FITTINGS

GALVANISED MALLEABLE IRON PIPE FITTINGS

STANDARD AND IDENTIFICATION
Standard for production and use EN 10242 : 1994. Fittings made of high quality blackheart malleable cast iron to ASTM A-197, ASTM A47.

THREADS
The threads are cut according to AS 1722.1 / ISO 7/1. Parallel internal thread (RP) and tapered external thread (R).

APPLICATION
All the fittings are adequate for the supply of water at recommended maximum working pressures of 1379kPa and gas, steam and compressed air at recommended maximum working pressure of 1034 kPa. Note: Working pressures may also be limited by relevant pressure piping codes or Industry regulations.

DIMENSIONS
All the fittings are manufactured to the specifications of standard BS EN 10242, BS 143, BS 1256.

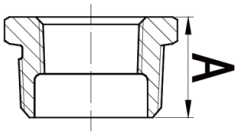
INSPECTION
All the fittings are inspected for conformity with the specifications of standard EN 10242.

MARKING
All the fittings, when possible, are marked with brand and/or with the nominal size Identification.

HOT DIP
The fittings are delivered in hot dip galvanised finish, as prescribed by the standard EN 10242.

LEAK TEST
Applying the standard EN 10242 each individual fitting is subjected to a pressure test with a min. hydrostatic pressure of 2068 kPa, which is equivalent to a pneumatic pressure of min. 500 kPa, without showing any sign of leakage or abnormality.

Galvanised Malleable Hexagon Bush			
Code	Size (mm)	A	Approx Weight
GB008006	8 x 6	20	0.02
GB010006	10 x 6	20	0.02
GB010008	10 x 8	20	0.02
GB015006	15 x 6	24	0.04
GB015008	15 x 8	24	0.04
GB015010	15 x 10	24	0.03
GB020006	20 x 6	26	0.07
GB020008	20 x 8	26	0.07
GB020010	20 x 10	26	0.06
GB020015	20 x 15	26	0.05
GB025008	25 x 8	29	0.11
GB025010	25 x 10	29	0.11
GB025015	25 x 15	29	0.10
GB025020	25 x 20	29	0.10
GB032010	32 x 10	31	0.18
GB032015	32 x 15	31	0.18
GB032020	32 x 20	31	0.17
GB032025	32 x 25	31	0.13
GB040010	40 x 10	31	0.24
GB040015	40 x 15	31	0.24



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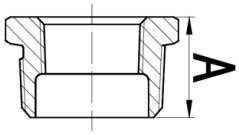
GALVANISED MALLEABLE IRON PIPE FITTINGS



Galvanised Malleable Hexagon Bush (continued)			
Code	Size (mm)	A	Approx Weight
GB040020	40 x 20	31	0.24
GB040025	40 x 25	31	0.20
GB040032	40 x 32	31	0.14
GB050010	50 x 10	48	0.28
GB050015	50 x 15	48	0.32
GB050020	50 x 20	48	0.32
GB050025	50 x 25	35	0.39
GB050032	50 x 32	35	0.34
GB050040	50 x 40	35	0.28
GB065025	65 x 25	54	0.66
GB065032	65 x 32	54	0.57
GB065040	65 x 40	40	0.58
GB065050	65 x 50	40	0.50
GB080025	80 x 25	59	0.98
GB080032	80 x 32	59	0.95
GB080040	80 x 40	59	0.87
GB080050	80 x 50	44	0.91
GB080065	80 x 65	44	0.63
GB100050	100 x 50	69	1.50
GB100065	100 x 65	69	1.62
GB100080	100 x 80	51	1.28
GB125100	125 x 100	47	2.02
GB150080	150 x 80	86	4.20
GB150100	150 x 100	86	4.29
GB150125	150 x 125	69	2.94

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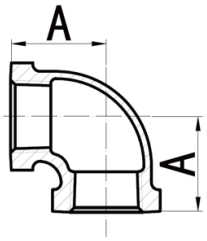
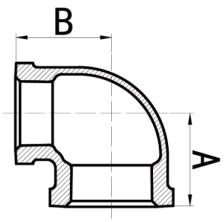
GALVANISED MALLEABLE IRON PIPE FITTINGS

Galvanised Malleable Female-Female Elbow 90°			
Code	Size (mm)	A	Approx Weight
GE006	6	19	0.03
GE008	8	21	0.05
GE010	10	25	0.07
GE015	15	28	0.08
GE020	20	33	0.13
GE025	25	38	0.20
GE032	32	45	0.31
GE040	40	50	0.45
GE050	50	58	0.68
GE065	65	69	1.01
GE080	80	78	1.46
GE100	100	96	2.59
GE150	15	131	6.72



Galvanised Malleable Female-Female Reducing Elbow 90°				
Code	Size (mm)	A	B	Approx Weight
GER015008	15 x 8	24	24	0.07
GER015010	15 x 10	26	26	0.12
GER020010	20 x 10	28	28	0.12
GER020015	20 x 15	30	31	0.10
GER025010	25 x 10	30	32	0.16
GER025015	25 x 15	32	34	0.13
GER025020	25 x 20	35	36	0.16
GER032015	32 x 15	32	37	0.18
GER032020	32 x 20	36	41	0.22
GER032025	32 x 25	40	42	0.25
GER040015	40 x 15	34	41	0.25
GER040020	40 x 20	37	42	0.30
GER040025	40 x 25	42	46	0.30
GER040032	40 x 32	46	48	0.37
GER050015	50 x 15	35	47	0.33
GER050020	50 x 20	40	48	0.41
GER050025	50 x 25	43	50	0.42
GER050032	50 x 32	47	53	0.53
GER050040	50 x 40	52	56	0.55



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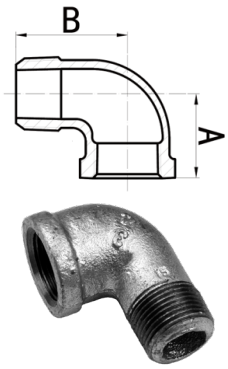
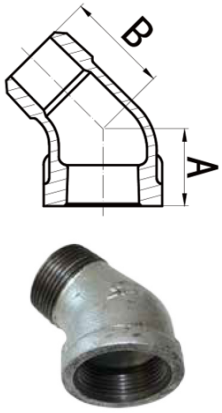
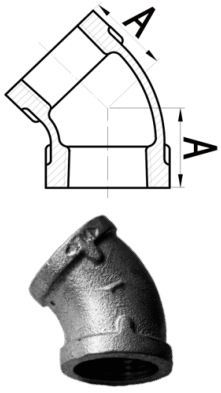


Galvanised Malleable Male-Female Elbow 90°				
Code	Size (mm)	A	B	Approx Weight
GEMF006	6	19	25	0.02
GEMF008	8	21	28	0.04
GEMF010	10	25	32	0.07
GEMF015	15	28	37	0.07
GEMF020	20	33	43	0.12
GEMF025	25	38	52	0.19
GEMF032	32	45	60	0.31
GEMF040	40	50	65	0.40
GEMF050	50	58	74	0.65
GEMF065	65	69	88	0.98
GEMF080	80	78	98	1.42
GEMF100	100	96	118	2.47



Galvanised Malleable Male-Female Elbow 45°				
Code	Size (mm)	A	B	Approx Weight
GEMF45015	15	22	28	0.08
GEMF45020	20	25	32	0.13
GEMF45025	25	28	37	0.20
GEMF45032	32	33	43	0.32
GEMF45040	40	36	46	0.41
GEMF45050	50	43	55	0.68
GEMF45065	65	49.5	65	0.81



Galvanised Malleable Female-Female Elbow 45°			
Code	Size (mm)	A	Approx Weight
GE45010	10	20	0.07
GE45015	15	22	0.07
GE45020	20	25	0.12
GE45025	25	28	0.17
GE45032	32	33	0.27
GE45040	40	50	0.35
GE45050	50	58	0.61
GE45065	65	69	0.87
GE45080	80	78	1.25
GE45100	100	96	2.38

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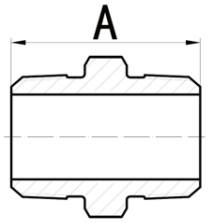
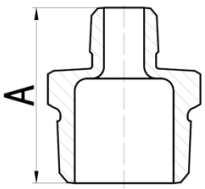
Galvanised Malleable Hexagon Nipple			
Code	Size (mm)	A	Approx Weight
GN006	6	29	0.02
GN008	8	36	0.03
GN010	10	38	0.04
GN015	15	44	0.05
GN020	20	47	0.09
GN025	25	53	0.11
GN032	32	57	0.18
GN040	40	59	0.22
GN050	50	68	0.39
GN065	65	75	0.58
GN080	80	83	0.84
GN100	100	95	1.18
GN150	150	110	3.13



Galvanised Malleable Hexagon Reducing Nipple			
Code	Size (mm)	A	Approx Weight
GNR015008	15 x 8	44	0.06
GNR015010	15 x 10	44	0.09
GNR020010	20 x 10	47	0.09
GNR020015	20 x 15	47	0.09
GNR025015	25 x 15	53	0.12
GNR025020	25 x 20	53	0.13
GNR032015	32 x 15	57	0.21
GNR032020	32 x 20	57	0.21
GNR032025	32 x 25	57	0.21
GNR040015	40 x 15	59	0.25
GNR040020	40 x 20	59	0.24
GNR040025	40 x 25	59	0.25
GNR040032	40 x 32	59	0.25
GNR050015	50 x 15	68	0.44
GNR050020	50 x 20	68	0.44
GNR050025	50 x 25	68	0.44
GNR050032	50 x 32	68	0.43
GNR050040	50 x 40	68	0.43
GNR065050	65 x 50	75	0.68
GNR080050	80 x 50	83	0.99
GNR080065	80 x 65	83	0.98
GNR100080	100 x 80	87	1.42



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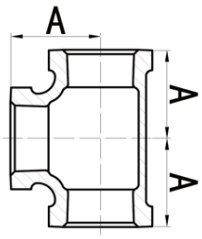
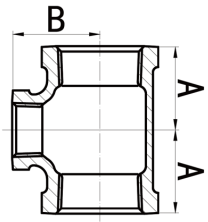


Galvanised Malleable Equal Tee			
Code	Size (mm)	A	Approx Weight
GT006	6	19	0.04
GT008	8	21	0.07
GT010	10	25	0.10
GT015	15	28	0.11
GT020	20	33	0.18
GT025	25	38	0.27
GT032	32	45	0.44
GT040	40	50	0.56
GT050	50	58	0.89
GT065	65	69	1.38
GT080	80	78	1.98
GT100	100	96	3.39
GT150	150	131	8.92



Galvanised Malleable Reducing Tee				
Code	Size (mm)	A	B	Approx Weight
GTR015008	15 x 8	24	24	0.11
GTR015010	15 x 10	26	26	0.13
GTR020010	20 x 10	28	28	0.18
GTR020015	20 x 15	30	31	0.16
GTR025010	25 x 10	30	32	0.27
GTR025015	25 x 15	32	34	0.21
GTR025020	25 x 20	35	36	0.24
GTR032010	32 x 10	32	36	0.36
GTR032015	32 x 15	34	38	0.29
GTR032020	32 x 20	36	41	0.34
GTR032025	32 x 25	40	42	0.37
GTR040010	40 x 10	34	39	0.47
GTR040015	40 x 15	36	42	0.37
GTR040020	40 x 20	38	44	0.40
GTR040025	40 x 25	42	46	0.45
GTR040032	40 x 32	46	48	0.51
GTR050010	50 x 10	36	46	0.67
GTR050015	50 x 15	38	48	0.56
GTR050020	50 x 20	40	50	0.59
GTR050025	50 x 25	44	52	0.65

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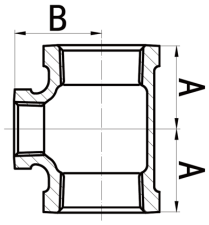
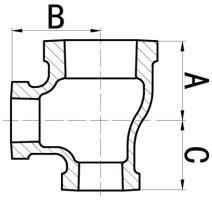
Galvanised Malleable Reducing Tee				
Code	Size (mm)	A	B	Approx Weight
GTR050032	50 x 32	48	54	0.72
GTR050040	50 x 40	52	55	0.78
GTR065040	65 x 40	55	63	1.02
GTR065050	65 x 50	61	66	1.17
GTR080040	80 x 40	58	71	1.40
GTR080050	80 x 50	64	73	1.56
GTR100020	100 x 20	53	79	1.90
GTR100050	100 x 50	70	86	2.34
GTR100065	100 x 65	84	92	2.69
GTR100080	100 x 80	82	90	2.87
GTR150080	150 x 80	92.5	120.5	8.77
GTR150100	150 x 100	105	125.5	9.66



Galvanised Malleable Reducing Street Tee					
Code	Size (mm)	A	B	C	Approx Weight
	Mainway x Mainway x Branch				
GTR201515	20 x 15 x 15	30	31	28	0.18
GTR251525	25 x 15 x 25	38	38	34	0.31
GTR252015	25 x 20 x 15	35	36	31	0.26
GTR252020	25 x 20 x 20	35	36	33	0.28
GTR252532	25 x 25 x 32	42	40	42	0.45
GTR252540	25 x 25 x 40	46	42	46	0.51
GTR252550	25 x 25 x 50	51	48.5	51	0.66
GTR322515	32 x 25 x 15	34	38	32	0.34
GTR322520	32 x 25 x 20	36	41	35	0.39
GTR322525	32 x 25 x 25	40	42	38	0.45
GTR322532	32 x 25 x 32	45	45	42	0.50
GTR323240	32 x 32 x 40	48	46	48	0.62
GTR323250	32 x 32 x 50	54	48	54	0.77
GTR402525	40 x 25 x 25	42	46	38	0.51
GTR402532	40 x 25 x 32	45	47	41.5	0.56
GTR402540	40 x 25 x 40	40	40	46	0.79
GTR403215	40 x 32 x 15	36	42	34	0.44
GTR403225	40 x 32 x 25	42	46	40	0.55
GTR403232	40 x 32 x 32	46	48	45	0.60



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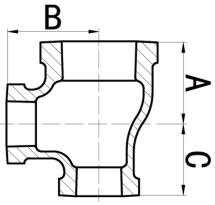
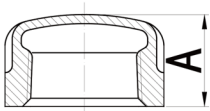
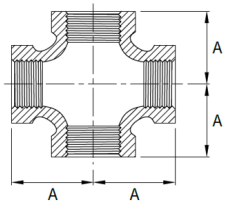
GALVANISED MALLEABLE IRON PIPE FITTINGS



Galvanised Malleable Reducing Street Tee (continued)					
Code	Size (mm)	A	B	C	Approx Weight
	Mainway x Mainway x Branch				
GTR403240	40 x 32 x 40	50	50	48	0.66
GTR404050	40 x 40 x 50	55	52	55	0.90
GTR502550	50 x 25 x 50	58	58	52	0.94
GTR503225	50 x 32 x 25	40	51	44	0.66
GTR503250	50 x 32 x 50	58	58	54	1.15
GTR504025	50 x 40 x 25	44	52	42	0.72
GTR504032	50 x 40 x 32	48	54	46	0.80
GTR504050	50 x 40 x 50	58	58	55	1.02



Galvanised Malleable Cap			
Code	Size (mm)	A	Approx Weight
GC008	8	15	0.02
GC010	10	17	0.03
GC015	15	19	0.04
GC020	20	22	0.06
GC025	25	24	0.09
GC032	32	27	0.14
GC040	40	27	0.17
GC050	50	32	0.29
GC065	65	35	0.44
GC080	80	38	0.66
GC100	100	45	1.11
GC150	150	61	4.19



Galvanised Malleable Cross			
Code	Size (mm)	A	Approx Weight
GX010	10	25	0.12
GX015	15	28	0.13
GX020	20	33	0.21
GX025	25	38	0.36
GX032	32	45	0.55
GX040	40	50	0.66
GX050	50	58	1.06
GX065	65	69	1.71
GX080	80	78	2.33

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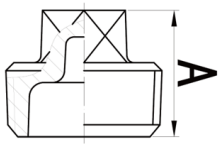
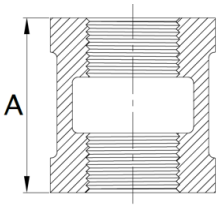
Galvanised Malleable Square Head Plug			
Code	Size (mm)	A	Approx Weight
GP006	6	11	0.01
GP008	8	14	0.01
GP010	10	15	0.02
GP015	15	18	0.03
GP020	20	20	0.05
GP025	25	23	0.06
GP032	32	29	0.13
GP040	40	30	0.15
GP050	50	36	0.24
GP065	65	39	0.40
GP080	80	44	0.63
GP100	100	58	1.04
GP150	150	71.5	2.33



