

Tube Weld Bend 90°- Long Radius

Manufactured to MAF Specifications



Nominal Pipe Size OD		Wall Thickness (T) mm	Centre Line Radius (R) mm	Centre to Face (A) mm	(B) mm	T304	T316
mm	inch						
12.7	1/2	1.2	25.4	44.5	19.1		0003508
15.9	5/8	1.2	25.4	57.2	31.8	0003461	0003509
19.0	3/4	1.2	34.9	63.5	28.6	0003463	0003511
19.0	3/4	1.5	34.9	63.5	28.6	0003462	0003510
25.4	1	1.2	44.5	66.7	22.2	0003465	0003513
25.4	1	1.5	44.5	66.7	22.2	0003464	0003512
31.8	1-1/4	1.2	57.2	88.9	31.8	0003467	0003515
31.8	1-1/4	1.5	57.2	88.9	31.8	0003466	0003514
38.1	1-1/2	1.2	76.2	111.1	34.9	0003470	0019333
38.1	1-1/2	1.5	76.2	111.1	34.9	0003469	0003516
44.5	1-3/4	1.5	79.4	117.5	38.1	0003472	0003517
50.8	2	1.2	101.6	133.4	31.8	0003474	0003519
50.8	2	1.5	101.6	133.4	31.8	0003473	0003518
63.5	2-1/2	1.5	114.3	152.4	38.1	0003476	0003520
76.2	3	1.5	139.7	177.8	38.1	0003478	0003521
101.6	4	1.5	152.4	177.8	25.4	0003479	0003522
127.0	5	1.5	190.5	230.5	40.0	0019334	0019335
152.4	6	1.5	228.6	268.6	40.0	0019342	0019343

Finish Polished OD. Pickled ID

Tube Weld Bend 90°- Short Radius

Manufactured to MAF Specifications



Nominal Pipe Size OD		Wall Thickness mm	Centre Line Radius (R) mm	Overall Dimensions (D) mm	T304	T316
mm	inch					
25.4	1	1.5	38.1	51 x 51	0003454	0003500
31.8	1-1/4	1.5	57.2	76 x 76	0019336	0003501
38.1	1-1/2	1.5	57.2	71 x 71	0003455	0003502
50.8	2	1.5	76.2	101 x 101	0003456	0003503
63.5	2-1/2	1.5	101.6	133 x 133	0003457	0003504
76.2	3	1.5	114.3	165 x 165	0003458	0003505

Finish Polished OD. Pickled ID

Tube Weld Bend 180°

Manufactured to MAF Specifications

Nominal Pipe Size OD		Wall Thickness ± 1mm	Centres (C) ± 1mm	Overall Height (D) ± 1mm	Centre Line Radius (R) ± 1 mm	(B) mm	T304	T316
mm	inch							
25.4	1	1.5	91	79	44.5	22.2	0019043	0019303
31.8	1-1/4	1.5	118	105	57.2	31.8	0018889	0019304
38.1	1-1/2	1.5	155	130	76.2	34.9	0003498	0019305
50.8	2	1.5	204	159	101.6	31.8	0003499	0019306
63.5	2-1/2	1.5	232	184	114.3	38.1	0019245	0019307
76.2	3	1.5	284	216	139.7	38.1	0019246	0019308
101.6	4	1.5	311	229	152.4	25.4	0019247	0019309
101.6	4	2.0	311	229	152.4	25.4	0019248	0019310

Finish Polished OD. Pickled ID

Tube Weld Bend 45° - Long Radius

Manufactured to MAF Specifications



Nominal Pipe Size		Wall Thickness mm	Centre Line Radius (R) mm	(B) mm	T304	T316
mm	inch					
25.4	1	1.5	44.5	22.2	0003487	0003530
31.8	1-1/4	1.2	57.2	31.8	0003489	0019311
31.8	1-1/4	1.5	57.2	31.8	0003488	0003531
38.1	1-1/2	1.2	76.2	34.9	0003491	0019312
38.1	1-1/2	1.5	76.2	34.9	0003490	0003532
50.8	2	1.5	101.6	31.8	0003492	0003533
63.5	2-1/2	1.5	114.3	38.1	0003494	0003534
76.2	3	1.5	139.7	38.1	0003495	0003535
101.6	4	1.5	152.4	25.4	0003496	0003536

