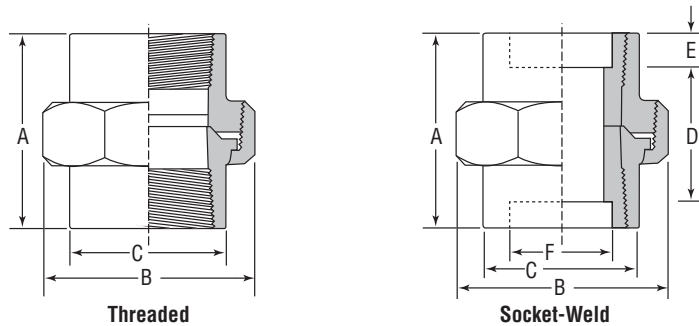


Forged Steel Unions

Class 3000 Threaded & Socket-Weld



Manufactured to MSS standard practice SP83
(Class 6000 by method of MSS SP83)

FIGURE 2125: Threaded Union

Size		A		B		C*		D		E		F		Unit Weight	
NPS	DN	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kg
1/4	8	1 11/16	43	1 31/64	38	53/64	21	25/32	20	7/16	11	0.555 0.575	14 15	0.30	0.14
3/8	10	1 27/32	47	1 11/16	43	1	25	31/32	25	7/16	11	0.690 0.710	18 18	0.50	0.23
1/2	15	2	51	1 15/16	49	1 3/16	30	1 3/32	28	7/16	11	0.855 0.875	22 22	0.70	0.32
3/4	20	2 5/16	59	2 3/8	60	1 15/32	37	1 5/32	29	9/16	14	1.065 1.085	27 28	1.20	0.54
1	25	2 7/16	62	2 25/32	71	1 25/32	45	1 3/8	35	9/16	14	1.330 1.350	34 34	1.70	0.77
1 1/4	32	2 7/8	73	3 23/64	85	2 7/32	686	1 45/64	43	9/16	14	1.675 1.695	43 43	2.50	1.13
1 1/2	40	3	76	3 23/64	85	2 35/64	65	1 7/8	48	9/16	14	1.915 1.935	49 49	3.30	1.50
2	50	3 1/2	89	4 27/64	112	3 1/16	78	2 1/16	52	1 1/16	17	2.406 2.426	61 62	5.30	2.40
2 1/2	65	4 1/4	108	5 15/64	133	3 9/16	90	2 3/8	60	7/8	22	2.906 2.931	74 74	8.60	3.90
3	80	4 7/16	113	6 5/32	156	4 9/32	109	2 7/16	62	1	25	3.535 3.560	90 90	12.70	5.76

FIGURE 2126: Socket-Weld Union

Size		A		B		C*		D		E		F		Unit Weight	
NPS	DN	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kg
1/4	8	1 11/16	43	1 31/64	38	53/64	21	25/32	20	7/16	11	0.555 0.575	14 15	0.30	0.14
3/8	10	1 27/32	47	1 11/16	43	1	25	31/32	25	7/16	11	0.690 0.710	18 18	0.50	0.23
1/2	15	2	51	1 15/16	49	1 3/16	30	1 3/32	28	7/16	11	0.855 0.875	22 22	0.70	0.32
3/4	20	2 5/16	59	2 3/8	60	1 15/32	37	1 5/32	29	9/16	14	1.065 1.085	27 28	1.20	0.54
1	25	2 7/16	62	2 25/32	71	1 25/32	45	1 3/8	35	9/16	14	1.330 1.350	34 34	1.70	0.77
1 1/4	32	2 7/8	73	3 23/64	85	2 7/32	686	1 45/64	43	9/16	14	1.675 1.695	43 43	2.50	1.13
1 1/2	40	3	76	3 23/64	85	2 35/64	65	1 7/8	48	9/16	14	1.915 1.935	49 49	3.30	1.50
2	50	3 1/2	89	4 27/64	112	3 1/16	78	2 1/16	52	1 1/16	17	2.406 2.426	61 62	5.30	2.40
2 1/2	65	4 1/4	108	5 15/64	133	3 9/16	90	2 3/8	60	7/8	22	2.906 2.931	74 74	8.60	3.90
3	80	4 7/16	113	6 5/32	156	4 9/32	109	2 7/16	62	1	25	3.535 3.560	90 90	12.70	5.76

**C* dimension measures across octagon corners or across the diameter as applicable. The 2 1/2" NPS (65 DN) and 3" NPS (80 DN) – 3000 and 2" NPS (50 DN) – 6000 sizes have octagonal male and female ends; the other sizes are round.