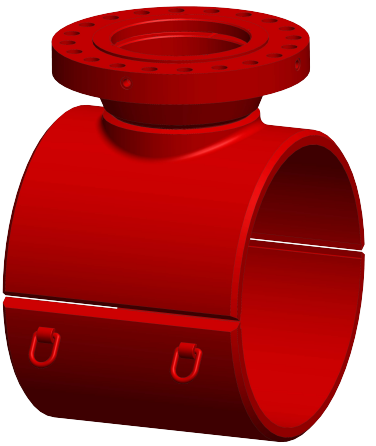
RBST LOCK-O-RING® Fittings

Reduced Branch Split Tees

Bulletin No: **1100.010.00**
Version 09.2023
Supersedes:



■ Reduced Branch Split Tee with LOCK-O-RING® Flange

Description

Extruded reduced branch split tee LOCK-O-RING fittings are designed for use when installing branch connections on operating piping systems. They are equipped with LOCK-O-RING® flanges to accept flow-through LOCK-ORING® with guide bars when piggabilty needs to be maintained.

All fittings meet ASME B31.4 / B31.8, with options for fittings that meet B31.3 / CSA Z662 CAT II, for use in pressurized piping systems transporting a wide variety of pipeline products.

Features

Flange-to-sleeve weld-joints and sleeves are designed to meet pressure and reinforcement requirements of ASME codes. STOPPLE Fittings are furnished with LOCK-O-RING® Flanges drilled and faced to match ASME flanges.

Back-up strips are standard and provided for all fittings.

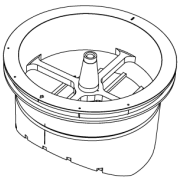
All pressure-containing welds on the fittings have undergone X-ray inspection per ASME and API requirements.

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 and a maximum carbon equivalency of 0.43.

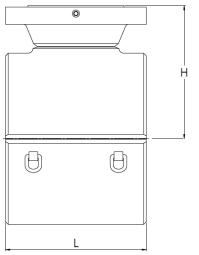
Option

Flow-through LOCK-O-RING with guide bars is available to maintain piggability.



■ **Flow-through LOCK-O-RING® assembly with guide bars**

Reduced Branch Split Tees



0.72 Reducing Branch Split Tees with LOCK-O-RING® Flanges

ASME CLASS 600

Size	Weight		Dimension L		Dimension H					
Inches	lbs	Kgs	in.	mm	in.	mm	0.5	0.6	0.72	Part Number
6x4	75	34	11	273.05	8	203	1320	1480	1480	06-8812-0604-17[1]
8x6	110	50	14	356	10	254	1035	1240	1480	06-8812-0806-17[1]
10x6	140	64	14	356	11	279	1105	1325	1480	06-8812-1006-17[1]
10x8	210	95	17	419	12	305	1100	1320	1480	06-8812-1008-17[1]
16x8	270	122	15	378	15	381	1090	1310	1480	06-8812-1608-17[1]
16x12	490	222	24	610	16	406	1095	1270	1480	06-8812-1612-17[1]
20x12	565	256	24	610	18	457	1060	1270	1480	06-8812-2012-17[1]
24x12	790	358	21	543	20	508	1115	1335	1480	06-8812-2412-17[1]
24x16	1200	544	30	762	21	533	1235	1480	1480	06-8812-2416-17[1]
24x20	1545	701	36	914	23	584	1150	1380	1480	06-8812-2420-17[1]
30x24	2400	1089	43	1092	27	681	1010	1215	1480	12372232[2]

Dimensions are reference only. For actual dimensions please consult factory.
For sizes not listed consult factory.
[1] - Comes standard with Nitrile O-Rings.
[2] - Comes standard with FKM O-Rings.
Alternative elastomers are available upon request. Consult TDW for appropriate selection.
Maximum allowable operating pressure ASME B31.4/.72 1480PSI AT -20°F TO +100°F Maximum allowable operating pressure ASME B31.8/.72 1480PSI AT -20°F TO +100°F.

0.50 Reducing Branch Split Tees with LOCK-O-RING® Flanges

ASME CLASS 600

Size	Weight		Dimension L		Dimension H						
Inches	lbs	Kgs	in.	mm	in.	mm	B31.3	0.5	0.6	0.72	Part Number
6x4	45	20	11	273	9	223	1480	1480	1480	1480	36-2050-0604-30[2]
8x4	111	50	11	273	10	252	1480	1480	1480	1480	36-2050-0804-30[2]
8x6	161	73	14	356	10	266	1480	1480	1480	1480	36-2050-0806-30[2]
10x4	145	66	11	273	11	284	1480	1480	1480	1480	36-2050-1004-30[2]
10x6	200	91	14	356	12	297	1480	1480	1480	1480	36-2050-1006-30[2]
10x8	270	122	17	419	12	316	1480	1480	1480	1480	36-2050-1008-30[2]
12x4	175	79	11	273	12	316	1480	1480	1480	1480	36-2050-1204-30[2]
12x6	245	111	14	356	13	328	1480	1480	1480	1480	36-2050-1206-30[2]
12x8	320	145	17	419	14	348	1480	1480	1480	1480	36-2050-1208-30[2]
12x10	420	191	20	508	15	375	1480	1480	1480	1480	36-2050-1210-30[2]

Dimensions are reference only. For actual dimensions please consult factory.
For sizes not listed consult factory.
[2] - Comes standard with FKM O-Rings.
Alternative elastomers are available upon request. Consult TDW for appropriate selection.
Maximum allowable operating pressure ASME B31.8/.5 1480PSI AT -20°F TO +100°F
Maximum allowable operating pressure ASME B31.4/.5 1480PSI AT -20°F TO +100°F
Maximum allowable operating pressure CSA Z662 CAT II*/.5 1480PSI AT -20°F TO +100°F
Maximum allowable operating pressure ASME B31.3 1480PSI AT -20°F TO +100°F
Compliant with NACE MR0175
*CAT II with conditions. Class 1 not lower than -49°F, Class 2 not lower than -64°F, NPS 24 and larger require Charpy.