

STOPPLE® & STOPPLE® Plus Fittings

with the ProSeries Advantage

Sizes 4- to 36-inch, Class 600



T.D. Williamson

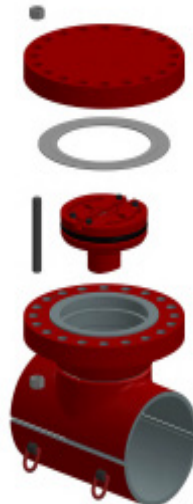
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■ STOPPLE® Fitting



■ STOPPLE® Plus Fitting

Description

STOPPLE® and STOPPLE® Plus full-branch split tee fittings Class 600 with the ProSeries Advantage are designed for use with TDW STOPPLE® and STOPPLE® Train plugging system (except 4-inch). There are options to meet ASME B31.3/B31.4/B31.8 and CSA Z662 CAT I and CAT II specifications for use in piping, pipeline transportation and gathering systems for liquid, gas hydrocarbons and other fluids as well as refining locations.

STOPPLE and STOPPLE Plus fittings are furnished with LOCK-O-RING® and LOCK-O-RING® Plus flanges to accept LOCK-O-RING and LOCK-O-RING Plus completion plugs, respectively, permitting removal of the tapping valve after work is completed.

The TDW ProSeries Advantage means faster delivery times and broader standard code compliance

Features

Flange-to-sleeve weld-joints and sleeves are designed to meet pressure and reinforcement requirements of ASME and CSA codes and are available in Class 600. Other ASME Class ratings available upon request.

Most fittings are manufactured with a controlled maximum carbon equivalent of 0.43 to make welding easier in harsh environments. Back-up strips are standard and provided for all fittings.

All pressure-containing welds on the fittings have undergone X-ray inspection per ASME and API requirements.

Fitting sleeves are manufactured from a pressure-vessel quality, normalized and killed carbon steel plate with a hardness below 22 HRC.

The charpy impact value of the sleeves at -58°F (-50°C) is 28 J min / 37 J min-avg.

Standard fittings and completion plugs are fitted with Nitrile O-rings compatible with most pipeline products between -20°F to 250°F. The low temp fittings and completion plugs are fitted with low temperature FKM O-rings compatible with most pipeline products between -50°F to 400°F. All materials used meet ASME B31.3 and 31.8 requirements.

LOCK-O-RING and LOCK-O-RING Plus completion plugs come standard with welded scarfed nipples allowing coupon to be attached and maintain piggability.

Options

System kits contain the fitting, completion plug, and blind flange, gasket, and bolting.

The following configurations are available: Tapped blind flanges, blind flanges with lifting lugs, Magnetic particle testing for fittings, Buy America, & alternative O-ring types.

All fittings and associated products were developed to meet or exceed market lead times.

STOPPLE Fittings - Standard

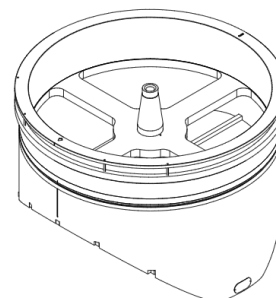
Size		Weight		Maximum Allowable Operating Pressure (in psi) Per					Part Number	
INCHES	DN	Lbs.	Kg.	ASME B31.4 and ASME B31.8 at +250°F (121°C)				ASME B31.3 at +250°F (121°C)	Fitting	System Kit
4x4	100x100	70	32	1480	1480	1480	1455	1480	12393717	12393754
6x6	150x150	105	48	1480	1450	1205	965	1125	12392994	12393032
8x8	200x200	161	73	1480	1222	1018	825	895	12393066	12393324
10x10	250x250	292	132	1480	1267	1055	845	915	12393058	12393326
12x12	300x300	386	175	1480	1242	1035	828	675	12393071	12393329
14x14	350x350	475	215	1480	1230	1025	820	910	12393288	12394197
16x16	400x400	685	310	1480	1285	1070	855	955	12393289	12394198
18x18	450x450	900	408	1480	1295	1080	865	960	12393290	12394199
20x20	500x500	1190	539	1480	1320	1100	880	965	12393291	12394200
22x22	550x550	1650	747	1480	1470	1225	980	1080	12393292	12394201
24x24	600x600	1910	865	1480	1345	1120	895	990	12393293	12394202
26x26	650x650	2380	1078	1480	1330	1110	885	990	12393255	12394214
30x30	750x750	3250	1474	1480	1250	1040	830	930	12393261	12394203