Galvanised Malleable Socket			
Code	Size (mm)	A	Approx Weight
GS008	8	27	0.04
GS010	10	30	0.06
GS015	15	36	0.06
GS020	20	39	0.10
GS025	25	45	0.15
GS032	32	50	0.23
GS040	40	55	0.30
GS050	50	65	0.49
GS065	65	74	0.72
GS080	80	80	1.04
GS100	100	94	1.71



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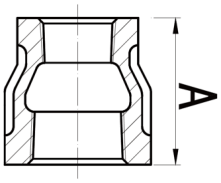
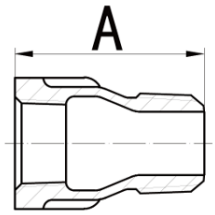


Galvanised Malleable Reducing Socket			
Code	Size (mm)	A	Approx Weight
GSR008006	8 x 6	27	0.03
GSR010008	10 x 8	30	0.05
GSR015008	15 x 8	36	0.06
GSR015010	15 x 10	36	0.07
GSR020008	20 x 8	39	0.09
GSR020010	20 x 10	39	0.10
GSR020015	20 x 15	39	0.09
GSR025008	25 x 8	45	0.13
GSR025010	25 x 10	45	0.14
GSR025015	25 x 15	45	0.12
GSR025020	25 x 20	45	0.13
GSR032015	32 x 15	50	0.19
GSR032020	32 x 20	50	0.19
GSR032025	32 x 25	50	0.20
GSR040015	40 x 15	55	0.21
GSR040020	40 x 20	55	0.23
GSR040025	40 x 25	55	0.25
GSR040032	40 x 32	55	0.28
GSR050015	50 x 15	65	0.36
GSR050020	50 x 20	65	0.36
GSR050025	50 x 25	65	0.38
GSR050032	50 x 32	65	0.40
GSR050040	50 x 40	74	0.43
GSR065025	65 x 25	74	0.51
GSR065032	65 x 32	74	0.55
GSR065040	65 x 40	74	0.57
GSR065050	65 x 50	74	0.64
GSR080025	80 x 25	80	0.82
GSR080032	80 x 32	80	0.75
GSR080040	80 x 40	80	0.80
GSR080050	80 x 50	80	0.84
GSR080065	80 x 65	80	0.91
GSR100050	100 x 50	94	1.32
GSR100065	100 x 65	94	1.34
GSR100080	100 x 80	94	1.48
GSR150100	150 x 100	105	4.56

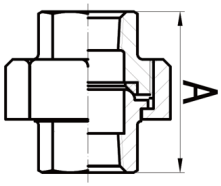
FITTINGS

GALVANISED MALLEABLE IRON PIPE FITTINGS

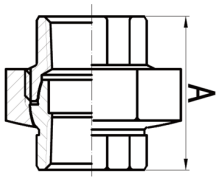
Galvanised Malleable Male Female Socket			
Code	Size (mm)	A	Approx Weight
GSMF015	15	40	0.07



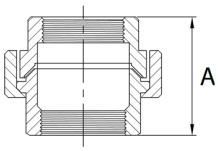
Galvanised Malleable Steel to Brass Female-Female Union			
Code	Size (mm)	A	Approx Weight
GUB008	8	36.5	0.10
GUB010	10	41	0.14
GUB015	15	43.5	0.17
GUB020	20	49.5	0.26
GUB025	25	52.5	0.37
GUB032	32	57.5	0.52
GUB040	40	61	0.75
GUB050	50	70	0.94
GUB065	65	82	1.64
GUB080	80	89	2.07
GUB100	100	98	3.64



Galvanised Malleable Female-Female Mac Union			
Code	Size (mm)	A	Approx Weight
GUM015	15	46	0.24
GUM020	20	49	0.29
GUM025	25	55	0.41
GUM032	32	64	0.67
GUM040	40	74.5	1.04
GUM050	50	83	1.52

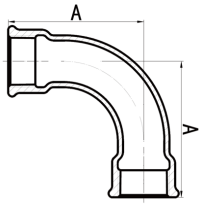


Galvanised Malleable Steel to Steel Female-Female Union			
Code	Size (mm)	A	Approx Weight
GUT020	20	50	0.20
GUT025	25	55	0.30
GUT050	50	75	1.20

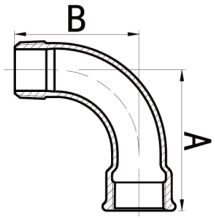


FITTINGS

GALVANISED MALLEABLE IRON PIPE FITTINGS



Galvanised Malleable Female-Female 90° Bend			
Code	Size (mm)	A	Approx Weight
GBE010	10	48	0.08
GBE015	15	55	0.12
GBE020	20	69	0.22
GBE025	25	85	0.33
GBE032	32	105	0.59
GBE040	40	116	0.75
GBE050	50	140	1.30
GBE065	65	176	2.14
GBE080	80	205	3.28
GBE100	100	260	5.91

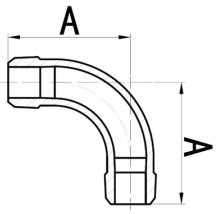


Galvanised Malleable Male-Female 90° Bend				
Code	Size (mm)	A	B	Approx Weight
GBEMF008	8	40	36	0.04
GBEMF010	10	48	42	0.07
GBEMF015	15	55	48	0.10
GBEMF020	20	69	60	0.19
GBEMF025	25	85	75	0.30
GBEMF032	32	105	95	0.54
GBEMF040	40	116	105	0.69
GBEMF050	50	140	130	1.20
GBEMF065	65	176	165	1.89
GBEMF080	80	205	290	2.97
GBEMF100	100	260	245	5.55

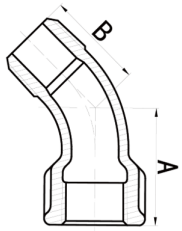
FITTINGS

GALVANISED MALLEABLE IRON PIPE FITTINGS

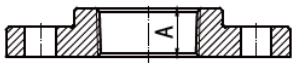
Galvanised Malleable Male-Male 90° Bend			
Code	Size (mm)	A	Approx Weight
GBEM015	15	48	0.08
GBEM020	20	60	0.19
GBEM025	25	75	0.30
GBEM032	32	95	0.59
GBEM040	40	105	0.60
GBEM050	50	130	1.06
GBEM065	65	165	2.25
GBEM080	80	190	3.28
GBEM100	100	245	5.91



Galvanised Malleable Male-Female 45° Bend				
Code	Size (mm)	A	B	Approx Weight
GBEMF45015	15	36	30	0.08
GBEMF45020	20	43	36	0.14
GBEMF45025	25	51	42	0.21
GBEMF45032	32	64	54	0.38
GBEMF45040	40	68	58	0.47
GBEMF45050	50	81	70	0.78
GBEMF45065	65	99	86	1.24

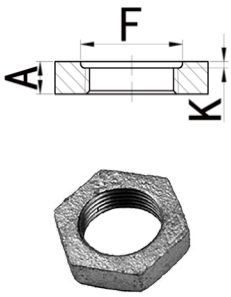


Galvanised Malleable Flange BS10 Drilled Table D			
Code	Size (mm)	A	Approx Weight
GFT015	15	15	0.17
GFT020	20	16	0.23
GFT025	25	19	0.33
GFT032	32	21	0.47
GFT040	40	21	0.63
GFT050	50	26	0.84
GFT065	65	30	1.16
GFT080	80	33	1.87
GFT100	100	39	2.25
GFT150	150	40	4.74

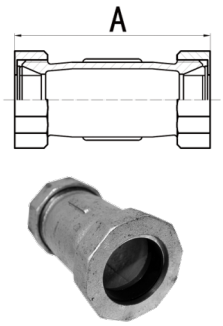


FITTINGS

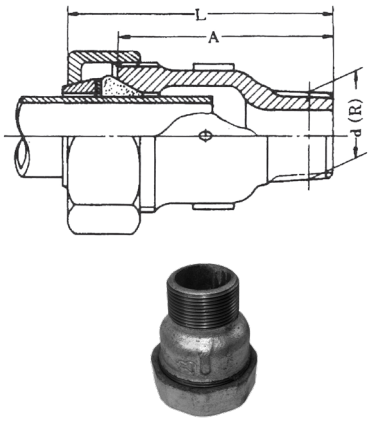
GALVANISED MALLEABLE IRON PIPE FITTINGS



Galvanised Malleable Backnut					
Code	Size (mm)	A	F	K	Approx Weight
GBNUT015	15	7.9	24.6	1.5	0.03
GBNUT020	20	8.6	31.2	1.5	0.04
GBNUT025	25	9.7	38.1	1.5	0.06
GBNUT032	32	10.7	47.2	1.5	0.09
GBNUT040	40	11.9	53.9	1.5	0.12
GBNUT050	50	13.5	66.8	2.3	0.20
GBNUT065	65	16			0.28
GBNUT080	80	20.8			0.56
GBNUT100	100	20.3	127	3.3	1.08



Galvanised Malleable Female-Female Long Compression Coupling			
Code	Size (mm)	A	Approx Weight
GCC015	15	93	0.38
GCC020	20	101	0.47
GCC025	25	109	0.74
GCC032	32	114	0.86
GCC040	40	118	1.04
GCC050	50	121	1.37

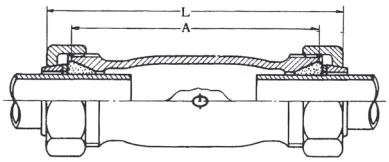


Galvanised Malleable Riken (HI-LA) Male - Female Compression Adaptor with Locking Ring				
Code	Size (mm)	A	L	Approx Weight
GCRA015	15	50	62	0.19
GCRA020	20	53	65	0.27
GCRA025	25	58.5	70.5	0.38
GCRA032	32	62	75	0.48
GCRA040	40	64.5	77.5	0.59
GCRA050	50	72	88	0.93

FITTINGS

GALVANISED MALLEABLE IRON PIPE FITTINGS

Galvanised Malleable Riken (HI-LA) Compresion Coupling with Locking Rings				
Code	Size (mm)	A	L	Approx Weight
GCRC015	15	87.5	112.5	0.38
GCRC020	20	94	119	0.56
GCRC025	25	100	125	0.69
GCRC032	32	106	132	0.95
GCRC040	40	112.5	139.5	1.25
GCRC050	50	119	151	1.74



FITTINGS

HIGH PRESSURE FITTINGS

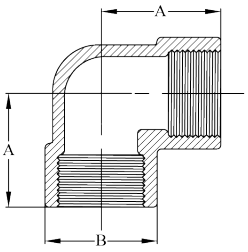
SIZE
NPS 1/8” ~ 4”(6mm ~ 100mm).

RATING
Threaded end – 3000lbs & 6000lbs. Socket-weld end – 3000lbs & 6000lbs. Butt Weld end – Schedule 80.

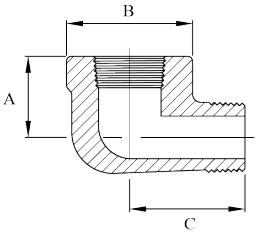
SPECIFICATION
A: DIN.specification: ASME B16.11-2001 (revision of ASME 16.11 -1996 MSS – SP – 9,83,95, 97 and bothwell specification JSB0203, B2316).
B: Material specification: ASTM A105.

MARKING
1. Carbon and alloy steel: marked by stamping.
2. 3/8” under: brand only.
3. 1/2” to 4”: marked brand, material, heat no. B16 (belong to ANSI B16. 11 product), pressure and size.

FINISHING
Black, galvanized (on request), yellow dichromate (on request).



3000lb Threaded Female - Female Elbow 90° ASME B16.11					
Code NPT Thread	Code BSP Thread	Size (mm)	A	B	Approx Weight
NP3E008		8	25	25	0.14
NP3E010		10	28	33	0.29
NP3E015	BP3E015	15	33	38	0.42
NP3E020	BP3E020	20	38	46	0.69
NP3E025	BP3E025	25	44	56	1.11
NP3E032	BP3E032	32	51	62	1.34
NP3E040	BP3E040	40	60	75	2.63
NP3E050	BP3E050	50	64	84	3.14
NP3E065		65	83	102	5.51
NP3E080		80	95	121	8.42

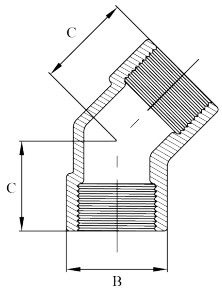


3000lb Threaded Male - Female Elbow 90° ASME B16.11					
Code NPT Thread	Size (mm)	A	B	C	Approx Weight
NP3EMF008	8	22	25	32	0.11
NP3EMF010	10	25	32	38	0.22
NP3EMF015	15	28	38	41	0.31
NP3EMF020	20	35	44	48	0.55
NP3EMF025	25	44	51	57	1.17
NP3EMF032	32	51	62	66	1.27
NP3EMF040	40	54	70	71	2.06
NP3EMF050	50	64	84	84	2.75

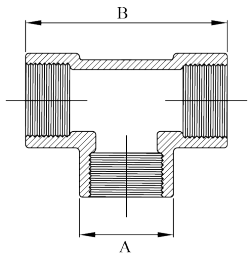
FITTINGS

HIGH PRESSURE FITTINGS

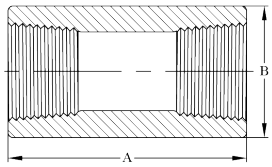
3000lb Threaded Female - Female Elbow 45° ASME B16.11					
Code NPT Thread	Code BSP Thread	Size (mm)	B	C	Approx Weight
NP3E45008		8	25	19	0.12
NP3E45010		10	33	22	0.24
NP3E45015	BP3E45015	15	38	25	0.37
NP3E45020	BP3E45020	20	46	28	0.56
NP3E45025	BP3E45025	25	56	33	0.94
NP3E45032	BP3E45032	32	62	35	1.03
NP3E45040	BP3E45040	40	75	43	2.05
NP3E45050	BP3E45050	50	84	44	2.23



3000lb Threaded Equal Tee ASME B16.11					
Code NPT Thread	Code BSP Thread	Size (mm)	A	B	Approx Weight
NP3T008		8	25	50	0.19
NP3T010		10	33	56	0.38
NP3T015	BP3T015	15	38	66	0.55
NP3T020	BP3T020	20	46	76	0.85
NP3T025	BP3T025	25	56	88	1.49
NP3T032	BP3T032	32	62	102	1.76
NP3T040	BP3T040	40	75	120	3.27
NP3T050	BP3T050	50	84	128	3.53

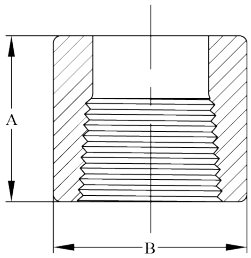


3000lb Threaded Coupling ASME B16.11					
Code NPT Thread	Code BSP Thread	Size (mm)	A	B	Approx Weight
NP3CF008	BP3CF008	8	35	19	0.05
NP3CF010	BP3CF010	10	38	22	0.06
NP3CF015	BP3CF015	15	48	28	0.13
NP3CF020	BP3CF020	20	51	35	0.21
NP3CF025	BP3CF025	25	60	44	0.39
NP3CF032	BP3CF032	32	67	57	0.73
NP3CF040	BP3CF040	40	79	64	1.07
NP3CF050	BP3CF050	50	86	76	1.40
NP3CF065		65	92	92	2.34
NP3CF080		80	108	108	3.35

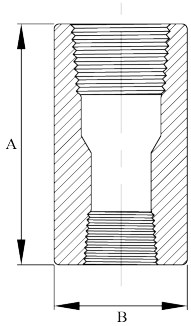


FITTINGS

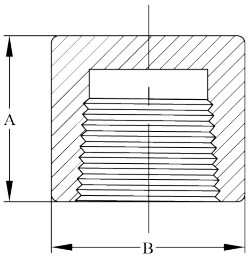
HIGH PRESSURE FITTINGS

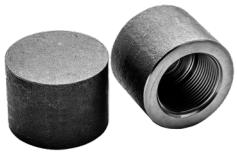


3000lb Threaded Half Coupling ASME B16.11				
Code NPT Thread	Size (mm)	A	B	Approx Weight
NP3CH008	8	19	19	0.02
NP3CH010	10	24	22	0.03
NP3CH015	15	24	28	0.07
NP3CH020	20	25.5	35	0.11
NP3CH025	25	30	44	0.19
NP3CH032	32	33.5	57	0.37
NP3CH040	40	39.5	64	0.50
NP3CH050	50	43	76	0.70



