

# STOPPLE® Fittings

## And Reduced Branch Split Tees 0.5DF

Sizes 4- to 12-inch



T.D. Williamson

Bulletin No: 1100.001.06

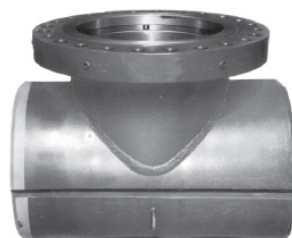
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■ STOPPLE® Fitting  
Type B (Extruded Branch)  
Sizes 4" through 30"



■ STOPPLE® Fitting  
Type C (Welded Branch)\*  
Sizes 32" and larger

### Description

STOPPLE® Fittings are full-branch split tees designed for use with TDW plugging machines. The design has undergone extensive strain-gauge and pulsation testing. The average cyclic lives of the fittings are 30% greater than other designs tested. STOPPLE Fittings are furnished with LOCK-O-RING® Flanges drilled and faced to match ASME Class 150 or 300 flanges. Other ASME Class ratings are available upon request.

0.5 Design Factor extruded reduced branch split tee fittings are furnished with LOCK-O-RING Flanges with the option of flow through rings with guide bars to maintain pigability of the line.

### Features

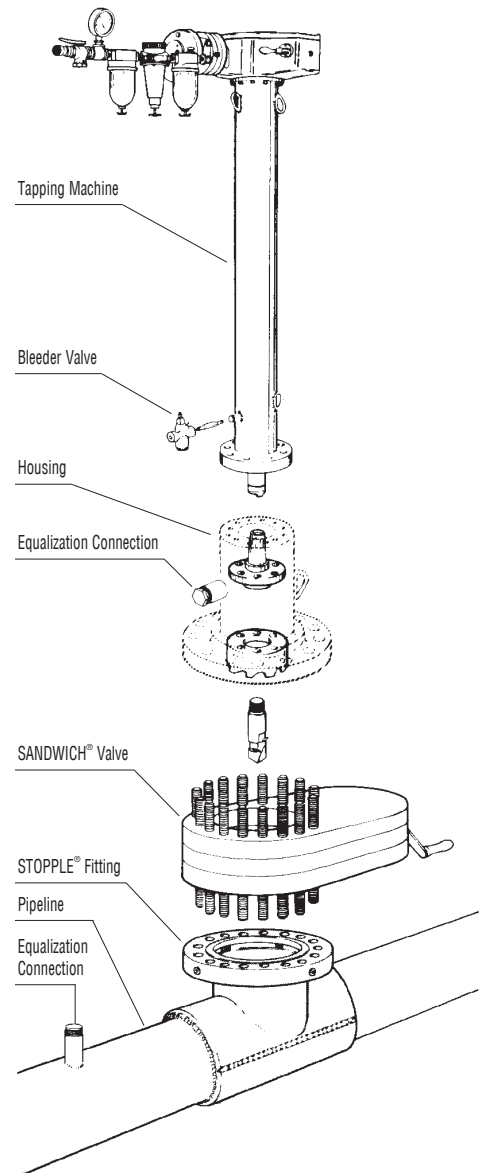
Factory welding of TDW STOPPLE fittings is 100% radiographically inspected at all TDW manufacturing plants except Nivelles, Belgium, where 100% ultrasonic examination is used.

### Option



■ Reducing Branch Fitting, 0.5DF 4-12 in.

### Typical Tapping Setup For Plugging Operation





# STOPPLE® Fittings

## Class 150

Maximum allowable operating pressure (in psi) per ASME B31.8 at -20 to +100° F

Inches <sup>1</sup>	DN	lbs.	kg.	Design factor				Part Number
				0.72	0.6	0.5	0.4	
14	350	400	182	285	285	285	285	06-8807-1415
14	350	400	182	285	285	285	285	36-1043-1415-X1 <sup>2</sup>
14	350	400	182	285	285	285	285	36-1045-1415-X1 <sup>3</sup>
18	450	760	345	285	285	285	285	36-1043-1815-X1 <sup>2</sup>
18	450	760	345	285	285	285	285	36-1045-1815-X1 <sup>3</sup>
20	500	1000	454	285	285	262	285	36-1043-2015-X1 <sup>2</sup>
20	500	1000	454	285	285	262	285	36-1045-2015-X1 <sup>3</sup>
22	550	940	426	285	285	285	238	06-8807-2215
24	600	1605	728	285	279	233	186	06-8807-2415
26	650	1340	608	285	285	285	259	06-8807-2615
28	700	1465	665	285	285	250	200	06-8807-2815
30	750	2895	1303	285	285	285	248	06-8807-3015
34	850	2320	1044	285	285	258	206	06-8807-3415
36	900	2780	1251	285	285	239	191	06-8807-3615
40	1000	--	--	--	--	--	--	-- <sup>4</sup>
42	1050	--	--	--	--	--	--	-- <sup>4</sup>
48	1200	--	--	--	--	--	--	-- <sup>4</sup>

Maximum Allowable Operating Pressure per ASME B31.4 at -20 to +180° F = 285 psi

1. For sizes 4- through 12-inch and 16-inch sizes, see bulletins 1100.005.01 and 1100.006.01.
2. For B31.4 applications. 0.72 and 0.6 Design Factor only.
3. For B31.8 applications
4. Consult the factory.