STOPPLE Plus Fittings - Standard

Size		Weight		Maximum Allowable Operating Pressure (in psi) Per					Part Number	
INCHES	DN	Lbs.	Kg.	ASME B31.4 and ASME B31.8 at +250°F (121°C)				ASME B31.3 at +250°F (121°C)	Fitting	System Kit
4x4	100x100	55	25	1480	1480	1480	1455	1480	12393715	12393766
6x6	150x150	105	48	1480	1480	1295	1035	1140	12393003	12393173
8x8	200x200	159	72	1480	1235	1030	825	910	12393075	12393335
10x10	250x250	280	127	1480	1305	1085	870	950	12393074	12393336
12x12	300x300	382	173	1480	1260	1050	840	920	12393081	12393337
14x14	350x350	463	210	1480	1230	1025	820	910	12393309	12393620
16x16	400x400	677	307	1480	1285	1070	855	955	12393310	12394030
18x18	450x450	898	407	1480	1295	1080	865	960	12393311	12394069
20x20	500x500	1189	539	1480	1320	1100	880	965	12393312	12394071
22x22	550x550	1584	718	1480	1470	1225	980	1080	12393313	12394077
24x24	600x600	1874	849	1480	1345	1120	895	990	12393314	12394066
26x26	650x650	2379	1078	1480	1330	1110	885	990	12393285	12394055
30x30	750x750	3187	1444	1480	1250	1040	830	930	12393287	12394048

LOCK-O-RING Flow Through Ring - Standard

Size	Part Number	Use w/ Fitting	Tapping Machine (for use with)
4	12394650	12393717	660/760/860
6	12394651	12392994	660/760/860
8	12394652	12393066	660/760/860
10	12394653	12393058	660/760/860
12	12394654	12393071	660/760/860
12	12394655	12393071	936/1200
14	12394656	12393288	660/760/860
16	12394657	12393289	660/760/860
16	12394658	12393289	936/1200
18	12394659	12393290	936/1200
20	12394660	12393291	936/1200
22	12394661	12393292	936/1200
24	12394662	12393293	936/1200
26	12394663	12393255	936/1200
30	12394664	12393261	936/1200



LOCK-O-RING Flow Through Ring - Low Temp

Size	0.72 Part Number	Use w/ Fitting (0.72)	0.50 Part Number	Use w/ Fitting (0.50)	Tapping Machine (for use with)
4	12372114	12330000	12372114	12330026	660/760/860
6	12368984	12330001	12369018	12330027	660/760/860
8	12369088	12330002	12369089	12330028	660/760/860
10	12358775	12330003	12369368	12330029	660/760/860
12	12369419	12330004	12369388	12330030	660/760/860
12	12370227	12330004	12370226	12330030	936/1200
14	12348161	12330005	12369548	12330031	660/760/860
14	12370242	12330005	12370241	12330031	936/1200
16	12369569	12330006	12369568	12379343	660/760/860
16	12370256	12330006	12370257	12379343	936/1200
18	12360112	12330007	12360112	12379344	936/1200
20	12358063	12330008	12358063	12375688	936/1200
22	12357832	12330009	12357832	12379345	936/1200
24	12342898	12330010	12342898	12375686	936/1200
26	12378407	12375701	12378407	12375701	936/1200
30	12343189	12330011	12343189	12375678	936/1200
36	12382456	12330012	12382456	12386285	936/1200

STOPPLE® Fittings - Low Temperature

Maximum Allowable Operating Pressure (in psi) Per ASME B31.4 (-20°)/
B31.8 / CSA Z662 CAT I & II

Size		Weight (Kit)		Fitting Sleeve Thickness (inches)		ASME B31.3 at +250°F	Part Number	
INCHES	DN	Lbs.	Kg.	0.72			Fitting	System Kit
4	100x100	62	28	1480	0.375	1480	12330000	12334630
6	150x150	109	49	1480	0.375	1140	12330001	12334631
8	200x200	164	74	1480	0.375	910	12330002	12334632
10	250x250	287	130	1480	0.500	955	12330003	12334633
12	300x300	386	175	1480	0.625	920	12330004	12334634
14	350x350	474	215	1480	0.625	910	12330005	12334635
16	400x400	728	330	1480	0.750	955	12330006	12334636
18	450x450	923	418	1480	0.875	960	12330007	12334637
20	500x500	1220	553	1480	1.000	965	12330008	12334638
22	550x550	1653	749	1480	1.250	1080	12330009	12334639
24	600x600	1960	888	1480	1.250	990	12330010	12334640
30	750x750	3327	1507	1480	1.375	930	12330011	12334641
36	900x900	5433	2461	1480	1.750	1480	12330012	12334642

