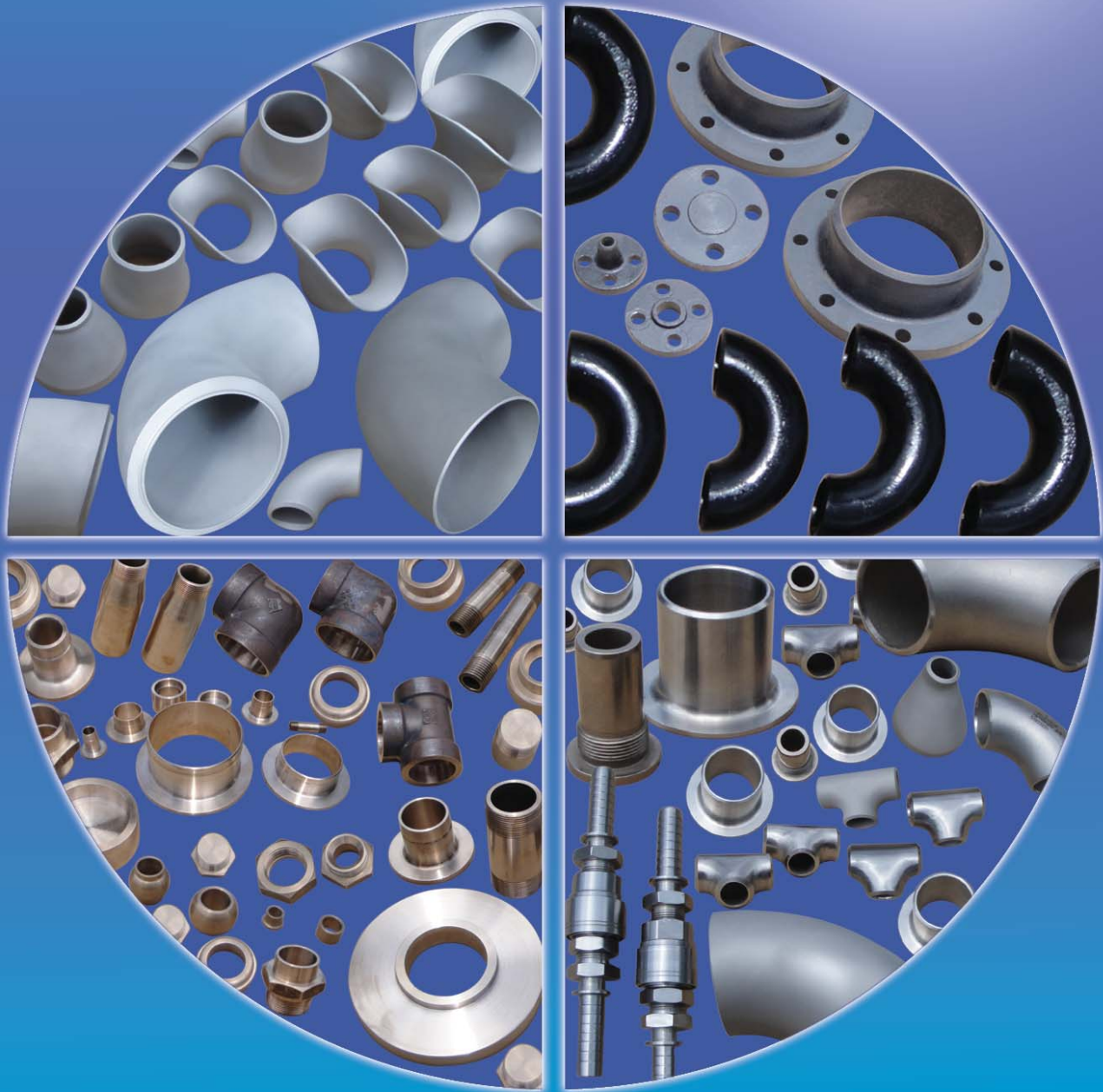




**Intercontinental
Technology
Limited.**



world class pipe fittings solutions



world class pipe fittings solutions





World Class Pipe Fittings Solutions



OUR COMPANY

Intercontinental Technology Limited (ITL) has been successfully manufacturing and exporting high quality pipe fittings, flanges and connectors to Oil, Gas, Power, Chemical, Food and Marine Industries since 1996.

ITL has its manufacturing unit in the export processing zone, Chittagong, Bangladesh. an exclusive zone specified for foreign investors and local export based industries. The facilities the zone provides are second to none in the sub-continent. The zone is about 2 Km away from Chittagong sea port having frequent services to the Far East via Singapore and to Europe, USA via Middle East.

Our factory is well equipped to produce small to large pressed, forged and machined fittings and components and we have equally well quality control facilities to ensure quality of our products.

Our work force is our most valuable asset. Our workers are highly skilled, dedicated and customer focused. Our company is an equal opportunity employer and we give top priority to safety, health and environment.



PRODUCTS

ITL produces cold formed and hot formed butt weld and machined socket weld, threaded fittings and flanges starting from 1/2" NB up to and including 12" NB. Details of our products and their specifications are given in the following pages.

STANDARDS

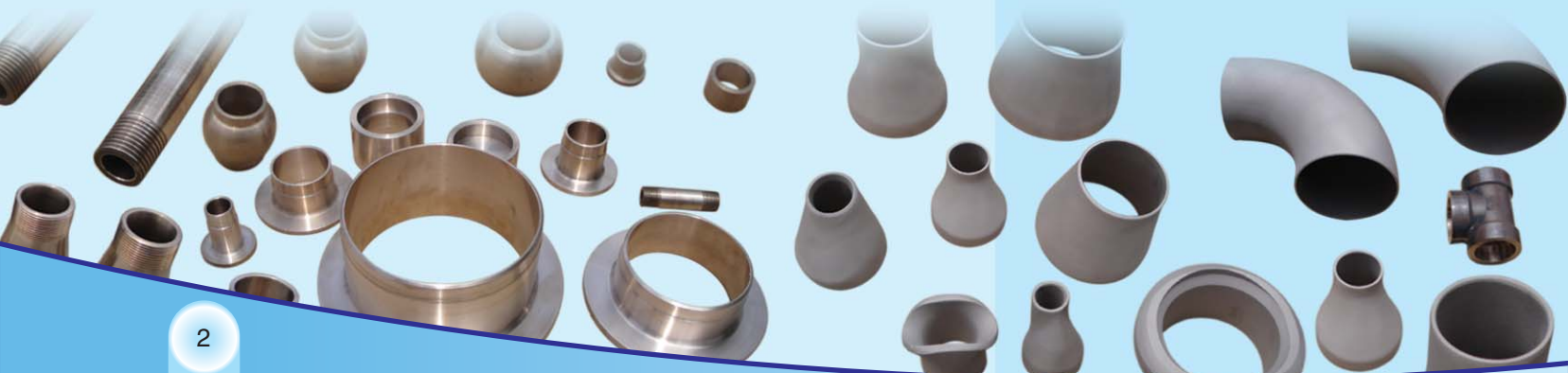
Our products meet major international standards such as ASTM, EEMUA, BS, DIN, etc. We also manufacture pipe fittings and components as per customer's specifications.

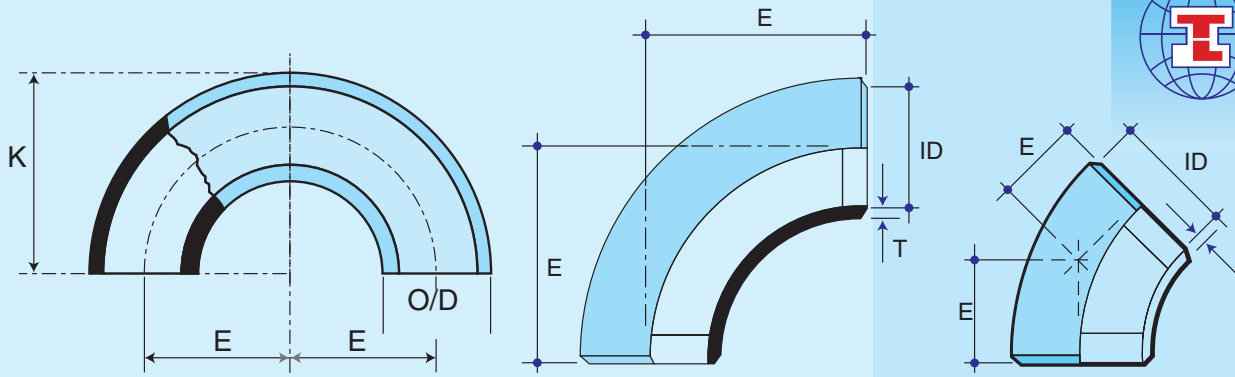
MATERIALS

Materials of the finest quality sourced from internationally reputed vendors are only used to manufacture our products. Copper-Nickel, Austenitic Stainless Steel, Duplex and Super Duplex, Carbon Steel, Aluminum Alloys are some of the materials we use.



World Class Pipe Fittings Solutions





Butt Weld Long Radius Elbows & Bends

Dimensions to EEMUA 146

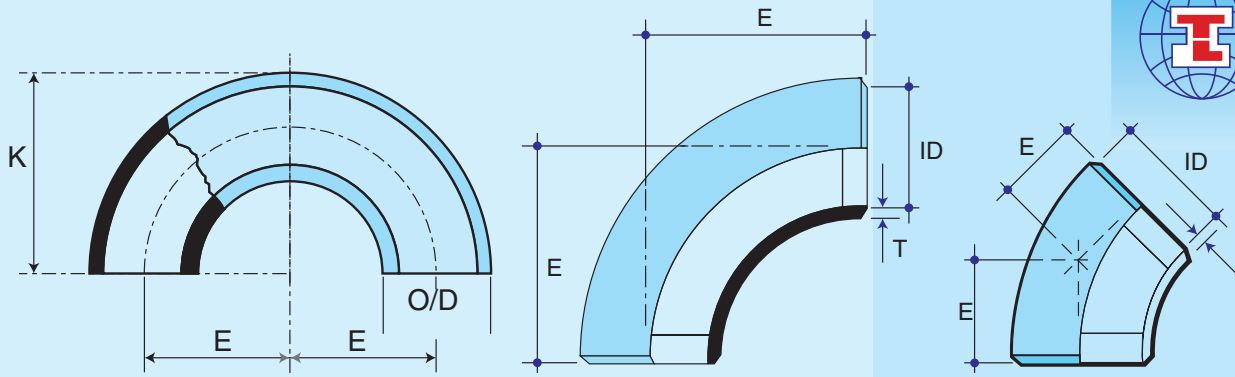
Elbow Size (mm)	Specified Thickness T (mm)		Centre to Face (mm)		K (mm)
	16 bar	20 bar	45°	90° & 180°	
30	2.5	2.5	22	38	53
38	2.5	2.5	25	48	67
44.5	2.5	2.5	29	57	79
57	2.5	2.5	35	76	105
76.1	2.5	2.5	44	95	133
88.9	2.5	2.5	51	114	159
108	3.0	3.0	64	152	206
159	3.0	3.5	95	229	
219.1	4.0	4.5	127	305	

