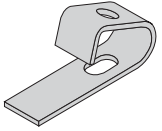
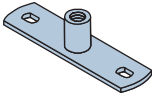
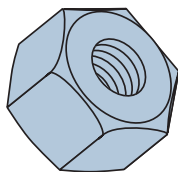


Fixpoints						
 HN – Hexagon Nuts [ZP/HG] pg. 150	 FW – Flat Washers [ZP/HG] pg. 150	 RC – Rod Couplers [ZP/HG] pg. 150	 UN40 – Square Washer [HG] pg. 150	 UNIROD – Threaded Rod [ZP/HG] pg. 150	 HHS – Hex Head Set Screws [ZP/HG] pg. 150	 UN35 – Eye Nuts [HG] pg. 151
 UN42 – Turnbuckles [HG] pg. 151	 UNCL – Clevis Hanger [HG] pg. 151	 UNPL – Link Plate [HG] pg. 151	 UHS – Hanger Strap [GB/ZP] pg. 152	 F15000 – Punched Angle [HG] pg. 152	 F11000 – "U" Bracket [HG] pg. 152	 F12000 – Angle Bracket [HG] pg. 152
 F13000 – Purlin Clamp [HG] pg. 152	 F40000 – Pipe Beam Clamp [HG] pg. 153	 UN38 – Swivel Cage [HG] pg. 153	 UN37 – Spherical Washer for UN38 [MI] pg. 153	 UN39 – Weld On Bracket [PL] pg. 153	 FL – Beam Clamp [ZP] pg. 154	 Z10 - Z Purlin Clamp [GB] pg. 154
 4029706 – Purlin Bolt Side Hanger pg. 155	 RH1200 – Rod Hanger Mounting Plate pg. 155					

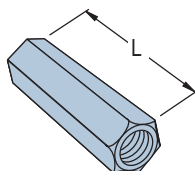
FASTENERS AND CONNECTORS

HN – Hexagon Nuts [ZP/HG]



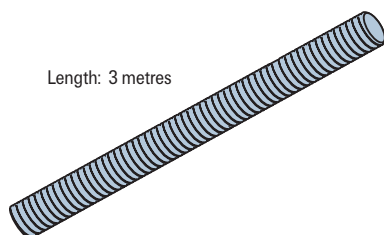
Part No ZP	Part No. HG	Dia.	 /100	
HN06	HN06H	M6	0.15	100
HN08	HN08H	M8	0.46	100
HN10	HN10H	M10	0.75	100
HN12	HN12H	M12	1.77	100
HN16	HN16H	M16	3.30	100
HN20	HN20H	M20	5.60	100

RC – Rod Couplers [ZP/HG]



Part No ZP	Part No. HG	Dia.	L	 /100	
RC06		M6	20	1.80	100
RC08	RC08H	M8	20	2.30	100
RC10	RC10H	M10	30	4.00	100
RC12	RC12H	M12	40	7.80	100
RC16	RC16H	M16	50	12.20	100
RC20	RC20H	M20	50	18.90	100

UNIROD – Threaded Rod [ZP/HG]

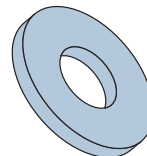


Part No ZP	Part No. HG	Size	Max. Recommended Tensile Load		 /100
UR06		M6	3.47	(354kg)	0.20
UR08	UR08H	M8	6.32	(644kg)	0.35
UR10	UR10H	M10	10.02	(1021kg)	0.50
UR12	UR12H	M12	14.56	(1484kg)	0.80
UR16	UR16H	M16	24.30	(2477kg)	1.30
UR20	UR20H	M20	37.92	(3866kg)	2.10

Unirod Load Data

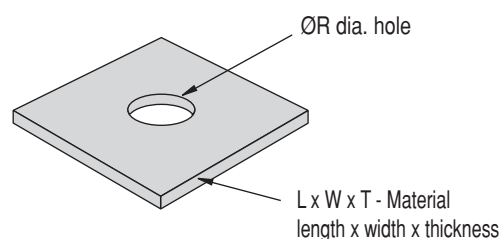
Maximum recommended tensile load is based on a factor of safety of 2.5 using the appropriate stress area of the thread and ultimate tensile strength of 430 MPa.