Finish Polished OD. Pickled ID

Tube Equal Tee

Manufactured to MAF Specifications



Nominal Pipe Size		Wall Thickness mm	Branch Length From Tee Centre mm	Overall Length mm	T316
mm	inch				
25.4	1	1.6	38.0	76	0003544
31.8	1-1/4	1.6	44.5		0003546
38.1	1-1/2	1.6	51.0	102	0003548
50.8	2	1.6	63.5	127	0003550
63.5	2-1/2	1.6	76.0	152	0003552
76.2	3	1.6	89.0	178	0003554
101.6	4	1.6	114.0	228	0003557
127.0	5	2.0	140.0	280	0019410
152.4	6	2.0	170.0	340	0003560

• Denotes Normal Stock Range other sizes available on indent

Finish Polished OD. Pickled ID

Tube Pulled Tee

Manufactured to MAF Specifications



Nominal Pipe Size		Overall Length mm	T316 Wall Thickness 1.5 mm
mm	inch		
25.4	1	76.0	0003545
31.8	1-1/4	89.0	0003547
38.1	1-1/2	102.0	0003549
50.8	2	127.0	0003551
63.5	2-1/2	152.0	0003553
76.2	3	178.0	0003555
101.6	4	228.0	0003556
127.0	5	280.0	0003558
152.4	6	170.0	0003559*

Finish Polished OD. Pickled ID

* denotes a wall thickness of 2mm

Tube Reducers

Concentric, Eccentric

Manufactured to MAF Specifications



OD		Concentric Reducer			Eccentric Reducer		
Large End Small End		Overall Length (H) mm	Thickness (T) mm	T316	Overall Length (H) mm	Thickness (T) mm	T316
OD ₁ mm	OD ₂ mm						
25.4	12.7	25	1.5	0003621	25	1.5	
25.4	19.0	25	1.5	0003622	25	1.5	
31.8	19.0	30	1.5	0003623	30	1.5	
31.8	25.4	30	1.5	0003624	30	1.5	0003650
38.1	19.0	30	1.5	0003625	30	1.5	
38.1	25.4	30	1.5	0003626	30	1.5	
38.1	31.8	30	1.5	0003627	30	1.5	
50.8	25.4	40	1.5	0003628	40	1.5	0003651
50.8	31.8	40	1.5	0003629	40	1.5	0003652
50.8	38.1	40	1.5	0003630	40	1.5	
63.5	25.4	50	1.5		50	1.5	0003654
63.5	31.8	50	1.5	0003631	50	1.5	
63.5	38.1	50	1.5	0003632	50	1.5	0003655
63.5	50.8	50	1.5	0003633	50	1.5	0003656
76.2	25.4	60	1.5	0003634	60	1.5	
76.2	38.1	60	1.5	0003635	60	1.5	0003658
76.2	50.8	60	1.5	0003636	60	1.5	0003653
76.2	63.5	60	1.5	0003637	60	1.5	0003657
101.6	25.4	70	1.5	0003638	70	1.5	
101.6	50.8	70	1.5	0003639	70	1.5	0003660
101.6	63.5	70	1.5	0003640	70	1.5	
101.6	76.2	70	1.5	0003641	70	1.5	0003661
127.0	76.2	100	2.0	0003643	100	2.0	
127.0	101.6	100	1.5	0003644	100	2.0	
152.4	76.2	120	2.0	0003645	120	2.0	
152.4	101.6	120	2.0	0003646	120	2.0	0003663
203.2	152.4	150	2.0	0003648	150	2.0	0003665