Note: Elbows as per DIN 86090 are also available

Butt Weld Long Radius Elbows & Bends

Dimensions to ASME B 16.9

Nominal Pipe size (NPS)	DN (mm)	Outside Diameter at Bevel (mm)	Centre -to-End (mm)		K (mm)
			90° & 180°	45°	
			E	E	
1/2"	15	21.3	38	16	48
3/4"	20	26.7	38	19	51
1"	25	33.4	38	22	56
1.1/4"	32	42.2	48	25	70
1.1/2"	40	48.3	57	29	83
2"	50	60.3	76	35	106
2.1/2'	65	73	95	44	132
3'	80	88.9	114	51	159
3.1/2'	90	101.6	133	57	184
4'	100	114.3	152	64	210
6"	150	168.3	229	95	
8"	200	219.1	305	127	



Butt Weld Short Radius Elbows & Bends

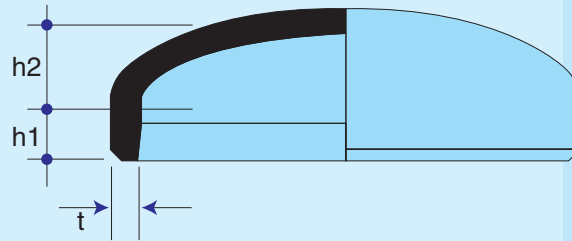
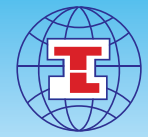
Dimensions to DIN 86090

Elbow Size (mm)	Specified Thickness T (mm)		Centre to Face (mm)		K (mm)
	10 bar	14 bar	45°	90° & 180°	
30	1.5		12	30	45
38	1.5		14	32.5	51.5
44.5	1.5		17	40	62
57	1.5		22	52.5	81
76.1	2.0		29	70	108
88.9	2.0	2.5	34	82.5	127
108	2.5	3.0	41	100	154
133	2.5	3.0	52	125	

Butt Weld Short Radius Elbows & Bends

Dimensions to ASME B 16.28

Nominal Pipe size (NPS)	DN (mm)	Outside Diameter at Bevel (mm)	Centre -to-End (mm)	K (mm)
			90° & 180°	
			E	
1'	25	33.4	25	41
1.1/4"	32	42.2	32	52
1.1/2"	40	48.3	38	62
2"	50	60.3	51	81
2.1/2'	65	73	64	100
3'	80	88.9	76	121
3.1/2'	90	101.6	89	140
4'	100	114.3	102	159
6"	150	168.3	152	



Butt Weld End Caps

Dimension to EEMUA 146

Nominal Size inches	Specified Size mm	16 bar		20 bar	
		t min mm	h1+h2 mm	t min mm	h1+h2 mm
1	30.0	2.25	16.0	2.25	16.0
1.1/4	38.0	2.25	17.5	2.25	17.5
1.1/2	44.5	2.25	19.6	2.25	19.6
2	57.0	2.25	22.0	2.25	22.0
2.1/2	76.1	2.25	25.7	2.25	25.7
3	88.9	2.25	28.2	2.25	28.2
4	108.0	2.70	31.7	2.70	31.7
6	159.0	2.63	41.0	3.12	44.0
8	219.1	3.54	55.0	4.29	60.0
10	267.0	4.29	69.0	5.23	69.0
12	323.9	5.24	80.0	6.34	85.0

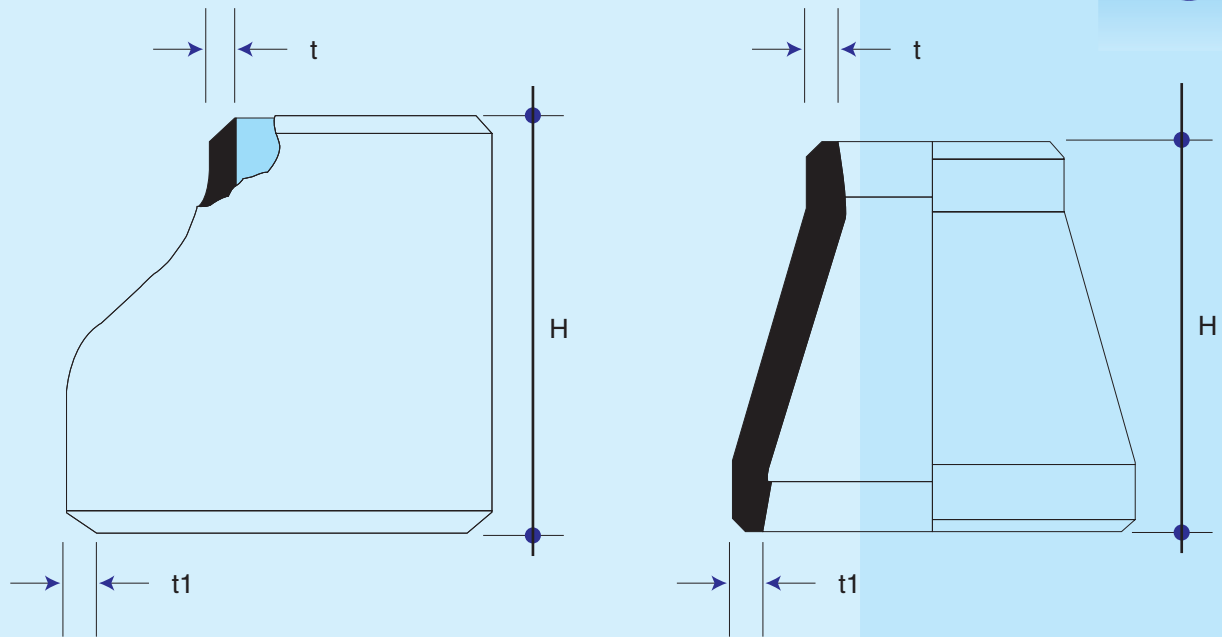
Note: End Caps as per DIN 28011 are also available

Butt Weld End Caps

Dimensions to ASME B 16.9

Nominal Pipe (NPS)	DN (mm)	Outside Diameter Bevel (mm)	Length, E (h1 + h2) (mm)	Limiting Wall Thickness for Length E	Length, E1 (h1 + h2) (mm)
1/2	15	21.3	25	4.57	25
3/4	20	26.7	25	3.81	25
1	25	33.4	38	4.57	38
1.1/4	32	42.2	38	4.83	38
1.1/2	40	48.3	38	5.08	38
2	50	60.3	38	5.59	44
2.1/2	65	73.0	38	7.11	51
3	80	88.9	51	7.62	64
3.1/2	90	101.6	64	8.13	76
4	100	114.3	64	8.64	76
5	125	141.0	76	9.65	89
6	150	168.3	89	10.92	102
8	200	219.1	102	12.7	127
10	250	273	127	12.7	152
12	300	323.8	152	12.7	178

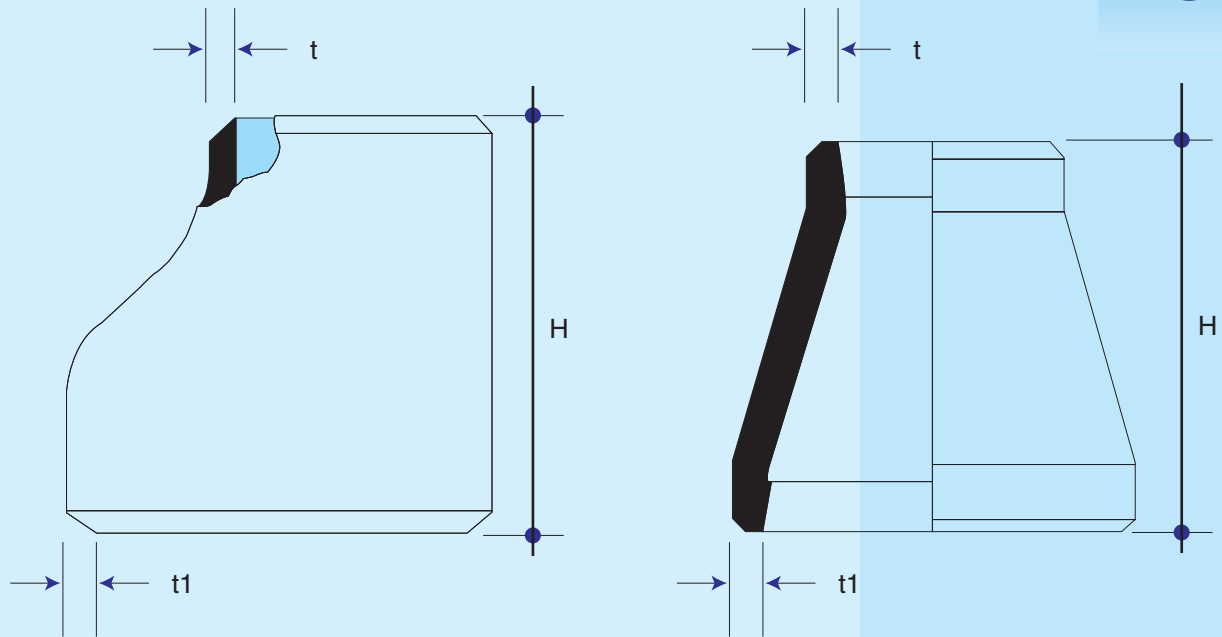
Note: Length E1 Applies for thickness greater than the Limiting wall thickness.