FW – Flat Washers [ZP/HG]



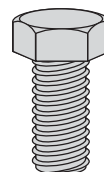
Part No ZP	Part No. HG	Dia.	 /100	
FW06	FW06H	M6	0.06	100
FW08	FW08H	M8	0.10	100
FW10	FW10H	M10	0.29	100
FW12	FW12H	M12	0.43	100
FW16	FW16H	M16	0.73	100
FW20	FW20H	M20	0.90	100

UN40 – Square Washer [HG]



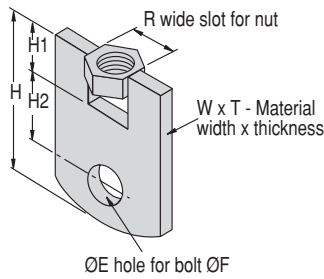
Part No.	ØR	Dimensions L x W x T	 /100	
UN40-12	14	75 x 75 x 6	26.0	100
UN40-16	18	75 x 75 x 6	25.0	100
UN40-20	22	75 x 75 x 10	41.0	100

HHS – Hex Head Set Screws [ZP/HG]



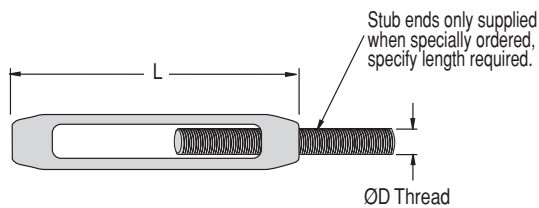
Part No ZP	Part No. HG	Size	 /100	
HHS0820	HHS0820H	M8x20	1.2	100
HHS0830	HHS0830H	M8x30	1.5	100
HHS1020	HHS1020H	M10x20	1.9	100
HHS1030	HHS1030H	M10x30	2.5	100
HHS1224	HHS1224H	M12x24	4.2	100
HHS1230	HHS1230H	M12x30	4.5	100
HHS1240	HHS1240H	M12x40	5.1	100
HHS1640	HHS1640H	M16x40	9.5	100

UN35 – Eye Nuts [HG]



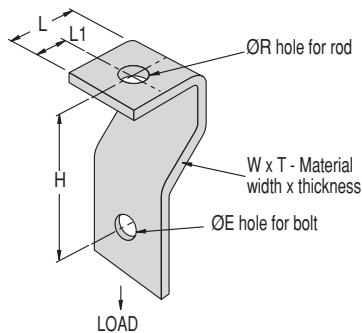
Part No	H	H1	H2	ØE	ØF	R	W x T	Working Load	kg
UN35-12-M10	70	20	30	14	12	18	40 x 6	3.60 kN	0.13
UN35-16-M12	80	25	30	18	16	20	75 x 10	5.80 kN	0.47
UN35-20-M16	90	30	35	22	20	25	90 x 12	9.72 kN	0.76
UN35-24-M20	90	30	35	26	24	31	90 x 12	14.48 kN	0.76
UN35-30-M24	120	35	50	32	30	37	100 x 20	21.84 kN	1.88
UN35-36-M30	140	40	60	38	36	47	130 x 20	32.56 kN	2.86

UN42 – Turnbuckles [HG]



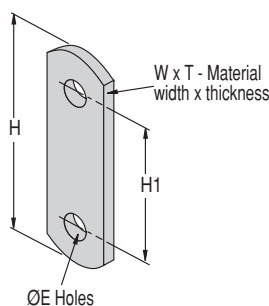
Part No	L	ØD	Working Load	Mass kg
UN42-10	160	M10	2.45 kN	0.2
UN42-12	200	M12	4.41 kN	0.3
UN42-16	200	M16	7.45 kN	0.5
UN42-20	215	M20	10.78 kN	0.7

UNCL – Clevis Hanger [HG]



Part No	L	L1	H	ØE	ØR	WxT	Working Load	kg
UNCL-10	35	15	70	10	12	25 x 5	1.33 kN	0.08
UNCL-12	45	20	75	14	14	40 x 6	2.65 kN	0.20
UNCL-16	48	20	100	14	18	50 x 6	4.41 kN	0.32
UNCL-20	62	32	112	22	22	75 x 10	5.30 kN	1.08

