

# Pipe Fittings

## Product Description

Product Designation	Fitting Description	Nominal Pipe Size, in.	Max Working Pressure, psi (kPa)	Remarks
SDGL 105	90° Elbow	76.1, 139.7, 165.1 mm	232 (1600)	c
SDGL 105	90° Elbow	8, 10, 12	300 (2070)	c
SDGL 105	90° Elbow	5, 6 133, 139.7, 159, 165.1 mm	400 (2760)	c
SDGL 105	90° Elbow	1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 4 76.1, 108 mm	500 (3445)	c
SDGL 200	45° Elbow	8, 10, 12	300 (2070)	c
SDGL 200	45° Elbow	5, 6 133, 139.7, 159, 165.1 mm	400 (2760)	c
SDGL 200	45° Elbow	1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 4 76.1 mm, 108 mm	500 (3445)	c
SDGL 102	Equal Tee	8, 10, 12	300 (2070)	c
SDGL 102	Equal Tee	5, 6 133, 139.7, 159, 165.1 mm	400 (2760)	c
SDGL 102	Equal Tee	1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 4 76.1 mm, 108 mm	500 (3445)	c
SDGL 53	Reducing Tee, Grooved	3 x 76.1 mm 139.7 mm x 4 165.1 mm x 139.7 mm	232 (1600)	c
SDGL 53	Reducing Tee, Grooved	8 x 4, 6 219.1 mm x 165.1 mm 10 x 6, 8 12 x 4, 6, 8, 10	300 (2070)	c
SDGL 53	Reducing Tee, Grooved	2-1/2 x 1, 1-1/4, 1-1/2, 2 3 x 2-1/2 4 x 2-1/2 6 x 1, 1-1/4, 1-1/2, 2, 3, 4, 76.1 mm 139.7 mm x 1, 1-1/4, 1-1/2, 2, 3, 76.1 mm 165.1 mm x 1, 1-1/4, 1-1/2, 2, 3, 4, 76.1 mm	400 (2760)	c
SDGL 53	Reducing Tee, Grooved	2 x 1, 1-1/4, 1-1/2 3 x 1, 1-1/4, 1-1/2, 2 4 x 1, 1-1/4, 1-1/2, 2, 3, 76.1 mm 76.1 mm x 1, 1-1/4, 1-1/2	500 (3445)	c
SDGL 53TH	Reducing Tee, Grooved x Threaded	2-1/2 x 1, 1-1/4, 1-1/2, 2 6 x 1, 1-1/4, 1-1/2, 2, 3, 4, 76.1 mm 139.7 mm x 1, 1-1/4, 1-1/2, 2, 3, 76.1 mm 165.1 mm x 1, 1-1/4, 1-1/2, 2, 3, 4, 76.1 mm	400 (2760)	c, d
SDGL 53TH	Reducing Tee, Grooved x Threaded	2 x 1, 1-1/4, 1-1/2 3 x 1, 1-1/4, 1-1/2, 2 4 x 1, 1-1/4, 1-1/2, 2, 3, 76.1 mm 76.1 mm x 1, 1-1/4, 1-1/2	500 (3445)	c, d
SDGL 16B	Flange Adaptor	2, 2-1/2, 3, 4, 5, 6, 8, 10, 12 76.1, 108, 133, 139.7, 159, 165.1 mm	300 (2070)	c, e
SDGL 15TH	Flange Adaptor Threaded	2, 3, 4 76.1 mm	300 (2070)	c, e
SDGL 14	Cap	8, 10, 12	300 (2070)	c
SDGL 14	Cap	5, 6 133, 139.7, 159, 165.1 mm	400 (2760)	c
SDGL 14	Cap	1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 4 76.1, 108 mm	500 (3445)	c
SDGL 13	Equal Cross	8, 10, 12	300 (2070)	c
SDGL 13	Equal Cross	5, 6 133, 139.7, 159, 165.1 mm	400 (2760)	c
SDGL 13	Equal Cross	1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 4 76.1, 108 mm	500 (3445)	c
SDGL 37	Concentric Reducer, Threaded	8 x 1, 1-1/4, 1-1/2, 2, 3, 4, 76.1 mm	300 (2070)	c, d
SDGL 37	Concentric Reducer, Threaded	2-1/2 x 1, 1-1/4, 1-1/2, 2 6 x 1, 1-1/4, 1-1/2, 2, 3, 4, 76.1 mm 139.7 mm x 1-1/4, 1-1/2, 2, 3, 76.1 mm 165.1 mm x 1-1/4, 1-1/2, 2, 3, 4, 76.1 mm	400 (2760)	c, d
SDGL 37	Concentric Reducer, Threaded	2 x 1, 1-1/4, 1-1/2 3 x 1, 1-1/4, 1-1/2, 2 4 x 1, 1-1/4, 1-1/2, 2, 3, 76.1 mm 76.1 mm x 1, 1-1/4, 1-1/2, 2 139.7 mm x 1	500 (3445)	c, d