Butt weld Concentric and Eccentric Reducer

Dimension to EEMUA 146

Pipe Size (mm)	Length H (mm)	Specified Wall Thickness (mm) t1 x t		
		14 bar	16 bar	20 bar
30 x 25	51	1.5 x 1.5	2.5 x 2.0	2.5 x 2.0
38 x 30	51	1.5 x 1.5	2.5 x 2.5	2.5 x 2.5
38 x 25	51	1.5 x 1.5	2.5 x 2.0	2.5 x 2.0
44.5 x 38	64	1.5 x 1.5	2.5 x 2.5	2.5 x 2.5
44.5 x 30	64	1.5 x 1.5	2.5 x 2.5	2.5 x 2.5
44.5 x 25	64	1.5 x 1.5	2.5 x 2.0	2.5 x 2.0
57 x 44.5	76	1.5 x 1.5	2.5 x 2.5	2.5 x 2.5
57 x 38.0	76	1.5 x 1.5	2.5 x 2.5	2.5 x 2.5
57 x 30.0	76	1.5 x 1.5	2.5 x 2.5	2.5 x 2.5
76.1 x 57.0	89	2.0 x 1.5	2.5 x 2.5	2.5 x 2.5
76.1 x 44.5	89	2.0 x 1.5	2.5 x 2.5	2.5 x 2.5
76.1 x 38.0	89	2.0 x 1.5	2.5 x 2.5	2.5 x 2.5
88.9 x 76.1	89	2.5 x 2.0	2.5 x 2.5	2.5 x 2.5
88.9 x 57.0	89	2.5 x 1.5	2.5 x 2.5	2.5 x 2.5
88.9 x 44.5	89	2.5 x 1.5	2.5 x 2.5	2.5 x 2.5
108 x 88.9	102	2.5 x 2.5	3.0 x 2.5	3.0 x 2.5
108 x 76.1	102	2.5 x 2.0	3.0 x 2.5	3.0 x 2.5
108 x 57.0	102	2.5 x 1.5	3.0 x 2.5	3.0 x 2.5
159 x 108.0	140	2.5 x 2.5	3.0 x 3.0	3.5 x 3.0
159 x 88.9	140	2.5 x 2.5	3.0 x 2.5	3.5 x 2.5
159 x 76.1	140	2.5 x 2.0	3.0 x 2.5	3.5 x 2.5
159 x 57.0	140	2.5 x 1.5	3.0 x 2.5	3.5 x 2.5

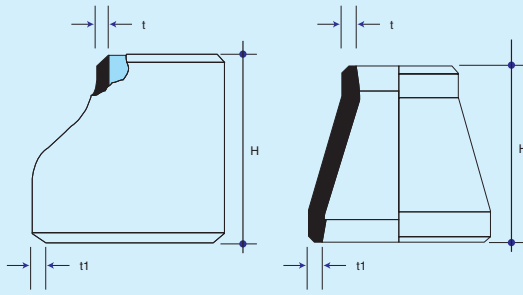
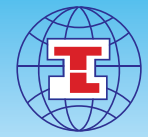


Butt weld Concentric and Eccentric Reducer

Dimension to EEMUA 146

Pipe Size (mm)	Length H (mm)	Specified Wall Thickness (mm) t1 x t		
		14 bar	16 bar	20 bar
219.1 x 159	152	3.5 x 2.5	4.0 x 3.0	4.5 x 3.5
219.1 x 108	152	3.5 x 2.5	4.0 x 3.0	4.5 x 3.0
219.1 x 88.9	152	3.5 x 2.5	4.0 x 2.5	4.5 x 2.5
219.1 x 76.1	152	3.5 x 2.0	4.0 x 2.5	4.5 x 2.5
267 x 219.1	178	4.0 x 3.5	4.5 x 4.0	5.5 x 4.5
267 x 159	178	4.0 x 2.5	4.5 x 3.0	5.5 x 3.5
267 x 108	178	4.0 x 2.5	4.5 x 3.0	5.5 x 3.0
323.9 x 267	203	5.0 x 4.0	5.5 x 4.5	7.0 x 5.5
323.9 x 219.1	203	5.0 x 3.5	5.5 x 4.0	7.0 x 4.5
323.9 x 159	203	5.0 x 2.5	5.5 x 3.0	7.0 x 3.5

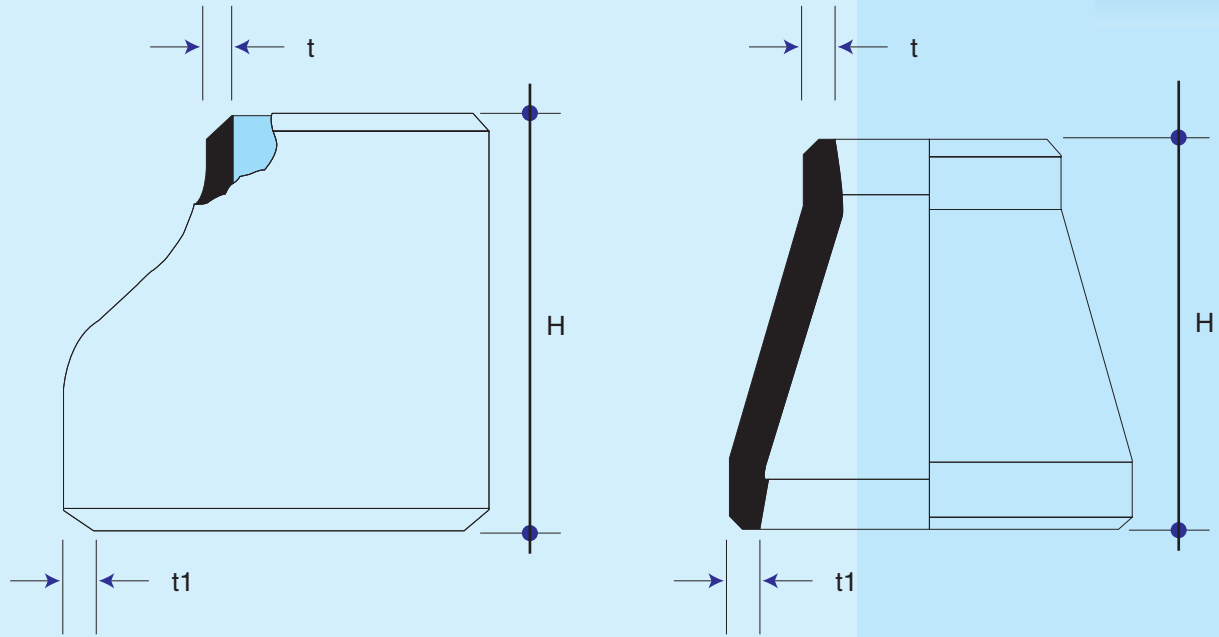
Note: Also available as per DIN 86089



Butt Weld Concentric and Eccentric Reducer

Dimension to ASME B 16.9

Nominal Pipe Size (NPS)	DN (MM)	Outside Diameter at Bevel		End-to-end H
		Large Ends	Small Ends	
3/4x1/2	20x15	26.7	21.3	38
1x3/4	25x20	33.4	26.7	51
1x1/2	25x15	33.4	21.3	51
1.1/2x1	40x25	48.3	33.4	64
1.1/2x3/4	40x20	48.3	26.7	64
1.1/2x1/2	40x15	48.3	21.3	64
2x1.1/2	50x40	60.3	48.3	76
2x1.1/4	50x32	60.3	42.2	76
2x1	50x25	60.3	33.4	76
2x3/4	50x20	60.3	26.7	76
2.1/2x2	65x50	73.0	60.3	89
2.1/2x1.1/2	65x40	73.0	48.3	89
2.1/2x1.1/4	65x32	73.0	42.2	89
2.1/2x1	65x25	73.0	33.4	89
3x2.1/2	80x65	88.9	73.0	89
3x2	80x50	88.9	60.3	89
3x1.1/2	80x40	88.9	48.3	89
3x1.1/4	80x32	88.9	42.2	89
3.1/2x3	90x80	101.6	88.9	102
3.1/2x2.1/2	90x65	101.6	73.0	102
3.1/2x2	90x50	101.6	60.3	102
3.1/2x1.1/2	90x40	101.6	48.3	102
3.1/2x1.1/4	90x32	101.6	42.2	102
4x3.1/2	100x90	114.3	101.6	102
4x3	100x80	114.3	88.9	102
4x2.1/2	100x65	114.3	73.0	102
4x2	100x50	114.3	60.3	102
4x1.1/2	100x40	114.3	48.3	102
6x5	150x125	168.3	141.3	140
6x4	150X100	168.3	114.3	140
6x3.1/2	150x90	168.3	101.6	140
6x3	150x80	168.3	88.9	140
6x2.1/2	150x65	168.3	73.0	140



Butt Weld Concentric and Eccentric Reducer

Dimension to ASME B 16.9

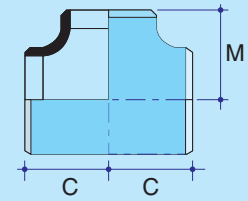
Nominal Pipe Size (NPS)	DN (MM)	Outside Diameter at Bevel		End-to-end H
		Large Ends	Small Ends	
8 x 6	200 x 150	219.1	168.3	152
8 x 5	200 x 125	219.1	141.3	152
8 x 4	200 x 100	219.1	114.3	152
8 x 3.1/2	200 x 90	219.1	101.6	152
10 x 8	250 x 200	273.0	219.1	178
10 x 6	250 x 150	273.0	168.3	178
10 x 5	200 x 125	273.0	141.3	178
10 x 4	250 x 100	273.0	114.3	178
12 x 10	300 x 250	323.8	273.0	203
12 x 8	300 x 200	323.8	219.1	203
12 x 6	300 x 150	323.8	168.3	203
12 x 5	300 x 125	323.8	141.3	203



Butt Weld Equal Tees

Dimensions to ASME B 16.9

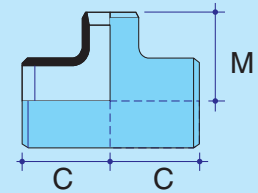
Nominal Pipe Size (NPS)	DN (mm)	Outside Diameter at Bevel (mm)	Centre - to -End	
			Run C (mm)	Outlet M (mm)
1/2	15	21.3	25	25
3/4	20	26.7	29	29
1	25	33.4	38	38
1.1/4	32	42.2	48	48
1.1/2	40	48.3	57	57
2	50	60.3	64	64



Butt Weld Reducing Tees

Dimensions to ASME B16.9

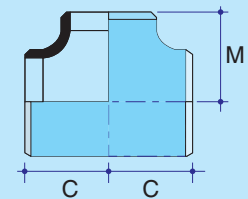
Nominal Pipe Size (NPS)	DN (mm)	Outside Diameter at Bevel		Centre - to -End	
		Run (mm)	Outlet (mm)	Run C (mm)	Outlet M (mm)
3/4x3/4x2	20x20x15	26.7	21.3	29	29
3/4x3/4x3/8	20x20x10	26.7	17.3	29	29
1x1x3/4	25x25x20	33.4	26.7	38	38
1x1x1/2	32x32x15	33.4	21.3	38	38
1.1/4x1.1/4x1	32x32x25	42.2	33.4	48	48
1.1/4x1.1/4x3/4	32x32x20	42.2	26.7	48	48
1.1/4x1.1/4x1/2	32x32x15	42.2	21.3	48	48
1.1/2x1.1/2x1.4	40x40x32	48.3	42.2	57	57
1.1/2x1.1/2x1	40x40x25	48.3	33.4	57	57
1.1/2x1.1/2x3/4	40x40x20	48.3	26.7	57	57
1.1/2x1.1/2x1/2	40x40x15	48.3	21.3	57	57
2x2x1.1/2	50x50x40	60.3	48.3	64	60
2x2x1.1/4	50x50x32	60.3	44.2	64	57
2x2x1	50x50x25	60.3	33.4	64	51
2x2x3/4	50x50x20	60.3	26.7	64	44



Butt Weld Equal Tees

Dimensions to EEMUA 146

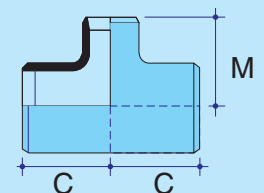
Run & Branch Outside Diameter (mm)	16 Bar Run & Branch Wall Thickness (mm)	20 Bar Run & Branch Wall Thickness (mm)	Centre - to -End	
			Run C (mm)	Outlet M (mm)
16	2.0	2.0	25	25
25	2.0	2.0	29	29
30	2.5	2.5	38	38
38	2.5	2.5	48	48
44.5	2.5	2.5	57	57
57	2.5	2.5	64	64

