



SHORTSTOPP® Welding Fittings and SHORTPLUG™ with Guide Bars

Sizes 4- to 12-inch



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■ **SHORTSTOPP® Welding Fittings**
and **SHORTPLUG™ with Guide Bars**
Sizes: 4- to 12-inch

Description

SHORTSTOPP® Welding Fittings and SHORTPLUG™ with Guide Bars are designed for use with TDW SHORTSTOPP Plugging Machine systems. They are used for main relocations, equipment tie-ins, lateral connections, line extensions, crossovers, and purge and equalization – all without temporary bypass or shutdown.

The design of the 4- to 12-inch (DN 100 - DN 300) Type IIA Welding Fitting requires a reusable bolt-on flange adapter for TDW SHORTCUTT® and SHORTSTOPP Valves.

SHORTSTOPP Welding Fittings and SHORTPLUG with Guide Bars are offered standard in the size-on-size configuration. Consult factory for applications other than size-on-size.

Features

When used with SHORTSTOPP Plugging Machines, the maximum recommended working pressure and temperature should be limited to that of the plugging equipment, but not exceeding that of the fitting itself.

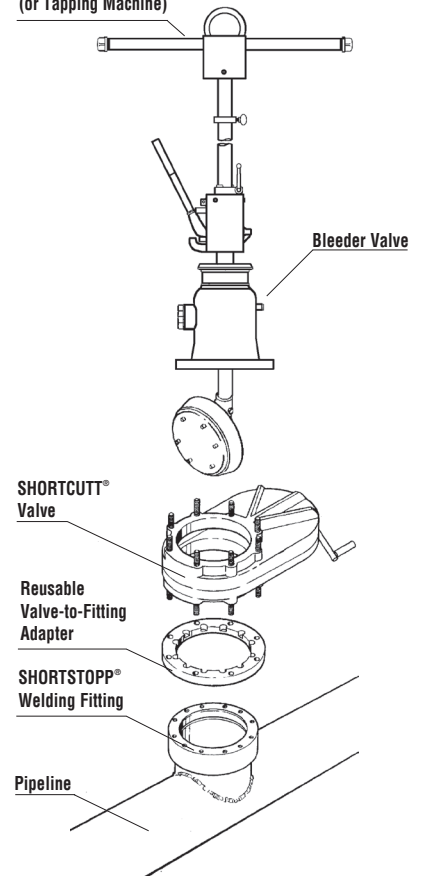
With the plugging equipment removed, the maximum working pressure is 285 psi (20 bar) at 100°F (38°C) or 245 psi (17 bar) at 180°F (82°C) per ASME B31.4. See chart on page 3 for MOAP per ASME B31.8.

4- to 12-inch Nipple: A106 GR B SMLS Steel Pipe
O-Ring: Buna-N

■ Typical SHORTSTOPP® Setup

4- to 12-inch (100 mm - 300 mm)

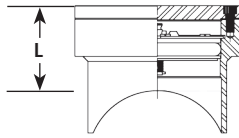
SHORTSTOPP® II
Plugging Machine
(or Tapping Machine)



The design of the 4- to 12-inch (100 mm - 300 mm) Type IIA Welding Fitting requires a reusable bolt-on flange adapter which adapts the fitting to TDW SHORTCUTT® Valves.



SHORTSTOPP® Welding Fittings and SHORTPLUG™ with Guide Bars



■ 4- to 12-inch



■ 4- to 12-inch Welding fitting includes cover flanges with bolts, gasket and plastic caplugs, SHORTPLUG™ with Guide Bars, O-ring and flanged nipple.

Dimensions

Inches	Size		L	
	DN	Inches	mm	
4	100	4-3/8	111	
6	150	5-3/16	132	
8	200	5-5/16	135	
10	250	6	152	
12	300	6	152	

Valve-to-Fitting Adapters for 4- to 12-inch

Inches	Size		Weight		Part Number
	DN	Lbs.	Kg.		
4	100	10	5	06-5724-0001-00	
6	150	13	6	06-5724-0002-00	
8	200	25	11	06-5724-0003-00	
10	250	40	18	06-5724-0010-00	
12	300	55	25	06-5724-0011-00	
4 x 6	100 x 150	18	8	06-5724-0007-00	
6 x 8	150 x 200	28-1/2	13	06-5724-0004-00	
8 x 10	200 x 250	44	20	06-5724-0009-00	
10 x 12	250 x 300	70	32	06-5724-0012-00	

The 4- x 6-, 6- x 8-, 8- x 10- and 10- x 12-inch adapters are used to adapt the valve to the next smaller fittings.