3000lb Threaded Reducing Coupling ASME B16.11				
Code NPT Thread	Size (mm)	A	B	Approx Weight
NP3CR020015	20 x 15	51	35	0.26
NP3CR025015	25 x 15	60	44	0.56
NP3CR025020	25 x 20	60	44	0.45
NP3CR032020	32 x 20	67	57	0.9
NP3CR032025	32 x 25	67	57	0.85
NP3CR040025	40 x 25	79	64	1.3
NP3CR040032	40 x 32	79	64	1.2
NP3CR050020	50 x 20	86	76	2.1
NP3CR050025	50 x 25	86	76	2.15
NP3CR050040	50 x 40	86	76	1.78



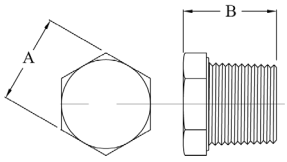


3000lb Threaded Cap ASME B16.11				
Code NPT Thread	Size (mm)	A	B	Approx Weight
NP3C010	10	25	22	0.05
NP3C015	15	32	28	0.10
NP3C020	20	37	35	0.20
NP3C025	25	41	44	0.35
NP3C032	32	44	57	0.62
NP3C040	40	44	64	0.79
NP3C050	50	48	76	1.09

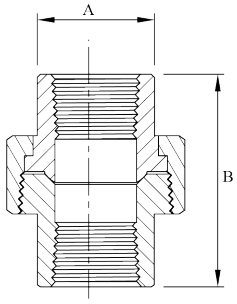
FITTINGS

HIGH PRESSURE FITTINGS

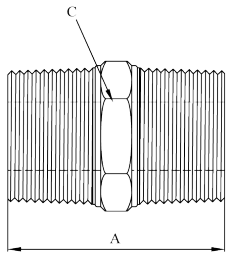
3000lb Hexagon Plug ASME B16.11					
Code NPT Thread	Code BSP Thread	Size (mm)	A	B	Approx Weight
NP3P006		6	11.1	16	0.01
NP3P008		8	15.9	17	0.03
NP3P010		10	17.5	21	0.04
NP3P015	BP3P015	15	22.2	22	0.07
NP3P020	BP3P020	20	27	26	0.13
NP3P025	BP3P025	25	34.9	29	0.22
NP3P032	BP3P032	32	44.5	35	0.47
NP3P040	BP3P040	40	50.8	37	0.59
NP3P050	BP3P050	50	63.5	40	1.03
NP3P065		65	76.2	46	1.62



3000lb Threaded Union ASME B16.11					
Code NPT Thread	Code BSP Thread	Size (mm)	A	B	Approx Weight
NP3U008	BP3U008	8	19	41.4	0.25
NP3U010	BP3U010	10	22.9	46	0.26
NP3U015	BP3U015	15	27.7	49	0.32
NP3U020	BP3U020	20	33.5	56.9	0.48
NP3U025	BP3U025	25	41.4	62	0.69
NP3U032	BP3U032	32	50.5	71.1	1.03
NP3U040	BP3U040	40	57.2	76.5	1.39
NP3U050	BP3U050	50	70.1	86.1	2.22

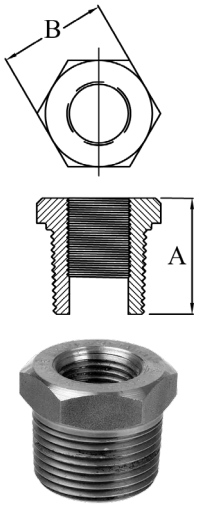


3000lb Hexagon Nipple ASME B16.11					
Code NPT Thread	Code BSP Thread	Size (mm)	A	C	Approx Weight
NP3N008		8	36	15	0.03
NP3N010		10	40	18	0.04
NP3N015	BP3N015	15	48	22	0.07
NP3N020	BP3N020	20	52	27	0.10
NP3N025	BP3N025	25	60	35	0.19
NP3N032	BP3N032	32	60	46	0.37
NP3N040	BP3N040	40	68	50	0.38
NP3N050	BP3N050	50	71	62	0.54

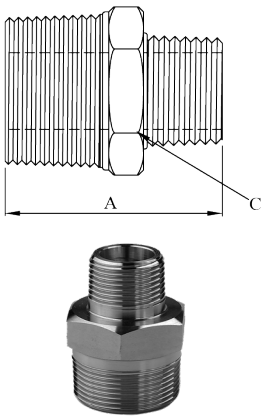


FITTINGS

HIGH PRESSURE FITTINGS



3000lb Hexagon Head Bush ASME B16.11					
Code NPT Thread	Code BSP Thread	Size (mm)	A	B	Approx Weight
NP3B010008		10 x 8	17	17.5	0.02
NP3B015008		15 x 8	19	22.2	0.05
NP3B015010	BP3B015010	15 x 10	19	22.2	0.03
NP3B020008		20 x 8	22	27	0.10
NP3B020015	BP3B020015	20 x 15	22	27	0.06
NP3B025008		25 x 8	25	34.9	0.19
NP3B025015	BP3B025015	25 x 15	25	34.9	0.15
NP3B025020	BP3B025020	25 x 20	25	34.9	0.11
NP3B032015	BP3B032015	32 x 15	28	44.5	0.32
NP3B032020	BP3B032020	32 x 20	28	44.5	0.25
NP3B032025	BP3B032025	32 x 25	28	44.5	0.20
NP3B040015		40 x 15	29	50.8	0.44
NP3B040020		40 x 20	29	50.8	0.40
NP3B040025	BP3B040025	40 x 25	29	50.8	0.31
NP3B040032	BP3B040032	40 x 32	31	50.8	0.18
NP3B050015		50 x 15	31	63.5	0.83
NP3B050020		50 x 20	31	63.5	0.76
NP3B050025		50 x 25	31	63.5	0.69
NP3B050032		50 x 32	31	63.5	0.55
NP3B050040	BP3B050040	50 x 40	31	63.5	0.41
NP3B080050		80 x 50	38	88.9	1.43

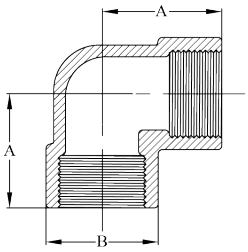


3000lb Reducing Hexagon Nipple ASME B16.11				
Code NPT Thread	Size (mm)	A	C	Approx Weight
NP3NR015008	15 x 8	43	22	0.08
NP3NR015010	15 x 10	44	22	0.07
NP3NR020015	20 x 15	50	27	0.12
NP3NR025015	25 x 15	55	35	0.23
NP3NR025020	25 x 20	56	35	0.20
NP3NR032015	32 x 15	55	46	0.45
NP3NR032020	32 x 20	55	46	0.39
NP3NR032025	32 x 25	60	46	0.38
NP3NR040015	40 x 15	62	50	0.60
NP3NR040020	40 x 20	63	50	0.55
NP3NR040025	40 x 25	67	50	0.52
NP3NR040032	40 x 32	68	50	0.62
NP3NR050040	50 x 40	70	62	0.80

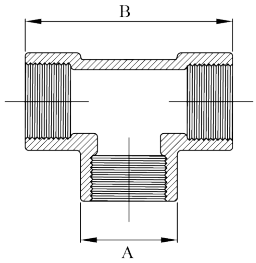
FITTINGS

HIGH PRESSURE FITTINGS

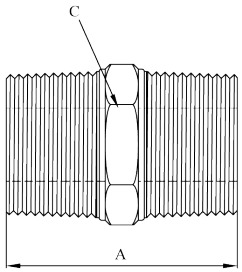
6000lb Threaded Female - Female Elbow 90° ASME B16.11				
Code	Size (mm)	A	B	Approx Weight
NP6E015	15	38	46	0.80
NP6E020	20	44	56	1.31
NP6E025	25	51	62	1.61
NP6E040	40	64	84	3.79



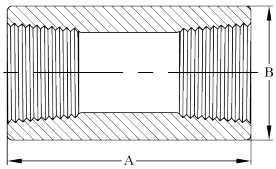
6000lb Threaded Equal Tee ASME B16.11				
Code	Size (mm)	A	B	Approx Weight
NP6T015	15	46	76	0.98
NP6T020	20	56	88	1.65
NP6T025	25	62	102	2.17
NP6T040	40	84	128	4.71



6000lb Hexagon Nipple ASME B16.11				
Code	Size (mm)	A	C	Approx Weight
NP6N015	15	48	22	0.09
NP6N020	20	52	27	0.16
NP6N025	25	60	35	0.30
NP6N032	32	60	46	0.53
NP6N040	40	68	50	0.59
NP6N050	50	71	62	0.96

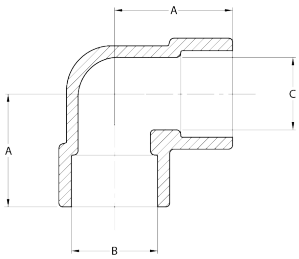


6000lb Threaded Coupling ASME B16.11				
Code	Size (mm)	A	B	Approx Weight
NP6CF008	8	35	25	0.10
NP6CF015	15	48	38	0.32
NP6CF020	20	51	44	0.49
NP6CF025	25	60	57	0.87
NP6CF032	32	67	64	1.09
NP6CF040	40	79	76	1.94
NP6CF050	50	86	92	2.87

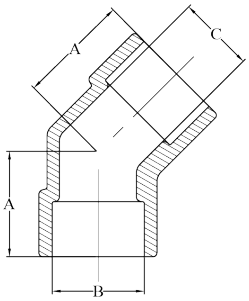


FITTINGS

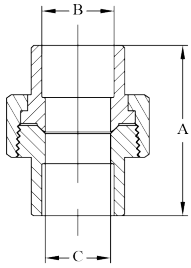
HIGH PRESSURE FITTINGS



3000lb Socket Weld Elbow 90° ASME B16.11					
Code	Size (mm)	A	B	C	Approx Weight
SW3E008	8	20.5	14.2	9.3	0.08
SW3E010	10	23.0	17.6	12.6	0.11
SW3E015	15	25.0	21.8	15.8	0.23
SW3E020	20	31.5	27.2	21.0	0.31
SW3E025	25	35.0	33.9	26.7	0.50
SW3E032	32	39.5	42.7	35.1	0.84
SW3E040	40	44.5	48.8	40.9	1.00
SW3E050	50	54.0	61.2	52.5	1.63
SW3E065	65	57.0	73.9	62.7	3.36
SW3E080	80	73.0	89.8	78.0	5.00



3000lb Socket Weld Elbow 45° ASME B16.11					
Code	Size (mm)	A	B	C	Approx Weight
SW3E45008	8	17.5	14.2	9.3	0.08
SW3E45010	10	17.5	17.6	12.6	0.09
SW3E45015	15	20.5	21.8	15.8	0.20
SW3E45020	20	25.5	27.2	21	0.26
SW3E45025	25	26.5	33.9	26.7	0.43
SW3E45032	32	30	42.7	35.1	0.69
SW3E45040	40	33	48.8	40.9	0.79
SW3E45050	50	41.5	61.2	52.5	1.35
SW3E45065	65	44.5	73.9	62.7	2.53



3000lb Socket Weld Union ASME B16.11					
Code	Size (mm)	A	B	C	Approx Weight
SW3U010	10	46.0	18.03	13.28	0.25
SW3U015	15	49.0	22.23	16.56	0.35
SW3U020	20	56.9	27.56	21.69	0.49
SW3U025	25	62.0	34.29	27.41	0.76
SW3U032	32	71.1	43.05	35.81	1.10
SW3U040	40	76.5	49.15	41.66	1.45
SW3U050	50	86.1	61.62	53.26	2.38

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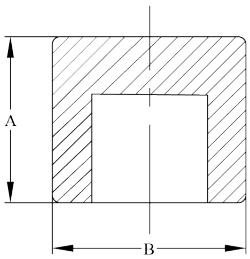
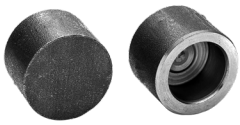
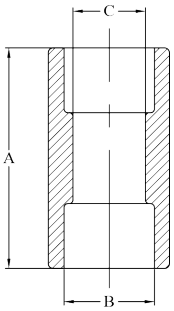
HIGH PRESSURE FITTINGS

3000lb Socket Weld Cap ASME B16.11				
Code	Size (mm)	A	B	Approx Weight
SW3C015	15	15.9	31.14	0.11
SW3C020	20	18.9	37.00	0.16
SW3C025	25	22.1	45.28	0.25
SW3C032	32	22.1	54.84	0.45
SW3C040	40	23.7	61.50	0.59
SW3C050	50	28.7	75.06	0.96

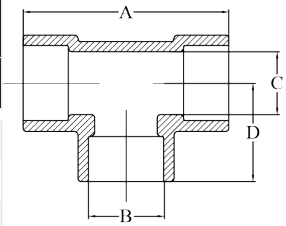




3000lb Socket Weld Coupling ASME B16.11					
Code	Size (mm)	A	B	C	Approx Weight
SW3CF008	8	25.5	14.2	9.3	0.05
SW3CF010	10	25.5	17.6	12.6	0.07
SW3CF015	15	28.5	21.8	15.8	0.13
SW3CF020	20	34.5	27.2	21.0	0.19
SW3CF025	25	37.5	33.9	26.7	0.30
SW3CF032	32	37.5	42.7	35.1	0.41
SW3CF040	40	37.5	48.8	40.9	0.48
SW3CF050	50	51.0	61.2	52.5	0.86
SW3CF065	65	51.0	73.9	62.7	1.40
SW3CF080	80	51.0	89.8	78.0	1.98

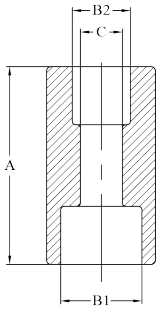


3000lb Socket Weld Tee ASME B16.11						
Code	Size (mm)	A	B	C	D	Approx Weight
SW3T008	8	41	14.2	9.3	20.5	0.11
SW3T010	10	46	17.6	12.6	23.0	0.15
SW3T015	15	50	21.8	15.8	25.0	0.32
SW3T020	20	63	27.2	21.0	31.5	0.41
SW3T025	25	70	33.9	26.7	35.0	0.64
SW3T032	32	79	42.7	35.1	39.5	1.04
SW3T040	40	89	48.8	40.9	44.5	1.22
SW3T050	50	108	61.2	52.5	54.0	2.04

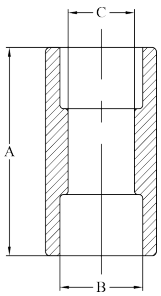


FITTINGS

HIGH PRESSURE FITTINGS



3000lb Socket Weld Reducing Coupling ASME B16.11						
Code	Size (mm)	A	B1	B2	C	Approx Weight
SW3CR015010	15 x 10	28.5	21.8	17.6	12.6	0.23
SW3CR020015	20 x 15	34.5	27.2	21.8	15.8	0.21
SW3CR025015	25 x 15	37.5	33.9	21.8	15.8	0.39
SW3CR025020	25 x 20	37.5	33.9	27.2	21.0	0.35
SW3CR032015	32 x 15	37.5	42.7	21.8	15.8	0.67
SW3CR032020	32 x 20	37.5	42.7	27.2	21.0	0.64
SW3CR032025	32 x 25	37.5	42.7	33.9	26.7	0.57
SW3CR040015	40 x 15	37.5	48.8	21.8	15.8	0.85
SW3CR040020	40 x 20	37.5	48.8	27.2	21.0	0.81
SW3CR040025	40 x 25	37.5	48.8	33.9	26.7	0.77
SW3CR040032	40 x 32	37.5	48.8	42.7	35.1	0.63
SW3CR050015	50 x 15	51.0	61.2	21.8	15.8	1.66
SW3CR050020	50 x 20	51.0	61.2	27.2	21.0	1.72
SW3CR050025	50 x 25	51.0	61.2	33.9	26.7	1.54
SW3CR050032	50 x 32	51.0	61.2	42.7	35.1	1.35
SW3CR050040	50 x 40	51.0	61.2	48.8	40.9	1.26

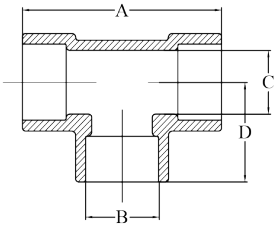


6000lb Socket Weld Coupling ASME B16.11					
Code	Size (mm)	A	B	C	Approx Weight
SW6CF015	15	28.5	21.8	11.8	0.17
SW6CF020	20	34.5	27.2	15.6	0.27
SW6CF025	25	37.5	33.9	20.7	0.44
SW6CF032	32	37.5	42.7	29.5	0.58
SW6CF040	40	37.5	48.8	34.0	0.76
SW6CF050	50	51.0	61.2	42.9	1.62