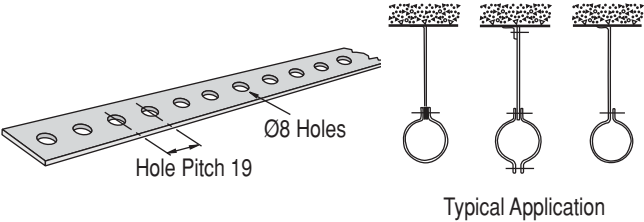
UNPL – Link Plate [HG]



Part No	H	H1	ØE	WxT	kg
UNLP08	64	36	10	25 x 3	0.03
UNLP10	64	36	12	25 x 5	0.05
UNLP12	120	80	14	40 x 6	0.23
UNLP16	120	80	18	50 x 6	0.28
UNLP20	190	126	22	75 x 10	1.11

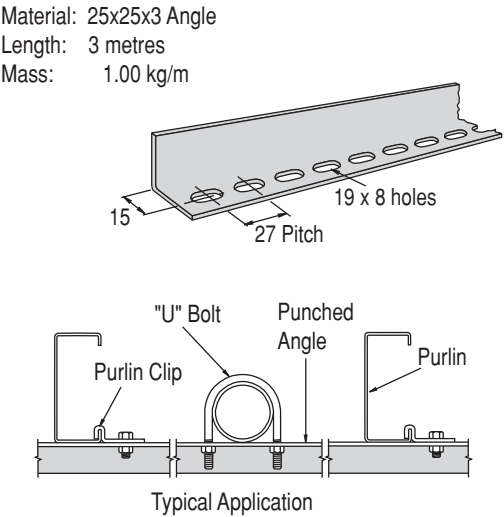
HANGER FITTINGS AND PUNCHED ANGLE

UHS – Hanger Strap [GB/ZP]



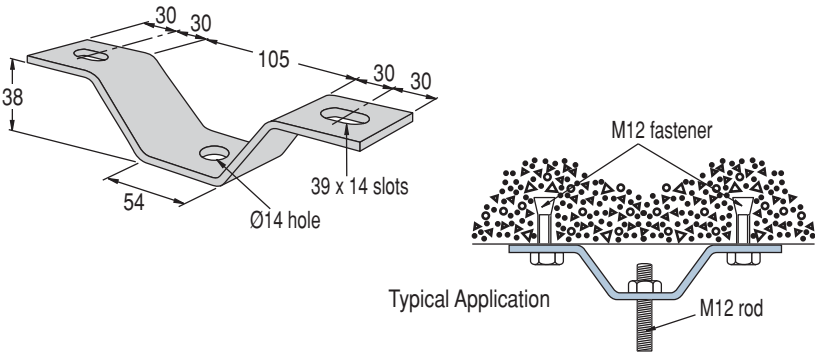
Part No	Finish	W x T	ØR	Length	Bundle	 /3m
UHS-25	ZP	25 x 3.0	8	3 metres	10	1.40
UHS-32	GB	32 x 1.6	8	3 metres	10	1.05

F15000 – Punched Angle [HG]



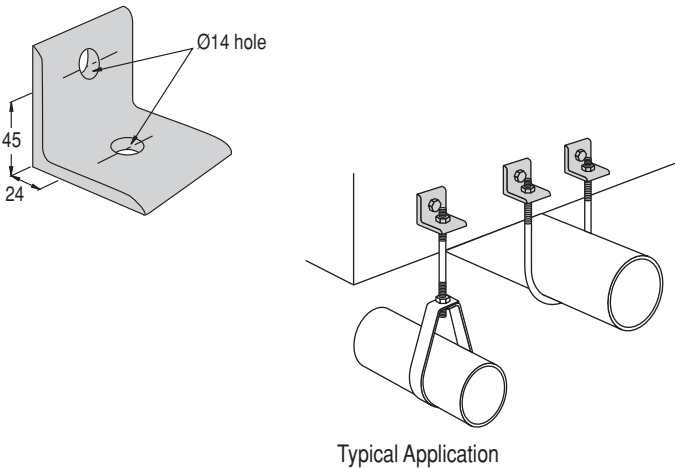
Distance Between Supports	Uniformly Distributed Loading		Mid-Span Point Load	
	Max. Permissible Loading kN	Deflection mm	Max. Permissible Loading kN	Deflection mm
500mm	0.93	1.1	0.46	0.9
1000mm	0.46	4.5	0.23	3.5
1500mm	0.30	9.7	0.15	7.7
2000mm	0.23	17.6	0.11	13.5

