

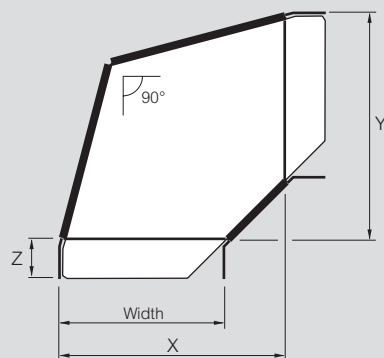
Swifts® MRF medium duty fittings

flat bends – 90°, 60°, 45° and 30°

25

■ 90° flat bends – dimensions and weights

Cat. No. MRFB W F



Cat. Nos.	Width	X	Y	Z	Weight (kg)
MRFB 50 F	50	172	172	55	0.3
MRFB 75 F	75	197	197	55	0.4
MRFB 100 F	100	221	221	55	0.6
MRFB 150 F	150	272	272	55	0.8
MRFB 225 F	225	345	345	55	1.3
MRFB 300 F	300	420	420	55	1.8
MRFB 450 F	450	570	570	55	4.2
MRFB 600 F	600	720	720	55	5.8
MRFB 750 F	750	870	870	55	11.7
MRFB 900 F	900	1020	1020	55	15.8

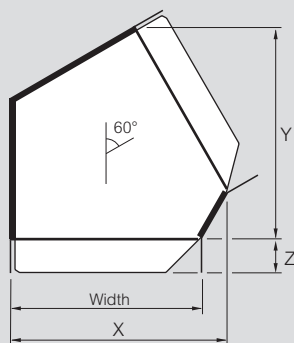
Also consider the versatile adjustable bend for widths 50 mm - 300 mm, p. 54-55

Note

50 mm wide not available in D finish

■ 60° flat bends – dimensions and weights

Cat. No. MRFB W 60 F



Cat. Nos.	Width	X	Y	Z	Weight (kg)
MRFB 50 60 F	50	108	148	55	0.3
MRFB 75 60 F	75	133	169	55	0.5
MRFB 100 60 F	100	158	191	55	0.6
MRFB 150 60 F	150	208	234	55	0.8
MRFB 225 60 F	225	283	299	55	1.3
MRFB 300 60 F	300	358	364	55	1.4
MRFB 450 60 F	450	509	494	55	3.0
MRFB 600 60 F	600	659	624	55	4.6
MRFB 750 60 F	750	809	754	55	6.6
MRFB 900 60 F	900	959	884	55	9.1

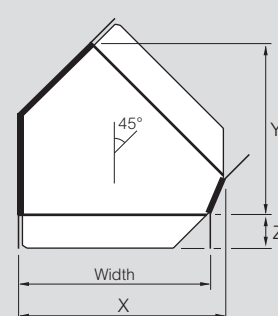
Also consider the versatile adjustable bend for widths 50 mm - 300 mm, p. 54-55

Note

50 mm wide not available in D finish

■ 45° flat bends – dimensions and weights

Cat. No. MRFB W 45 F



Cat. Nos.	Width	X	Y	Z	Weight (kg)
MRFB 50 45 F	50	83	120	55	0.2
MRFB 75 45 F	75	108	138	55	0.4
MRFB 100 45 F	100	133	156	55	0.5
MRFB 150 45 F	150	183	191	55	0.8
MRFB 225 45 F	225	258	244	55	1.2
MRFB 300 45 F	300	333	297	55	1.1
MRFB 450 45 F	450	483	403	55	2.3
MRFB 600 45 F	600	633	509	55	3.5
MRFB 750 45 F	750	783	615	55	5.1
MRFB 900 45 F	900	933	721	55	6.8

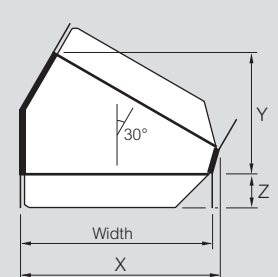
Also consider the versatile adjustable bend for widths 50 mm - 300 mm, p. 54-55

Note

50 mm wide not available in D finish

■ 30° flat bends – dimensions and weights

Cat. No. MRFB W 30 F



Cat. Nos.	Width	X	Y	Z	Weight (kg)
MRFB 50 30 F	50	63	85	55	0.2
MRFB 75 30 F	75	88	98	55	0.2
MRFB 100 30 F	100	113	110	55	0.3
MRFB 150 30 F	150	163	135	55	0.5
MRFB 225 30 F	225	238	173	55	0.8
MRFB 300 30 F	300	313	210	55	1.1
MRFB 450 30 F	450	463	285	55	1.6
MRFB 600 30 F	600	613	360	55	2.5
MRFB 750 30 F	750	763	435	55	3.6
MRFB 900 30 F	900	913	510	55	4.8