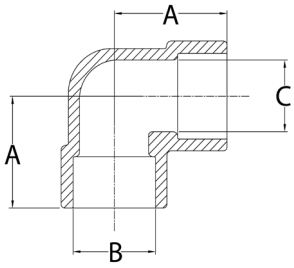
FITTINGS

HIGH PRESSURE FITTINGS

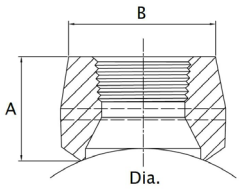
6000lb Socket Weld Tee ASME B16.11						
Code	Size (mm)	A	B	C	D	Approx Weight
SW6T015	15	57	21.8	11.8	28.5	0.56
SW6T020	20	70	27.2	15.6	35.0	0.94
SW6T025	25	79	33.9	20.7	39.5	1.49
SW6T040	40	101	48.8	34.0	50.5	3.37
SW6T050	50	114	61.2	42.9	57.0	3.95



6000lb Socket Weld Elbow 90° ASME B16.11					
Code	Size (mm)	A	B	C	Approx Weight
SW6E015	15	28.5	21.8	11.8	0.44
SW6E020	20	35	27.2	15.6	0.73
SW6E025	25	39.5	33.9	20.7	1.21
SW6E040	40	50.5	48.8	34	2.79

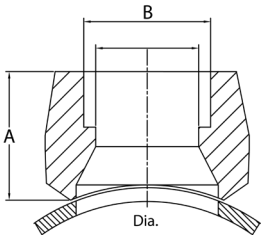


3000lb Threaded Branch Outlet ASME B31.1 & MSS-SP97					
Code NPT Thread	Code BSP Thread	Size (mm)	A	B	Approx Weight
TOLN008	TOLB008	8	19.0	22.0	0.06
	TOLB010	10	20.6	25.9	0.10
TOLN015	TOLB015	15	25.4	31.4	0.13
TOLN020	TOLB020	20	26.9	37.1	0.22
TOLN025	TOLB025	25	33.3	45.5	0.37
TOLN032	TOLB032	32	33.3	57.0	0.42
TOLN040	TOLB040	40	35.0	64.0	0.64
TOLN050	TOLB050	50	38.1	76.0	0.89

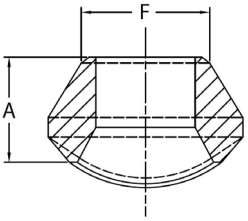


FITTINGS

HIGH PRESSURE FITTINGS



3000lb Socket Weld Branch Outlet ASME B31.1 & MSS-SP97				
Code	Size (mm)	A	B	Approx Weight
TOLN008	8	19.0	22.0	0.06
TOLN010	10	20.6	25.9	0.10
TOLN015	15	25.4	31.4	0.13
TOLN020	20	26.9	37.1	0.22
TOLN025	25	33.3	45.5	0.37
TOLN032	32	33.3	57.0	0.42
TOLN040	40	35.0	64.0	0.64
TOLN050	50	38.1	76.0	0.89



3000lb Butt Weld Branch Outlet ASME B31.1 & MSS-SP97				
Code	Size (mm)	A	F	Approx Weight
WOL015	15	19.1	21.3	0.09
WOL020	20	22.4	26.7	0.17
WOL025	25	26.9	33.4	0.28
WOL032	32	31.8	42.2	0.42
WOL040	40	33.3	48.3	0.64
WOL050	50	38.1	60.3	0.87
WOL065	65	41.1	73.0	1.21
WOL080	80	44.4	88.9	1.98
WOL100	100	50.8	114.3	3.13

FITTINGS

BUTT WELD FITTINGS

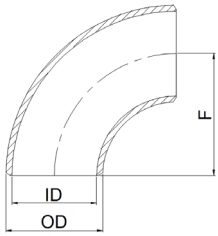
Asmuss stocks Butt Weld fittings made from high quality carbon alloy steel to ASTM A234 which can be used in various piping systems.

The advantages of Butt Weld include:

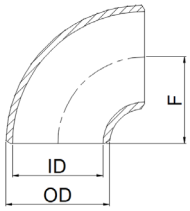
- Welding a fitting to the pipe means that it is permanently leak proof.
- The continuous metal structure formed between the pipe and fitting adds strength to the system.
- Smoother inner surface and gradual direction changed reduce the pressure losses and turbulence and minimises the action of corrosion and abrasion.
- A welded system utilises minimal space.

We now stock a range of Shell Approved Butt Weld fittings; please check requirements with our sales team.

Long Radius Elbow 90° Lightweight JIS B 2311						
Code	NB (mm)	OD	ID	F	T	Approx Weight
BWE90L025	25	34.0	27.6	38.1	3.2	0.15
BWE90L032	32	42.7	35.7	47.6	3.5	0.25
BWE90L040	40	48.6	41.6	57.2	3.5	0.35
BWE90L050	50	60.5	52.9	76.2	3.8	0.63
BWE90L065	65	76.3	67.9	95.3	4.2	1.12
BWE90L080	80	89.1	80.7	114.3	4.2	1.58
BWE90L100	100	114.3	105.3	152.4	4.5	2.91
BWE90L125	125	139.8	130.8	190.5	4.5	4.49
BWE90L150	150	165.2	155.2	228.6	5.0	7.09
BWE90L200	200	216.3	204.7	304.8	5.8	14.40
BWE90L250	250	267.4	254.2	381.0	6.6	25.40
BWE90L300	300	318.5	304.7	457.2	6.9	38.10
BWE90L350	350	355.6	339.8	533.4	7.9	56.70
BWE90L400	400	406.4	390.6	609.9	7.9	63.00

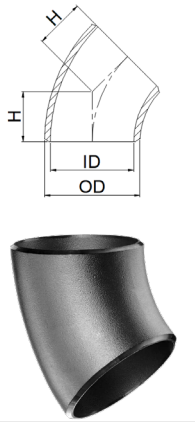


Short Radius Elbow 90° Lightweight JIS B 2311						
Code	NB (mm)	OD	ID	F	T	Approx Weight
BWES90L065	65	76.3	67.9	63.5	4.2	0.75
BWES90L080	80	89.1	80.7	76.2	4.2	1.05
BWES90L100	100	114.3	105.3	101.6	4.5	1.94
BWES90L125	125	139.8	130.8	127.0	4.5	2.71
BWES90L150	150	165.2	155.2	152.4	5.0	5.40
BWES90L200	200	216.3	204.7	203.2	5.8	9.61
BWES90L250	250	267.4	254.2	254.0	6.6	16.90
BWES90L300	300	318.5	304.7	304.8	6.9	25.40

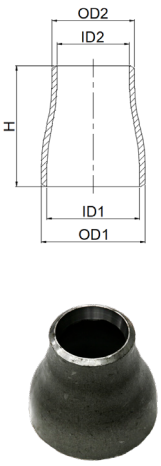


FITTINGS

BUTT WELD FITTINGS



Long Radius Elbow 45° Lightweight JIS B 2311						
Code	NB (mm)	OD	ID	H	T	Approx Weight
BWE45L050	50	60.5	52.9	31.6	3.8	0.55
BWE45L065	65	76.3	67.9	39.5	4.2	0.55
BWE45L080	80	89.1	80.7	47.3	4.2	0.90
BWE45L100	100	114.3	105.3	63.1	4.5	1.59
BWE45L125	125	139.8	130.8	78.9	4.5	2.86
BWE45L150	150	165.2	155.2	94.7	5.0	4.14
BWE45L200	200	216.3	204.7	126.3	5.8	2.60
BWE45L250	250	267.4	254.2	157.8	6.6	4.70
BWE45L300	300	318.5	304.7	189.4	6.9	6.80

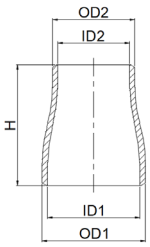


Concentric Reducer Lightweight JIS B 2311									
Code	NB (mm)	OD1	ID1	OD2	ID2	H	T1	T2	Approx KG/3
BWRCL032025	32 x 25	42.7	35.7	34.0	27.6	50.8	3.5	3.2	0.16
BWRCL040025	40 x 25	48.6	41.6	34.0	27.6	63.5	3.5	3.2	0.22
BWRCL050025	50 x 25	60.5	52.9	34.0	27.6	76.2	3.8	3.2	0.32
BWRCL050032	50 x 32	60.5	52.9	42.7	35.7	76.2	3.8	3.5	0.35
BWRCL050040	50 x 40	60.5	52.9	48.6	41.6	76.2	3.8	3.5	0.37
BWRCL065040	65 x 40	76.3	67.9	48.6	41.6	88.9	4.2	3.5	0.45
BWRCL080050	80 x 50	89.1	80.7	60.5	52.9	88.9	4.2	3.8	0.66
BWRCL080065	80 x 65	89.1	80.7	76.3	67.9	88.9	4.2	4.2	0.73
BWRCL100040	100 x 40	114.3	105.3	48.6	41.6	101.6	4.5	3.5	0.80
BWRCL100050	100 x 50	114.3	105.3	60.5	52.9	101.6	4.5	3.8	0.97
BWRCL100065	100 x 65	114.3	105.3	76.3	67.9	101.6	4.5	4.2	1.04
BWRCL100080	100 x 80	114.3	105.3	89.1	80.7	101.6	4.5	4.2	1.10
BWRCL125065	125 x 65	139.8	130.8	76.3	67.9	127.0	4.5	4.2	1.50
BWRCL125080	125 x 80	139.8	130.8	89.1	80.7	127.0	4.5	4.2	1.58
BWRCL125080	125 x 80	139.8	130.8	89.1	80.7	127.0	4.5	4.2	1.58
BWRCL125100	125 x 100	139.8	130.8	114.3	105.3	127.0	4.5	4.5	1.74
BWRCL150065	150 x 65	165.2	155.2	76.3	67.9	139.7	5.0	4.2	2.09
BWRCL150080	150 x 80	165.2	155.2	89.1	80.7	139.7	5.0	4.2	2.22

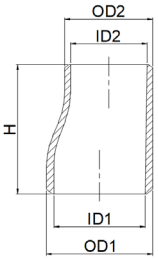
FITTINGS

BUTT WELD FITTINGS

Concentric Reducer Lightweight JIS B 2311 (continued)									
Code	NB (mm)	OD1	ID1	OD2	ID2	H	T1	T2	Approx KG/3
BWRCL150100	150 x 100	165.2	155.2	114.3	105.3	139.7	5.0	4.5	2.36
BWRCL150125	150 x 125	165.2	155.2	139.8	130.8	139.7	5.0	4.5	2.55
BWRCL200080	200 x 80	216.3	204.7	89.1	80.7	152.4	5.8	4.2	0.00
BWRCL200100	200 x 100	216.3	204.7	114.3	105.3	152.4	5.8	4.5	3.67
BWRCL200125	200 x 125	216.3	204.7	139.8	130.8	152.4	5.8	4.5	3.87
BWRCL200150	200 x 150	216.3	204.7	165.2	155.2	152.4	5.8	5.0	4.17
BWRCL250150	250 x 150	267.4	254.2	165.2	155.2	177.8	6.6	5.0	6.32
BWRCL250200	250 x 200	267.4	254.2	216.3	204.7	177.8	6.6	5.8	6.87
BWRCL300150	300 x 150	318.5	304.7	165.2	155.2	203.2	6.9	5.0	7.24
BWRCL300200	300 x 200	318.5	304.7	216.3	204.7	203.2	6.9	5.8	9.29
BWRCL300250	300 x 250	318.5	304.7	267.4	254.2	203.2	6.9	6.6	9.97

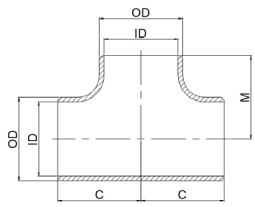


Eccentric Reducer Lightweight JIS B2311									
Code	NB (mm)	OD1	ID1	OD2	ID2	H	T1	T2	Approx KG/3
BWREL080050	80 x 50	89.1	80.7	60.5	52.9	88.9	4.2	3.8	1.00
BWREL080065	80 x 65	89.1	80.7	76.3	67.9	88.9	4.2	4.2	0.73
BWREL100065	100 x 65	114.3	105.3	76.3	67.9	101.6	4.5	4.2	1.04
BWREL100080	100 x 80	114.3	105.3	89.1	80.7	101.6	4.5	4.2	1.60
BWREL125065	125 x 65	139.8	130.8	76.3	67.9	127.0	4.5	4.2	1.50
BWREL125080	125 x 80	139.8	130.8	89.1	80.7	127.0	4.5	4.2	1.58
BWREL125100	125 x 100	139.8	130.8	114.3	105.3	127.0	4.5	4.5	2.72
BWREL150080	150 x 80	165.2	155.2	89.1	80.7	139.7	5.0	4.2	2.25
BWREL150100	150 x 100	165.2	155.2	114.3	105.3	139.7	5.0	4.5	2.36
BWREL150125	150 x 125	165.2	155.2	139.8	130.8	139.7	5.0	4.5	2.55
BWREL200100	200 x 100	216.3	204.7	114.3	105.3	152.4	5.8	4.5	3.67
BWREL200125	200 x 125	216.3	204.7	139.8	130.8	152.4	5.8	4.5	3.87
BWREL200150	200 x 150	216.3	204.7	165.2	155.2	152.4	5.8	5.0	4.17
BWREL250150	250 x 150	267.4	254.2	165.2	155.2	177.8	6.6	5.0	6.32
BWREL250200	250 x 200	267.4	254.2	216.3	204.7	177.8	6.6	5.8	6.87
BWREL300250	300 x 250	318.5	304.7	267.4	254.2	203.2	6.9	6.6	9.97



FITTINGS

BUTT WELD FITTINGS

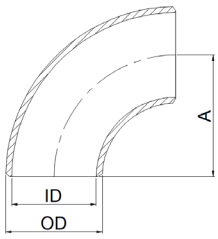


Equal Tee Lightweight JIS B 2311						
Code	NB (mm)	OD	ID	C, M	T	Approx Weight
BWTL050	50	60.5	52.9	63.5	3.8	0.76
BWTL065	65	76.3	67.9	76.2	4.2	1.42
BWTL080	80	89.1	80.7	85.7	4.2	1.87
BWTL100	100	114.3	105.3	104.8	4.5	3.13
BWTL125	125	139.8	130.8	123.8	4.5	7.50
BWTL150	150	165.2	155.2	142.9	5.0	6.84
BWTL200	200	216.3	204.7	177.8	5.8	12.80
BWTL250	250	267.4	254.2	215.9	6.6	21.80
BWTL300	300	318.5	304.7	254.0	6.9	32.00

FITTINGS

BUTT WELD FITTINGS

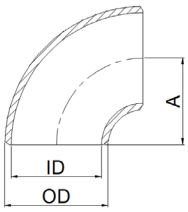
Long Radius Elbow 90° STD Weight ASTM A234 WPB ANSI B16.9						
Code	NB (mm)	OD	ID	A	T	Approx Weight
BWE90015	15	21.3	15.8	38	2.8	0.08
BWE90020	20	26.7	21.0	38	2.9	0.08
BWE90025	25	33.4	26.6	38	3.4	0.15
BWE90032	32	42.2	35.1	48	3.6	0.25
BWE90040	40	48.3	40.9	57	3.7	0.36
BWE90050	50	60.3	52.5	76	3.9	0.65
BWE90065	65	73.0	62.7	95	5.2	1.29
BWE90080	80	88.9	77.9	114	5.5	2.02
BWE90090	90	101.6	90.1	133	5.7	2.84
BWE90100	100	114.3	102.3	152	6.0	3.84
BWE90125	125	141.3	128.2	190	6.6	6.51
BWE90150	150	168.3	154.1	229	7.1	10.10
BWE90200	200	219.1	202.7	305	8.2	20.30
BWE90250	250	273.0	254.5	381	9.3	36.00
BWE90300	300	323.8	304.7	457	9.5	53.00
BWE90350	350	355.6	336.5	533	9.5	68.00
BWE90400	400	406.4	387.3	610	9.5	89.20
BWE90450	450	457.0	437.9	686	9.5	113.00
BWE90500	500	508.0	488.9	762	9.5	140.00
BWE90600	600	610.0	590.9	914	9.5	202.00



