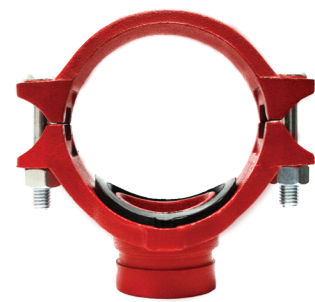


Grooved Mechanical Tee (Grooved Outlet)

Model: SDG-44

SHIELD SDG-44 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	1 1/4" - 10"
Material	Ductile 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 Tee (Grooved Outlet)

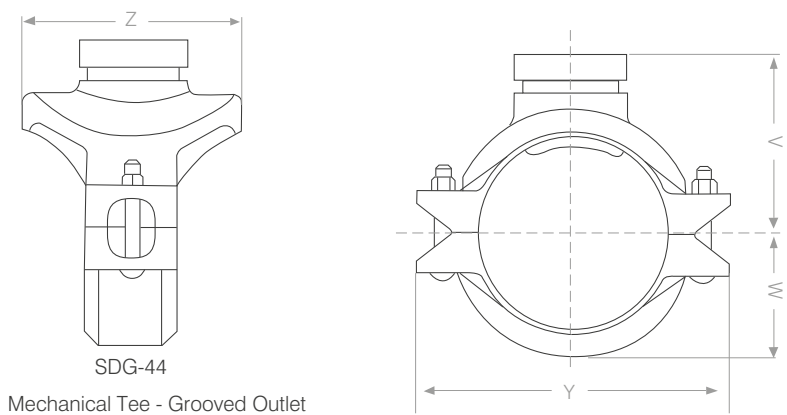
Product Dimensions:

Nominal Size	Pipe O.D.	Max. Working Pressure	Hole Diameter + 1.6	Dimensions				Bolt/Nut No - Size
				Y mm	Z mm	V mm	W mm	
Inch	mm	psi	mm					mm
2 x 1¼	60.3 x 42.4	300.0	45.0	116.0	76.0	69.5	39.0	M10 x 57
2 x 1½	60.3 x 48.3	300.0	45.0	116.0	76.0	69.5	39.0	M10 x 57
2½ x 1	73.0 x 33.7	300.0	38.0	137.0	71.0	78.0	49.0	M12 x 70
2½ x 1¼	73.0 x 42.4	300.0	51.0	137.0	84.5	78.0	49.0	M12 x 70
2½ x 1½	73.0 x 48.3	300.0	51.0	137.0	84.5	78.0	49.0	M12 x 70
3 O.D. x 1	76.1 x 33.7	300.0	38.0	137.0	71.0	78.0	49.5	M12 x 70
3 O.D. x 1¼	76.1 x 42.4	300.0	51.0	137.0	84.5	78.0	49.5	M12 x 70
3 O.D. x 1½	76.1 x 48.3	300.0	51.0	137.0	84.5	78.0	49.5	M12 x 70
3 x 1	88.9 x 33.7	300.0	38.0	152.0	72.5	84.5	56.5	M12 x 76
3 x 1¼	88.9 x 42.4	300.0	51.0	152.0	85.5	84.5	56.5	M12 x 76
3 x 1½	88.9 x 48.3	300.0	51.0	152.0	85.5	84.5	56.5	M12 x 76
3 x 2	88.9 x 60.3	300.0	64.0	152.0	98.0	84.5	56.5	M12 x 76
4 x 1	114.3 x 33.7	300.0	38.0	188.0	78.4	102.0	70.0	M12 x 76
4 x 1¼	114.3 x 42.4	300.0	51.0	188.0	89.0	102.0	70.0	M12 x 76
4 x 1½	114.3 x 48.3	300.0	51.0	188.0	89.0	102.0	70.0	M12 x 76
4 x 2	114.3 x 60.3	300.0	64.0	188.0	104.5	102.0	70.0	M12 x 76
4 x 2½	114.3 x 73.0	300.0	70.0	188.0	104.5	102.0	70.0	M12 x 76
4 x 3 O.D.	114.3 x 76.1	300.0	70.0	188.0	104.5	102.0	70.0	M12 x 76
4 x 3	114.3 x 88.9	300.0	89.0	188.0	128.0	102.0	70.0	M12 x 76
5½ O.D. x 1¼	139.7 x 42.4	300.0	51.0	221.5	95.0	118.0	84.0	M16 x 85
5½ O.D. x 1½	139.7 x 48.3	300.0	51.0	221.5	95.0	118.0	84.0	M16 x 85
5½ O.D. x 2	139.7 x 60.3	300.0	64.0	221.5	112.5	118.0	84.0	M16 x 85
5½ O.D. x 3 O.D.	139.7 x 76.1	300.0	70.0	221.5	112.5	118.0	84.0	M16 x 85
5½ O.D. x 3	139.7 x 88.9	300.0	89.0	221.5	132.0	118.0	84.0	M16 x 85
5½ O.D. x 4	139.7 x 114.3	300.0	114.0	221.5	160.0	125.0	84.0	M16 x 85
6¼ O.D. x 2	159.1 x 60.3	300.0	64.0	244.0	112.5	125.0	94.0	M16 x 108
6¼ O.D. x 4¼ O.D.	159.1 x 108.0	300.0	114.0	244.0	154.0	133.0	94.0	M16 x 108
6¼ O.D. x 4	159.1 x 114.3	300.0	114.0	244.0	159.0	125.0	94.0	M16 x 108
6½ O.D. x 2	165.1 x 60.3	300.0	64.0	244.0	112.5	127.0	97.5	M16 x 108
6½ O.D. x 3 O.D.	165.1 x 76.1	300.0	70.0	244.0	112.5	130.0	97.5	M16 x 108
6½ O.D. x 3	165.1 x 88.9	300.0	89.0	244.0	132.0	130.0	97.5	M16 x 108
6½ O.D. x 4	165.1 x 114.3	300.0	114.0	244.0	154.0	135.0	97.5	M16 x 108
6 x 1½	168.3 x 48.3	300.0	51.0	247.0	95.0	128.0	98.5	M16 x 108
6 x 2	168.3 x 60.3	300.0	64.0	247.0	114.0	134.0	98.5	M16 x 108
6 x 2½	168.3 x 73.0	300.0	70.0	247.0	112.5	135.0	98.5	M16 x 108
6 x 2½	168.3 x 76.1	300.0	70.0	247.0	112.5	135.0	98.5	M16 x 108