SDGL 35	Concentric Reducer, Grooved	76.1 mm x 2 3 x 2, 76.1 mm 4 x 76.1 mm, 3 139.7 mm x 76.1 mm, 3, 4 165.1 mm x 76.1 mm, 3, 4, 139.7 mm 8 x 76.1 mm, 3, 4, 139.7 mm, 165.1 mm 10 x 4, 165.1 mm, 8 12 x 4, 139.7 mm, 165.1 mm, 8, 10	232 (1600)	c
SDGL 35	Concentric Reducer, Grooved	6 x 2-1/2 8 x 2, 2-1/2, 76.1 mm, 3, 6 10 x 4, 6, 8	300 (2070)	a, c
SDGL 35	Concentric Reducer, Grooved	2-1/2 x 1-1/4, 1-1/2, 2 3 x 2-1/2, 76.1 mm 4 x 2-1/2 6 x 2, 3, 4, 76.1 mm 139.7 mm x 1-1/4, 1-1/2, 2, 3, 76.1 mm 165.1 mm x 2, 3, 4, 76.1 mm	400 (2760)	a, c
SDGL 35	Concentric Reducer, Grooved	2 x 1, 1-1/4, 1-1/2 3 x 1-1/4, 1-1/2, 2 4 x 1-1/4, 1-1/2, 2, 3, 76.1 mm 76.1 mm x 1-1/4, 1-1/2	500 (3445)	a, c
SDGL 114	Adapter Elbow	1-1/4 x 1/2, 3/4, 1 1-1/2 x 1/2, 3/4, 1 2 x 1/2, 3/4, 1 2-1/2 x 1/2, 3/4, 1	500 (3445)	c, d
SDGL 11	Adapter Nipple	1-1/2 2	500 (3445)	c, d
SDGL 111	Reducing Adapter Nipple	1-1/2 x 1 2 x 1-1/2	500 (3445)	c, d
SDGL 14A	Concentric Drain End Cap	2 x 1 2-1/2 x 1 3 x 1 4 x 1 6 x 1	500 (3445)	c, d
SDGL 225	22.5 Degree Grooved Elbow	1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 4 76.1, 108 mm	400 (2760)	c
SDGL 225	22.5 Degree Grooved Elbow	5, 6, 8, 10, 12 133, 139.7, 159, 165.1 mm	300 (2070)	c
SDGL 112	11.25 Degree Grooved Elbow	1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 4 76.1, 108 mm	400 (2760)	c
SDGL 112	11.25 Degree Grooved Elbow	5, 6, 8, 10, 12 133, 139.7, 159, 165.1 mm	300 (2070)	c
SDGL 33	Eccentric Reducer	3 x 2, 2-1/2, 76.1 mm 4 x 2, 2-1/2, 76.1 mm, 3 139.7 mm x 76.1 mm, 3, 4 159 mm x 76.1 mm, 3, 108 mm, 4 165.1 mm x 76.1 mm, 3, 4, 139.7 mm 6 x 3, 4, 139.7 mm 8 x 3, 4, 139.7 mm, 165.1 mm, 6 10 x 165.1 mm, 6, 8	300 (2070)	c
SDGL 16D	Flange Adapter	2, 2-1/2, 3, 4, 5, 6, 8	300 (2070)	c, f

**Remarks:**

- a. Min schedule cut groove pipe to be joined: Schedule 40.
- c. Product is marked with acceptable trade name of "SHIELD"
- d. Available with NPT threaded End Connections
- e. Available with GB/T 9112 Flanges
- f. Available with ANSI B16.5 Class 150 Flanges

Product Designation	Fitting Description	Nominal Pipe size, mm	Max Working Pressure, psi (kPa)
Model SDG100	90° Elbow, Grooved Ends	1 ¼, 1 ½, 2, 2 ½, 3, 4, 5, 6, 8	500 (3450)
Model SDG200	45° Elbow, Grooved Ends	1 ¼, 1 ½, 2, 2 ½, 3, 4, 5, 6, 8, 10, 12	500 (3450)
Model SDG200	45° Elbow, Grooved Ends	76.1, 165 mm	500 (3450)
Model SDG12	Equal Tee, Grooved Ends	1 ¼, 1 ½, 2, 2 ½, 3, 4, 5, 6, 8, 10, 12	500 (3450)
Model SDG12	Equal Tee, Grooved Ends	76.1, 165 mm	500 (3450)
Model SDG53	Reducing Tee, Grooved Ends	2 x 1 ½, 3 x 1, 1 ½, 2, 2 ½, 4 x 1, 2, 2 ½, 3, 5 x 2, 3, 4, 6 x 2, 2 ½, 3, 4, 5, 8 x 2, 3, 4, 5, 6	500 (3450)
Model SDG13	Equal Cross, Grooved Ends	1 ¼, 1 ½, 2, 2 ½, 3, 4, 5, 6, 8, 10, 12	500 (3450)
Model SDG13	Equal Cross, Grooved Ends	76.1, 165 mm	500 (3450)