FITTINGS

BUTT WELD FITTINGS

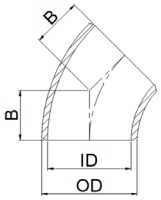
Short Radius Elbow 90° STD Weight ASTM A234 WPB ANSI B16.9						
Code	NB (mm)	OD	ID	A	T	Approx Weight
BWES90020	20	26.7	21.0		2.9	0.11
BWES90025	25	33.4	26.6	25	3.4	0.10
BWES90032	32	42.2	35.1	32	3.6	0.17
BWES90040	40	48.3	40.9	38	3.7	0.25
BWES90050	50	60.3	52.5	51	3.9	0.45
BWES90065	65	73.0	62.7	64	5.2	0.90
BWES90080	80	88.9	77.9	76	5.5	1.37
BWES90090	90	101.6	90.1	89	5.7	3.84
BWES90100	100	114.3	102.3	102	6.0	2.60
BWES90125	125	141.3	128.2	127	6.6	4.35
BWES90150	150	168.3	154.1	152	7.1	6.70
BWES90200	200	219.1	202.7	203	8.2	13.60
BWES90250	250	273.0	254.5	254	9.3	24.00
BWES90300	300	323.8	304.7	305	9.5	35.30
BWES90400	400	406.4	387.3	406	9.5	59.50



FITTINGS

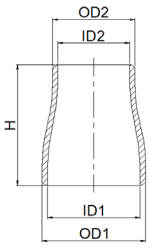
BUTT WELD FITTINGS

Long Radius Elbow 45° STD Weight ASTM A234 WPB ANSI B16.9						
Code	NB (mm)	OD	ID	B	T	Approx Weight
BWE45015	15	21.3	15.8	16	2.8	0.04
BWE45020	20	26.7	21.0	19	2.9	0.04
BWE45025	25	33.4	26.6	22	3.4	0.08
BWE45032	32	42.2	35.1	25	3.6	0.13
BWE45040	40	48.3	40.9	29	3.7	0.18
BWE45050	50	60.3	52.5	35	3.9	0.33
BWE45065	65	73.0	62.7	44	5.2	0.65
BWE45080	80	88.9	77.9	51	5.5	1.01
BWE45100	100	114.3	102.3	64	6.0	1.92
BWE45125	125	141.3	128.2	79	6.6	3.26
BWE45150	150	168.3	154.1	95	7.1	5.05
BWE45200	200	219.1	202.7	127	8.2	10.20
BWE45250	250	273.0	254.5	159	9.3	18.00
BWE45300	300	323.8	304.7	190	9.5	26.50
BWE45350	350	355.6	336.5	222	9.5	34.00
BWE45400	400	406.4	387.3	254	9.5	44.60
BWE45500	500	508.0	488.9	318	9.5	70.00
BWE45600	600	610.0	590.9	381	9.5	100.90



FITTINGS

BUTT WELD FITTINGS

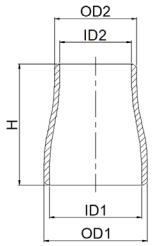


Concentric Reducer STD Weight ASTM A234 WPB ANSI B16.9									
Code	NB (mm)	OD1	ID1	OD2	ID2	H	T1	T2	Approx Weight
BWRC020015	20 x 15	26.7	21.0	21.3	15.8	38	2.9	2.8	0.06
BWRC025015	25 x 15	33.4	26.6	21.3	15.8	51	3.4	2.8	0.11
BWRC025020	25 x 20	33.4	26.6	26.7	21.0	51	3.4	2.9	0.12
BWRC032015	32 x 15	42.2	35.1	21.3	15.8	51	3.6	2.8	0.13
BWRC032020	32 x 20	42.2	35.1	26.7	21.0	51	3.6	2.9	0.14
BWRC032025	32 x 25	42.2	35.1	33.4	26.6	51	3.6	3.4	0.16
BWRC040015	40 x 15	48.3	40.9	21.3	15.8	64	3.7	2.8	0.20
BWRC040020	40 x 20	48.3	40.9	26.7	21.0	64	3.7	2.9	0.22
BWRC040025	40 x 25	48.3	40.9	33.4	26.6	64	3.7	3.4	0.22
BWRC040032	40 x 32	48.3	40.9	42.2	35.1	64	3.7	3.6	0.24
BWRC050015	50 x 15	60.3	52.5	21.3	15.8	76	3.9	2.8	0.30
BWRC050020	50 x 20	60.3	52.5	26.7	21.0	76	3.9	2.9	0.30
BWRC050025	50 x 25	60.3	52.5	33.4	26.6	76	3.9	3.4	0.32
BWRC050032	50 x 32	60.3	52.5	42.2	35.1	76	3.9	3.6	0.35
BWRC050040	50 x 40	60.3	52.5	48.3	40.9	76	3.9	3.7	0.37
BWRC065020	65 x 20	73.0	62.7	26.7	21.0	89	5.2	2.9	0.56
BWRC065025	65 x 25	73.0	62.7	33.4	26.6	89	5.2	3.4	0.59
BWRC065032	65 x 32	73.0	62.7	42.2	35.1	89	5.2	3.6	0.63
BWRC065040	65 x 40	73.0	62.7	48.3	40.9	89	5.2	3.7	0.66
BWRC065050	65 x 50	73.0	62.7	60.3	52.5	89	5.2	3.9	0.72
BWRC080025	80 x 25	88.9	77.9	33.4	26.6	89	5.5	3.4	0.50
BWRC080032	80 x 32	88.9	77.9	42.2	35.1	89	5.5	3.6	0.75
BWRC080040	80 x 40	88.9	77.9	48.3	40.9	89	5.5	3.7	0.78
BWRC080050	80 x 50	88.9	77.9	60.3	52.5	89	5.5	3.9	0.85
BWRC080065	80 x 65	88.9	77.9	73.0	62.7	89	5.5	5.2	0.93
BWRC100040	100 x 40	114.3	102.3	48.3	40.9	102	6.0	3.7	1.27
BWRC100050	100 x 50	114.3	102.3	60.3	52.5	102	6.0	3.9	1.27
BWRC100065	100 x 65	114.3	102.3	73.0	62.7	102	6.0	5.2	1.37
BWRC100080	100 x 80	114.3	102.3	88.9	77.9	102	6.0	5.5	1.45
BWRC125065	125 x 65	141.3	128.2	73.0	62.7	127	6.6	5.2	2.16
BWRC125080	125 x 80	141.3	128.2	88.9	77.9	127	6.6	5.5	2.27
BWRC125100	125 x 100	141.3	128.2	114.3	102.3	127	6.6	6.0	2.50

FITTINGS

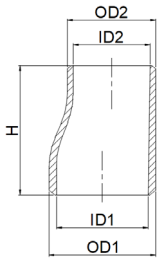
BUTT WELD FITTINGS

Concentric Reducer STD Weight ASTM A234 WPB ANSI B16.9 (continued)									
Code	NB (mm)	OD1	ID1	OD2	ID2	H	T1	T2	Approx Weight
BWRC150050	150 x 50	168.3	154.1	60.3	52.5	140	7.1	3.9	2.50
BWRC150065	150 x 65	168.3	154.1	73.0	62.7	140	7.1	5.2	2.92
BWRC150080	150 x 80	168.3	154.1	88.9	77.9	140	7.1	5.5	3.04
BWRC150100	150 x 100	168.3	154.1	114.3	102.3	140	7.1	6.0	3.30
BWRC150125	150 x 125	168.3	154.1	141.3	128.2	140	7.1	6.6	3.57
BWRC200080	200 x 80	219.1	202.7	88.9	77.9	152	8.2	5.5	4.97
BWRC200100	200 x 100	219.1	202.7	114.3	102.3	152	8.2	6.0	5.10
BWRC200125	200 x 125	219.1	202.7	141.3	128.2	152	8.2	6.6	5.40
BWRC200150	200 x 150	219.1	202.7	168.3	154.1	152	8.2	7.1	5.71
BWRC250100	250 x 100	273.0	254.5	114.3	102.3	178	9.3	6.0	8.06
BWRC250125	250 x 125	273.0	254.5	141.3	128.2	178	9.3	6.6	10.50
BWRC250150	250 x 150	273.0	254.5	168.3	154.1	178	9.3	7.1	8.78
BWRC250200	250 x 200	273.0	254.5	219.1	202.7	178	9.3	8.2	9.58
BWRC300150	300 x 150	323.8	304.7	168.3	154.1	203	9.5	7.1	11.80
BWRC300200	300 x 200	323.8	304.7	219.1	202.7	203	9.5	8.2	12.70
BWRC300250	300 x 250	323.8	304.7	273.0	254.5	203	9.5	9.3	13.60
BWRC350150	350 x 150	355.6	336.5	168.3	154.1	330	9.5	7.1	25.00
BWRC350200	350 x 200	355.6	336.5	219.1	202.7	330	9.5	8.2	21.80
BWRC350250	350 x 250	355.6	336.5	273.0	254.5	330	9.5	9.3	23.60
BWRC350300	350 x 300	355.6	336.5	323.8	304.7	330	9.5	9.5	25.40
BWRC400200	400 x 200	406.4	387.3	219.1	202.7	356	9.5	8.2	25.60
BWRC400250	400 x 250	406.4	387.3	273.0	254.5	356	9.5	9.3	27.80
BWRC400300	400 x 300	406.4	387.3	323.8	304.7	356	9.5	9.5	29.60
BWRC400350	400 x 350	406.4	387.3	355.6	336.5	356	9.5	9.5	31.00
BWRC450250	450 x 250	457.0	437.9	273.0	254.5	381	9.5	9.3	31.60
BWRC450300	450 x 300	457.0	437.9	323.8	304.7	381	9.5	9.5	34.30
BWRC450350	450 x 350	457.0	437.9	355.6	336.5	381	9.5	9.5	35.70
BWRC450400	450 x 400	457.0	437.9	406.4	387.3	381	9.5	9.5	37.80
BWRC500300	500 x 300	508.0	488.9	323.8	304.7	508	9.5	9.5	56.30
BWRC500400	500 x 400	508.0	488.9	406.4	387.3	508	9.5	9.5	56.00
BWRC500450	500 x 450	508.0	488.9	457.0	437.9	508	9.5	9.5	60.00
BWRC600400	600 x 400	610.0	590.9	406.4	387.3	508	9.5	9.5	68.40



FITTINGS

BUTT WELD FITTINGS

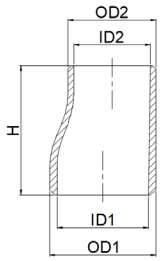


Eccentric Reducer STD Weight ASTM A234 WPB ANSI B16.9									
Code	NB (mm)	OD1	ID1	OD2	ID2	H	T1	T2	Approx Weight
BWRE020015	20 x 15	26.7	21.0	21.3	15.8	38	2.9	2.8	0.06
BWRE025015	25 x 15	33.4	26.6	21.3	15.8	51	3.4	2.8	1.05
BWRE025020	25 x 20	33.4	26.6	26.7	21.0	51	3.4	2.9	1.16
BWRE032015	32 x 15	42.2	35.1	21.3	15.8	51	3.6	2.8	0.13
BWRE032020	32 x 20	42.2	35.1	26.7	21.0	51	3.6	2.9	0.14
BWRE032025	32 x 25	42.2	35.1	33.4	26.6	51	3.6	3.4	0.16
BWRE040015	40 x 15	48.3	40.9	21.3	15.8	64	3.7	2.8	0.20
BWRE040020	40 x 20	48.3	40.9	26.7	21.0	64	3.7	2.9	0.20
BWRE040025	40 x 25	48.3	40.9	33.4	26.6	64	3.7	3.4	0.22
BWRE040032	40 x 32	48.3	40.9	42.2	35.1	64	3.7	3.6	0.24
BWRE050015	50 x 15	60.3	52.5	21.3	15.8	76	3.9	2.8	0.37
BWRE050020	50 x 20	60.3	52.5	26.7	21.0	76	3.9	2.9	0.30
BWRE050025	50 x 25	60.3	52.5	33.4	26.6	76	3.9	3.4	0.32
BWRE050032	50 x 32	60.3	52.5	42.2	35.1	76	3.9	3.6	0.35
BWRE050040	50 x 40	60.3	52.5	48.3	40.9	76	3.9	3.7	0.37
BWRE065025	65 x 25	73.0	62.7	33.4	26.6	89	5.2	3.4	0.59
BWRE065032	65 x 32	73.0	62.7	42.2	35.1	89	5.2	3.6	0.63
BWRE065040	65 x 40	73.0	62.7	48.3	40.9	89	5.2	3.7	0.66
BWRE065050	65 x 50	73.0	62.7	60.3	52.5	89	5.2	3.9	0.72
BWRE080025	80 x 25	88.9	77.9	33.4	26.6	89	5.5	3.4	0.70
BWRE080032	80 x 32	88.9	77.9	42.2	35.1	89	5.5	3.6	0.75
BWRE080040	80 x 40	88.9	77.9	48.3	40.9	89	5.5	3.7	0.78
BWRE080050	80 x 50	88.9	77.9	60.3	52.5	89	5.5	3.9	0.85
BWRE080065	80 x 65	88.9	77.9	73.0	62.7	89	5.5	5.2	0.93
BWRE100032	100 x 32	114.3	102.3	42.2	35.1	102	6.0	3.6	1.05
BWRE100040	100 x 40	114.3	102.3	48.3	40.9	102	6.0	3.7	1.16
BWRE100050	100 x 50	114.3	102.3	60.3	52.5	102	6.0	3.9	1.27
BWRE100065	100 x 65	114.3	102.3	73.0	62.7	102	6.0	5.2	1.37

FITTINGS

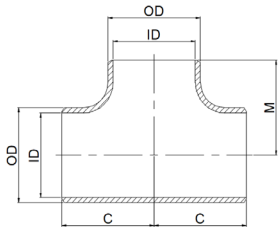
BUTT WELD FITTINGS

Eccentric Reducer STD Weight ASTM A234 WPB ANSI B16.9 (continued)									
Code	NB (mm)	OD1	ID1	OD2	ID2	H	T1	T2	Approx Weight
BWRE100080	100 x 80	114.3	102.3	88.9	77.9	102	6.0	5.5	1.45
BWRE125080	125 x 80	141.3	128.2	88.9	77.9	127	6.6	5.5	2.27
BWRE125100	125 x 100	141.3	128.2	114.3	102.3	127	6.6	6.0	2.50
BWRE150080	150 x 80	168.3	154.1	88.9	77.9	140	7.1	5.5	3.04
BWRE150100	150 x 100	168.3	154.1	114.3	102.3	140	7.1	6.0	3.30
BWRE150125	150 x 125	168.3	154.1	141.3	128.2	140	7.1	6.6	3.57
BWRE200100	200 x 100	219.1	202.7	114.3	102.3	152	8.2	6.0	5.10
BWRE200125	200 x 125	219.1	202.7	141.3	128.2	152	8.2	6.6	5.40
BWRE200150	200 x 150	219.1	202.7	168.3	154.1	152	8.2	7.1	5.71
BWRE250150	250 x 150	273.0	254.5	168.3	154.1	178	9.3	7.1	8.78
BWRE250200	250 x 200	273.0	254.5	219.1	202.7	178	9.3	8.2	9.58
BWRE300100	300 x 100	323.8	304.7	114.3	102.3	203	9.5	6.0	13.90
BWRE300150	300 x 150	323.8	304.7	168.3	154.1	203	9.5	7.1	11.80
BWRE300200	300 x 200	323.8	304.7	219.1	202.7	203	9.5	8.2	12.70
BWRE300250	300 x 250	323.8	304.7	273.0	254.5	203	9.5	9.3	13.60
BWRE350150	350 x 150	355.6	336.5	168.3	154.1	330	9.5	7.1	25.60
BWRE350200	350 x 200	355.6	336.5	219.1	202.7	330	9.5	8.2	21.80
BWRE350250	350 x 250	355.6	336.5	273.0	254.5	330	9.5	9.3	23.60
BWRE350300	350 x 300	355.6	336.5	323.8	304.7	330	9.5	9.5	25.40
BWRE400200	400 x 200	406.4	387.3	219.1	202.7	356	9.5	8.2	31.00
BWRE400250	400 x 250	406.4	387.3	273.0	254.5	356	9.5	9.3	27.80
BWRE400300	400 x 300	406.4	387.3	323.8	304.7	356	9.5	9.5	31.00
BWRE400350	400 x 350	406.4	387.3	355.6	336.5	356	9.5	9.5	31.00
BWRE450250	450 x 250	457.0	437.9	273.0	254.5	381	9.5	9.3	32.70
BWRE500300	500 x 300	508.0	488.9	323.8	304.7	508	9.5	9.5	34.00
BWRE500400	500 x 400	508.0	488.9	406.4	387.3	508	9.5	9.5	56.30
BWRE600400	600 x 400	610.0	590.9	406.4	387.3	508	9.5	9.5	68.40

