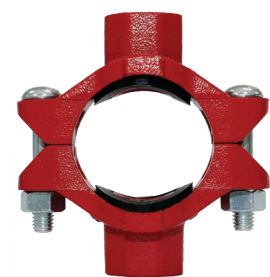


Grooved Mechanical Cross (Threaded)

Model: SDG-47

SHIELD SDG-47 allow a direct branch connection to be made on a pipe run where sufficient space allows a hole to be cut.

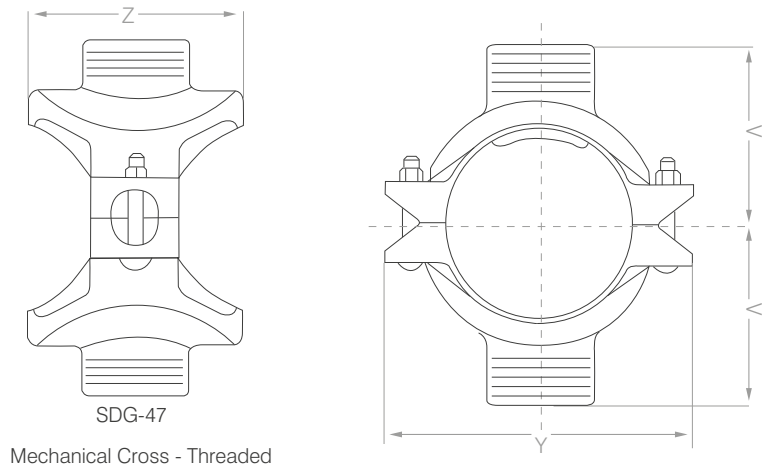


Product Specifications:

Available Size	2 1/2" - 10"
Material	Ductile Iron, ASTM A536Ductile Iron to ASTM A536 Grade 65-45-12
Max. Working Pressure	300psi
Application	Water, HVAC & Fire-Fighting
Coating Finish	Red Painted, Hot Dipped Galvanized
Bolts & Nuts	Carbon Steel ISO 898-1 Class 8.8 heat treated, Hot Dipped Galvanized Nuts & Bolts
Threads	BSPT, NPT
Gasket	EPDM Rubber C Shaped Gasket conforms to ASTM D2000-1, Grade A
Lubricants	Use silicon based non-petroluem lubricants on the lips and outside back
Approvals/Listings	 

Grooved Mechanical Cross (Threaded)

Product Dimensions:



Nominal Size	Pipe O.D.	Max. Working Pressure	Hole Diameter +1.6	Dimensions			Bolt/Nut No - Size
				Y mm	Z mm	V mm	
2½ x ¾	73.0 x 26.9	300.0	38.0	137.0	71.0	68.0	M12 x 70
2½ x 1	73.0 x 33.7	300.0	38.0	137.0	71.0	70.0	M12 x 70
2½ x 1¼	73.0 x 42.4	300.0	51.0	137.0	84.5	73.0	M12 x 70
2½ x ½	76.1 x 21.3	300.0	38.0	137.0	71.0	61.5	M12 x 70
2½ x ¾	76.1 x 26.9	300.0	38.0	137.0	71.0	75.0	M12 x 70
2½ x 1	76.1 x 33.7	300.0	38.0	137.0	71.0	75.0	M12 x 70
2½ x 1¼	76.1 x 42.4	300.0	51.0	137.0	84.5	75.0	M12 x 70
3 x ½	88.9 x 21.3	300.0	38.0	152.0	72.5	71.5	M12 x 76
3 x ¾	88.9 x 26.9	300.0	38.0	152.0	72.5	71.5	M12 x 76
3 x 1	88.9 x 33.7	300.0	38.0	152.0	72.5	80.0	M12 x 76
3 x 1¼	88.9 x 42.4	300.0	51.0	152.0	85.5	80.0	M12 x 76
3 x 1½	88.9 x 48.3	300.0	51.0	152.0	85.5	80.0	M12 x 76
4¼ O.D. x 1¼	108.1 x 42.4	300.0	51.0	172.0	89.0	87.0	M12 x 76
4¼ O.D. x 1½	108.0 x 48.3	300.0	51.0	172.0	89.0	87.0	M12 x 76
4¼ O.D. x 2	108.0 x 60.3	300.0	64.0	172.0	106.5	92.0	M12 x 76
4 x ½	114.3 x 21.3	300.0	38.0	188.0	78.5	90.0	M12 x 76
4 x ¾	114.3 x 26.9	300.0	38.0	188.0	78.5	90.0	M12 x 76
4 x 1	114.3 x 33.7	300.0	38.0	188.0	78.5	93.0	M12 x 76
4 x 1¼	114.3 x 42.4	300.0	51.0	188.0	89.0	95.0	M12 x 76
4 x 1½	114.3 x 48.3	300.0	51.0	188.0	89.0	97.0	M12 x 76
4 x 2	114.3 x 60.3	300.0	64.0	188.0	104.5	100.0	M12 x 76
5¼ O.D. x 2	133.0 x 60.3	300.0	64.0	209.0	112.5	110.0	M16 x 85
5½ O.D. x 1	139.7 x 33.7	300.0	38.0	221.5	78.0	110.0	M16 x 85
5½ O.D. x 1¼	139.7 x 42.4	300.0	51.0	221.5	95.0	112.0	M16 x 85
5½ O.D. x 1½	139.7 x 48.3	300.0	51.0	221.5	95.0	112.0	M16 x 85