Model SDG35	Concentric Reducer, Grooved Ends	2 x ¾, 1, 1 ¼, 1 ½, 2 ½ x 1, 1 ¼, 1 ½, 2, 3 x ¾, 1, 1 ½, 2, 2 ½, 4 x 1, 1 ½, 2, 2 ½, 3, 5 x 3, 4, 6 x 1, 2, 2 ½, 3, 4, 5, 8 x 2 ½, 3, 4, 5, 6	500 (3450)
Model SDG37	Concentric Reducer, Groove x Female NPT	2 x ¾, 1, 1 ¼, 1 ½, 2 ½ x 1, 1 ¼, 1 ½, 2, 3 x ¾, 1, 1 ½, 2, 2 ½, 4 x 1, 1 ½, 2, 2 ½, 3, 5 x 3, 4, 6 x 2, 2 ½, 3, 4, 5, 8 x 2 ½, 3, 4, 5, 6	500 (3450)
Model SDG39	Concentric Reducer, Groove x Male NPT	2 x ¾, 1, 1 ¼, 1 ½, 2 ½ x 1, 1 ¼, 1 ½, 2, 3 x ¾, 1, 1 ½, 2, 2 ½, 4 x 1, 1 ½, 2, 2 ½, 3, 5 x 3, 4, 6 x 2, 2 ½, 3, 4, 5, 8 x 2 ½, 3, 4, 5, 6	500 (3450)
Model SDG14	Grooved End Cap	1 ¼, 1 ½, 2, 2 ½, 3, 4, 5, 6, 8, 10, 12	500 (3450)
Model SDG14	Grooved End Cap	76.1, 165 mm	500 (3450)
Model SDG16	Flange x Groove Adapter	2, 2 ½, 3, 4, 5, 6, 8	500 (3450)
Model SDG16	Flange x Groove Adapter	76.1, 165mm	500 (3450)
Model SDT14	D.I. Cap, Threaded	½, ¾, 1, 1 ¼, 1 ½, 2, 2 ½	500 (3450)
Model SDT22	D.I. Straight Coupling, Threaded	½, ¾, 1, 1 ¼, 1 ½, 2, 2 ½	500 (3450)
Model SDT100	D.I. 90° Elbow, Threaded	½, ¾, 1, 1 ¼, 1 ½, 2, 2 ½	500 (3450)
Model SDT200	D.I. 45° Elbow, Threaded	½, ¾, 1, 1 ¼, 1 ½, 2, 2 ½	500 (3450)
Model SDT57	D.I. Bushings, Threaded	1 x ½, ¾ 1 ¼ x ¾ 2 x 1	500 (3450)
Model SDT30	D.I. Concentric Reducer, Threaded	1 x ½, ¾ 1 ¼ x ¾ 2 x 1	500 (3450)
Model SDT101	D.I. 90° Reducing Elbow, Threaded	¾ x ½ 1 x ½, ¾ 1 ¼ x ½, ¾, 1 1 ½ x ¾, 1, 1 ¼ 2 x ¾, 1, 1 ¼, 1 ½ 2 ½ x 1 ½, 2	500 (3450)
Model SDT53	Reducing Tee, Threaded	¾ x ¾ x ½, 1 ¾ x ½ x ¾, ½ 1 x 1 x ½, ¾, 1 ¼, 1 ½ 1 x ¾ x ¾, 1 1 x ½ x 1 1 ¼ x 1 ¼ x ½, ¾, 1, 1 ½, 2 1 ¼ x 1 x ½, ¾, 1, 1 ¼, 1 ½ 1 ¼ x ¾ x 1 ¼ 1 ¼ x ½ x 1 ¼ 1 ½ x 1 ½ x ½, ¾, 1, 1, 1 ¼, 2 1 ½ x 1 ¼ x ½, ¾, 1, 1 ¼, 1 ½ 1 ½ x 1 x ½, ¾, 1, 1 ¼, 1 ½ 1 ½ x ¾ x 1 ¼, 1 ½ 1 ½ x ½ x 1 ¼, 1 ½ 2 x 2 x ½, ¾, 1, 1 ¼, 1 ½, 2 ½ 2 x 1 ½ x ½, ¾, 1, 1 ¼, 1 ½, 2 2 x 1 ¼ x 2 2 x 1 x 2 2 ½ x 2 ½ x ¾, 1, 1 ¼, 1 ½, 2, 3	500 (3450)
Model SDT51	D.I. Reducing Cross, Threaded	1 ¼ x 1, 1 ½ x 1, 2 x 1	500 (3450)
Model SDT55	D.I. Square Head Pipe Plug	½, ¾, 1, 1 ¼, 1 ½, 2	500 (3450)
Model SDT12	D.I. Equal Tee, Threaded	½, ¾, 1, 1 ¼, 1 ½, 2, 2 ½	500 (3450)
Model SDT59	D.I. Union, Threaded	1, 1 ¼, 1 ½, 2	500 (3450)
Model SDT13	D.I. Cross, Threaded	1, 1 ¼, 1 ½, 2	500 (3450)
Model SDC100	C.I. 90° Elbow, Threaded	½, ¾, 1, 1 ¼, 1 ½, 2, 2 ½	300 (2070)
Model SDC200	C.I. 45° Elbow, Threaded	½, ¾, 1, 1 ¼, 1 ½, 2, 2 ½	300 (2070)
Model SDC30	C.I. Concentric Reducer, Threaded	1 x ½, ¾ 2 x 1	300 (2070)