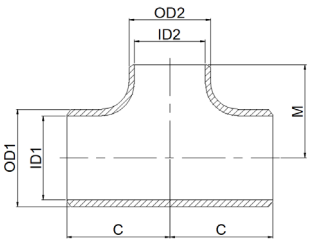


FITTINGS

BUTT WELD FITTINGS



Equal Tee STD Weight ASTM A234 WPB ANSI B16.9						
Code	NB (mm)	OD	ID	C, M	T	Approx Weight
BWT015	15	21.3	15.8	25	2.8	0.08
BWT020	20	26.7	21.0	29	2.9	0.11
BWT025	25	33.4	26.6	38	3.4	0.24
BWT032	32	42.2	35.1	48	3.6	0.46
BWT040	40	48.3	40.9	57	3.7	0.71
BWT050	50	60.3	52.5	64	3.9	0.99
BWT065	65	73.0	62.7	76	5.2	1.90
BWT080	80	88.9	77.9	86	5.5	2.85
BWT090	90	101.6	90.1	95	5.7	3.83
BWT100	100	114.3	102.3	105	6.0	4.83
BWT125	125	141.3	128.2	124	6.6	8.00
BWT150	150	168.3	154.1	143	7.1	10.20
BWT200	200	219.1	202.7	178	8.2	22.90
BWT250	250	273.0	254.5	216	9.3	36.60
BWT300	300	323.8	304.7	254	9.5	58.40
BWT350	350	355.6	336.5	279	9.5	83.20
BWT400	400	406.4	387.3	305	9.5	96.30
BWT450	450	457.0	437.9	343	9.5	83.90
BWT500	500	508.0	488.9	381	9.5	139.00



Reducing Tee STD Weight ASTM A234 WPB ANSI B16.9										
Code	NB (mm)	OD1	ID1	OD2	ID2	C	M	T1	T2	Approx Weight
BWTR020015	20 x 15	26.7	21.0	21.3	15.8	29	29	2.9	2.8	0.12
BWTR025015	25 x 15	33.4	26.6	21.3	15.8	38	38	3.4	2.8	0.22
BWTR025020	25 x 20	33.4	26.6	26.7	21.0	38	38	3.4	2.9	0.23
BWTR032015	32 x 15	42.2	35.1	21.3	15.8	48	48	3.6	2.8	0.37
BWTR032020	32 x 20	42.2	35.1	26.7	21.0	48	48	3.6	2.9	0.37
BWTR032025	32 x 25	42.2	35.1	33.4	26.6	48	48	3.6	3.4	0.39
BWTR040015	40 x 15	48.3	40.9	21.3	15.8	57	57	3.7	2.8	0.52
BWTR040020	40 x 20	48.3	40.9	26.7	21.0	57	57	3.7	2.9	0.52
BWTR040025	40 x 25	48.3	40.9	33.4	26.6	57	57	3.7	3.4	0.55
BWTR040032	40 x 32	48.3	40.9	42.2	35.1	57	57	3.7	3.6	0.68

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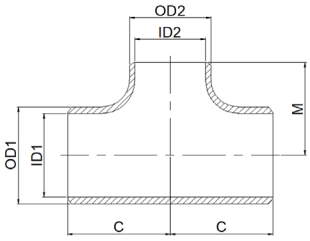
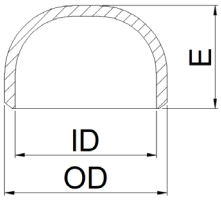
BUTT WELD FITTINGS

Reducing Tee STD Weight ASTM A234 WPB ANSI B16.9 (continued)										
Code	NB (mm)	OD1	ID1	OD2	ID2	C	M	T1	T2	Approx Weight
BWTR050015	50 x 15	60.3	52.5	21.3	15.8	64	44	3.9	2.8	0.71
BWTR050020	50 x 20	60.3	52.5	26.7	21.0	64	44	3.9	2.9	0.73
BWTR050025	50 x 25	60.3	52.5	33.4	26.6	64	51	3.9	3.4	0.74
BWTR050032	50 x 32	60.3	52.5	42.2	35.1	64	57	3.9	3.6	0.89
BWTR050040	50 x 40	60.3	52.5	48.3	40.9	64	60	3.9	3.7	0.93
BWTR065025	65 x 25	73.0	62.7	33.4	26.6	76	57	5.2	3.4	1.48
BWTR065032	65 x 32	73.0	62.7	42.2	35.1	76	64	5.2	3.6	1.56
BWTR065040	65 x 40	73.0	62.7	48.3	40.9	76	67	5.2	3.7	1.47
BWTR065050	65 x 50	73.0	62.7	60.3	52.5	76	70	5.2	3.9	1.53
BWTR080025	80 x 25	88.9	77.9	33.4	26.6	86	70	5.5	3.4	2.00
BWTR080032	80 x 32	88.9	77.9	42.2	35.1	86	70	5.5	3.6	2.08
BWTR080040	80 x 40	88.9	77.9	48.3	40.9	86	73	5.5	3.7	2.08
BWTR080050	80 x 50	88.9	77.9	60.3	52.5	86	76	5.5	3.9	2.14
BWTR080065	80 x 65	88.9	77.9	73.0	62.7	86	83	5.5	5.2	2.27
BWTR100040	100 x 40	114.3	102.3	48.3	40.9	105	86	6.0	3.7	3.43
BWTR100050	100 x 50	114.3	102.3	60.3	52.5	105	89	6.0	3.9	3.55
BWTR100065	100 x 65	114.3	102.3	73.0	62.7	105	95	6.0	5.2	3.69
BWTR100080	100 x 80	114.3	102.3	88.9	77.9	105	98	6.0	5.5	3.82
BWTR125080	125 x 80	141.3	128.2	88.9	77.9	124	111	6.6	5.5	6.10
BWTR125100	125 x 100	141.3	128.2	114.3	102.3	124	117	6.6	6.0	6.18
BWTR150065	150 x 65	168.3	154.1	73.0	62.7	143	121	7.1	5.2	8.32
BWTR150080	150 x 80	168.3	154.1	88.9	77.9	143	124	7.1	5.5	8.52
BWTR150100	150 x 100	168.3	154.1	114.3	102.3	143	130	7.1	6.0	8.81
BWTR150125	150 x 125	168.3	154.1	141.3	128.2	143	137	7.1	6.6	9.08
BWTR200080	200 x 80	219.1	202.7	88.9	77.9	178	156	8.2	5.5	15.70
BWTR200100	200 x 100	219.1	202.7	114.3	102.3	178	156	8.2	6.0	18.00
BWTR200125	200 x 125	219.1	202.7	141.3	128.2	178	162	8.2	6.6	18.40
BWTR200150	200 x 150	219.1	202.7	168.3	154.1	178	168	8.2	7.1	18.80
BWTR250100	250 x 100	273.0	254.5	114.3	102.3	216	184	9.3	6.0	29.60
BWTR250125	250 x 125	273.0	254.5	141.3	128.2	216	191	9.3	6.6	30.10
BWTR250150	250 x 150	273.0	254.5	168.3	154.1	216	194	9.3	7.1	30.50
BWTR250200	250 x 200	273.0	254.5	219.1	202.7	216	203	9.3	8.2	32.40
BWTR300150	300 x 150	323.8	304.7	168.3	154.1	254	219	9.5	7.1	51.20
BWTR300200	300 x 200	323.8	304.7	219.1	202.7	254	229	9.5	8.2	53.10
BWTR300250	300 x 250	323.8	304.7	273.0	254.5	254	241	9.5	9.3	55.20

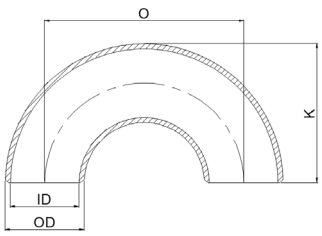


FITTINGS

BUTT WELD FITTINGS



Cap STD Weight ASTM A234 WPB ANSI B16.9						
Code	NB (mm)	OD	ID	E	T	Approx Weight
BWC020	20	26.7	21.0	25	2.9	0.05
BWC025	25	33.4	26.6	38	3.4	0.11
BWC032	32	42.2	35.1	38	3.6	0.14
BWC040	40	48.3	40.9	38	3.7	0.17
BWC050	50	60.3	52.5	44	3.9	0.23
BWC065	65	73.0	62.7	51	5.2	0.39
BWC080	80	88.9	77.9	64	5.5	0.66
BWC100	100	114.3	102.3	76	6.0	1.17
BWC125	125	141.3	128.2	89	6.6	1.91
BWC150	150	168.3	154.1	102	7.1	2.90
BWC200	200	219.1	202.7	127	8.2	5.19
BWC250	250	273.0	254.5	152	9.3	9.15
BWC300	300	323.8	304.7	178	9.5	13.30
BWC350	350	355.6	336.5	191	9.5	15.90
BWC400	400	406.4	387.3	203	9.5	20.00
BWC450	450	457.0	437.9	229	9.5	25.60
BWC500	500	508.0	488.9	254	9.5	31.90
BWC600	600	610.0	590.9	305	9.5	45.10

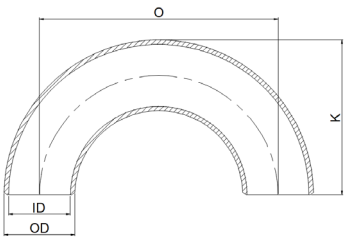


Long Radius Elbow 180° STD Weight ATSM A234 WPB ANSI B16.9							
Code	NB (mm)	OD	ID	K	O	T	Approx Weight
BWE180020	20	26.7	21.0	51	76	2.9	0.22
BWE180025	25	33.4	26.6	56	76	3.4	0.32
BWE180032	32	42.2	35.1	70	95	3.6	0.46
BWE180040	40	48.3	40.9	83	114	3.7	0.73
BWE180050	50	60.3	52.5	106	152	3.9	1.14
BWE180065	65	73.0	62.7	132	190	5.2	2.50
BWE180080	80	88.9	77.9	159	229	5.5	3.64
BWE180100	100	114.3	102.3	210	305	6.0	8.18
BWE180125	125	141.3	128.2	381	262	6.6	13.18
BWE180150	150	168.3	154.1	457	313	7.1	21.82
BWE180200	200	219.1	202.7	610	414	8.2	44.99

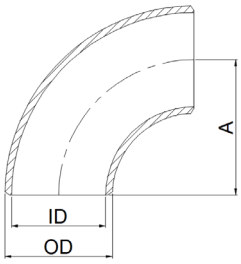
FITTINGS

BUTT WELD FITTINGS

Short Radius Elbow 180° STD Weight ASTM A234 WPB ANSI B16.9							
Code	NB (mm)	OD	ID	K	O	T	Approx Weight
BWES180025	25	33.4	26.6	41	51	3.4	0.20
BWES180032	32	42.2	35.1	52	64	3.6	0.34
BWES180040	40	48.3	40.9	62	76	3.7	0.48
BWES180050	50	60.3	52.5	81	102	3.9	0.87
BWES180065	65	73.0	62.7	100	127	5.2	1.72
BWES180080	80	88.9	77.9	121	152	5.5	2.70
BWES180100	100	114.3	102.3	159	203	6.0	5.12
BWES180150	150	168.3	154.1	237	305	7.1	13.50

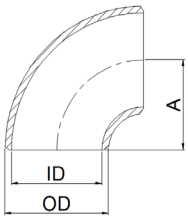


Long Radius Elbow 90° XS Weight ASTM A234 WPB ANSI B16.9						
Code	NB (mm)	OD	ID	A	T	Approx Weight
BWEX90015	15	21.3	13.8	38	3.7	0.10
BWEX90020	20	26.7	18.9	38	3.9	0.10
BWEX90025	25	33.4	24.3	38	4.6	0.19
BWEX90032	32	42.2	32.5	48	4.9	0.33
BWEX90040	40	48.3	38.1	57	5.1	0.49
BWEX90050	50	60.3	49.2	76	5.5	0.89
BWEX90065	65	73.0	59.0	95	7	1.70
BWEX90080	80	88.9	73.7	114	7.6	2.74
BWEX90100	100	114.3	97.2	152	8.6	5.34
BWEX90125	125	141.3	122.2	190	9.5	9.25
BWEX90150	150	168.3	146.4	229	11	15.30
BWEX90200	200	219.1	193.7	305	12.7	30.90
BWEX90250	250	273.0	247.6	381	12.7	48.80
BWEX90300	300	323.8	298.4	457	12.7	69.90

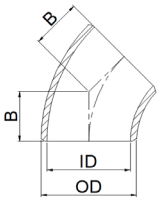


FITTINGS

BUTT WELD FITTINGS



Short Radius Elbow 90° XS Weight ASTM A234 WPB ANSI B16.9						
Code	NB (mm)	OD	ID	A	T	Approx Weight
BWES90X032	32	42.2	32.5	32	4.9	0.22
BWES90X040	40	48.3	38.1	38	5.1	0.32
BWES90X050	50	60.3	49.2	51	5.5	0.60
BWES90X065	65	73.0	59.0	64	7.0	1.14
BWES90X080	80	88.9	73.7	76	7.6	1.83
BWES90X100	100	114.3	97.2	102	8.6	3.56
BWES90X150	150	168.3	146.4	152	11	10.20
BWES90X200	200	219.1	193.7	203	12.7	20.60

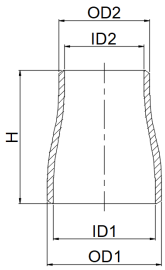


Long Radius Elbow 45° XS Weight ASTM A234 WPB ANSI B16.9						
Code	NB (mm)	OD	ID	B	T	Approx Weight
BWEX45015	15	21.3	13.8	16	3.7	0.05
BWEX45020	20	26.7	18.9	19	3.9	0.05
BWEX45025	25	33.4	24.3	22	4.6	0.10
BWEX45032	32	42.2	32.5	25	4.9	0.17
BWEX45040	40	48.3	38.1	29	5.1	0.24
BWEX45050	50	60.3	49.2	35	5.5	0.45
BWEX45065	65	73.0	59.0	44	7.0	0.85
BWEX45080	80	88.9	73.7	51	7.6	1.37
BWEX45100	100	114.3	97.2	64	8.6	2.67
BWEX45150	150	168.3	146.4	95	11	7.65
BWEX45200	200	219.1	193.7	127	12.7	15.40

FITTINGS

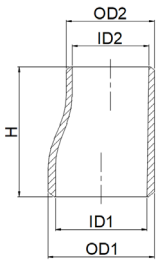
BUTT WELD FITTINGS

Concentric Reducer XS Weight ASTM A234 WPB ANSI B16.9									
Code	NB (mm)	OD1	ID1	OD2	ID2	H	T1	T2	Approx Weight
BWRCX020015	20 x 15	26.7	18.9	21.3	13.8	38	3.9	3.7	0.07
BWRCX025015	25 x 15	33.4	24.3	21.3	13.8	51	4.6	3.7	0.13
BWRCX025020	25 x 20	33.4	24.3	26.7	18.9	51	4.6	3.9	0.15
BWRCX032015	32 x 15	42.2	32.5	21.3	13.8	51	4.9	3.7	0.17
BWRCX032020	32 x 20	42.2	32.5	26.7	18.9	51	4.9	3.9	0.19
BWRCX032025	32 x 25	42.2	32.5	33.4	24.3	51	4.9	4.6	0.23
BWRCX040015	40 x 15	48.3	38.1	21.3	13.8	64	5.4	3.7	0.25
BWRCX040020	40 x 20	48.3	38.1	26.7	18.9	64	5.4	3.9	0.27
BWRCX040025	40 x 25	48.3	38.1	33.4	24.3	64	5.4	4.6	0.29
BWRCX040032	40 x 32	48.3	38.1	42.2	32.5	64	5.4	4.9	0.32
BWRCX050025	50 x 25	60.3	49.2	33.4	24.3	76	5.5	4.6	0.43
BWRCX050032	50 x 32	60.3	49.2	42.2	32.5	76	5.5	4.9	0.54
BWRCX050040	50 x 40	60.3	49.2	48.3	38.1	76	5.5	5.4	0.51
BWRCX065025	65 x 25	73.0	59.0	33.4	24.3	89	7.0	4.6	0.73
BWRCX065050	65 x 50	73.0	59.0	60.3	49.2	89	7.0	5.5	0.92
BWRCX080040	80 x 40	88.9	73.7	48.3	38.1	89	7.6	5.4	1.04
BWRCX080050	80 x 50	88.9	73.7	60.3	49.2	89	7.6	5.5	1.13
BWRCX080065	80 x 65	88.9	73.7	73.0	59.0	89	7.6	7.0	1.23
BWRCX100050	100 x 50	114.3	97.2	60.3	49.2	102	8.6	5.5	1.75
BWRCX100065	100 x 65	114.3	97.2	73.0	59.0	102	8.6	7.0	1.86
BWRCX100080	100 x 80	114.3	97.2	88.9	73.7	102	8.6	7.6	2.02
BWRCX125100	125 x 100	141.3	122.2	114.3	97.2	127	9.5	8.6	3.54
BWRCX150050	150 x 50	168.3	146.4	60.3	49.2	140	11.0	5.5	4.38
BWRCX150080	150 x 80	168.3	146.4	88.9	73.7	140	11.0	7.6	4.56
BWRCX150100	150 x 100	168.3	146.4	114.3	97.2	140	11.0	8.6	5.03
BWRCX150125	150 x 125	168.3	146.4	141.3	122.2	140	11.0	9.5	5.38
BWRCX200100	200 x 100	219.1	193.7	114.3	97.2	152	12.7	8.6	7.77
BWRCX200150	200 x 150	219.1	193.7	168.3	146.4	152	12.7	11.0	8.76
BWRCX250200	250 x 200	273.0	247.6	219.1	193.7	178	12.7	12.7	12.90