## Class 300

Maximum allowable operating pressure (in psi) per ASME B31.8 at -20 to +100° F

Inches <sup>1</sup>	DN	lb.	kg.	Design Factor				Part Number
				0.72	0.6	0.5	0.4	
14	350	400	182	740	740	720	575	36-1043-1430-X1 <sup>2</sup>
14	350	400	182	740	740	720	575	36-1045-1430-X1 <sup>3</sup>
18	450	780	354	740	710	595	475	36-1043-1830-X1 <sup>2</sup>
18	450	780	354	740	710	595	475	36-1045-1830-X1 <sup>3</sup>
20	500	1050	477	740	630	525	420	36-1043-2030-X1 <sup>2</sup>
20	500	1050	477	740	630	525	420	36-1045-2030-X1 <sup>3</sup>
22	550	975	442	740	641	534	427	06-8807-2230
24	600	1690	767	740	740	627	502	06-8807-2430
26	650	1540	699	740	740	646	517	06-8807-2630
28	700	1950	885	740	625	520	415	06-8807-2830
30	750	2985	1343	740	740	740	672	06-8807-3030
34	850	3065	1379	740	685	570	455	06-8807-3430
36	900	3780	1701	740	700	580	465	06-8807-3630
40	1000	--	--	--	--	--	--	-- <sup>4</sup>
42	1050	--	--	--	--	--	--	-- <sup>4</sup>
48	1200	--	--	--	--	--	--	-- <sup>4</sup>

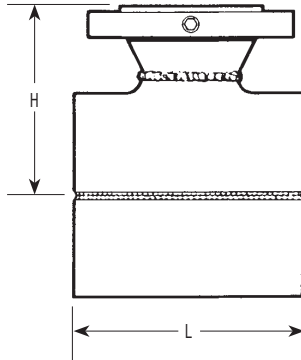
Maximum Allowable Operating Pressure per ASME B31.4 at -20 to +180° F = 740 psi

1. For sizes 4- through 12-inch and 16-inch sizes, see bulletins 1100.005.01 and 1100.006.01.
2. For B31.4 applications. 0.72 and 0.6 Design Factor only.
3. For B31.8 applications
4. Consult the factory.



# STOPPLE® Fittings & Reduced Branch Split Tees

## Reducing Branch Fitting



## Reducing Branch Split Tees (Hot Drawn) with LOCK-O-RING® Flanges

Class 600		Maximum allowable operating pressure (in psi) per ASME B31.8 at -20 to +100° F									
Size		Dimension L		Dimension H		Weight		Part Number	Design Factor		
Inches	DN	in.	mm	in.	mm	lb.	kg.		0.72	0.60	0.40
6 x 4	150 x 100	10.750	273	8.375	213	75	34	06-8812-0604	1480	1480	1035
8 x 4	200 x 100	10.750	273	9.375	238	80	36	06-8812-0804	1480	1235	825
10 x 6	250 x 150	14.000	356	11.250	286	140	64	06-8812-1006	1480	1305	870
12 x 6	300 x 150	14.000	356	12.438	316	170	77	06-8812-1206	1480	1260	840
14 x 8	350 x 200	16.500	419	13.688	348	245	111	06-8812-1408	1480	1230	820
16 x 12	400 x 300	24.000	610	15.938	405	485	220	06-8812-1612	1480	1270	847
20 x 12	500 x 300	24.000	610	18.312	465	605	274	06-8812-2012	1480	1270	847