Maximum Allowable Operating Pressure (in psi) Per ASME B31.4 (-20°)/
B31.8 / CSA Z662 CAT I & II

Size		Weight		Fitting Sleeve Thickness (inches)		ASME B31.3 at +250°F	Part Number	
INCHES	DN	Lbs.	Kg.	0.5			Fitting	System Kit
4	100x100	62	28	1480	0.375	1480	12330026	12381847
6	150x150	131	59	1480	0.375	1480	12330027	12381848
8	200x200	214	97	1480	0.375	1480	12330028	12381849
10	250x250	364	165	1480	0.500	1480	12330029	12381850
12	300x300	495	224	1480	0.625	1480	12330030	12381851
14	350x350	600	272	1480	0.625	1480	12330031	12381852
16	400x400	1497	678	1480	0.750	1394	12379343	12379347
18	450x450	1882	853	1480	0.875	1480	12379344	12379348
20	500x500	2480	1123	1480	1.000	1480	12375688	12378044
22	550x550	3265	1479	1480	1.250	1480	12379345	12379349
24	600x600	1960	888	1480	1.250	1480	12375686	12378045
26	650x650	5075	2299	1480	1.250	1480	12375701	12379001
30	750x750	6757	3061	1480	1.375	1480	12375678	12378046
36	900x900	11550	5232	1480	1.750	1360	12386285	12386286

All fittings have a corrosion allowance of 0. All materials and welding procedures are NACE MR0175 compliant.
Flange material is ASTM A707 L2 CL2 / A350 LF2 CL1. All sleeve material is ASTM A537 CL1

* 3/8 NPT threaded connections in blind flange center that allows pressure gauge or valve installation.

STOPPLE® Plus Fittings - Low Temperature

Maximum Allowable Operating Pressure (in psi) Per ASME B31.4 (-20°)/ B31.8 / CSA Z662 CAT I & II

Size		Weight					Part Number	
INCHES	DN	Lbs.	Kg.	0.72	Fitting Sleeve Thickness (inches)	ASME B31.3 at +250°F	Fitting	System Kit
4	100x100	56	25	1480	0.375	1480	12330013	12334643
6	150x150	106	48	1480	0.375	1140	12330014	12334644
8	200x200	159	72	1480	0.375	910	12330015	12334645
10	250x250	280	127	1480	0.500	955	12330016	12334646
12	300x300	380	172	1480	0.625	920	12330017	12334647
14	350x350	463	210	1480	0.625	910	12330018	12334648
16	400x400	682	309	1480	0.750	955	12330019	12334649
18	450x450	898	407	1480	0.875	960	12330020	12334650
20	500x500	1189	539	1480	1.000	965	12330021	12334651
22	550x550	1601	725	1480	1.250	1080	12330022	12334652
24	600x600	1890	856	1480	1.250	990	12330023	12334653
30	750x750	3186	1443	1480	1.375	930	12330024	12334654
36	900x900	5367	2431	1480	1.750	1480	12330025	12334655

Maximum Allowable Operating Pressure (in psi) Per ASME B31.4 (-20°)/ B31.8 / CSA Z662 CAT I & II

Size		Weight					Part Number	
INCHES	DN	Lbs.	Kg.	0.5	Fitting Sleeve Thickness (inches)	ASME B31.3 at +250°F	Fitting	System Kit
4	100x100	55	25	1480	0.375	1480	12330039	12382033
6	150x150	128	58	1480	0.375	1480	12330040	12382034
8	200x200	212	96	1480	0.375	1480	12330041	12382035
10	250x250	360	163	1480	0.500	1480	12330042	12382036
12	300x300	490	222	1480	0.625	1400	12330043	12382037
14	350x350	589	267	1480	0.625	1480	12330044	12382038
16	400x400	1550	702	1480	0.750	1286	12388374	12388376
18	450x450	1950	883	1480	0.875	1480	12388343	12388344
20	500x500	2625	1189	1480	1.000	1480	12375690	12388346
22	550x550	3320	1504	1480	1.250	1399	12388663	12388664
24	600x600	4000	1812	1480	1.250	1311	12375683	12388644
26	650x650	5200	2356	1480	1.375	1245	12375704	12388718
30	750x750	7050	3194	1480	1.750	1337	12375680	12388708
36	900x900	11,550	5240	1480	1.750	1480	12377056	12386389

All fittings have a corrosion allowance of 0. All materials and welding procedures are NACE MR0175 compliant. Flange material is ASTM A707 L2 CL2 / A350 LF2 CL1. All sleeve material is ASTM A537 CL1

* 3/8 NPT threaded connections in blind flange center that allows pressure gauge or valve installation.