Grooved Mechanical Cross (Threaded)

Product Dimensions:

Nominal Size	Pipe O.D.	Max. Working Pressure	Hole Diameter +1.6	Dimensions			Bolt/Nut No - Size
				Y mm	Z mm	V mm	
Inch	mm	psi	mm				mm
5½ O.D. x 2	139.7 x 60.3	300.0	64.0	221.5	112.5	115.0	M16 x 85
5½ O.D. x 2½	139.7 x 76.1	300.0	70.0	221.5	112.5	115.0	M16 x 85
6¼ O.D. x 1¼	159.0 x 42.4	300.0	51.0	244.0	93.0	118.0	M16 x 108
6¼ O.D. x 1½	159.0 x 48.3	300.0	51.0	244.0	93.0	118.0	M16 x 108
6¼ O.D. x 2	159.0 x 60.3	300.0	64.0	244.0	112.5	125.0	M16 x 108
6¼ O.D. x 76.1	159.0 x 76.1	300.0	70.0	244.0	112.5	125.0	M16 x 108
6 x ½	165.1 x 21.3	300.0	38.0	244.0	78.0	110.0	M16 x 108
6 x ¾	165.1 x 26.9	300.0	38.0	244.0	78.0	110.0	M16 x 108
6 x 1	165.1 x 33.7	300.0	38.0	244.0	78.0	118.0	M16 x 108
6 x 1¼	165.1 x 42.4	300.0	51.0	244.0	93.0	118.0	M16 x 108
6 x 1½	165.1 x 48.3	300.0	51.0	244.0	93.0	118.0	M16 x 108
6 x 2	165.1 x 60.3	300.0	64.0	244.0	112.5	128.5	M16 x 108
6 x 2½	165.1 x 76.1	300.0	70.0	244.0	112.5	128.5	M16 x 108
6 x 3	165.1 x 88.9	300.0	89.0	244.0	132.0	128.5	M16 x 108
6 x 1¼	168.3 x 42.4	300.0	51.0	247.0	95.0	130.0	M16 x 108
6 x 1½	168.3 x 48.3	300.0	51.0	247.0	95.0	122.0	M16 x 108
6 x 2	168.3 x 60.3	300.0	64.0	247.0	112.5	132.0	M16 x 108
6 x 2½	168.3 x 73.0	300.0	70.0	247.0	112.5	132.0	M16 x 108
6 x 3	168.3 x 88.9	300.0	89.0	247.0	132.0	140.0	M16 x 108
8 x 1	219.0 x 33.7	300.0	38.0	320.0	79.5	150.0	M20 x 115
8 x 1¼	219.1 x 42.4	300.0	51.0	320.0	96.5	150.0	M20 x 115
8 x 1½	219.1 x 48.3	300.0	51.0	320.0	96.5	150.0	M20 x 115
8 x 2	219.1 x 60.3	300.0	64.0	320.0	117.0	160.0	M20 x 115
8 x 2½	219.1 x 76.1	300.0	70.0	320.0	118.0	158.5	M20 x 115
8 x 3	219.1 x 88.9	300.0	89.0	320.0	136.5	160.0	M20 x 115
8 x 4	219.1 x 114.3	300.0	114.0	320.0	164.0	160.0	M20 x 115
10 x 1½	273.0 x 48.3	300.0	51.0	376.0	95.5	180.0	M20 x 115
10 x 2	273.0 x 60.3	300.0	64.0	376.0	118.0	185.0	M20 x 115
10 x 2½	273.0 x 76.1	300.0	70.0	376.0	118.0	190.0	M20 x 115
10 x 3	273.0 x 88.9	300.0	89.0	376.0	136.5	190.0	M20 x 115
10 x 4	273.0 x 114.3	300.0	114.0	376.0	164.0	190.0	M20 x 115

Grooved Mechanical Cross (Threaded)

Miscellaneous Data:

1. Ordering Information

Example: SDG47-1-1-4

- SDG47 is the part number
- (1) Red Painted Coating (2) Hot Dipped Galvanized Coating
- (1) Carbon Steel bolts & nuts (2) Hot Dipped Galvanized bolts & nuts
- (4) Size

2. Contact Information

For further information on any aspect of the SHIELD Grooved Fittings please contact below:

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