Grooved Mechanical Tee (Grooved Outlet)

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	W mm	
Inch	mm	psi	mm					mm
6 x 3	168.3 x 88.9	300.0	89.0	247.0	132.0	136.5	98.5	M16 x 108
6 x 4	168.3 x 114.3	300.0	114.0	247.0	160.0	138.0	98.5	M16 x 108
8 x 2	219.1 x 60.3	300.0	64.0	320.0	118.0	158.0	125.0	M20 x 115
- x 3 O.D.	216.3 x 76.1	300.0	70.0	315.0	117.0	157.0	122.0	M20 x 115
8 x 2½	219.1 x 73.0	300.0	70.0	320.0	118.0	158.0	125.0	M20 x 115
8 x 3 O.D.	219.1 x 76.1	300.0	70.0	320.0	118.0	158.0	125.0	M20 x 115
8 x 3	219.1 x 88.9	300.0	89.0	320.0	136.5	161.0	125.0	M20 x 115
8 x 4¼ O.D.	219.1 x 108.0	300.0	114.0	320.0	162.0	161.0	125.0	M20 x 115
8 x 4	219.1 x 114.3	300.0	114.0	320.0	162.0	161.0	125.0	M20 x 115
10 x 3 O.D.	273.0 x 76.1	300.0	70.0	376.0	118.0	189.0	155.0	M20 x 115
10 x 3	273.0 x 88.9	300.0	89.0	376.0	136.5	189.0	155.0	M20 x 115
10 x 4	273.0 x 108	300.0	114.0	376.0	164.0	189.0	155.0	M20 x 115
10 x 4	273.0 x 114.3	300.0	114.0	376.0	164.0	189.0	155.0	M20 x 115



Grooved Mechanical Tee (Grooved Outlet)

Miscellaneous Data:

1. Ordering Information

Example: SDG42-1-1-4

- SDG42 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. Installation Instruction

Refer to <https://www.naffcoflow.com/wp-content/uploads/2023/04/OM-Manual-v0722-14.pdf>

3. Contact Information

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

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