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Model SDC101	C.I. 90° Reducing Elbow, Threaded	1 x 1/2, 3/4, 1 1/4 x 1/2, 3/4, 1, 1 1/2 x 1/2, 3/4, 1, 1 1/4, 2 x 1/2, 3/4, 1, 1 1/4, 1 1/2, 2 1/2 x 3/4, 1, 1 1/4, 1 1/2, 2	300 (2070)
Model SDC53	C.I. Reducing Tee, Threaded	1 x 1/2 x 1/2, 3/4, 1, 1 x 3/4 x 1/2, 3/4, 1, 1 x 1 x 1/2, 3/4, 1 1/4, 1 x 1 1/4 x 1, 1 1/4 x 1 1/4 x 1/2, 3/4, 1, 1 1/2, 2, 1 1/4 x 1 x 1/2, 3/4, 1, 1 1/4, 1 1/2,, 1 1/4 x 3/4 x 1 1/4, 1 1/4 x 1/2 x 1 1/4, 1 1/2 x 1 1/2 x 1/2, 3/4, 1, 1, 1 1/4, 2, 1 1/2 x 1 1/4 x 1/2, 3/4, 1, 1 1/4, 1 1/2, 1 1/2 x 1 x 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 1 1/2 x 3/4 x 1 1/4, 1 1/2, 1 1/2 x 1/2 x 1 1/4, 1 1/2, 2 x 2 x 1/2, 3/4, 1, 1 1/4, 1 1/2, 2 x 1 1/2 x 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 x 1 1/4 x 1/2, 1, 1 1/4, 1 1/2, 2, 2 x 1 x 3/4, 1, 1 1/4, 2, 2 x 2 x 2 1/2, 2 1/2 x 2 x 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 2 x 1 1/4 x 2 1/2, 2 x 1 x 2 1/2, 2 x 3/4 x 2 1/2, 2 1/2 x 1/2 x 2, 2 1/2	300 (2070)
Model SDC12	C.I. Equal Tee, Threaded	1/2, 3/4, 1, 1 1/4, 1 1/2, 2	300 (2070)

**SD-UFLEX and SD-VFLEX Expansion Loops**

Product Designation	Fitting Description	Nominal Pipe Size, in.	Rated Working Pressure, psi (kPa)	Remarks / Movement, inches
SD-UFLEX Expansion Loop	Type 1, Welded Ends, 180° Return	1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 4, 5, 6, 8, 10 (25, 32, 40, 50, 65, 80, 100, 125, 150, 200, 250 mm)	175 (1205) 250 (1725)	d / ±1-1/2, ±4, ±8
SD-UFLEX Expansion Loop	Type 2, Flanged Ends, 180° Return	1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 4, 5, 6, 8, 10 (25, 32, 40, 50, 65, 80, 100, 125, 150, 200, 250 mm)	175 (1205) 250 (1725)	c, f / ±1-1/2, ±4
SD-UFLEX Expansion Loop	Type 3, Swivel Flanged Ends, 180° Return	1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 4, 5, 6, 8, 10 (25, 32, 40, 50, 65, 80, 100, 125, 150, 200, 250 mm)	175 (1205) 250 (1725)	c, f / ±1-1/2, ±4, ±8
SD-UFLEX Expansion Loop	Type 4, Threaded Ends, 180° Return	1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 4, 5, 6 (25, 32, 40, 50, 65, 80, 100, 125, 150 mm)	175 (1205) 250 (1725)	g / ±1-1/2, ±4, ±8
SD-UFLEX Expansion Loop	Type 5, Sweat Ends, 180° Return	1, 1-1/4, 1-1/2, 2 (25, 32, 40, 50)	175 (1205) 250 (1725)	± 1-1/2, ±4
SD-UFLEX Expansion Loop	Type 6, Sweat Ends, With intermediate pipe	1, 1-1/4, 1-1/2, 2 (25, 32, 40, 50)	175 (1205) 250 (1725)	± 1-1/2, ±4
SD-UFLEX Expansion Loop	Type 7, Cut Groove Ends, 180° Return	1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 4, 5, 6, 8, 10 (25, 32, 40, 50, 65, 80, 100, 125, 150, 200, 250 mm)	175 (1205) 250 (1725)	a, b, e / ±1-1/2, ±4, ±8
SD-VFLEX Expansion Loop	Type 7, Cut Groove Ends, 180° Return	1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 4, 5, 6, 8, 10 (25, 32, 40, 50, 65, 80, 100, 125, 150, 200, 250 mm)	175 (1205) 250 (1725)	a, b, e / ±1-1/2, ±4, ±8
SD-VFLEX Expansion Loop	Type 4, Threaded Ends, 180° Return	1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 4, 5, 6 (25, 32, 40, 50, 65, 80, 100, 125, 150 mm)	175 (1205) 250 (1725)	g / ±1-1/2, ±4, ±8
SD-VFLEX Expansion Loop	Type 3, Swivel Flange Ends, 180° Return	1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 4, 5, 6, 8, 10 (25, 32, 40, 50, 65, 80, 100, 125, 150, 200, 250 mm)	175 (1205) 250 (1725)	c, f / ±1-1/2, ±4, ±8
SD-VFLEX Expansion Loop	Type 1, Welded Ends, 180° Return	1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 4, 5, 6, 8, 10 (25, 32, 40, 50, 65, 80, 100, 125, 150, 200, 250 mm)	175 (1205) 250 (1725)	d / ±1-1/2, ±4, ±8

**Remarks:**

- a. Min schedule cut groove pipe to be joined: 4 in. or smaller - Schedule 40.  
 b. Min schedule rolled groove pipe to be joined: 4 in. or smaller - Schedule 10.  
 c. ANSI Flange  
 d. Welded  
 e. Cut Groove  
 f. EN Flange  
 g. Threads according to EN 10226 specifications

Product Designation	Fitting Description	End Connection	Nominal Pipe Size, in.	Max Working Pressure, psi (kPa)	Remarks
SDG 100	90° Elbow	Grooved	1-1/4, 1-1/2, 2, 2-1/2, 3, 4, 5, 6, 8, 10, 12	500 (3450)	a
			76, 139.7, 165 mm	500 (3445)	a
			1 76, 133 mm	500 (3445)	b
			267.4, 318.5 mm	300 (2070)	b