Also consider the versatile adjustable bend for widths 50 mm - 300 mm, p. 54-55

Note

50 mm wide not available in D finish

Key : Replace the letter shown in red with your choice from the following options :

F = Finish : G (hot dip galvanised after manufacture),
D (deep galvanised), PG (pre-galvanised steel),
S (stainless steel), E (powder coated black RAL 9005)

→ MRF adjustable bends : see p. 54-55

Swifts® MRF medium duty fittings

flat bends – 90°, 60°, 45° and 30° (continued)



■ Dimensions and weights – flat bends 90°, 60°, 45° and 30°

Dimensions

X = Length of fitting from each end (excluding integral coupler)

Y = Length of fitting from each end (excluding integral coupler)

Z = End extension of integral coupler

Weights

All weights given are in kilograms (kg) and are for hot dip galvanised G finish

To obtain the appropriate component weight in other finishes, multiply the given weight by the following factors :

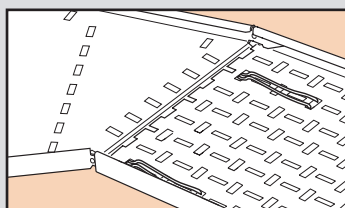
Deep galvanised (D) x 1.06

Stainless steel (S) x 0.94

Pre-galvanised (PG) x 0.96

Powder coated (E) x 0.97

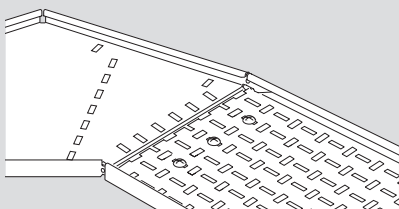
■ Assembly using Swiftclip – flat bends 90°, 60°, 45° and 30°



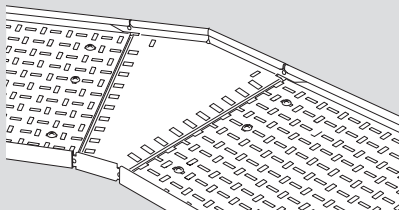
For fast fit connections of fittings and lengths (up to 300 mm wide) use Swiftclip, see p. 50

■ Assembly using fasteners – flat bends 90°, 60°, 45° and 30°

Coupling detail – 90°



Coupling detail – 60°, 45° and 30°



Flat bend to straight length coupling

Flat bends have integral couplers which fit into straight lengths whether they have been cut to length or not, without the need for further drilling

Each flat bend to length joint is secured with M6 x 12 bolts (roofing or pan head), nuts and washers or quick bolt fasteners (Cat. No. QBF), p. 50. Fasteners are not included

Minimum number of fasteners per joint :

Widths up to 225 = 2

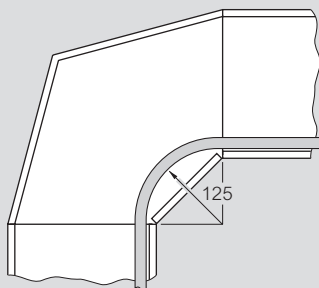
Widths 300 to 600 = 3

Widths 750 and 900 = 4

Fastener finishes

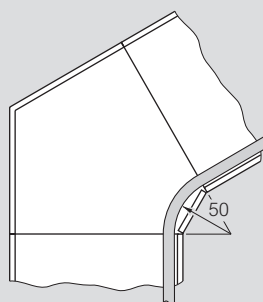
For flat bends with G, D and PG finishes, fasteners are galvanised or zinc plated. For flat bends with S finish, fasteners are stainless steel. For flat bends with E finish, the choice of material for fasteners will depend on the installation environment. For further information, contact us on +44 (0) 345 605 4333

Minimum bend radius for cables – flat bends 90°



Minimum cable radius = 125 mm

Minimum bend radius for cables – flat bends 60°, 45° and 30°



Minimum cable radius = 125 mm

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F = Finish : **G** (hot dip galvanised after manufacture),
D (deep galvanised), **PG** (pre-galvanised steel),
S (stainless steel), **E** (powder coated black RAL 9005)

→ MRF adjustable bends : see p. 54-55