



TDW Tapping Fittings

ASME B31.3, B31.4, and B31.8



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Supersedes: 1110.001.05 (04.2009)



■ Tapping Fitting

Blind flange, studs, nuts and gasket sold separately

Description

Tapping Fittings are full-branch or reducing-branch split tees designed for use when installing branch lines. They are equipped with ASME Class 150, 300, or 600 RF flanges.

Features

Flange-to-sleeve weld joints and sleeves are designed to meet pressure and reinforcement requirements of ASME codes, and are available in Class 150, 300, and 600. Other ASME Class ratings available upon request.

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 with all fittings.

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

Fitting sleeves are an extruded type design. They are manufactured from a pressure-vessel quality, normalized, killed carbon steel plate with hardness below Rc22.

The Charpy impact value of the sleeves at -50°F is available on request.

Tapping Fittings are designed, prototype tested, and manufactured under a robust quality control system to comply with the requirements of 49 CFR §192.503(e)(2) and 49 CFR §195.305(b)(2)

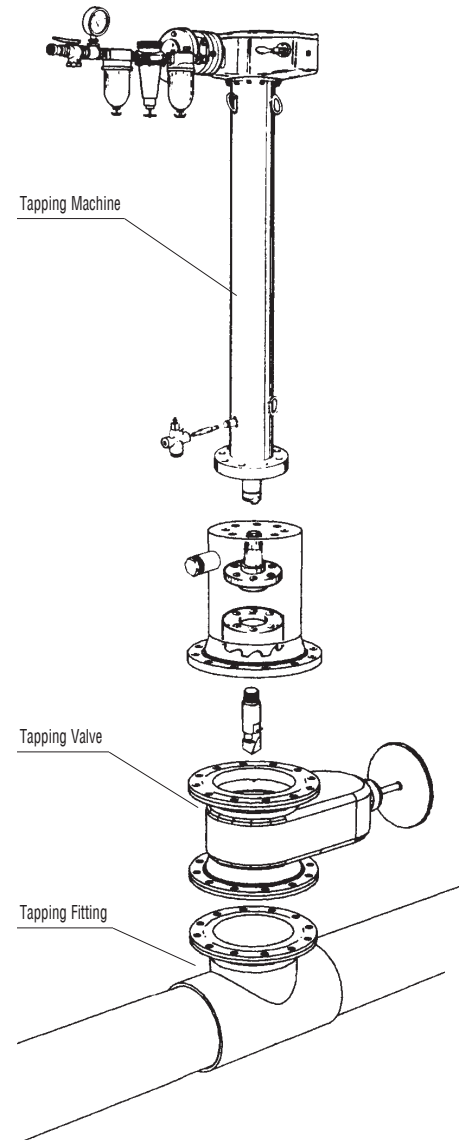
Options

Rapid Delivery:

Tees and associated products are shipped rapidly to meet customer needs*.

*Please confirm your choice with a Factory Representative.

■ Typical Tapping Setup





TDW Tapping Fittings

Class 150

Size		Weight		Dimension L		Dimension H		Design Factor					Part Number
Inches	DN	lbs	Kgs	in.	mm	in.	mm	B31.3	0.4	0.5	0.6	0.72	
2"	50	14	6	5.688	144.5	5.344	135.7	285	285	285	285	285	T6-0202-1100-54
3"	80	27	12	7.312	185.7	6.469	164.3	285	285	285	285	285	T6-0303-1100-54
4"	100	33	15	10.750	273.1	6.125	155.6	285	285	285	285	285	T6-0404-1100-14
6"	150	60	27	14.000	355.6	7.812	198.4	285	285	285	285	285	T6-0606-1100-14
8"	200	90	41	16.500	419.1	9.406	238.9	285	285	285	285	285	T6-0808-1100-14
10"	250	160	73	20.000	508.0	10.718	272.2	285	285	285	285	285	T6-1010-1100-14
12"	300	250	114	22.000	558.8	12.406	315.1	285	285	285	285	285	T6-1212-1100-14
14"	350	320	145	26.000	660.4	13.406	340.5	285	285	285	285	285	T6-1414-1100-14
16"	400	560	255	30.000	762.0	13.531	343.7	285	285	285	285	285	T6-1616-1100-14
18"	450	620	282	33.000	838.2	15.468	392.9	285	285	285	285	285	T6-1818-1100-14
20"	500	820	373	36.000	914.4	16.781	426.2	285	285	285	285	285	T6-2020-1100-14
22"	550	1200	545	40.000	1016.0	17.594	446.9	285	285	285	285	285	T6-2222-1100-14
24"	600	1400	636	43.000	1092.2	19.062	484.2	285	285	285	285	285	T6-2424-1100-14
26"	650	1750	795	50.000	1270.0	20.656	524.7	285	285	285	285	285	T6-2626-1100-14
30"	750	2450	1114	56.000	1422.4	22.281	565.9	285	285	285	285	285	T6-3030-1100-14

For sizes not listed consult factory

Dimensions are reference only. For actual dimensions please consult factory.