SDT 100	90° Elbow	NPT	1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 4	500 (3445)	a
			5, 6	300 (2070)	a
		BSP	1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 4	500 (3445)	a
			5, 6	300 (2070)	a
SDT 101	90° Reducing Elbow	NPT	1/2 x 1/4, 3/8 3/4 x 1/4, 3/8, 1/2 1 x 1/4 x 3/8, 1/2, 3/4 1-1/4 x 3/8, 1/2, 3/4, 1 1-1/2 x 1/2, 3/4, 1, 1-1/4 2 x 1/2, 3/4, 1, 1-1/4, 1-1/2 2-1/2 x 1/2, 3/4, 1, 1-1/4, 1-1/2, 2 3 x 1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2 4 x 1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 3	500 (3445)	a
			BSP	1/2 x 1/4, 3/8 3/4 x 1/4, 3/8, 1/2 1 x 1/4 x 3/8, 1/2, 3/4 1-1/4 x 3/8, 1/2, 3/4, 1 1-1/2 x 1/2, 3/4, 1, 1-1/4 2 x 1/2, 3/4, 1, 1-1/4, 1-1/2 2-1/2 x 1/2, 3/4, 1, 1-1/4, 1-1/2, 2 3 x 1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2 4 x 1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 3	500 (3445)
		6 x 4		300 (2070)	a
		SDG 101	90° Reducing Elbow	Grooved	6 x 4 88.9 x 76.1 mm 114.3 x 76.1 mm 165.1 x 114.3 mm
SDG 105	90° Short Radius Elbow	Grooved	2, 2-1/2, 3, 4, 6, 8 76, 139.1, 165mm	300 (2070)	a
			108, 159, 216.3 mm	300 (2070)	b
			114, 165 mm	365 (2510)	b
SDT 110	90° Street Elbow	NPT	1/2, 3/4, 1, 1-1/4, 1-1/2, 2 2-1/2, 3, 4	500 (3445)	a
			6	300 (2070)	a
		BSP	1/2, 3/4, 1, 1-1/4, 1-1/2, 2 2-1/2, 3, 4	500 (3445)	a
			6	300 (2070)	a
SDT 103	90° Reducing Street Elbow	BSP	3/4 x 1/2 1 x 3/4	500 (3445)	a
SDG 112	11.25° Elbow	Grooved	1-1/4, 1-1/2, 2, 3, 4, 6 76.1, 108, 139.7, 159, 165.1 mm	500 (3445)	b
		Grooved	8	300 (2070)	b
SDG 225	22.5° Elbow	Grooved	1-1/4, 1-1/2, 2, 3, 4, 6 73, 76.1, 108, 139.7, 159, 165.1 mm	500 (3445)	b
		Grooved	8	300 (2070)	b
SDG 200	45° Elbow	Grooved	1-1/4, 1-1/2, 2, 2-1/2, 3, 4, 5, 6, 8, 10, 12 76.1, 165 mm	500 (3450)	a
			1 108, 139.7, 159 mm	500 (3450)	a
			216.3, 267.4, 318.5 mm	300 (2070)	b
SDT 200	45° Elbow	NPT	1/2, 3/4, 1, 1-1/4, 1-1/2, 2 2-1/2, 3, 4	500 (3445)	a
			5, 6	300 (2070)	a
		BSP	1/2, 3/4, 1, 1-1/4, 1-1/2, 2 2-1/2, 3, 4	500 (3445)	a
			5, 6	300 (2070)	a

SDG 12	Equal Tee	Grooved	1-1/4, 1-1/2,, 2, 2-1/2, 3, 4, 5, 6, 8, 10, 12 76/1. 165 mm	500 (3450)	a
			1 76, 133, 139.7 mm	500 (3445)	b
			267.4 mm	300 (2070)	b
SDT 12	Equal Tee	NPT	1/2, 3/4, 1, 1-1/4, 1-12, 2 2-1/2, 3, 4	500 (3445)	a
			5, 6	300 (2070)	a
		BSP	1/2, 3/4, 1, 1-1/4, 1-12, 2 2-1/2, 3, 4	500 (3445)	a
			5, 6	300 (2070)	a
SDG 53	Reducing Tee	Grooved	2 x 1-1/2 3 x 1, 1-1/2, 2, 2-1/2 4 x 1, 2, 2-1/2, 3 5 x 2, 3, 4 6 x 2, 2-1/2, 3, 4, 5 8 x 2, 3, 4, 5, 6	500 (3450)	a
			2 x 1 2-1/2 x 1-1/2, 2 3 x 1-1/4 4 x 1-1/2 60 x 48 mm 76.1 x 42.4, 48.3, 60.3 mm 88.9 x 48, 60, 73, 76.1 mm 108 x 60.3, 73, 88.9 mm 114.3 x 34, 60, 73, 76.1, 88.9 mm 133 x 60.3, 76.1, 108, 114.3 mm 139.7 x 48.3, 60.3, 76.1, 88.9, 114.3, 141 x 114.3 mm 141 x 114.3 mm 159 x 60.3, 76.1, 88.9, 114.3, 133 mm 168 x 60, 73, 89, 114, 141 mm	500 (3450)	b
			10 x 6, 8 12 x 8, 10 165.1 x 60.3, 76.1, 88.9, 114.3, 133, 139.7, 159 mm 168.3 x 76.1, 139.7 mm 216.3 x 165.1 mm 219.1 x 60, 76.1, 89, 108, 114.3, 133, 139.7, 141.3, 159, 165.1, 168 mm 273 x 165.1 mm 323.9 x 165.1 mm	300 (2070)	b