## Reducing Branch Split Tees (Hot Drawn) with LOCK-O-RING® Flanges with the Option of Flow-Through Rings

Class 600		Maximum allowable operating pressure (in psi) per ASME B31.3, B31.4 at -20 to +100° F									
Size		Dimension L		Dimension H		Weight		Part Number	Design Factor		
Inches	DN	in.	mm	in.	mm	lb.	kg.		0.5		
4 x 4	100 x 100	10.750	273	7.266	185	61	28	12308786	1480		
6 x 4	150 x 100	10.750	273	8.798	224	44	20	12308781	1480		
8 x 4	200 x 100	10.750	273	9.938	252	44	20	12308766	1480		
10 x 4	250 x 100	10.750	273	11.188	284	141	64	12308748	1480		
12 x 4	300 x 100	10.750	273	12.454	316	46	21	12308585	1480		
6 x 6	150 x 150	14.000	356	9.360	248	130	59	12308741	1480		
8 x 6	200 x 150	14.000	356	10.501	267	160	73	12308734	1480		
10 x 6	250 x 150	14.000	356	11.688	297	200	91	12308724	1480		
12 x 6	300 x 150	14.000	356	12.954	329	240	109	12308577	1480		
8 x 8	200 x 200	16.500	419	11.001	279	210	95	12308397	1480		
10 x 8	250 x 200	16.500	419	12.438	316	270	122	12308426	1480		
12 x 8	300 x 200	16.500	419	13.704	348	320	145	12308430	1480		
10 x 10	250 x 250	20.000	508	13.376	340	190	86	12308244	1480		
12 x 10	250 x 250	20.000	508	14.766	375	420	191	12308308	1480		
12 x 12	300 x 300	22.000	560	14.954	380	470	213	12307677	1480		



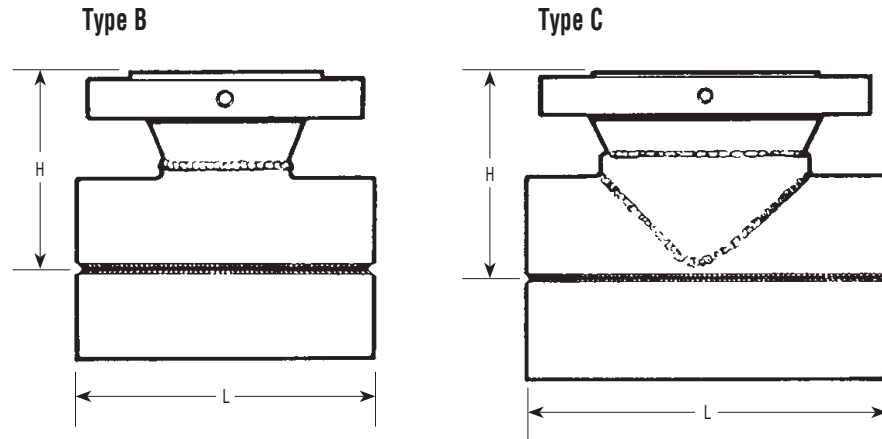
# STOPPLE® Fittings

## Description of Fittings

**Type B:** Hot-drawn, full-branch opening, snug-fitting sleeve and a LOCK-O-RING® Flange of the desired series.

**Type C:** Fabricated full-size nipple, branch outlet welded to snug-fitting sleeve and a LOCK-O-RING Flange of the desired series.

**Reducing-Branch Split Tee:** Hot-drawn, reduced-branch opening, snug-fitting sleeve and a LOCK-O-RING Flange or standard weld-neck flange of the desired series.



Standard cataloged Class 600 STOPPLE® fittings and Class 600 reduced-branch fittings are designed for working pressure of 1480 psi (102 bar) with a design factor F of .72 per ASME B31.8-1995 and B31.4-1992. Consult the factory for fittings for other applications or design factors.

## Dimensions

Size		Type	L (All Series)		H (Class 150)		H (Class 300)		--	
Inches	DN		in.	mm	in.	mm	in.	mm	inches	mm
14	350	B	26.000	660	13.922	354	13.922	354	--	--
18	450	B	33.000	838	17.546	446	17.546	446	--	--
20	500	B	36.000	914	19.046	484	19.046	484	--	--
22	550	C	40.000	1016	19.125	477	20.312	507	--	--
24	600	B	43.000	1092	20.500	512	21.938	547	--	--
26	650	C	<sup>1</sup> 47.000	1194	21.250	530	22.500	562	--	--
28	700	C	49.000	1245	22.688	565	23.812	595	--	--
30	750	B	56.000	1423	24.562	612	25.000	632	--	--
34	850	C	61.000	1541	27.188	677	27.750	692	--	--
36	900	C	65.000	1651	28.438	710	29.062	725	--	--
40	1000	C	--	--	--	--	--	--	--	--
42	1050	C	--	--	--	--	--	--	--	--
48	1200	C	--	--	--	--	--	--	--	--

NOTE: Flanges in sizes 10" (250 mm) and below are drilled and faced according to ANSI B16.5. Flanges above 10" (250 mm) are drilled and faced according to MSS-SP44. When ordering replacement fittings, please specify fitting equipped with flanges which will fit existing hot tap or STOPPLE® equipment.