F11000 – "U" Bracket [HG]



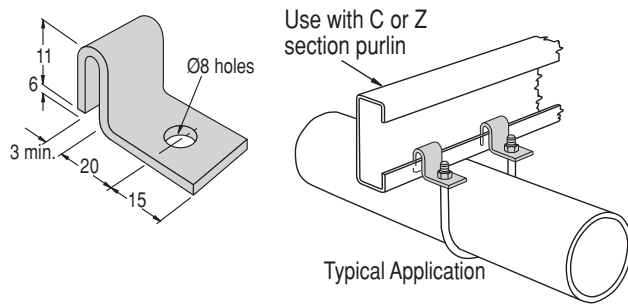
Part No	Material		
F11000	32 x 6	0.30	25

F12000 – Angle Bracket [HG]



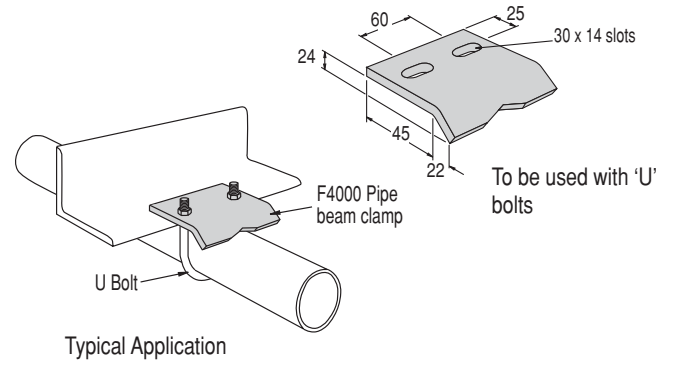
Part No	Material		
F12000	65 x 65 x 6 x 60	0.30	25

F13000 – Purlin Clamp [HG]



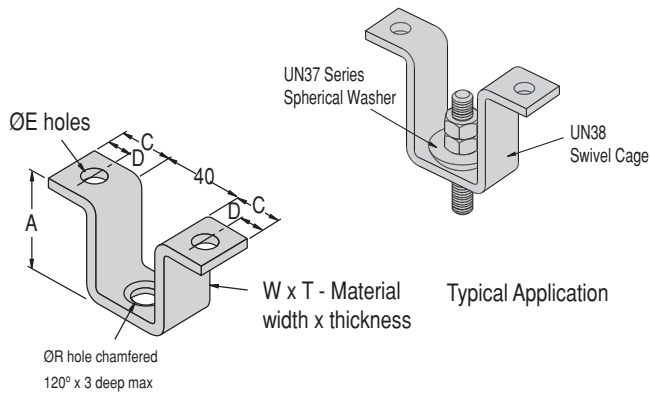
Part No	Material	Kg	
F13000	20 x 3	0.03	100

F40000 – Pipe Beam Clamp [HG]



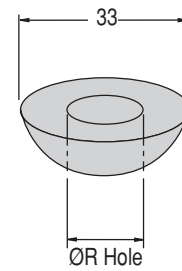
Part No	Material	Kg	
F40000	110 x 5	0.29	25

UN38 – Swivel Cage [HG]



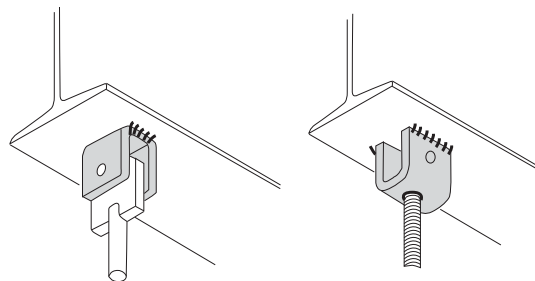
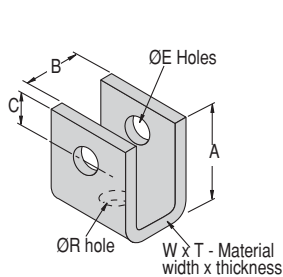
Part No	A	C	D	ØE	ØR	W x T	Kg	
UN38-06	65	31	12	10	08	25x5	0.20	25
UN38-10	65	31	12	10	12	25x5	0.20	25
UN38-12	65	47	20	14	14	40x6	0.35	20
UN38-16	100	47	20	14	18	50x6	0.52	10