SDT 53	Reducing Tee	NPT	<p>1/2 x 1/2 x 1/4, 3/8          1/2 x 1/4 x 1/2          1/2 x 3/8 x 1/2          3/4 x 3/4 x 1/4, 3/8, 1/2          3/4 x 1/2 x 1/2 x 3/4          1 x 1 x 1/4, 3/8, 1/2, 3/4          1 x 1/2 x 1/2, 3/4, 1          1 x 3/4 x 1/2, 3/4, 1          1-1/4 x 1/2 x 1/2, 3/4, 1, 1-1/4          1-1/4 x 3/4 x 3/4, 1, 1-1/4          1-1/4 x 1 x 1/2, 3/4, 1, 1-1/4,          1-1/2          1-1/4 x 1-1/4 x 3/8, 1/2, 3/4, 1          1-1/2 x 1/2 x 3/4, 1-1/2          1-1/2 x 3/4 x 1/2, 3/4, 1, 1-          1/4, 1-1/2          1-1/2 x 1 x 1/2, 3/4, 1, 1-1/4,          1-1/2          1-1/2 x 1-1/4 x 1/2, 3/4, 1, 1-          1/4, 1-1/2, 2          1-1/2 x 1-1/2 x 1/2, 3/4, 1, 1-          1/4          2 x 1/2 x 2          2 x 3/4 x 2          2 x 1 x 1, 1-1/2, 2          2 x 1-1/4 x 1, 1-1/4, 1-1/2, 2          2 x 1-1/2 x 1/2, 3/4, 1, 1-1/4,          1-1/2, 2          2 x 2 x 1/2, 3/4, 1, 1-1/4, 1-1/2          2-1/2 x 1-1/2 x 2, 2-1/2          2-1/2 x 2 x 2, 2-1/2          2-1/2 x 2-1/2 x 1/2, 3/4, 1, 1-          1/4, 1-1/2, 2          3 x 2 x 2, 3          3 x 3 x 1/2, 3/4, 1, 1-1/4, 1-          1/2, 2, 2-1/2          4 x 4 x 1/2, 3/4, 1, 1-1/4, 1-          1/2, 2, 2-1/2, 3</p>	500 (3445)	a
		BSP	<p>1/2 x 1/4, 3/8          3/4 x 1/4, 3/8, 1/2          1 x 1/4, 3/8, 1/2, 3/4          1-1/4 x 3/8, 1/2, 3/4, 1          1-1/2 x 3/8, 1/2, 3/4, 1, 1-1/4          2 x 3/8, 1/2, 3/4, 1, 1-1/4, 1-          1/2          2-1/2 x 3/4, 1/2, 1, 1-1/4, 1-          1/2, 2          3 x 1/2, 3/4, 1, 1-1/4, 1-1/2, 2,          2-1/2          4 x 1/2, 3/4, 1, 1-1/4, 1-1/2, 2,          2-1/2, 3          1/2 x 1/2 x 3/4, 1          3/4 x 3/4 x 1, 1-1/4          1 x 1 x 1-1/4 x 1-1/2, 2, 2-1/2          1-1/4 x 1-1/4 x 1-1/2, 2          1-1/2 x 1-1/2 x 2, 2-1/2          2 x 2 x 2-1/2          2-1/2 x 2-1/2 x 3, 4          3/4, 1 x 1/2 x 1/2          1-1/4, 1-1/2 x 3/4 x 3/4          1-1/4 x 1/2 x 1/2          1-1/4, 1-1/2, 2 x 1 x 1          1-1/2, 2 x 1-1/4 x 1-1/4          2 x 1-1/2 x 1-1/2          2-1/2, 3 x 2 x 2          3/4 x 1/2 x 3/4          1 x 1/2 x 1, 1 x 3/4 x 1, 1 x          1/4 x 1          1-1/4 x 1/2 x 1-1/4, 1-1/4, 1-          1/4 x 3/4 x 1-1/4, 1-1/4 x 1 x          1-1/4          1-1/2 x 1/2 x 1-1/2, 1-1/2 x          3/4 x 1-1/2, 1-1/2 x 1 x 1-1/2,          1-1/2 x 1-1/4 x 1-1/2          2 x 1/2 x 2, 2 x 3/4 x 2, 2 x 1 x          2, 2 x 1-1/4 x 2, 2 x 1-1/2 x 2          2-1/2 x 1-1/2 x 2-1/2, 2-1/2 x          2 x 2-1/2          3/4 x 1/2 x 1, 1 x 1/2 x 3/4, 1          x 3/4 x 1/2          1-1/4 x 1/2 x 3/4, 1          1-1/4 x 3/4 x 1/2, 1          1-1/4 x 1 x 1/2, 3/4          1-1/2 x 3/4 x 1, 1-1/4          1-1/2 x 1 x 1/2, 1-1/4          1-1/2 x 1-1/4 x 1/2, 3/4, 2          2 x 1 x 1-1/2          2 x 1-1/4 x 1, 1-1/22 x 1-1/2 x          3/4, 1, 1-1/4          2-1/2 x 2 x 1/2, 1, 1-1/4</p>	500 (3445)	a



