

Grooved Concentric Reducer (Threaded)

Model: SDG-37

SHIELD SDG-37 allow controlled angular and linear movement of the pipe to assist alignment and installation. The advantage of flexibility must be considered in the design for hanger and support spacing.

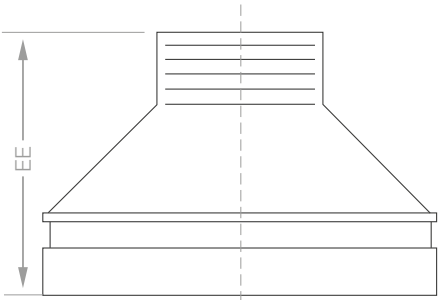


Product Specifications:

Available Size	1" - 24"
Material	Ductile Iron to ASTM A536 Grade 65-45-12
Max. Working Pressure	500psi
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
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	  

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Product Dimensions:



SDG-37

Threaded Concentric Reducer

Nominal Size	Pipe O.D.	Max. Working Pressure	Dimensions
			EE mm
1¼ x 1	42.4 x 33.7	500	64
1½ x 1	48.3 x 33.7	500	64
1½ x 1¼	48.3 x 42.4	500	-
2 x ½	60.3 x 21.3	500	64
2 x ¾	60.3 x 26.9	500	64
2 x 1	60.3 x 33.7	500	64
2 x 1¼	60.3 x 42.4	500	64
2 x 1½	60.3 x 48.3	500	64
2½ x 1	73.0 x 33.7	500	64
2½ x 1¼	73.0 x 42.4	500	64
2½ x 1½	73.0 x 48.3	500	64
2½ x 2	73.0 x 60.3	500	64
3 O.D. x ½	76.1 x 21.3	500	64
3 O.D. x ¾	76.1 x 26.9	500	64
3 O.D. x 1	76.1 x 33.7	500	64
3 O.D. x 1¼	76.1 x 42.4	500	64
3 O.D. x 1½	76.1 x 48.3	500	64
3 O.D. x 2	76.1 x 60.3	500	64
3 x ½	88.9 x 21.3	500	64
3 x ¾	88.9 x 26.9	500	64
3 x 1	88.9 x 33.7	500	64
3 x 1¼	88.9 x 42.4	500	64
3 x 1½	88.9 x 48.3	500	64
3 x 2	88.9 x 60.3	500	64
3 x 2½	88.9 x 73.0	500	64
3 x 3 O.D.	88.9 x 76.1	500	64
4¼ O.D. x 1	108.0 x 33.7	500	76
4¼ O.D. x 1¼	108.0 x 42.4	500	76
4¼ O.D. x 1½	108.0 x 48.3	500	76
4¼ O.D. x 2	108.0 x 60.3	500	76

Nominal Size	Pipe O.D.	Max. Working Pressure	Dimensions
			EE mm
4¼ O.D. x 2½	108.0 x 73.0	500	-
4¼ O.D. x 3 O.D.	108.0 x 76.1	500	76
4¼ O.D. x 3	108.0 x 88.9	500	76
4 x ½	114.3 x 21.3	500	76
4 x ¾	114.3 x 26.9	500	76
4 x 1	114.3 x 33.7	500	76
4 x 1¼	114.3 x 42.4	500	76
4 x 1½	114.3 x 48.3	500	76
4 x 2	114.3 x 60.3	500	76
4 x 2½	114.3 x 73.0	500	76
4 x 3 O.D.	114.3 x 76.1	500	76
4 x 3	114.3 x 88.9	500	76
5¼ O.D. x 1½	133.0 x 48.3	500	89
5¼ O.D. x 2	133.0 x 60.3	500	89
5¼ O.D. x 3 O.D.	133.0 x 76.1	500	89
5¼ O.D. x 3	133.0 x 88.9	500	89
	133.0 x 108.0	500	-
5¼ O.D. x 4	133.0 x 114.3	500	-
5½ O.D. x 1	139.7 x 33.7	500	89
5½ O.D. x 1¼	139.7 x 42.4	500	89
5½ O.D. x 1½	139.7 x 48.3	500	89
5½ O.D. x 2	139.7 x 60.3	500	89
5½ O.D. x 3 O.D.	139.7 x 76.1	500	89
5½ O.D. x 3	139.7 x 88.9	500	89
5½ O.D. x 4	139.7 x 114.3	500	89
5 x 2½	141.3 x 73.0	500	-
5 x 3	141.3 x 88.9	500	-
5 x 4	141.3 x 114.3	500	89
6¼ O.D. x ¾	159.0 x 26.9	500	102
6¼ O.D. x 1	159.0 x 33.7	500	102