Maximum allowable operating pressure ASME B31.8/.72 285PSI AT -20°F TO +100°F

Maximum allowable operating pressure ASME B31.4/.72 285PSI AT -20°F TO +100°F

Maximum allowable operating pressure ASME B31.3 (SEE CHART) PSI AT -20°F TO +100°F

COMPLIANT WITH NACE MR0175

Class 300

Size		Weight		Dimension L		Dimension H		Design Factor					Part Number
Inches	DN	lbs	Kgs	in.	mm	in.	mm	B31.3	0.4	0.5	0.6	0.72	
2"	50	14	6	5.688	144.5	5.594	142.1	740	740	740	740	740	T6-0202-1300-54
3"	80	24	11	7.312	185.7	6.844	173.8	740	740	740	740	740	T6-0303-1300-54
4"	100	38	17	10.750	273.1	6.500	165.1	740	740	740	740	740	T6-0404-1300-14
6"	150	75	34	14.000	355.6	8.188	208.0	740	740	740	740	740	T6-0606-1300-14
8"	200	120	55	16.500	419.1	9.781	248.4	740	740	740	740	740	T6-0808-1300-14
10"	250	190	86	20.000	508.0	11.344	288.1	740	740	740	740	740	T6-1010-1300-14
12"	300	300	136	22.000	558.8	13.031	331.0	740	740	740	740	740	T6-1212-1300-14
14"	350	400	182	26.000	660.4	14.031	356.4	740	740	740	740	740	T6-1414-1300-14
16"	400	570	259	30.000	762.0	14.312	363.5	740	740	740	740	740	T6-1616-1300-14
18"	450	770	350	33.000	838.2	16.468	418.3	740	740	740	740	740	T6-1818-1300-14
20"	500	1050	477	36.000	914.4	18.000	457.2	740	740	740	740	740	T6-2020-1300-14
22"	550	1400	636	40.000	1016.0	18.938	481.0	740	740	740	740	740	T6-2222-1300-14
24"	600	1700	773	43.000	1092.2	20.156	512.0	740	740	740	740	740	T6-2424-1300-14
26"	650	2050	932	50.000	1270.0	22.531	572.3	740	675	740	740	740	T6-2626-1300-14
30"	750	2900	1318	56.000	1422.4	23.968	608.8	740	740	740	740	740	T6-3030-1300-14

For sizes not listed consult factory

Dimensions are reference only. For actual dimensions please consult factory.

Maximum allowable operating pressure ASME B31.8/.72 740PSI AT -20°F TO +100°F

Maximum allowable operating pressure ASME B31.4/.72 740PSI AT -20°F TO +100°F

Maximum allowable operating pressure ASME B31.3 (See Chart) PSI AT -20°F TO +100°F

COMPLIANT WITH NACE MR0175



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Class 600

Size		Weight		Dimension L		Dimension H		Design Factor					Part Number
Inches	DN	lbs	Kgs	in.	mm	in.	mm	B31.3	0.4	0.5	0.6	0.72	
2"	50	17	8	5.688	144.5	5.968	151.6	625	1000	1300	1480	1480	T6-0202-1600-54
3"	80	33	15	7.312	185.7	7.218	183.3	1480	1400	1480	1480	1480	T6-0303-1600-54
4"	100	60	27	10.750	273.1	7.375	187.3	1480	1455	1480	1480	1480	T6-0404-1600-14
6"	150	110	50	14.000	355.6	9.188	233.4	1155	1025	1275	1480	1480	T6-0606-1600-14
8"	200	170	77	16.500	419.1	10.906	277.0	915	825	1025	1225	1480	T6-0808-1600-14
10"	250	290	132	20.000	508.0	12.968	329.4	965	870	1085	1300	1480	T6-1010-1600-14
12"	300	390	177	22.000	558.8	14.281	362.7	930	840	1050	1260	1480	T6-1212-1600-14
14"	350	540	245	26.000	660.4	15.156	385.0	920	820	1025	1230	1480	T6-1414-1600-14
16"	400	700	318	30.000	762.0	16.031	407.2	965	850	1070	1285	1480	T6-1616-1600-14
18"	450	1000	455	33.000	838.2	17.906	454.8	975	865	1080	1295	1480	T6-1818-1600-14
20"	500	1350	614	36.000	914.4	19.531	496.1	980	880	1100	1320	1480	T6-2020-1600-14
22"	550	1700	773	40.000	1016.0	20.656	524.7	1090	980	1224	1470	1480	T6-2222-1600-14
24"	600	1950	886	43.000	1092.2	21.906	556.4	995	895	1120	1345	1480	T6-2424-1600-14
26"	650	2400	1091	50.000	1270.0	24.062	611.2	995	885	1110	1330	1480	T6-2626-1600-14
30"	750	3250	1477	56.000	1422.4	26.718	678.6	930	830	1040	1250	1480	T6-3030-1600-14

For sizes not listed consult factory

Dimensions are reference only. For actual dimensions please consult factory.

Maximum allowable operating pressure ASME B31.8/.72 1480PSI AT -20°F TO +100°F

Maximum allowable operating pressure ASME B31.4/.72 1480PSI AT -20°F TO +100°F

Maximum allowable operating pressure ASME B31.3 (See Chart) PSI AT -20°F TO +100°F

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