SDG 13	Bullhead Tee	NPT	3/8 x 3/8 x 1/2 1/2 x 1/2 x 3/4, 1 3/4 x 3/4 x 1 1 x 1 x 1-1/4, 1-1/2, 2 1-1/4 x 1-1/4 x 1-1/2, 2 1-1/2 x 1-1/2 x 2 2 x 2 x 2-1/2	500 (3445)	a
	Equal Cross	Grooved	1-1/4, 1-1/2, 2, 2-1/2, 3, 4, 5, 6, 8, 10, 12 76.1, 165 mm	500 (3445)	a
			60, 73, 76, 89, 108, 114, 139.7, 141, 159, 165, 168 mm	500 (3445)	b
SDT 13	Equal Cross	NPT	219 mm	300 (2070)	b
			1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2- 1/2, 3, 4	500 (3445)	a
			5, 6	300 (2070)	a
SDG 13R	Reducing Cross	Grooved	1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2- 1/2, 3, 4	500 (3445)	a
			3 x 2 4 x 2, 3 8 x 2, 4 139.7 x 114.3 mm 159 x 114.3 mm 165.1 x 60.3, 76.1, 88.9, 114.3 mm	500 (3445)	b
			219.1, 139.7, 159, 165.1 mm	300 (2070)	b
SDT 51	Reducing Cross	NPT	3/4 x 1/2 1 x 3/4 1-1/4 x 3/4, 1 1-1/2 x 3/4, 1, 1-1/4 2 x 3/4, 1, 1-1/4, 1-1/2 2 x 1/2 x 1, 1-1/4, 1-1/2, 2 3 x 1, 1-1/4, 1-1/2, 2, 2-1/2 4 x 2-1/2, 3	500 (3445)	a
			BSP	3/4 x 1/2 1-1/2 x 3/4 1-1/4 x 1/2, 3/4, 1 1-1/2 x 1/2, 3/4, 1, 1-1/4 2 x 3/4, 1, 1-1/4, 1-1/2 2 x 1/2 x 1, 1-1/4, 1-1/2, 2 3 x 3/4, 1, 1-1/4, 1-1/2, 2 4 x 1, 1-1/4, 1-1/2, 2, 2-1/2, 3	500 (3445)
SDT 22	Coupling	NPT	1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2- 1/2, 3, 4	500 (3445)	a
		BSP	1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2- 1/2, 3, 4	500 (3445)	a
SDG 33	Eccentric Reducer	Grooved	5, 6	300 (2070)	a
			4 x 2, 3 6 x 3, 4 8 x 4 88.9 x 60.3 mm 108 x 76.1, 88.9 mm 114.3 x 76.1 mm 139.7 x 114.3 mm 159 x 108, 114.3 mm 165.1 x 88.9, 114.3, 139.7 mm 168.3 x 139.7 mm	300 (2070)	b
			219 x 168 mm 273 x 219 mm	365 (2510)	b
SDT 30	Reducing Socket	NPT	1/2 x 3/8 3/4 x 3/8, 1/2 1 x 3/8, 1/2, 3/4 1-1/4 x 1/2, 3/4, 1 1-1/2 x 1/2, 3/4, 1, 1-1/4 2 x 1/2, 3/4, 1, 1-1/4, -1/2 2-1/2 x 1-1/2, 2 3 x 1-1/2, 2, 2-1/2 4 x 2, 3	500 (3445)	a
			BSP	1/2 x 1/4, 3/8 3/4 x 1/4, 3/8, 1/2 1 x 1/4, 3/8, 1/2, 3/4 1-1/4 x 1/4, 3/8, 1/2, 3/4, 1 1-1/2 x 1/4, 3/8, 1/2, 3/4, 1, 1- 1/4 2 x 1/2, 3/4, 1, 1-1/4, 1-1/2 2-1/2 x 1/2, 3/4, 1, 1-1/4, 1-	500 (3445)

