




# Grooved Reducing Elbow 90°

## Model: SDG-105 Short Radius

SHIELD SDG-105 is designed for maximum working pressure of 365psi. The flexibility benefits of this coupling can be used in applications where high pressure is not required.

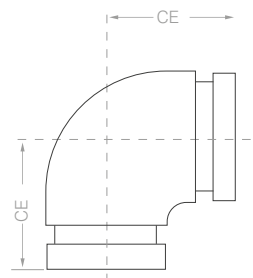


### Product Specifications:

Available Size	1" - 24"
Material	Ductile Iron to ASTM A536 Grade 65-45-12
Max. Working Pressure	365psi
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	<div>    </div>

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## Product Dimensions:



SDG-105  
90° Short Radius Elbow

Nominal Size	Pipe O.D.	90° Elbow	
		Maximum Working Pressure psi	CE mm
Inch	mm		
1	33.7	-	-
1¼	42.4	-	-
1½	48.3	-	-
2	60.3	300	70.0
2½	73.0	300	76.0
3 O.D.	76.1	300	76.0
3	88.9	300	85.5
4¼ O.D.	108.0	300	101.0
4	114.3	365	101.0
5¼ O.D.	133.0	-	-
5½ O.D.	139.7	300	124.0
5	141.3	-	-
6¼ O.D.	159.0	300	140.0
6½ O.D.	165.1	365	140.0

Nominal Size	Pipe O.D.	90° Elbow	
		Maximum Working Pressure psi	CE mm
Inch	mm		
6	168.3	300	140.0
-	216.3	300	175.0
8	219.1	300	165.0
-	267.4	-	-
10	273.0	-	-
-	318.5	-	-
12	323.9	-	-
14	355.6	-	-
-	377.0	-	-
16	406.4	-	-
-	426.0	-	-
18	457.2	-	-
-	480.0	-	-
20	508.0	-	-
24	609.6	-	-

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## Miscellaneous Data:

### 1. Ordering Information

Example: SDG105-1-1-4

- SDG105 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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