UN37 – Spherical Washer for UN38 [MI]



Part No	ØR	Kg	
UN37-06	08	0.10	100
UN37-10	12	0.09	100
UN37-12	14	0.09	100
UN37-16	18	0.07	50

UN39 – Weld On Bracket [PL]

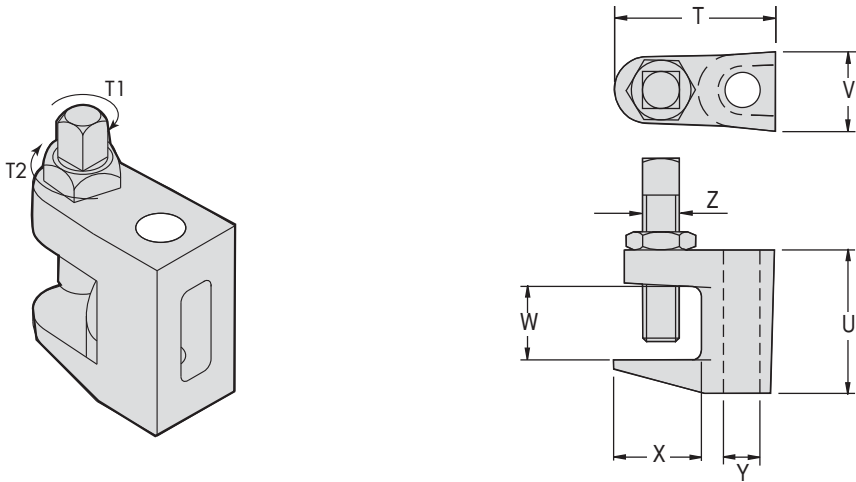


Typical Applications

Part No	A	B	C	ØE	ØR	W x T	Working Load	Kg	
UN39-10	75	32	22	14	12	75x10	1.04kN	1.15	10
UN39-12	75	32	22	18	14	75x10	1.76kN	1.14	10
UN39-16	75	40	25	22	18	75x10	2.56kN	1.16	10
UN39-20	90	40	28	26	22	75x10	4.32kN	1.30	10

BEAM CLAMPS

FL – Beam Clamp [ZP]

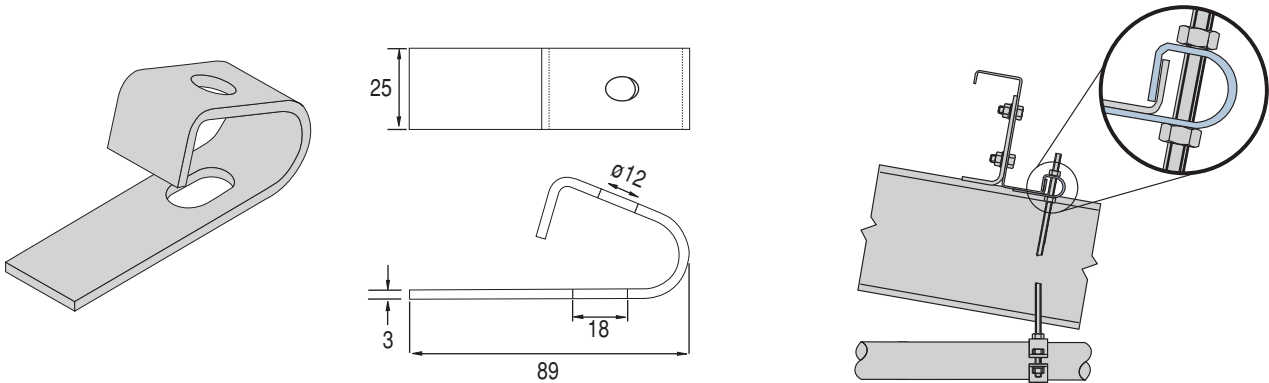


Part No.	FMax Kn	T1 Nm	T2 Nm	T mm	U mm	V mm	W mm	X mm	Y mm	Z mm		Approval
FL210D	2.4	8	22	45	40	22	19	22	11	10	50	VdS/FM
FL312D	3.1	8	22	50	46	25	23	28	13	10	50	VdS/FM
FL412D	3.1	8	22	50	46	25	23	28	13	10	50	VdS/FM