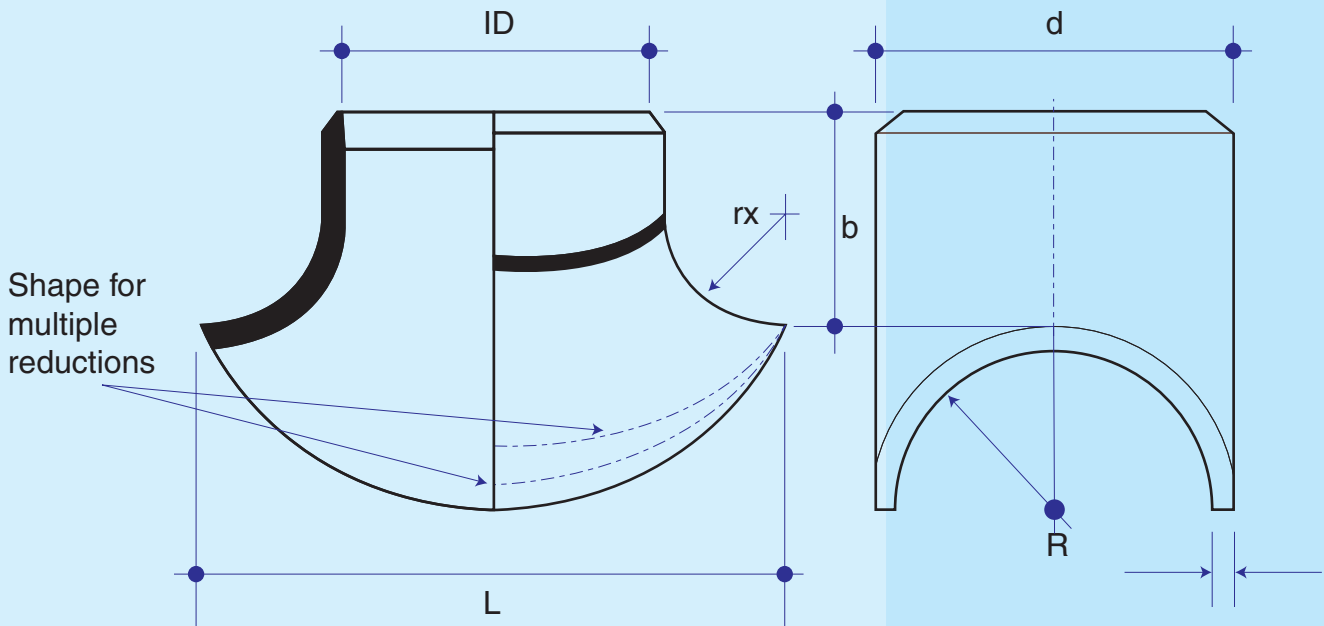


Butt Weld Reducing Tees

Dimensions to EEMUA 146

Run & Branch Outside Diameter (mm)	Run Wall Thickness		Branch Wall Thickness		Centre - to -End	
	16 Bar (mm)	20 Bar (mm)	16 Bar (mm)	20 Bar (mm)	Run C (mm)	Outlet M (mm)
25 x 16	2.0	2.0	2.0	2.0	29	29
30 x 25	2.5	2.5	2.0	2.0	38	38
38 x 30	2.5	2.5	2.5	2.5	48	48
38 x 25	2.5	2.5	2.0	2.0	48	48
44.5 x 38	2.5	2.5	2.5	2.5	57	57
44.5 x 30	2.5	2.5	2.5	2.5	57	57
44.5 x 25	2.5	2.5	2.0	2.0	57	57
44.5 x 16	2.5	2.5	2.0	2.0	57	57
57 x 44.5	2.5	2.5	2.5	2.5	64	64
57 x 38	2.5	2.5	2.5	2.5	64	64
57 x 30	2.5	2.5	2.5	2.5	64	64



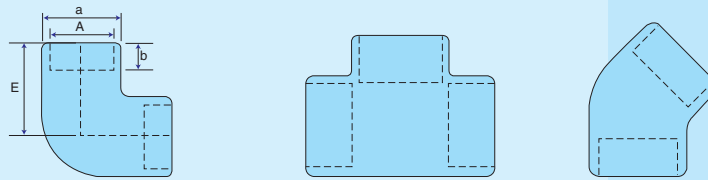
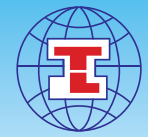


Equal & Unequal Saddles

Dimensions to EEMUA 146

Nominal Size in	Branch d mm	b+2 mm	L mm	Pipe Wall Thickness t mm		rx mm
				16 bar	20 bar	
1 1/2	44.5	35	74±2.5	2.5	2.5	15
2	57	40	97±3	2.5	2.5	20
2 1/2	76.1	50	126±3	2.5	2.5	25
3	88.9	55	149±3	2.5	2.5	30
4	108	75	188±4	3.0	3.0	40
6	159	95	279±4	3.0	3.0	60
8	219.1	125	379±5	4.0	4.5	80

Note : Also available as per DIN 86087



Socket Weld Forged Fittings : Elbows & Tees

Dimensions to EEMUA 146

Tube outside diameter	Outside diameter a	Depth of Socket b	Centre-to-Face, E		
			90° Elbows	45° Elbows	Tees
mm	mm	mm	mm	mm	mm
16.0	23.0	10.0	20.0	18.0	20.0
25.0	32.0	13.0	29.0	22.0	29.0
30.0	37.0	13.0	32.0	23.0	32.0
38.0	45.0	13.0	36.0	26.0	36.0
44.5	52.0	13.0	40.0	28.0	40.0
57.0	65.0	16.0	49.0	33.0	49.0

Socket Weld Forged Fittings : Elbows & Tees

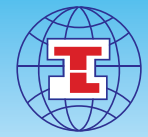
Dimensions to ASME B16.11, Class 3000 LB

Nominal Bore Inches	O.D. (mm)	Socket Dia. (mm)	Depth of Socket (mm)	Centre to bottom of socket		
				90° Elbows (mm)	45° Elbows (mm)	Tees (mm)
	a	A	b	E	E	E
1/4"	21.95	14.20	9.5	22.0	19.0	22.0
3/8"	25.80	17.60	9.5	25.0	19.0	25.0
1/2"	31.25	21.80	9.5	27.0	23.0	27.0
3/4"	37.10	37.20	12.5	34.0	27.0	34.0
1"	45.45	33.90	12.5	37.0	29.0	37.0
1.1/4"	54.90	42.70	12.5	42.0	32.0	42.0
1.1/2"	61.55	48.80	12.5	47.0	36.0	47.0
2"	75.25	61.20	16.0	56.0	43.0	56.0

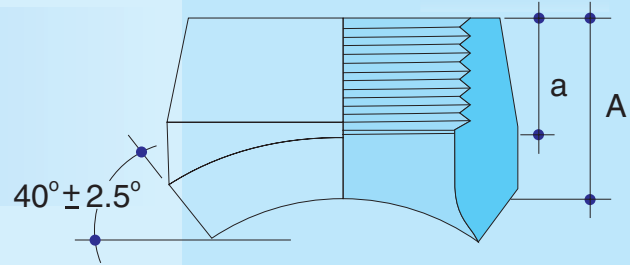
Threaded Forged Fittings : Elbows & Tees

Dimensions to ASME B16.11, Class 3000 LB

Nominal Bore Inches	O.D. (mm)	Centre to bottom of socket		
		90° Elbows (mm)	45° Elbows (mm)	Tees (mm)
	a	E	E	E
1/4"	25.0	25.0	19.0	25.0
3/8"	33.0	29.0	22.0	29.0
1/2"	38.0	33.0	25.0	33.0
3/4"	46.0	38.0	29.0	38.0
1"	56.0	44.0	33.0	44.0
1.1/4"	62.0	51.0	35.0	51.0
1.1/2"	75.0	60.0	43.0	60.0
2"	84.0	64.0	45.0	64.0



Threaded Self Reinforced Branch Connection Fittings :

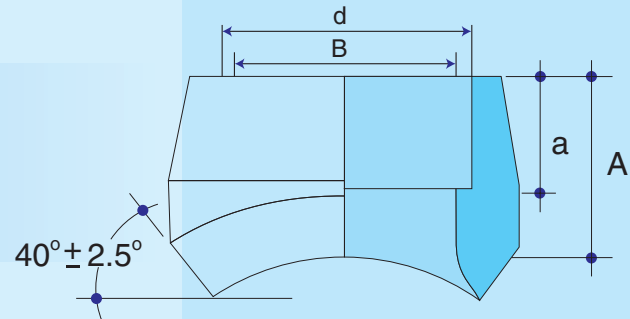


Threadolet Dimension to EEMUA 146

Nominal branch Size in NPT	Header Size Range		A nom. mm	B (bore) nom. mm	Pipe schedule and thickness		Length of Thread a min mm
	min. mm	max. mm			Sch	mm	
1/2"	25.0	44.5	25.4	11.74	160	4.78	13.5
	57.0	914	23.8	11.75	160	4.78	13.5
3/4"	30.0	44.5	26.9	15.58	160	5.56	14.0
	57.0	914	25.4	15.58	160	5.56	14.0
1"	38.0	44.5	33.3	20.70	160	6.35	17.5
	57.0	914	28.6	20.70	160	6.35	17.5
1.1/4"	57.0	914	33.3	29.50	160	6.35	18.0
1.1/2"	57.0	914	30.2	34.02	160	7.14	18.5
2"	76.1	914	38.1	42.82	160	8.74	19.0

Note: Also available as per MSS SP-97

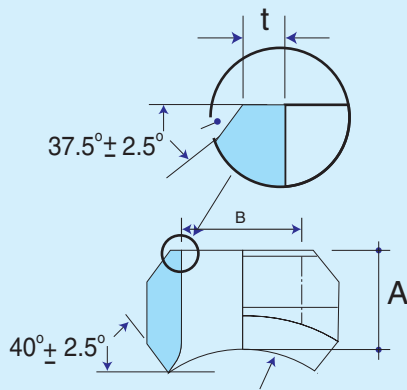
Socket Weld Self Reinforced Branch Connection Fittings :



Socket Dimensions to EEMUA 146

Branch specified Outside diameter mm	Header size range		a nom. mm	d		A nom. mm	B (bore)	
	min. mm	max. mm		max. mm	min. mm		Specified mm	min. mm
16.0	25.0	44.5	10.0	16.121	16.070	25.40	12.445	11.565
	57.0	914.0	10.0	16.121	16.070	23.80	12.445	11.565
25.0	30.0	44.5	13.0	25.131	25.080	26.90	21.445	20.575
	57.0	914.0	13.0	25.131	25.080	26.90	21.445	20.575
38.0	38.0	44.5	13.0	30.131	30.080	33.30	25.555	24.475
	57.0	914.0	13.0	30.131	30.080	28.60	25.555	24.475
38.0	57.0	914.0	13.0	38.146	38.095	33.30	33.570	32.490
44.5	57.0	914.0	13.0	44.646	44.595	30.20	40.070	38.990
57.0	76.1	914.0	16.0	57.276	38.10	38.10	52.700	51.620
76.1	88.9	914.0	19.0	76.376	76.325	46.04	71.800	70.650
88.9	108.0	914.0	19.0	89.226	89.175	50.80	84.650	83.500
108	159.0	914.0	24.0	108.326	108.275	57.15	102.850	101.400