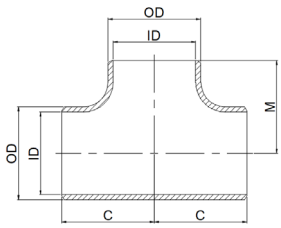


FITTINGS

BUTT WELD FITTINGS



Eccentric Reducer XS Weight ASTM A234 WPB ANSI B16.9									
Code	NB (mm)	OD1	ID1	OD2	ID2	H	T1	T2	Approx Weight
BWREX020015	20 x 15	26.7	18.9	21.3	13.8	38	3.9	3.7	0.07
BWREX025015	25 x 15	33.4	24.3	21.3	13.8	51	4.6	3.7	0.14
BWREX025020	25 x 20	33.4	24.3	26.7	18.9	51	4.6	3.9	0.14
BWREX040025	40 x 25	48.3	38.1	33.4	24.3	64	5.4	4.6	0.29
BWREX050020	50 x 20	60.3	49.2	26.7	18.9	76	5.5	3.9	0.40
BWREX050025	50 x 25	60.3	49.2	33.4	24.3	76	5.5	4.6	0.44
BWREX050040	50 x 40	60.3	49.2	48.3	38.1	76	5.5	5.4	0.51
BWREX065050	65 x 50	73.0	59.0	60.3	49.2	89	7.0	5.5	0.95
BWREX080040	80 x 40	88.9	73.7	48.3	38.1	89	7.6	5.4	1.04
BWREX080050	80 x 50	88.9	73.7	60.3	49.2	89	7.6	5.5	1.13
BWREX080065	80 x 65	88.9	73.7	73.0	59.0	89	7.6	7.0	1.25
BWREX100050	100 x 50	114.3	97.2	60.3	49.2	102	8.6	5.5	1.75
BWREX100065	100 x 65	114.3	97.2	73.0	59.0	102	8.6	7.0	1.90
BWREX100080	100 x 80	114.3	97.2	88.9	73.7	102	8.6	7.6	2.13
BWREX150080	150 x 80	168.3	146.4	88.9	73.7	140	11.0	7.6	4.60
BWREX150100	150 x 100	168.3	146.4	114.3	97.2	140	11.0	8.6	4.96
BWREX200150	200 x 150	219.1	193.7	168.3	146.4	152	12.7	11.0	8.75

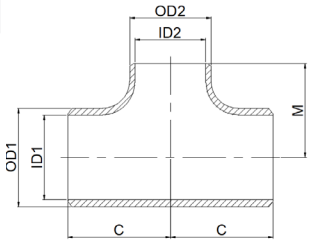


Equal Tee XS Weight ASTM A234 WPB ANSI B16.9						
Code	NB (mm)	OD	ID	C, M	T	Approx Weight
BWTX015	15	21.3	13.8	25	3.7	0.11
BWTX020	20	26.7	18.9	29	3.9	0.16
BWTX025	25	33.4	24.3	38	4.6	0.32
BWTX032	32	42.2	32.5	48	4.9	0.56
BWTX040	40	48.3	38.1	57	5.1	0.81
BWTX050	50	60.3	49.2	64	5.5	1.20
BWTX065	65	73.0	59.0	76	7.0	2.28
BWTX080	80	88.9	73.7	86	7.6	3.25
BWTX100	100	114.3	97.2	105	8.6	5.77
BWTX150	150	168.3	146.4	143	11.0	14.50
BWTX200	200	219.1	193.7	178	12.7	27.10
BWTX250	250	273.0	247.6	216	12.7	41.70
BWTX300	300	323.8	298.4	254	12.7	114.95

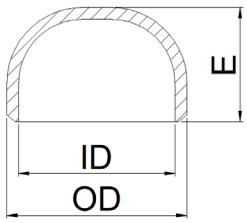
FITTINGS

BUTT WELD FITTINGS

Reducing Tee XS Weight ASTM A234 WPB ANSI B16.9										
Code	NB (mm)	OD1	OD2	ID1	ID2	C	M	T1	T2	Approx Weight
BWTRX020015	20 x 15	26.7	18.9	21.3	13.8	29	29	3.9	3.7	0.15
BWTRX025015	25 x 15	33.4	24.3	21.3	13.8	38	38	4.6	3.7	0.28
BWTRX040020	40 x 20	48.3	38.1	26.7	18.9	57	57	5.1	3.9	0.69
BWTRX040025	40 x 25	48.3	38.1	33.4	24.3	57	57	5.1	4.6	0.73
BWTRX050025	50 x 25	60.3	49.2	33.4	24.3	64	51	5.5	4.6	1.01
BWTRX050040	50 x 40	60.3	49.2	48.3	38.1	64	60	5.5	5.1	1.11
BWTRX080025	80 x 25	88.9	73.7	33.4	24.3	86	70	7.6	4.6	2.65
BWTRX080050	80 x 50	88.9	73.7	60.3	49.2	86	76	7.6	5.5	2.85
BWTRX100050	100 x 50	114.3	97.2	60.3	49.2	105	89	8.6	5.5	4.93
BWTRX100080	100 x 80	114.3	97.2	88.9	73.7	105	98	8.6	7.6	5.33
BWTRX150080	150 x 80	168.3	146.4	88.9	73.7	143	124	11.0	7.6	12.8



Cap XS Weight ASTM A234 WPB ANSI B16.9						
Code	NB (mm)	OD	ID	E	T	Approx Weight
BWCX015	15	21.3	13.8	25	3.7	0.05
BWCX025	25	33.4	24.3	38	4.6	0.15
BWCX040	40	48.3	38.1	38	5.1	0.24
BWCX050	50	60.3	49.2	44	5.5	0.33
BWCX065	65	73.0	59.0	51	7.0	0.53
BWCX080	80	88.9	73.7	64	7.6	0.92
BWCX100	100	114.3	122.2	76	8.6	1.67
BWCX125	125	141.3	122.2	89	9.5	2.78
BWCX150	150	168.3	146.4	102	11.0	4.47
BWCX200	200	219.1	193.7	127	12.7	8.05
BWCX250	250	273.0	247.6	152	12.7	12.50



FITTINGS

STEEL FITTINGS

STEEL UNIONS
Black steel Unions are used in a wide range of make-and-break joints such as : Filters, valves, hoses, machinery etc.; general piping installations requiring periodic disconnections; high or low pressure assemblies in air, oil, gas and water. Available in Steel-Steel, Steel-Bronze and Bronze-Bronze seats in Female-Female and Male-Female types.

SEATINGS
Ball to Cone Seating in the following combinations:

Steel-Steel
This is a general purpose combination recommended where vibration is present. The seats are Integral and therefore are the most economically priced. This union will suit almost any application. Zinc coating improves the efficiency of the joints to a marked degree where corrosion is present.

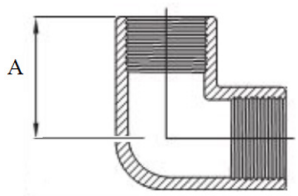
Steel-Bronze
A good seat combination where corrosion due to the material used in the line or where condensation is present and when periodic disconnection is required. Zinc coating improves the efficiency of the joint.

Bronze-Bronze
Should corrosion – due to material in the pipe line or condensation be a major factor, and where consistent disconnection is required, this seat combination is advised. Ideally suited to steam lines. Zinc coating improves the corrosion resistance of the seat area.

THREADING
Taper threads only. External (R) and internal (RC) series to AS 1722 Part 1.

SPECIFICATIONS
Asmuss Steel Fittings are pressure tested by application of internal pressure, under which they are required to withstand, without signs of leakage, failure or plastic deformation the following tests:

- All sizes of unions up to 50NB individually tested to 2000 p.s.i. and sample tested to 3000 p.s.i.
- All sizes of unions over 50NB individually tested to 1500 p.s.i.
- All sizes of ordinary sockets samples tested to 750 p.s.i.
- All sizes of other fittings sample tested to 750 p.s.i.

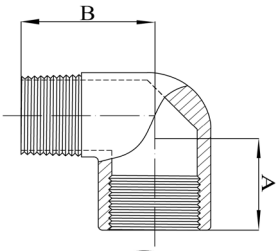


Black & Galvanised Mild Steel Female-Female Elbow 90°				
Code Black	Code Galvanised	NB (mm)	A	Approx Weight
WBE006		6	16	0.09
WBE008		8	22	0.07
WBE010		10	24	0.09
WBE015	WGE015	15	32	0.17
WBE020	WGE020	20	35	0.26
WBE025	WGE025	25	43	0.42
WBE032	WGE032	32	51	0.64
WBE040	WGE040	40	52	0.76
WBE050	WGE050	50	64	1.22
WBE065		65	76	2.00
WBE080		80	89	2.71
WBE100		100		5.77

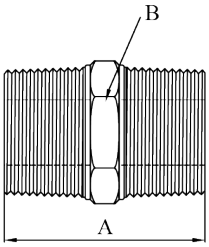
FITTINGS

STEEL FITTINGS

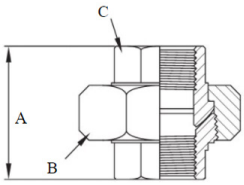
Black & Galvanised Mild Steel Male-Female Elbow 90°					
Code Black	Code Galvanised	NB (mm)	A	B	Approx Weight
WBEMF008		8	19	27	0.04
WBEMF010		10	21	29	0.07
WBEMF015	WGEMF015	15	25	35	0.13
WBEMF020	WGEMF020	20	30	40	0.19
WBEMF025	WGEMF025	25	37	46	0.34
WBEMF032	WGEMF032	32	43	54	0.62
WBEMF040	WGEMF040	40	49	57	0.73
WBEMF050	WGEMF050	50	59	70	1.25



Black & Galvanised Mild Hexagon Steel Nipple					
Code Black	Code Galvanised	NB (mm)	A	B	Approx Weight
WBN006		6	25	11	0.01
WBN008		8	31	16	0.03
WBN010		10	33	19	0.04
WBN015	WGN015	15	43	22	0.07
WBN020	WGN020	20	48	27	0.10
WBN025	WGN025	25	52	35	0.17
WBN032	WGN040	32	59	47	0.31
WBN040	WGN050	40	61	52	0.41
WBN050		50	68	61	0.61
WBN065		65	80	79	1.16
WBN080		80	89	92	0.14
WBN100		100	102	117	3.91

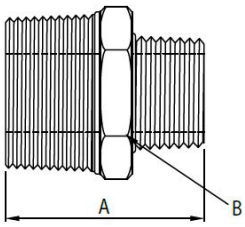


Black Mild Steel Female-Female Union							
Code Steel-Steel	Code Bronze-Steel	Code Bronze-Bronze	NB (mm)	A	B	C	Approx Weight
	WBUB008		8	42	35	21	0.15
WBUS010	WBUB010		10	42	35	21	0.18
WBUS015	WBUB015	WBUBB015	15	46	42	26	0.28
WBUS020	WBUB020	WBUBB020	20	54	52	34	0.44
WBUS025	WBUB025	WBUBB025	25	61	61	40	0.62
WBUS032	WBUB032	WBUBB032	32	71	76	50	0.95
WBUS040	WBUB040	WBUBB040	40	82	83	56	1.26
WBUS050	WBUB050	WBUBB050	50	88	101	70	1.80

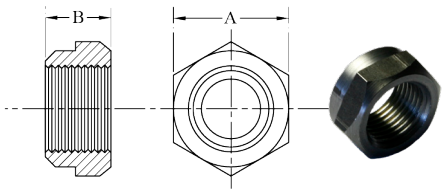


FITTINGS

STEEL FITTINGS



Black & Galvanised Mild Steel Reducing Nipple					
Code Black	Code Galvanised	NB (mm)	A	B	Approx Weight
WBNR008006		8 x 6	30	16	0.02
WBNR010006		10 x 6	31	19	0.03
WBNR010008		10 x 8	34	19	0.03
WBNR015006		15 x 6	40	22	0.06
WBNR015008		15 x 8	40	22	0.06
WBNR015010		15 x 10	40	22	0.06
WBNR020008		20 x 8	42	27	0.08
WBNR020010		20 x 10	42	27	0.09
WBNR020015	WGNR020015	20 x 15	47	27	0.10
WBNR025015	WGNR025015	25 x 15	50	35	0.16
WBNR025020		25 x 20	50	35	0.16
WBNR032015		32 x 15	55	47	0.31
WBNR032020		32 x 20	55	47	0.29
WBNR032025		32 x 25	57	47	0.30
WBNR040020		40 x 20	57	52	0.39
WBNR040025		40 x 25	59	52	0.37
WBNR040032		40 x 32	63	52	0.39
WBNR050025		50 x 25	62	61	0.64
WBNR050032		50 x 32	66	61	0.53
WBNR050040		50 x 40	66	61	0.57

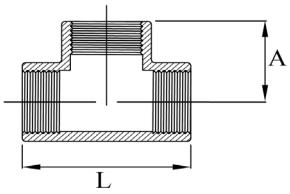


Black Mild Steel Hexagon Pap				
Code	NB (mm)	A	B	Approx Weight
WSBPH/015	15	28.6	16	0.04

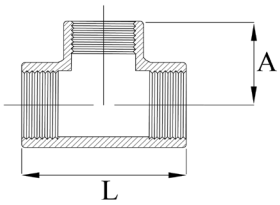
FITTINGS

STEEL FITTINGS

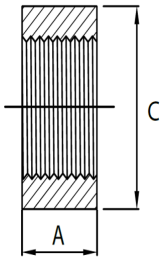
Black & Galvanised Mild Steel Equal Tee					
Code Black	Code Galvanised	NB (mm)	A	L	Approx Weight
WBT006		6	16	32	0.14
WBT008		8	22	44	0.09
WBT010		10	24	48	0.10
WBT015	WGT015	15	32	64	0.20
WBT020	WGT020	20	35	70	0.23
WBT025	WGT025	25	43	86	0.46
WBT032	WGT032	32	51	102	0.71
WBT040	WGT040	40	52	104	0.87
WBT050	WGT050	50	64	128	1.45
WBT065		65	76	152	2.31
WBT080		80	89	178	3.25
WBT100		100	112	233	7.50



Black Mild Steel Reducing Tee				
Code	NB (mm)	A	L	Approx Weight
WBTR020015	20 x 15	35	70	0.30
WBTR032020	32 x 20	51	102	0.60
WBTR040025	40 x 25	52	104	1.00
WBTR050015	50 x 15	64	108	1.55
WBTR050025	50 x 25	64	108	1.45

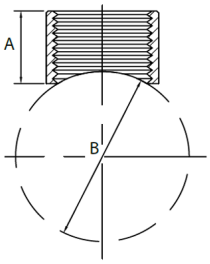


Black Mild Steel Half Socket				
Code	NB (mm)	A	C	Approx Weight
WBSH010	10	12	22	0.02
WBSH015	15	16	27	0.04
WBSH020	20	19	32.5	0.05
WBSH025	25	21	39.5	0.08
WBSH032	32	25	49	0.12
WBSH040	40	25	56	0.16
WBSH050	50	28	68	0.24
WBSH065	65	30	84	0.36