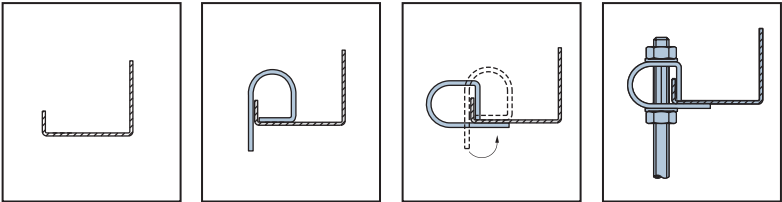
The simplest, quickest and most cost-effective method of suspending building services from steel beams and suitable for use with parallel or tapered flange beams, the FL can be supplied with the back hole drilled to accept threaded rod. The FL uses a grade 8.8 cup point setscrew to provide a maximum bite into steelwork and maximum load performance.

Z10 - Z Purlin Clamp [GB]

Fixpoints



Part No.	/100	
Z10	0.085	100

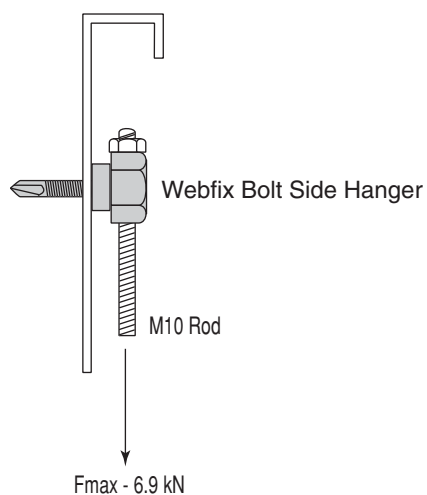


4029706 – Webfix Bolt Side Hanger



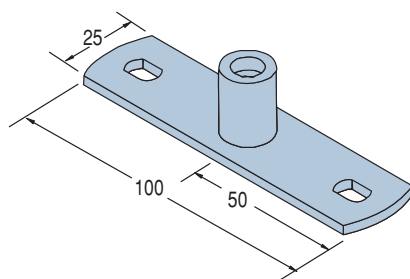
The one piece side hanging Webfix Bolt Side Hanger is attached through the side (web) of the purlin and ensures that the hanging tension load is transferred through the web and not onto the purlin lip.

The 10mm internal thread easily accommodates the matching diameter threaded rod and can be used to support cable tray.

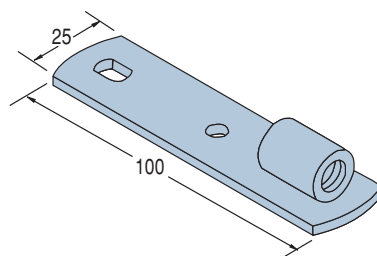


Size: 1/4"-20 X 25 With Nuts

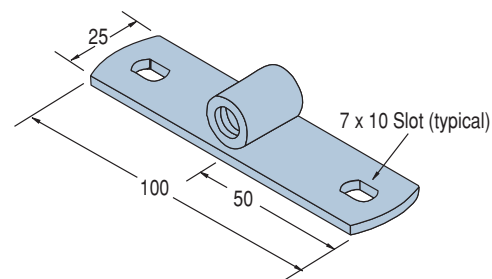
RH1200 – Rod Hanger Mounting Plate



RH1200A
Central Mounting Plate



RH1200B
Vertical Mounting Plate



RH1200C
Horizontal Mounting Plate

Fixpoints

Part No.	Designation
RH1200A-M10	M10 Rod Hanger Central Mounting Plate
RH1200B-M10	M10 Rod Hanger Vertical Mounting Plate
RH1200B-M12	M10 Rod Hanger Vertical Mounting Plate
RH1200C-M10	M10 Rod Hanger Horizontal Mounting Plate