Note: Also available as per MSS SP-97



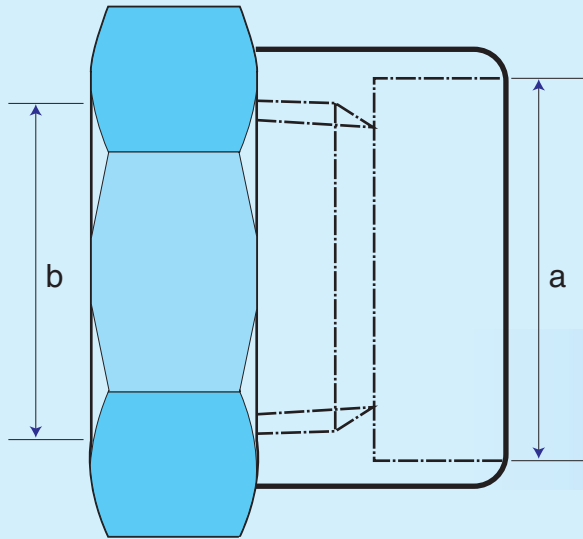
Butt Welding Self Reinforced Branch Connection Fittings :

**Weld Olet
Dimension to EEMUA 146**

16 BAR							
Branch specified Outside diameter mm	Header size range		A nom. mm	B (bore)		t	
	min. mm	max. mm		max. mm	min. mm	Specified mm	min. mm
16.0	16	44.5	19.05	12.445	11.565	2.0	1.80
	57	610.0	17.50	12.445	11.565	2.0	1.80
25.0	25	44.5	22.0	21.445	20.575	2.0	1.80
	57	610.0	20.60	21.445	20.575	2.0	1.80
30.0	30	44.5	27.00	25.555	24.475	2.5	2.25
	57	610.0	22.20	25.555	34.475	2.5	2.25
38.0	38	44.5	30.20	33.570	32.490	2.5	2.25
	57	610.0	25.40	33.570	32.490	2.5	2.25
44.5	44.5	...	33.30	40.070	38.990	2.5	2.25
	57	610.0	28.60	40.070	38.990	2.5	2.25
57.0	57	76.1	38.10	52.700	51.620	2.5	2.25
	88.9	610.0	33.30	52.700	51.620	2.5	2.25
76.1	76.1	108.0	47.60	71.800	70.650	2.5	2.25
	159	610.0	44.50	71.800	70.650	2.5	2.25
88.9	88.9	108.0	47.60	84.650	83.500	2.5	2.25
	159	610.0	44.50	84.650	83.500	2.5	2.25
108.0	108	...	52.40	102.850	101.400	3.0	2.70
	159	...	49.20	102.850	101.400	3.0	2.70
	219.1	610.0	49.20	102.850	101.400	3.0	2.70

20 BAR							
Branch specified Outside diameter mm	Header size range		A nom. mm	B (bore)		t	
	min. mm	max. mm		max. mm	min. mm	Specified mm	min. mm
16.0	16	44.5	19.05	12.445	11.565	2.0	1.80
	57	610.0	17.50	12.445	11.565	2.0	1.80
25.0	25	44.5	22.20	21.445	20.575	2.0	1.80
	57	610.0	20.60	21.445	20.575	2.0	1.80
30.0	30	44.5	27.00	25.555	24.475	2.5	2.25
	57	610.0	22.20	25.555	34.475	2.5	2.25
38.0	38	44.5	3.20	33.570	32.490	2.5	2.25
	57	610.0	25.40	33.570	32.490	2.5	2.25
44.5	44.5	...	33.30	40.070	35.990	2.5	2.25
	57	610.0	28.60	40.070	35.990	2.5	2.25
57.0	57	76.1	38.10	52.700	51.620	2.5	2.25
	88.9	610.0	33.30	52.700	51.620	2.5	2.25
76.1	76.1	108.0	47.60	71.800	70.650	2.5	2.25
	159	610.0	44.50	71.800	70.650	2.5	2.25
88.9	88.9	108.0	47.60	84.650	83.500	2.5	2.25
	159	610.0	44.50	84.650	83.500	2.5	2.25
108.0	108	...	52.40	102.850	101.400	3.0	2.70
	159	...	49.20	102.850	101.400	3.0	2.70
	219.1	610.0	49.20	102.850	101.400	3.0	2.70

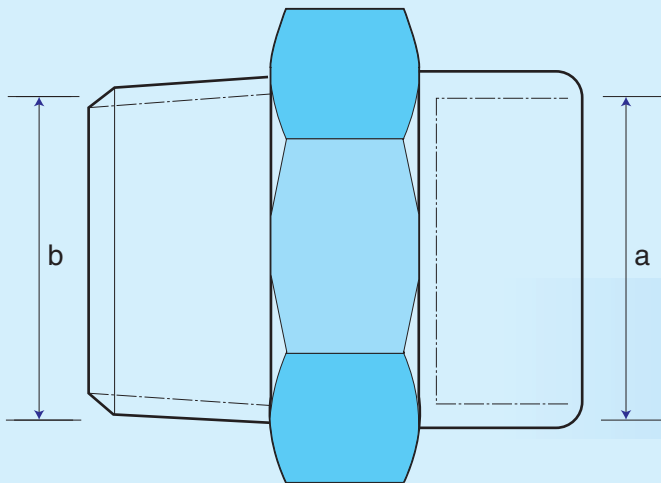
Note: Also available as per MSS SP-97



Capillary/Socket Weld Fittings

Female Connectors

Female Connectors				
Size mm	a mm	b mm	Length mm	A/F mm
16.0 x 1/2"	16.0	1/2"NPT	35.0	27.0
25.0 x 3/4"	25.0	3/4"NPT	34.0	32.0
30.0 x 1"	30.0	1"NPT	40.0	41.0
38.0 x 1.1/4"	38.0	1.1/4"NPT	42.0	50.0
44.5 x 1.1/2"	44.5	1.1/2"NPT	46.0	55.0
57.0 x 2"	57.0	2"NPT	50.0	70.0



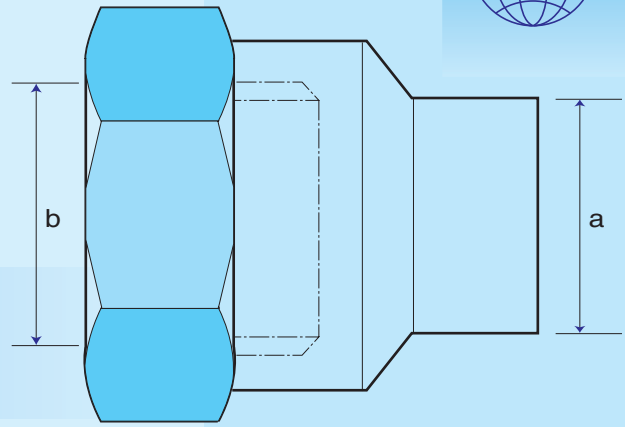
Capillary/Socket Weld Fittings

Male Connectors

Male Connectors				
Size mm	a mm	b mm	Length mm	A/F mm
16.0 x 1/2"	16.0	1/2"NPT	38.0	24.0
25.0 x 3/4"	25.0	3/4"NPT	40.0	36.0
30.0 x 1"	30.0	1"NPT	43.0	41.0
38.0 x 1.1/4"	38.0	1.1/4"NPT	45.0	50.0
44.5 x 1.1/2"	44.5	1.1/2"NPT	47.5	55.0
57.0 x 2"	57.0	2"NPT	54.0	65.0



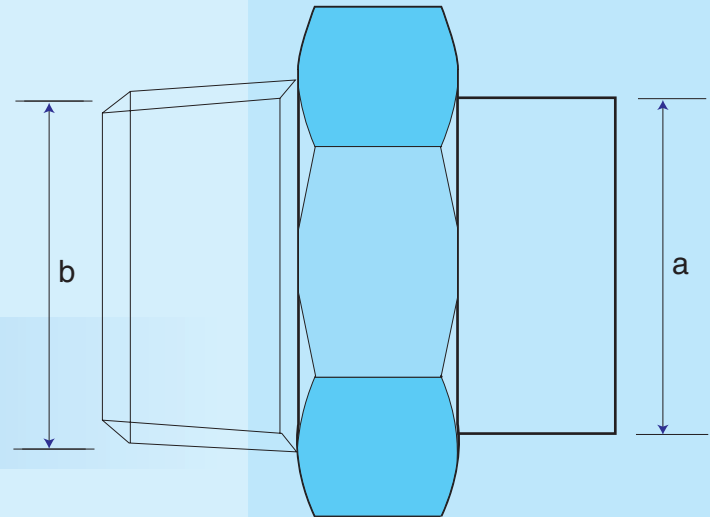
Capillary/Socket Weld Fittings



Female Adaptors

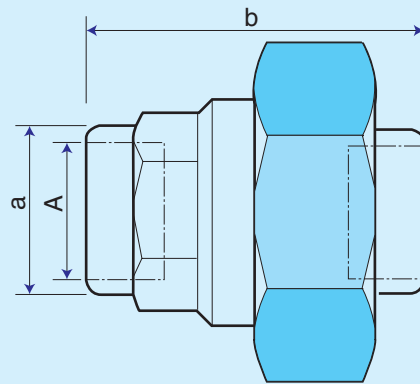
Female Adaptors				
Size mm	a mm	b mm	Length mm	A/F mm
16.0x1/2"	16.0	1/2" NPT	35.0	27.0
25.0x3/4"	25.0	3/4" NPT	40.0	36.0
30.0x1"	30.0	1" NPT	46.0	41.0
38.0x1.1/4"	38.0	1.1/4" NPT	48.0	50.0
44.5x1.1/2"	44.5	1.1/2" NPT	48.0	55.0
57.0x2"	57.0	2" NPT	55.0	70.0

Capillary/Socket Weld Fittings



Male Adaptors

Male Adaptors				
Size mm	a mm	b mm	Length mm	A/F mm
16.0x1/2"	16.0	1/2" NPT	41.0	24.0
25.0x3/4"	25.0	3/4" NPT	40.0	32.0
30.0x1"	30.0	1" NPT	47.0	36.0
38.0x1.1/4"	38.0	1.1/4" NPT	50.0	50.0
44.5x1.1/2"	44.5	1.1/2" NPT	55.5	50.0
57.0x2"	57.0	2" NPT	64.0	65.0



Socket Weld Union

Socket Dimensions to ASME 16.11 3000 lb / BS 3799

Nominal Pipe Size (inch)	A (mm)	a (mm)	b (mm)	c A/F (mm)	d A/F (mm)
1/2"	21.70	31.25	38	50	50
3/4"	27.05	37.1	46	50	55
1"	33.80	45.45	52	55	60
1.1/4"	42.55	54.9	54	60	70
1.1/2"	48.65	61.55	56	80	85