NOTE: Refer to UL/FM/LPCB certificates for more details.
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Product Dimensions:

Nominal Size	Pipe O.D.	Max. Working Pressure	Dimensions
Inch	mm	psi	EE mm
6¼ O.D. x 1¼	159.0 x 42.4	500	102
6¼ O.D. x 1½	159.0 x 48.3	500	102
6¼ O.D. x 2	159.0 x 60.3	500	102
6¼ O.D. x 3 O.D.	159.0 x 76.1	500	102
6¼ O.D. x 3	159.0 x 88.9	500	102
6¼ O.D. x 4	159.0 x 108	500	-
6¼ O.D. x 4	159.0 x 114.3	500	102
6¼ O.D. x 5¼ O.D.	159.0 x 133.0	500	-
6½ O.D. x ½	165.1 x 21.3	500	102
6½ O.D. x ¾	165.1 x 26.9	500	102
6½ O.D. x 1	165.1 x 33.7	500	102
6½ O.D. x 1¼	165.1 x 42.4	500	102
6½ O.D. x 1½	165.1 x 48.3	500	102
6½ O.D. x 2	165.1 x 60.3	500	102
6½ O.D. x 3 O.D.	165.1 x 76.1	500	102
6½ O.D. x 3	165.1 x 88.9	500	102
6½ O.D. x 4¼ O.D.	165.1 x 108.0	500	-
6½ O.D. x 4	165.1 x 114.3	500	102
6½ O.D. x 5½ O.D.	165.1 x 139.7	500	-
6½ O.D. x 5	165.1 x 141.3	500	-
6 x 1	168.3 x 33.7	500	102
6 x 2	168.3 x 60.3	500	102
6 x 2½	168.3 x 73.0	500	-
6 x 3 O.D.	168.3 x 76.1	500	-
6 x 3	168.3 x 88.9	500	-
6 x 4	168.3 x 114.3	500	-
6 x 5½ O.D.	168.3 x 139.7	500	-
6 x 5	168.3 x 141.3	500	-
- x 4	216.3 x 114.3	500	-
- x 6½ O.D.	216.3 x 165.1	500	-
8 x 1½	219.1 x 48.3	500	127
8 x 2	219.1 x 60.3	500	127
8 x 2½	219.1 x 73.0	500	-
8 x 3 O.D.	219.1 x 76.1	500	127
8 x 3	219.1 x 88.9	500	127
8 x 4¼ O.D.	219.1 x 108.0	500	-
8 x 4	219.1 x 114.3	500	127

Nominal Size	Pipe O.D.	Max. Working Pressure	Dimensions
Inch	mm	psi	EE mm
8 x 5½ O.D.	219.1 x 139.7	500	-
8 x 5	219.1 x 141.3	500	-
8 x 6¼ O.D.	219.1 x 159.0	500	-
8 x 6½ O.D.	219.1 x 165.1	500	-
8 x 6	219.1 x 168.3	500	-
10 x 6¼ O.D.	273.0 x 159.0	500	-
10 x 6½ O.D.	273.0 x 165.1	500	-
10 x 6	273.0 x 168.3	500	-
10 x 8	273.0 x 219.1	500	-
12 x 8	323.9 x 219.1	500	-
12 x 10	323.9 x 273.0	500	-
	377.0 x 133.0	300	-
	377.0 x 159.0	300	-
14 x 6	355.6 x 168.3	300	-
14 x 8	355.6 x 219.1	300	-
14 x 10	355.6 x 273.0	300	-
14 x 12	355.6 x 323.9	300	-
16 x 8	406.4 x 219.1	300	-
16 x 10	406.4 x 273.0	300	-
16 x 12	406.4 x 323.9	300	-
16 x 14	406.4 x 355.6	300	-
18 x 6	457.2 x 168.3	300	-
18 x 10	457.2 x 273.0	300	-
18 x 12	457.2 x 323.9	300	-
18 x 14	457.2 x 355.6	300	-
18 x 16	457.2 x 406.4	300	-
20 x 8	530.0 x 219.1	300	-
20 x 12	508.0 x 323.9	300	-
20 x 14	508.0 x 355.6	300	-
20 x 16	508.0 x 406.4	300	-
20 x 18	508.0 x 457.2	300	-
24 x 16	609.6 x 406.4	300	-
24 x 18	609.6 x 457.2	300	-
24 x 20	609.6 x 508.0	300	-

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Miscellaneous Data:

1. Ordering Information

Example: SDG37-1-1-4

- SDG37 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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