Tube Slip On Plate Flange










Tube Size		Slip on Plate Flanges To Suit Tube - T316
mm	inch	
19.05	3/4	0004032
25.4	1	0004033
31.8	1-1/4	0004034
38.1	1-1/2	0004035
50.8	2	0004036
63.5	2-1/2	0004037
76.2	3	0004038
101.6	4	0004039
125.0	5	0004040
152.4	6	0004041
203.2	8	0004042
254.0	10	0004043
304.8	12	0004044

Refer to Wakefield Metals Flange Specification Tables for Flange Dimensions
Ask your Wakefield Metals team for your copy

Tube RJT Fittings

Manufactured to 3-A Specifications

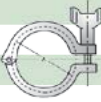
Pipe Size		Welding Male Part T316	Welding Liner T316	Union Blanks T304
mm	inch			
25.4	1	0004099	0004106	0004113
38.1	1-1/2	0004100	0004107	0004114
50.8	2	0004101 	0004108 	0004115 
63.5	2-1/2	0004102	0004109	0004116
76.2	3	0004103	0004110	0004117
101.6	4	0004104	0004111	0004118
152.4	6	0004105	0004112	0004119

Pipe Size		Hex Nuts T304	Round Slotted Nuts T316	O-Ring Blue Santoprene	Rubber Seal-Stepped
mm	inch				
25.4	1	0004134	0004140	0004120	0004126
38.1	1-1/2	0004135 	0004141 	0004121 	0004128 
50.8	2	0004136	0004142	0004122	0004129
63.5	2-1/2	0004137	0004143	0004123	0004130
76.2	3	0004138	0004144	0004124	0004131
101.6	4	0004139	0004145	0004125	0004132
152.4	6		0004146		0004133

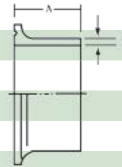
Tube Tri Fittings

Manufactured to 3-A Specifications

Pipe Size		Tri Clamp	Tri Blank		
			Stock Holding T304	Depth mm	Outside Diameter mm
mm	inch				
25.4	1	0003732	6.35	50.39	0003763
38.1	1-1/2	0003733	6.35	50.39	0003764
50.8	2	0003734	6.35	63.91	0003765
63.5	2-1/2	0003735	6.35	77.39	0003766
76.2	3	0003736	6.35	90.91	0003767
101.6	4	0003737	7.92	118.92	0003768
127.0	5	0019411			0019412
152.4	6	0003738			0003769



Pipe Size		Welding Ferrule			EPDM Seal Stock Holding T316
		Depth (A) mm	Thickness T316	Stock Holding T316	
mm	inch				
25.4	1	28.58	1.52	0003740	0003756
38.1	1-1/2	28.58	1.52	0003744	0003757
50.8	2	28.58	1.52	0003746	0003758
63.5	2-1/2	28.58	2.03	0003749	0003759
76.2	3	28.58	2.03	0003752	0003760
101.6	4	28.58	2.03	0003754	0003761
127.0	5	21.9	2.03	0019413	0019414
152.4	6	21.90	2.03	0003755	0003762