Threaded Union

NPT Threads Dimensions to ASME 16.11 3000 lb / BS 3799

Nominal Pipe Size (inch)	Tube Outside Diameter (mm)	a (mm)	b (mm)	c A/F (mm)	d A/F (mm)
1/2"	21.70	29.0	51	50	50
3/4"	27.05	35.0	57	50	55
1"	33.80	44.0	64	55	60
1.1/4"	42.55	57.0	70	65	70
1.1/2"	48.65	64.0	79	80	85

Socket Weld & Capillary Union

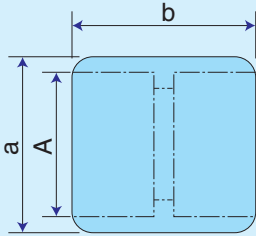
Socket Dimensions to EEMUA 146

Tube Outside Diameter (mm)	a (mm)	b (mm)	c A/F (mm)	d A/F (mm)
16	23	46	41	50
25	32	46.5	50	50
30	37	49.5	50	50
38	45	49.5	55	60
44.5	52	65.5	60	70
57	65	71	80	85

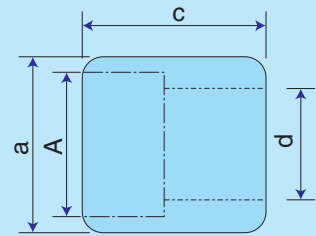


Socket Weld Full & Half Couplings

Dimensions to ASME B 16.11 3000 lb / BS 3799

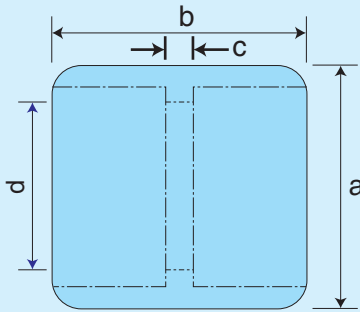


Nominal Pipe Size (inch)	a (mm)	A (mm)	b (mm)	c (mm)	d (mm)
1/2"	31.25	21.70	29.5	32	16
3/4"	37.10	27.05	35.5	36.5	21
1"	45.45	33.80	39.0	42.0	27
1.1/4"	54.90	42.55	39.0	43.0	35
1.1/2"	61.55	48.65	39.0	45.0	41
2"	72.25	61.10	51.0	57.0	53

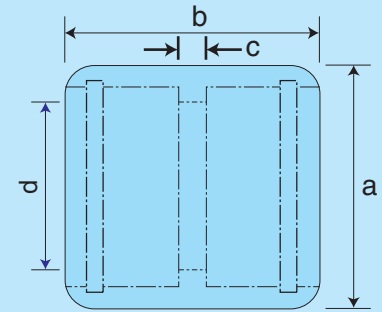


Socket Weld / Capillary Full Couplings

Dimensions to EEMUA 146



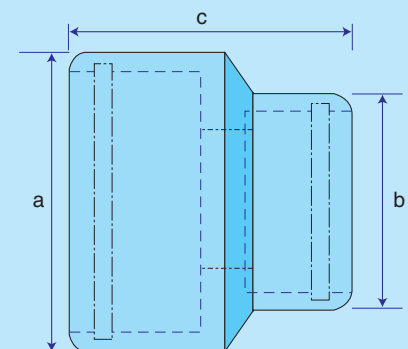
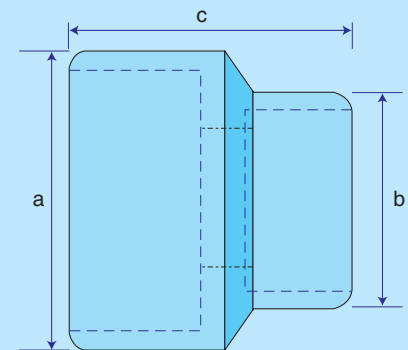
Tube Outside Diameter (mm)	a (mm)	b (mm)	c (mm)	d (mm)
16	23.0	22.0	2.0	12.0
25	32.0	28.0	2.0	21.0
30	37.0	28.0	2.0	25.0
38	45.0	28.0	2.0	33.0
44.5	52.0	28.5	2.0	39.5
57	65.0	34.0	2.0	52.0



Socket Weld / Capillary Reducing Coupling

Dimensions to EEMUA 146

Tube outside diameter (mm)	a mm	b mm	c mm
25.0 x 16.0	32.0	23.0	26.5
30.0 x 16.0	37.0	23.0	26.5
30.0 x 25.0	37.0	32.0	29.5
38.0 x 16.0	45.0	23.0	29.0
38.0 x 25.0	45.0	32.0	29.5
38.0 x 30.0	45.0	37.0	29.5
44.5 x 16.0	52.0	23.0	30.0
44.5 x 25.0	52.0	32.0	32.0
44.5 x 30.0	52.0	37.0	29.5
44.4 x 38.0	52.0	45.0	29.5
57.0 x 16.0	65.0	32.0	35.5
57.0 x 25.0	65.0	32.0	37.0
57.0 x 30.0	65.0	37.0	35.0
57.0 x 38.0	65.0	45.0	34.0
57.0 x 44.5	65.0	52.0	33.0

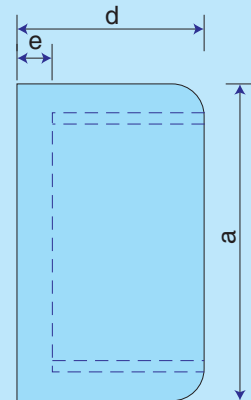
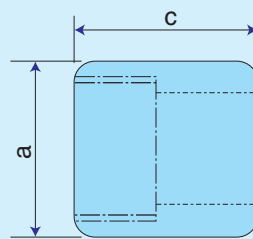
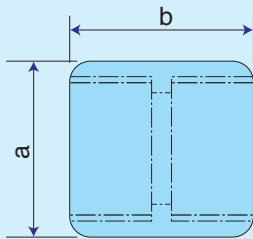
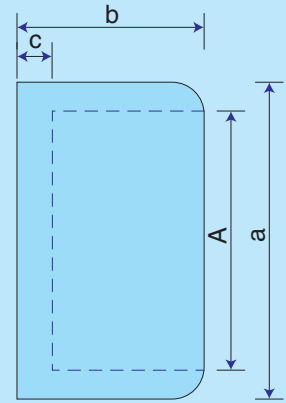




Socket Weld Caps

Dimensions to ASME B16.11 3000 lb

Nominal Pipe Size (inch)	a (mm)	A (mm)	b (mm)	c (mm)
1/2"	31.25	21.70	18.0	6.5
3/4"	37.10	27.05	23.0	6.5
1"	45.45	33.80	24.0	9.5
1.1/4"	54.90	42.55	26.0	9.5
1.1/2"	61.55	48.65	27.0	11.0
2"	72.25	61.10	34.0	12.5



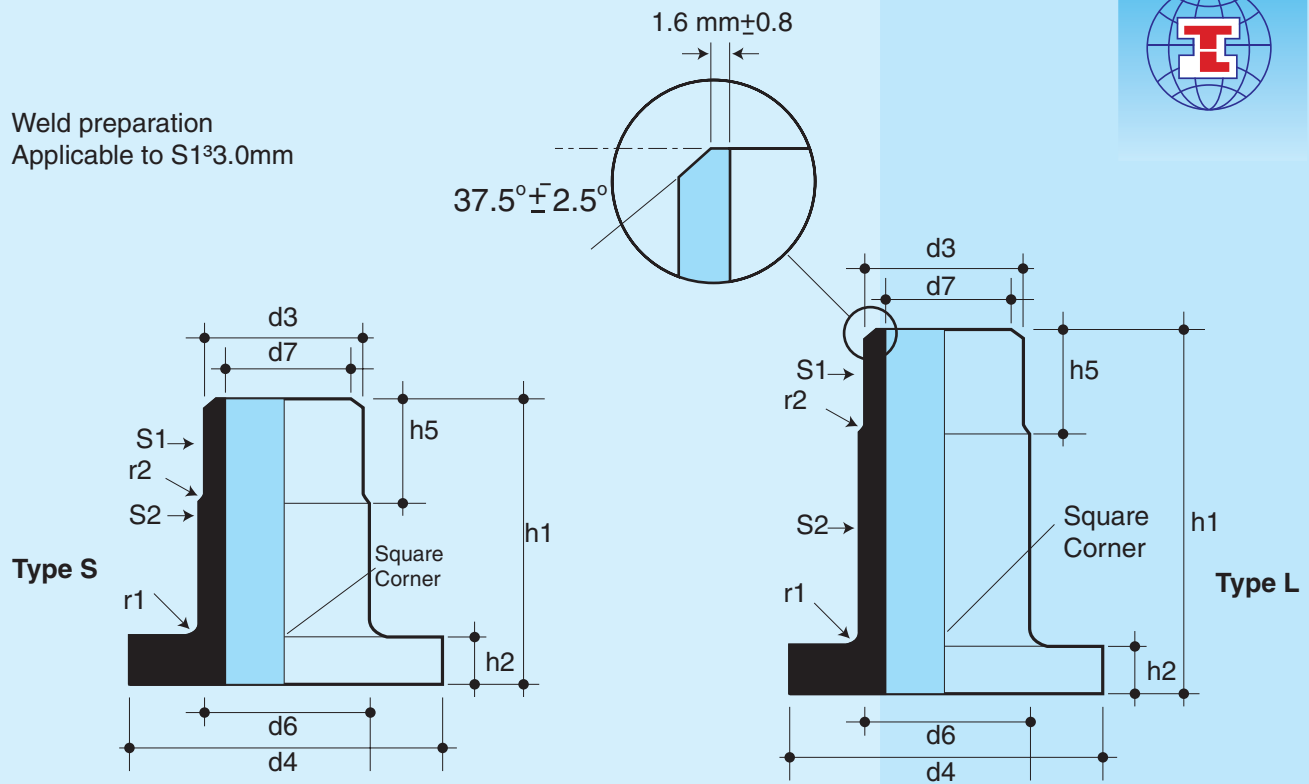
Threaded Couplings, Half Couplings & Caps

Dimensions to ASME B16.11 3000 lb

Nominal Pipe Size (inch)	Tube Outside Diameter (mm)	a (mm)	b (mm)	c (mm)	d (mm)	e (mm)
1/2"	21.70	29.0	48.0	24.0	32.0	6.5
3/4"	27.05	35.0	51.0	25.5	37.0	6.5
1"	33.80	44.0	60.0	30.0	41.0	9.5
1.1/4"	42.55	57.0	67.0	33.5	44.0	9.5
1.1/2"	48.65	64.0	79.0	39.5	44.0	11.0
2"	61.10	76.0	86.0	43.0	48.0	12.5