SDG 35	Concentric Reducer	Grooved	2 x 3/4, 1, 1-1/4, 1-1/2 2-1/2 x 1, 1-1/4, 1-1/2, 2 3 x 3/4, 1, 1-1/2, 2, 2-1/1 4 x 1, 1-1/2, 2, 2-1/2, 3 5 x 3, 4 6 x 1, 2, 2-1/2, 3, 4, 5 8 x 2-1/2, 3, 4, 5, 6	500 (3450)	a
	Concentric Reducer	Grooved	1-1/4 x 1 1-1/2 x 1, 1-1/2 4 x 1-1/4 5 x 2-1/2 76 x 42, 48, 60 mm 89 x 42, 76 mm 108 x 60.3, 73, 76 mm 114.3 x 76.1 mm 133 x 108, 114.3 mm 139.7 x 60.3, 76.1, 88.9, 114.3 mm 141 x 89, 114 mm 159 x 60.3, 76.1, 88.9, 108, 114.3, 133 mm 165.1 x 60.3, 76.1, 88.9, 114.3, 139.7 mm 168.3 x 76.1, 139.7 mm	500 (3450)	b
			216.3 x 114.3, 165.1 mm 219.1 x 108, 139.7, 159, 165.1 mm 273 x 159, 165.1, 168.3, 219.1 mm 322.9 x 219.1, 273 mm	300 (2070)	b
SDG 37	Concentric Reducer	Grooved x Female NPT	2 x 3/4, 1, 1-1/4, 1-1/2 2-1/2 x 1, 1-1/4, 1-1/2, 2 3 x 3/4, 1, 1-1/2, 2, 2-1/2 4 x 1, 1-1/2, 2, 2-1/2, 3 5 x 3, 4 6 x 2, 2-1/2, 3, 4, 5 8 x 2-1/2, 3, 4, 5, 6	500 (3450)	a
			4 x 1/2, 3/4, 1-1/2 8 x 1-1/2, 2 76 x 21, 27, 34, 42, 48, 60 mm 89 x 21, 76 mm 108 x 34, 42, 48, 60, 76, 89 mm 114 x 76 mm 133 x 48, 76 mm 139.7 x 27, 34, 42, 48, 60, 76, 89, 114 mm 141.3 x 89, 114 mm 159 x 27, 34, 42, 48, 60, 89, 114 mm 165 x 21, 27, 34, 42, 48, 60, 76, 89, 114 mm 219 x 76 mm	500 (3450)	b
SDT 57	Bushing	NPT	1/2 x 1/4, 3/8 3/4 x 3/8, 1/2 1 x 1/2, 3/4 1-1/4 x 1/2, 3/4, 1 1-1/2 x 3/8, 1/2, 3/4, 1, 1-1/4 2 x 3/8, 1/2, 3/4, 1, 1-1/4, 1- 1/2 2-1/2 x 1/2, 3/4, 1, 1-1/4, 1- 1/2, 2 3 x 1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2 3-1/2 x 2-1/2, 3 4 x 3/4, 1, 1-1/4, 1-1/2, 2, 2- 1/2, 3, 3-1/2	500 (3445)	a
			5 x 2, 3, 4 6 x 2, 2-1/2, 3, 3-1/2, 4, 5	300 (2070)	a
		BSP	1/2 x 1/4, 3/8 3/4 x 1/4, 3/8, 1/2 1 x 1/4, 3/8, 1/2, 3/4 1-1/4 x 1/4, 3/8, 1/2, 3/4, 1 1-1/2 x 1/4, 3/8, 1/2, 3/4, 1, 1- 1/4 2 x 1/4, 3/8, 1, 1-1/4, 1-1/2 2-1/2 x 1/2, 3/4, 1-1/2, 2 3 x 2, 2-1/2 3-1/2 x 3 4 x 3/4, 1, 1-1/4, 1-1/2, 3	500 (3445)	a
			5 x 3, 4 6 x 2, 2-1/2, 5	300 (2070)	a

SDT 111	Hex Nipple Reducing	BSP	1/2 x 1/4, 3/8 3/4 x 1/4, 3/8, 1/2 1 x 1/2, 3/4 1-1/4 x 1/2, 3/4, 1 1-1/2 x 1/2, 3/4, 1, 1-1/4 2 x 1/2, 3/4, 1, 1-1/4, 1-1/2 2-1/2 x 1, 1-1/4, 1-1/2 3 x 1-1/2, 2, 2-1/2 4 x 2, 4 x 2-1/2, 4 x 3	500 (3445)	a
SDG 14	End Cap	Grooved	1-1/4, 1-1/2, 2, 2-1/2, 3, 4, 5, 6, 8, 10, 12 76.1, 165 mm	500 (3450)	a
			1-1/4, 1-1/2, 2, 2-1/2, 3, 4, 5, 6, 8, 10, 12 76.1, 89, 114, 140, 165 mm	500 (3450)	b
SDT 14	End Cap	NPT	1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 1/2, 3, 4	500 (3445)	a
			5, 6	300 (2070)	a
		BSP	1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 1/2, 3, 4	500 (3445)	a
			5, 6	300 (2070)	a
SDG 16	Flange Adapter	Flanged x Grooved	2, 2-1/2, 3, 4, 5, 6, 8 76.1, 165 mm	500 (3450)	a
			1, 1-1/4, 1-1/2, 10, 12 108, 133, 139.7, 159 mm	300 (2070)	a
			60, 73, 76.1, 89, 114 mm	365 (2510)	b
			139.7, 141.3, 165, 168, 219, 273, 324 mm	225 (1550)	b
SDT 59F	Union Flat Seat without gasket	BSP	1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 1/2, 3, 4	500 (3445)	a
SDT 59C	Union Conical Joint Iron to Iron	BSP	1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 1/2, 3, 4	500 (3445)	a
SDG 102	Short Radius Tee	Grooved	2, 2-1/2, 3, 4, 6, 8 76, 139.7, 165 mm	300 (2070)	a
			108, 159, 216.3 mm	300 (2070)	b
			114, 165 mm	365 (2510)	b

SDT 11	Hex Nipple	NPT	1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2	500 (3445)	a
		BSP	1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 4	500 (3445)	a
			5, 6	300 (2070)	a

**Remarks:**

a. Malleable Iron Fittings

b. Ductile Iron Fittings

## Details

<b>Category</b>	Pipe Fittings
<b>Class of Work</b>	1920 - Coupling & Fitting, All Type
<b>Approval Standard</b>	FM 1920 - Pipe Couplings and Fittings for Aboveground Fire Protection Systems
<b>Certification Type</b>	FM Approved
<b>Listing Country</b>	United Kingdom

## Company

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