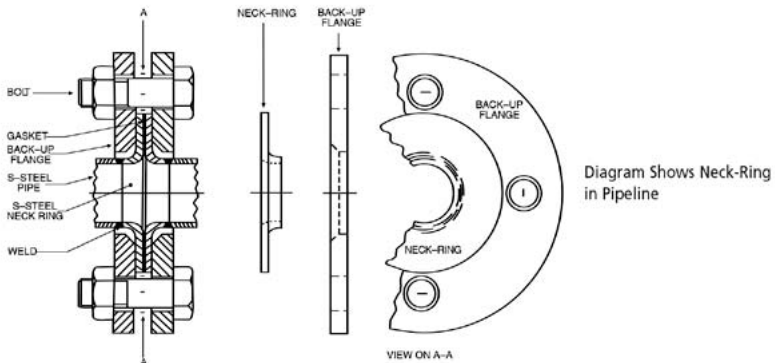


Tube Pressed Neck Ring

Size to Suit OD and ID Tube			Pressed Neck Ring Standard 1.6mm WT T316L	Pressed Neck Ring Heavy 3mm WT T304L	Pressed Neck Ring Heavy 3mm WT T316L
mm		inch			
12.7	OD	1/4		0019313	
19	OD	3/4		0019314	0003584
25.4	OD	1	0003586	0019315	0003585
31.8	OD	1-1/4	0019321	0003578	0019322
38.1	OD	1-1/2	0003587	0003579	0015358
51	OD	2	0003589	0003580	0003588
63.5	OD	2-1/2	0003591	0003581	0003590
76.2	OD	3	0003593	0019316	0003592
101.6	OD	4	0003595	0019317	0003594
127	ID	5		0019318	0003596
152.4	ID	6		0019319	0003597
203.2	ID	8		0019320	0003598
254	ID	10		0003582	0003599

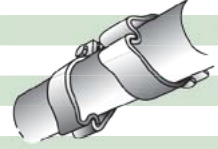
Galvanised back-up flanges (table E) available on request
WT = Wall thickness.

Refer to Wakefield Metals flange comparison tables for neck ring dimensions.



Tube Clamps

Size		Tube Clamp Plain
mm	inch	
25.4	1	0003723
31.8	1-1/4	0003724
38.1	1-1/2	0003725
50.8	2	0003726
63.5	2-1/2	0003727
76.2	3	0003728
101.6	4	0003729



All Tube Clamps are made from T304 Tube Clamps are hinge type electropolished finish with one set screw and nut.

Saddle Clamps

Size		Saddle Clamp T304
mm	inch	
12.70	1/2	0003716
19.05	3/4	0003717
125.00	5	0003718
152.40	6	0003719
203.20	8	0003720
254.00	10	0003721
300.00	12	0003722



* Special sizes could be supplied based on quantity

Pipe - Schedule 10s

ASTM A312



Size - NB		OD x Wall Thickness mm	Weight kg/m	T304L	T316L
mm	inch				
9.53	3/8	17.15 x 1.65	0.63	0003428	
12.70	1/2	21.34 x 2.11	1.00	0003429	0003401
19.05	3/4	26.67 x 2.11	1.28	0003430	0003402
25.40	1	33.41 x 2.77	2.09	0003431	0003403
31.80	1-1/4	42.16 x 2.77	2.70	0003432	0003404
38.10	1-1/2	48.26 x 2.77	3.11	0003433	0003405
50.80	2	60.03 x 3.05	3.93	0003434	0003406
63.50	2-1/2	73.03 x 3.05	5.26	0003435	0003407
76.20	3	88.90 x 3.05	6.45	0003436	0003408
88.90	3-1/2	101.60 x 3.05	7.40		0003409
101.60	4	114.30 x 3.05	8.36	0003437	0003410
152.40	6	168.28 x 3.40	13.84	0003438	0003411

Pipe - Schedule 40s

ASTM A312



Size - NB		OD x Wall Thickness mm	Weight kg/m	T304L	T316L
mm	inch				
6.35	1/4	13.72 x 2.24	0.64		0003415
9.53	3/8	17.15 x 2.31	0.85	0003439	0003416
12.70	1/2	21.34 x 2.77	1.29	0003440	0003417
19.05	3/4	26.67 x 2.87	1.71	0003441	0003418
25.40	1	33.41 x 3.38	2.54	0003442	0003419
31.80	1-1/4	42.16 x 3.56	3.43	0003443	0003420
38.10	1-1/2	48.21 x 3.68	4.11	0003444	0003421
50.80	2	60.03 x 3.91	5.52	0003445	0003422
63.50	2-1/2	73.03 x 5.16	8.76	0003446	0003423
76.20	3	88.90 x 5.49	11.45	0003447	0003425
101.60	4	114.30 x 6.02	16.31	0003448	0003426
152.40	6	168.28 x 7.11	28.68	0003449	0003427

Finish Welded Seam. Annealed

Length Available in 6.1m Lengths

For dimensions and theoretical weights of schedule pipe and theoretical bursting pressure of pipe contact your Wakefield Metals team