Weld preparation
Applicable to S1³3.0mm



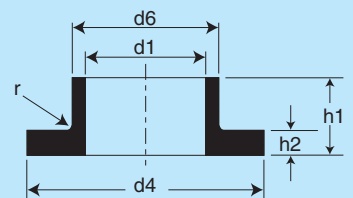
Weld Neck Inner Short & Long Stub Ends Dimensions to EEMUA 145

Size		d3	d4	d6	d7	Type	Type	h2	r1	r2	h5	16 Bar		20 Bar	
						"S"	"L"					S1	S2	S1	S2
in.	mm					h1	h1					min	S2	mim	S2
1/2	16	16	40	18	12.00	35	51	4	2	3	15	2.0	3.0	2.0	3.0
3/4	25	25	50	27	21.00	40	51	5	3	3	15	2.0	3.0	2.0	3.0
1	30	30	60	32	25.00	40	51	5	4	3	15	2.5	3.5	2.5	3.5
1.1/4	38	38	70	40	33.03	40	51	5	4	3	15	2.5	3.5	2.5	3.5
1.1/2	44.5	44.5	80	46.5	39.53	45	51	6	4	3	15	2.5	3.5	2.5	3.5
2	57	57	99	59	52.16	45	64	6	5	3	15	2.5	3.5	2.5	3.5
2.1/2	76.1	76.1	120	78	71.23	45	64	6	5	3	15	2.5	3.5	2.5	3.5
3	88.9	88.9	130	91	84.08	50	64	7	5	3	15	2.5	3.5	2.5	3.5
4	108	108	158	110	102.13	50	76	7	5	3	15	3.0	4.0	3.0	4.0
6	159	159	212	161.5	153.75	50	89	9	5	5	15	3.0	4.0	3.5	4.5
8	219.1	219.1	270	222	211.10	50	102	9	5	5	15	4.0	5.5	4.5	6.0

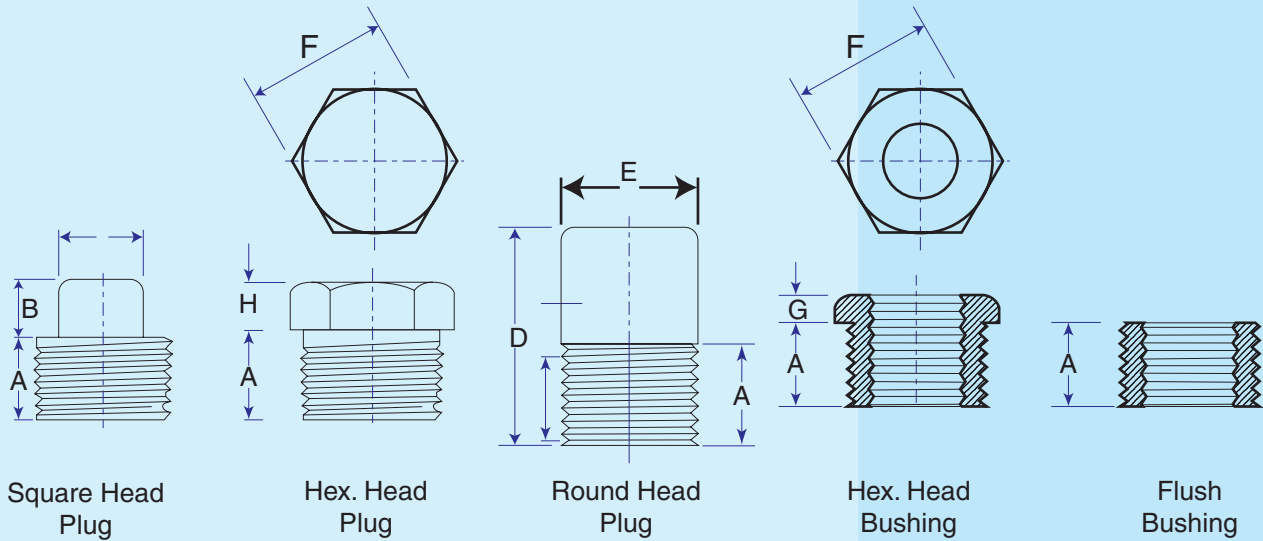
Note : Also available as per DIN 86037

Slip-on Stub Ends : 16 & 20 bar ratings Dimensions to EEMUA 145

Size	d1	d6	d4	h1	h2	r
In.	mm					
1/2	16.07	21	40	16	5	1
3/4	25.08	31	53	16	5	1
1	30.08	36	60	18	5	1
1.1/4	38.10	45	70	18	5	1
1.1/2	44.60	51	80	19	5	1
2	57.23	67	99	19	6	1
2.1/2	76.33	87	120	19	6	1
3	89.18	100	130	21	7	1
4	108.38	120	158	23	7	1



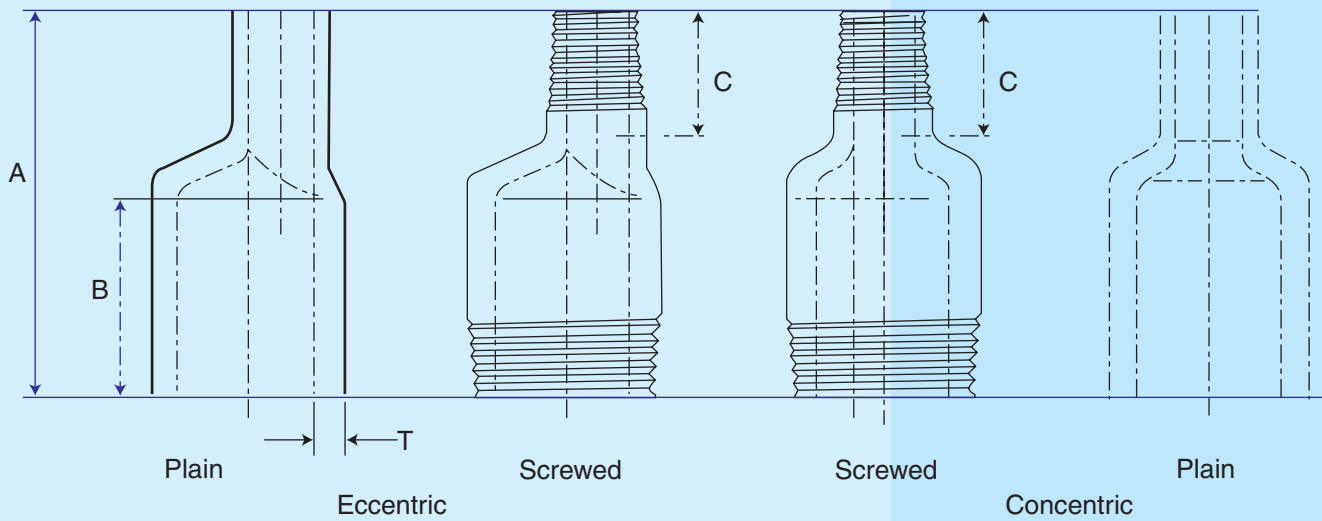
Note : All dimensions are in millimeters except where indicated.



PLUGS AND BUSHINGS

Dimensions to ASME 16.11 3000 lb

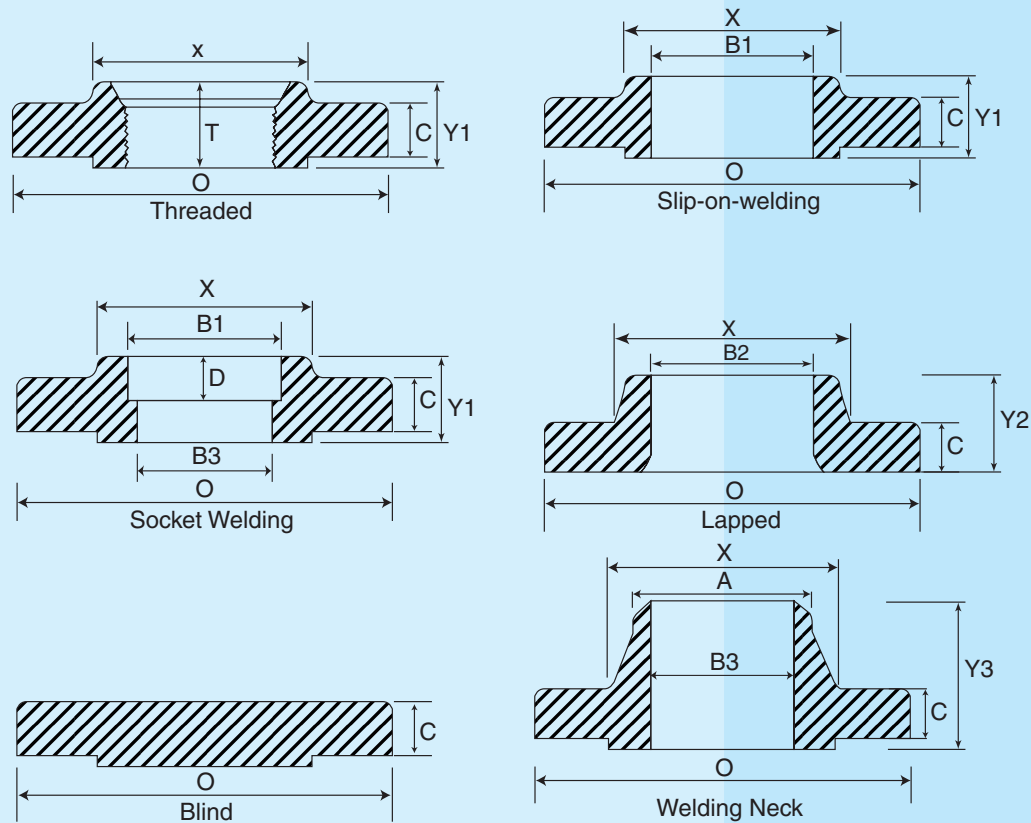
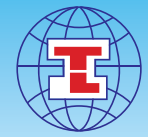
Nominal Pipe Size	Min. Length A	Square Head Plugs		Round Head Plugs Hex		plugs and Bushings		
		Min. Square Height B	Min. Width Flat C	Nominal Head Diameter E	Min. Length D	Nominal Width Flat E	Min. Hex Height	
							Bushing G	Plug H
1/8	10	6	7	10	35	11		6
1/4	11	6	10	14	41	16	3	6
3/8	13	8	11	18	41	18	4	8
1/2	14	10	14	21	44	22	5	8
3/4	16	11	16	27	44	27	6	10
1	19	13	21	33	51	36	6	10
1.1/4	21	14	24	43	51	46	7	14
1.1/2	21	16	28	48	51	50	8	16
2	22	18	32	60	64	65	9	18
2.1/2	27	19	36	73	70	75	10	19



SWAGED NIPPLES

Dimensions to BS 3799 / MSS SP - 95

Nominal Size		Parallel Length		
		(mim) A	(mim) B	(mim) C
in	mm	mm	mm	mm
3/4x1/2	20x15	95	57	22
1x3/4	25x20	102	64	22
1x1/2	25x15	102	64	22
1.1/2x3/4	40x20	114	70	25
1.1/2x1/2	40x15	114	70	25
2x1.1/2	50x40	165	108	29
2x1	50x25	165	108	29
2x3/4	50x20	165	108	29
2x1/2	50x15	165	108	29
2.1/2x2	65x50	178	114	32
2.1/2x1.1/2	65x40	178	114	32
3x2.1/2	60x65	203	133	41
3x2	80x50	203	133	41
3x1.1/2	80x40	203	133	41
4x3	100x80	229	140	48
4x2.1/2	100x65	229	140	48