SHORTSTOPP® Welding Fittings and SHORTPLUG™ with Guide Bars

SHORTSTOPP® Welding Fittings for Use with PROSTOPPDS™, SHORTSTOPP® II, and SHORTSTOPP® 275 Plugging Machines

Size		Weight		Part Number	Maximum allowable operating pressure (in psi) per ASME B31.8 at -20 to +100° F			
Inches	DN	Lbs.	Kg.		Design Factor			
					0.72	0.6	0.5	0.4
4	100	20	9	26-1535-0402-11	285	285	285	285
6	150	45	20	26-1535-0602-11	285	285	285	285
8	200	75	34	26-1535-0802-11	285	285	285	275
10	250	115	52	26-1535-1002-11	285	285	285	240
12	300	140	64	26-1535-1202-11	285	285	275	220

Minimum Pipe Wall Thicknesses (Inches)

Size Inches	Header Pipe OD	Design Factor Min. Pipe Wall Thickness			
		0.72	0.60	0.50	0.40
4	4.500	0.051	0.061	0.073	0.092
6	6.625	0.075	0.090	0.108	0.135
8	8.625	0.098	0.177	0.140	0.176
10	10.750	0.122	0.146	0.175	0.219
12	12.750	0.144	0.173	0.208	0.260

Spare O-Rings & Gaskets

Size Inches	DN	Spare O-Rings	Spare Gaskets
		Part Number	Part Number
4	100	00-1250-0001	00-5238-0004-01
6	150	00-1250-0002	00-5238-0006-01
8	200	00-1250-0003	00-5238-0008-01
10	250	00-1250-0004	00-5238-0010-01
12	300	00-1250-0005	00-5238-0012-01

Note: The TDW fitting provides sufficient material wall thickness for itself and in many cases reinforcement for the branch opening in the pipe. However, the chart above specifies minimum wall thickness of the pipe for self reinforcement. (Based on 35,000 PSI SMYS)

SHORTSTOPP® Welding Fittings and SHORTPLUG™ with Guide Bars

4-inch Spool Adapter, 06-1165-0176-00

(required to set the SHORTPLUG™ with Guide Bars)

Equipment	Housing	Required
SHORTSTOPP® II	08-3347-0000	Yes
SHORTSTOPP® II	08-3352-0000	Yes
SHORTSTOPP® 275	06-1542-0000	Yes
SHORTSTOPP® 275	08-0941-0000	No
SHORTSTOPP® 275	08-1748-0000	No

12-inch Spool Adapter, 06-1165-0180-00

(required to set the 10-inch SHORTPLUG™ with Guide Bars)

Equipment	Housing	Required
PROSTOPP DS™	08-0945-0000	No
SHORTSTOPP® II	08-3351-0000	Yes
SHORTSTOPP® 275	06-1546-0000	No
SHORTSTOPP® 275	08-0945-0000	No

6-inch Spool Adapter, 06-1165-0177-00

(required to set the SHORTPLUG™ with Guide Bars)

Equipment	Housing	Required
PROSTOPP DS™	08-0942-0000	Yes
SHORTSTOPP® II	08-3348-0000	Yes
SHORTSTOPP® II	08-3353-0000	Yes
SHORTSTOPP® 275	06-1543-0000	no
SHORTSTOPP® 275	08-0942-0000	No

12-inch Spool Adapter, 06-1165-0180-00

(required to set the SHORTPLUG™ with Guide Bars)

Equipment	Housing	Required
PROSTOPP DS™	08-0945-0000	No
SHORTSTOPP® II	08-3351-0000	No
SHORTSTOPP® 275	06-1546-0000	No
SHORTSTOPP® 275	08-0945-0000	No

8-inch Spool Adapter, 06-1165-0178-00

(required to set the SHORTPLUG™ with Guide Bars)

Equipment	Housing	Required
PROSTOPP DS™	08-0943-0000	Yes
SHORTSTOPP® II	08-3349-0000	Yes
SHORTSTOPP® II	08-3350-0000	No
SHORTSTOPP® 275	06-1544-0000	No
SHORTSTOPP® 275	08-0943-0000	No