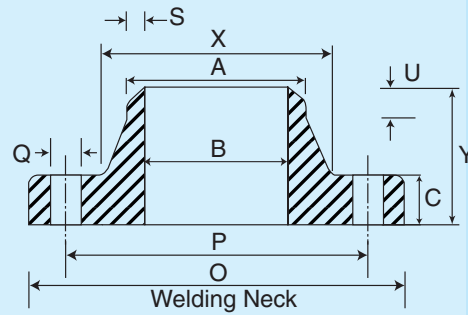


Pipe Flanges

Dimension to ASME B 16.5 150 lb Class

Nominal Pipe Size	Outside diameter of Flange O	Thickness of Flange Min. C	Diameter of Hub X	Hub Diameter beginning of Welding Neck A	Length Through Hub			Thread Length Threaded Flange Min. T	Bore			Corner radius of bore of Lapped Flange r	Depth of Socket D
					Threaded Slip-On Socket Welding Y	Lapped Y	Welding Neck Y		Slip-On Socket Welding Min. B	Lapped Min. B	Welding Neck Socket Welding B		
1/2	3.5	0.44	1.19	0.84	0.62	0.62	1.82	0.62	0.88	0.9	0.62	0.12	0.38
3/4	3.88	0.5	1.5	1.05	0.62	0.62	2.06	0.62	1.09	1.11	0.82	0.12	0.44
1	4.25	0.56	1.94	1.32	0.69	0.69	2.19	0.69	1.36	1.38	1.05	0.12	0.5
1.1/4	4.62	0.62	2.31	1.66	0.81	0.81	2.25	0.81	1.7	1.72	1.38	0.19	0.56
1.1/2	5	0.69	2.56	1.9	0.88	0.88	2.44	0.88	1.95	1.97	1.61	0.25	0.62
2	6	0.75	3.06	2.38	1	1	2.5	1	2.44	2.46	2.07	0.31	0.69
2.1/2	7	0.88	3.56	2.88	1.12	1.12	2.75	1.12	2.94	2.97	2.47	0.31	0.75
3	7.5	0.94	4.25	3.5	1.19	1.19	2.75	1.19	3.57	3.6	3.07	0.38	0.81
3.1/2	8.5	0.94	4.81	4	1.25	1.25	2.81	1.25	4.07	4.1	3.55	0.38	..
4	9	0.94	5.31	4.5	1.31	1.31	3	1.31	4.6	4.6	4.03	0.44	..

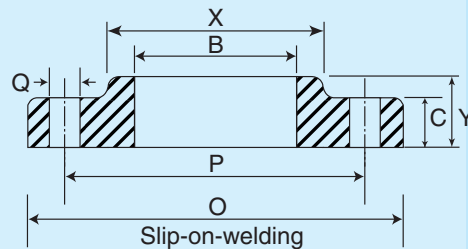
Note : Dimensions are in inch. Other size & class ranges are available on request.



Solid Weld Neck Flange

Dimensions to EEMUA 145, 16 & 20 Bar

Tube Outside Diameter	Outside Diameter of Flange	Thickness of Flange	Diameter of Hub	Hub Dia. at Weld Chamfer	Length Through Hub	Bore of Flange	Thickness of Hub at Weld. End	Parallel Length on Hub	Diameter of Bolt Circle	Number of Bolt Holes	Diameter of Bolt Holes
(mm)	O	C	X	A	Y	B	S	U	P	(pcs)	Q
16	89	14	23	16.0	48	12.00	2.0	8	60.3	4	15.9
25	98	16	32	25.0	52	21.00	2.0	7	69.8	4	15.9
30	108	16	42	30.0	56	25.00	2.5	8	79.4	4	15.9
38	117	17	51	38.0	57	33.03	2.5	8	88.9	4	15.9
44.5	127	20	61	44.5	62	39.53	2.5	7	98.4	4	15.9
57	152	25	73	57.0	64	52.16	2.5	9	120.6	4	19.0
76.1	178	27	91	76.1	70	71.23	2.5	8	139.7	4	19.0
88.9	190	27	105	88.9	70	84.08	2.5	8	152.4	4	19.0
108	229	27	135	108.0	76	102.13	3.0	8	190.5	8	19.0



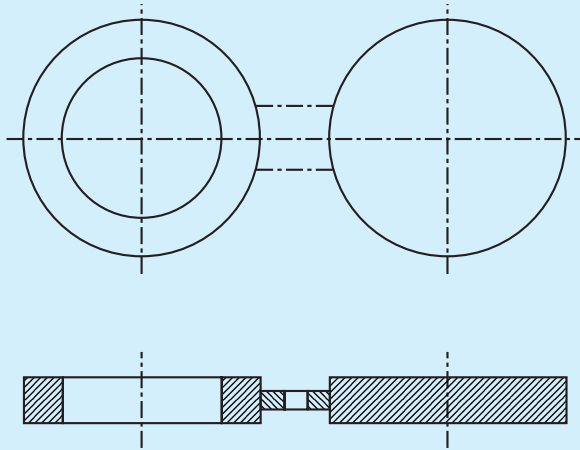
Solid Slip On Flange

Dimensions to EEMUA 145

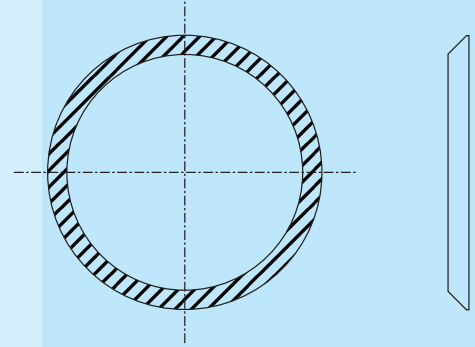
Tube Outside Diameter	Outside Diameter of Flange	Thickness of Flange	Diameter of Hub	Length Through Hub	Bore of Flange	Corner Radius	Diameter of Bolt Circle	Number of Bolt Holes	Diameter of Bolt Holes
(mm)	O	C	X	Y	B	R	P	(pcs)	Q
16	89	14	23	20	16.07	4	60.3	4	15.9
25	98	16	32	24	25.08	4	69.8	4	15.9
30	108	16	42	24	30.08	4	79.4	4	15.9
38	117	17	51	26	38.10	6	88.9	4	15.9
44.5	127	20	61	26	44.60	6	98.4	4	15.9
57	152	25	73	28	57.23	6	120.6	4	19.0
76.1	178	27	91	32	76.33	6	139.7	4	19.0
88.9	190	27	105	34	89.18	6	152.4	4	19.0
108	229	27	135	40	108.40	8	190.5	8	19.0



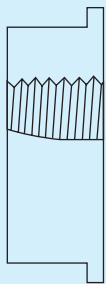
Special Items Available on Request



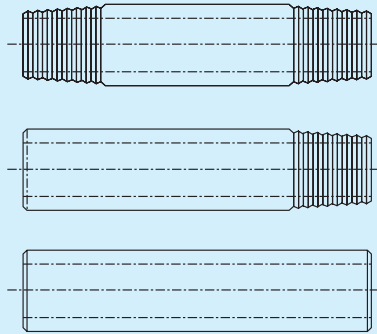
Line Blank



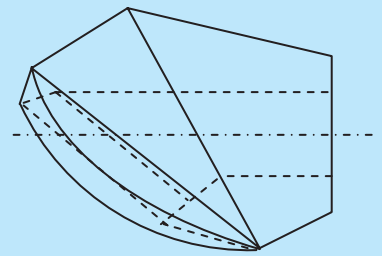
Blind Flange Liner



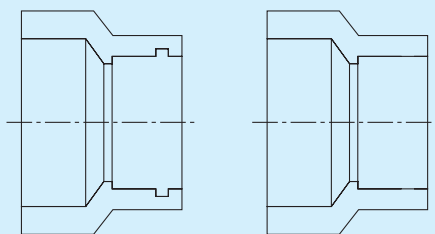
Sprinkler Bush



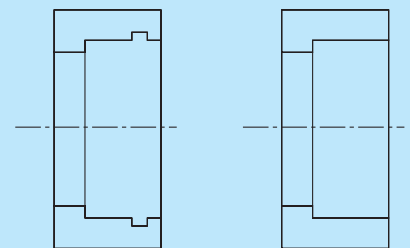
Threaded & Plain Ends Pipe Nipple



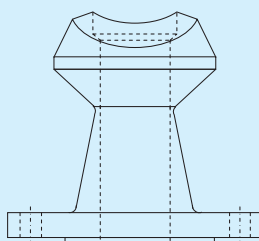
Elbowlet



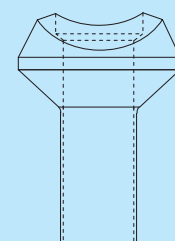
Reducing Insert Type A



Reducing Insert Type B



Weld-o-flange



Nipolet



DELIVERY

"Meeting Customers' requirements through on time delivery" is one of the major objectives of our quality policy. We understand the inconvenience and cost incurred at the customer's end in waiting for critical supplies. We keep in our stock small quantities of fittings of our regular product range, which can be supplied off the shelf. Our work force is flexible and understands the changing customer demands. Therefore large quantities of fittings can also be supplied in a reasonable time period



APPROVALS & QUALITY ASSURANCE

ITL's Quality Management System (QMS) has been approved by international certification body Lloyd's Register Quality Assurance (LRQA) to the quality management system standard BS EN ISO 9001: 2008. Our QMS has also been approved by Lloyd's Register Verification meeting the requirements of Annex I, Clause 4.3 of Pressure Equipment Directive 97/EC/23. The effort and investment that ITL has made to achieve this standard is a sign of how serious the company is about establishing and maintaining quality standard. Our products are traceable to each stage of manufacturing down to raw materials supplier. We have following NDT facilities in our quality control laboratory: Liquid Penetration Test according to ASTM E165 and BS EN 571-1, Rockwell and Brinell Hardness Tester. If any destructive testing is required by the customer we can arrange the same from a qualified laboratory.



World Class Pipe Fittings Solutions



COMPETITIVE ADVANTAGES AT A GLANCE

We summarize below our competitive advantages, which can bring benefits both to our clients and ourselves.

We have patrons and development partners in Europe who have over 50 years of experience in this field. We keep ourselves in touch with latest technological developments through them. We also get assistance from them on quality control and product development.

We have a very skilled and hardworking work force. In addition we help them continuing their professional developments though need assessment and by arranging appropriate training home and abroad.

Our products meet international standards.

Because of an enterprise of the export processing zone and because of our geographical location we can deliver our products quickly to our clients either in the East or in the West.

We offer competitive prices for our products.





**Intercontinental
Technology
Limited.**

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