FITTINGS

STEEL FITTINGS

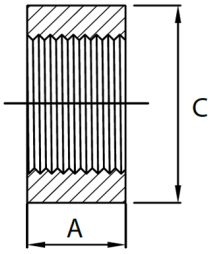


Black Mild Steel Profile Socket				
Code	NB (mm)	A	B	Approx Weight
WBSP025032	25 x 32	33.5	42.4	0.10
WBSP025040	25 x 40	32.5	48.3	0.10
WBSP025050	25 x 50	31.2	60.3	0.10
WBSP025065	25 x 65	30.3	76.0	0.10
WBSP025080	25 x 80	29.8	88.9	0.10
WBSP025100	25 x 100	29.2	114.0	0.10
WBSP025150	25 x 150	28.5	165.1	0.10
WBSP032040	32 x 40	37.0	48.3	0.14
WBSP032050	32 x 50	34.2	60.3	0.14
WBSP032065	32 x 65	32.5	76.0	0.14
WBSP032080	32 x 80	31.6	88.9	0.14
WBSP032100	32 x 100	30.6	114.0	0.14
WBSP032150	32 x 150	30.5	165.1	0.14
WBSP040050	40 x 50	37.6	60.3	0.19
WBSP040065	40 x 65	34.9	76.0	0.19
WBSP040080	40 x 80	33.7	88.9	0.19
WBSP040100	40 x 100	32.2	114.0	0.19
WBSP040150	40 x 150	30.7	165.1	0.19
WBSP050050	50 x 50	48.1	60.3	0.23
WBSP050065	50 x 65	41.1	76.0	0.23
WBSP050080	50 x 80	38.6	88.9	0.23
WBSP050100	50 x 100	36.0	114.0	0.23
WBSP050150	50 x 150	33.5	165.1	0.23
WBSP050080	50 X 80	38.6	88.9	0.23
WBSP050100	50 X 100	36	114	0.23
WBSP050150	50 X 150	33.5	165.1	0.23

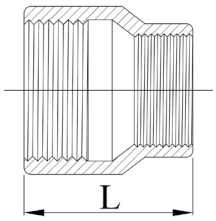
FITTINGS

STEEL FITTINGS

Black & Galvanised Mild Steel Socket					
Code Black	Code Galvanised	NB (mm)	A	C	Approx Weight
WBSF006	WGSF006	6	19	15	0.02
WBSF008	WGSF008	8	19	18.5	0.03
WBSF010	WGSF010	10	28	22	0.04
WBSF015	WGSF015	15	37	27	0.08
WBSF020	WGSF020	20	39	32.5	0.10
WBSF025	WGSF025	25	46	39.5	0.16
WBSF032	WGSF032	32	51	49	0.25
WBSF040	WGSF040	40	51	56	0.32
WBSF050	WGSF050	50	60	68	0.47
WBSF065	WGSF065	65	69	84	0.71
WBSF080	WGSF080	80	75	98	1.02
WBSF100	WGSF100	100	87	124	2.10
WBSF125	WGSF125	125	96	151	2.50
WBSF150	WGSF150	150	96	177	2.84

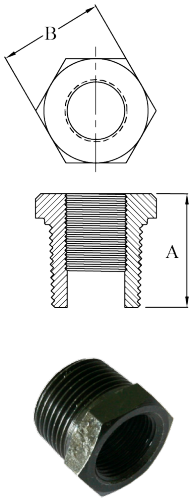


Black Mild Steel Reducing Socket			
Code	NB (mm)	L	Approx Weight
WBSR010008	10 x 8	29	0.04
WBSR015008	15 x 8	49	0.08
WBSR015010	15 x 10	38	0.08
WBSR020010	20 x 10	43	0.13
WBSR020015	20 x 15	41	0.11
WBSR025015	25 x 15	51	0.20
WBSR025020	25 x 20	49	0.19
WBSR032015	32 x 15	59	0.30
WBSR032020	32 x 20	57	0.29
WBSR032025	32 x 25	56	0.27
WBSR040015	40 x 15	65	0.42
WBSR040020	40 x 20	64	0.45
WBSR040025	40 x 25	62	0.45
WBSR040032	40 x 32	60	0.44
WBSR050015	50 x 15	70	0.49
WBSR050020	50 x 20	68	0.50
WBSR050025	50 x 25	67	0.56
WBSR050032	50 x 32	65	0.54
WBSR050040	50 x 40	64	0.55



FITTINGS

STEEL FITTINGS

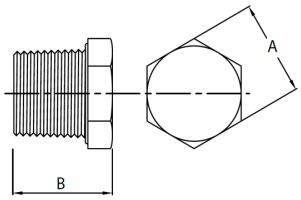


Black & Galvanised Mild Steel Bush					
Code Black	Code Galvanised	NB (mm)	A	B	Approx Weight
WBB008006		8 x 6	12.5	14	0.01
WBB010006		10 x 6	12.5	17	0.02
WBB010008		10 x 8	12.5	17	0.02
WBB015006		15 x 6	17.5	22	0.04
WBB015008		15 x 8	17.5	22	0.05
WBB015010		15 x 10	17.5	22	0.03
WBB020006		20 x 6	19	27	0.08
WBB020008		20 x 8	19	27	0.08
WBB020010		20 x 10	19	27	0.70
WBB020015	WGB020015	20 x 15	19	27	0.05
WBB025008		25 x 8	21	36	0.14
WBB025010		25 x 10	21	36	0.14
WBB025015	WGB025015	25 x 15	21	36	0.13
WBB025020	WGB025020	25 x 20	21	36	0.10
WBB032015		32 x 15	24	46	0.27
WBB032020	WGB032020	32 x 20	24	46	0.24
WBB032025	WGB032025	32 x 25	24	46	0.19
WBB040015	WGB040015	40 x 15	24	50	0.32
WBB040020	WGB040020	40 x 20	24	50	0.31
WBB040025	WGB040025	40 x 25	24	50	0.26
WBB040032		40 x 32	24	50	0.27
WBB050015		50 x 15	27	65	0.59
WBB050020	WGB050020	50 x 20	27	65	0.56
WBB050025		50 x 25	27	65	0.53
WBB050032	WGB050032	50 x 32	27	65	0.46
WBB050040	WGB050040	50 x 40	27	65	0.40
WBB065040		65 x 40	32	78	0.93
WBB065050		65 x 50	32	78	0.68
WBB080050		80 x 50	35	90	1.40
WBB080065		80 x 65	35	90	0.86

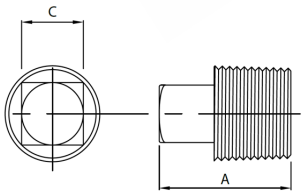
FITTINGS

STEEL FITTINGS

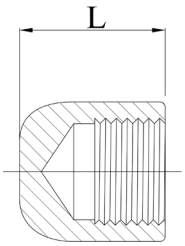
Black Mild Steel Hexagon Head Plug				
Code	NB (mm)	A	B	Approx Weight
WBPH006	6	12	9.5	0.01
WBPH008	8	14	12.5	0.02
WBPH010	10	17	12.5	0.03
WBPH015	15	22	17.5	0.05
WBPH020	20	27	19	0.08
WBPH025	25	36	21	0.12
WBPH032	32	46	24	0.23
WBPH040	40	50	24	0.33
WBPH050	50	65	27	0.60
WBPH080	80	90	35	1.42
WBPH100	100	115	40	2.44



Black Mild Steel Square Head Plug					
Code Black	Code Galvanised	NB (mm)	A	C	Approx Weight
WBPS006		6	12.5	6	0.01
WBPS008		8	15.7	6	0.02
WBPS010		10	20.1	10	0.03
WBPS015	WGP015	15	23.2	10	0.05
WBPS020	WGP020	20	26.5	12	0.08
WBPS025	WGP025	25	28.8	12	0.12
WBPS032	WGP032	32	35.1	16	0.23
WBPS040	WGP040	40	35.1	16	0.33
WBPS050	WGP050	50	42.4	19	0.60
WBPS065		65	45.7	19	1.02
WBPS080		80	51.8	22	1.42



Black & Galvanised Mild Steel Cap				
Code Black	Code Galvanised	NB (mm)	L	Approx Weight
WBC015		15	37	0.10
WBC020	WGC020	20	38	0.15
WBC025	WGC025	25	44	0.26
WBC032		32	51	0.40
WBC040		40	54	0.60
WBC050		50	60	0.95



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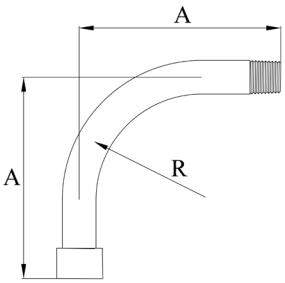
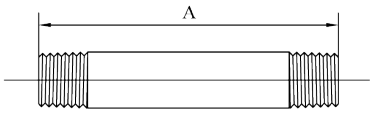
STEEL FITTINGS



Black & Galvanised Mild Steel Male-Female Bend 90°					
Code Black	Code Galvanised	NB (mm)	L	R	Approx Weight
WBLB006	WGLB006	6	51	32	0.04
WBLB008	WGLB008	8	64	41	0.08
WBLB010	WGLB010	10	73	48	0.12
WBLB015	WGLB015	15	86	50	0.19
WBLB020	WGLB020	20	102	60	0.30
WBLB025	WGLB025	25	121	70	0.58
WBLB032	WGLB032	32	146	89	0.88
WBLB040	WGLB040	40	165	105	1.16
WBLB050	WGLB050	50	203	127	1.91
WBLB065	WGLB065	65	248	180	3.28
WBLB080	WGLB080	80	292	205	5.24
WBLB100	WGLB100	100	431	297	10.30
WBLB150		150	622	437	22.00

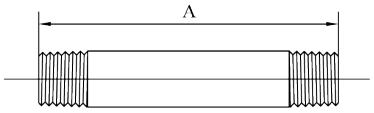


Black & Galvanised Mild Steel Barrel Nipple				
Code Black	Code Galvanised	NB (mm)	A	Approx Weight
	WGBN00630	6	30	0.01
WBBN00640	WGBN00640	6	40	0.01
	WGBN00650	6	50	0.02
WBBN00660	WGBN00660	6	60	0.02
WBBN00670	WGBN00670	6	70	0.03
WBBN00680	WGBN00680	6	80	0.03
WBBN00690	WGBN00690	6	90	0.03
	WGBN00825	8	25	0.01
WBBN00830	WGBN00830	8	30	0.01
WBBN00840	WGBN00840	8	40	0.02
WBBN00850	WGBN00850	8	50	0.03
WBBN00860	WGBN00860	8	60	0.03
WBBN00870	WGBN00870	8	70	0.04
WBBN00880	WGBN00880	8	80	0.05
WBBN00890	WGBN00890	8	90	0.05
WBBN01025		10	25	0.02
WBBN01030	WGBN01030	10	30	0.02
WBBN01040	WGBN01040	10	40	0.03
WBBN01050	WGBN01050	10	50	0.04

FITTINGS

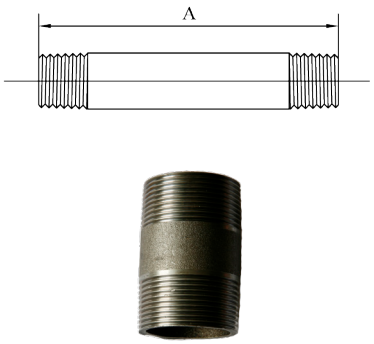
STEEL FITTINGS

Black & Galvanised Mild Steel Barrel Nipple (continued)				
Code Black	Code Galvanised	NB (mm)	A	Approx Weight
WBBN01060	WGBN01060	10	60	0.04
WBBN01070	WGBN01070	10	70	0.05
WBBN01080	WGBN01080	10	80	0.06
WBBN01090	WGBN01090	10	90	0.07
WBBN01540		15	40	0.04
WBBN01550	WGBN01550	15	50	0.05
WBBN01560	WGBN01560	15	60	0.06
WBBN01570	WGBN01570	15	70	0.07
WBBN01580	WGBN01580	15	80	0.09
WBBN01590	WGBN01590	15	90	0.10
WBBN02040		20	40	0.05
WBBN02050	WGBN02050	20	50	0.06
WBBN02060	WGBN02060	20	60	0.08
WBBN02070	WGBN02070	20	70	0.10
WBBN02080	WGBN02080	20	80	0.11
WBBN02090	WGBN02090	20	90	0.13
WBBN02550	WGBN02550	25	50	0.10
WBBN02560	WGBN02560	25	60	0.12
WBBN02570	WGBN02570	25	70	0.15
WBBN02580	WGBN02580	25	80	0.17
WBBN02590	WGBN02590	25	90	0.20
WBBN03250		32	50	0.15
WBBN03260	WGBN03260	32	60	0.15
WBBN03270	WGBN03270	32	70	0.18
WBBN03280	WGBN03280	32	80	0.21
WBBN03290	WGBN03290	32	90	0.24
WBBN04050		40	50	0.13
WBBN04060	WGBN04060	40	60	0.17
WBBN04070	WGBN04070	40	70	0.20
WBBN04080	WGBN04080	40	80	2.84
WBBN04090	WGBN04090	40	90	0.28
WBBN05060	WGBN05060	50	60	0.22
WBBN05070	WGBN05070	50	70	0.28
WBBN05080	WGBN05080	50	80	0.33
WBBN05090	WGBN05090	50	90	0.38
	WGBN06570	65	70	0.32
WBBN06580	WGBN06580	65	80	0.39
WBBN06590	WGBN06590	65	90	0.45

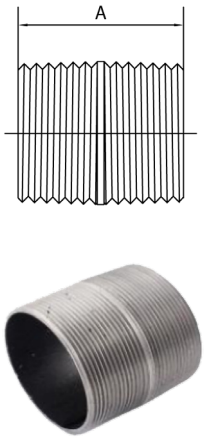


FITTINGS

STEEL FITTINGS



Black & Galvanised Mild Steel Barrel Nipple (continued)				
Code Black	Code Galvanised	NB (mm)	A	Approx Weight
WBBN08050		80	50	0.24
WBBN08060		80	60	0.32
WBBN08070		80	70	0.72
WBBN08080	WGBN08080	80	80	0.49
WBBN08090	WGBN08090	80	90	0.58
WBBN10075		100	75	0.92
WBBN10080	WGBN10080	100	80	0.98
WBBN10090	WGBN10090	100	90	0.80

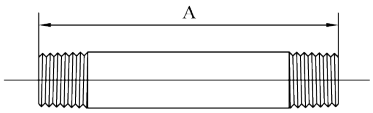


Black Mild Steel Close Nipple				
Code Black	Code Galvanised	NB (mm)	A	Approx Weight
	WGBN006CT	6	23	0.01
WBBN008CT	WGBN008CT	8	27	0.01
WBBN010CT		10	28	0.02
WBBN015CT	WGBN015CT	15	37	0.03
WBBN020CT	WGBN020CT	20	40	0.04
WBBN025CT	WGBN025CT	25	46	0.08
WBBN032CT	WGBN032CT	32	51	0.11
WBBN040CT	WGBN040CT	40	51	0.13
WBBN050CT	WGBN050CT	50	60	0.22
WBBN065CT	WGBN065CT	65	69	0.30
WBBN080CT	WGBN080CT	80	75	0.42
WBBN100CT	WGBN100CT	100	75	0.73

FITTINGS

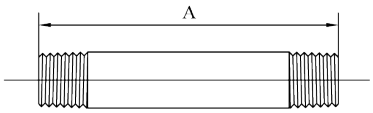
STEEL FITTINGS

Black & Galvanised Mild Steel Barrel Piece				
Code Black	Code Galvanised	Metric Size	A	Approx Weight
	WGBP006100	6	100	0.04
WBBP006130		6	130	0.05
WBBP006150	WGBP006150	6	150	0.05
WBBP008100	WGBP008100	8	100	0.06
	WGBP008120	8	120	0.07
WBBP008130	WGBP008130	8	130	0.08
WBBP008150	WGBP008150	8	150	0.09
WBBP010100	WGBP010100	10	100	0.08
	WGBP010120	10	120	0.09
WBBP010130	WGBP010130	10	130	0.10
WBBP010150	WGBP010150	10	150	0.12
	WGBP010200	10	200	0.16
	WGBP010250	10	250	0.20
	WGBP010300	10	300	0.25
WBBP015100	WGBP015100	15	100	0.11
WBBP015110	WGBP015110	15	110	0.12
WBBP015120	WGBP015120	15	120	0.13
WBBP015130	WGBP015130	15	130	0.15
WBBP015140		15	140	0.16
WBBP015150	WGBP015150	15	150	0.17
WBBP015200	WGBP015200	15	200	0.23
WBBP015250	WGBP015250	15	250	0.29
WBBP015300	WGBP015300	15	300	0.35
WBBP015400	WGBP015400	15	400	0.48
WBBP015450	WGBP015450	15	450	0.54
WBBP015500	WGBP015500	15	500	0.60
WBBP015600	WGBP015600	15	600	0.72
	WGBP015900	15	900	1.09
WBBP020100	WGBP020100	20	100	0.14
WBBP020110		20	110	0.16
WBBP020120		20	120	0.17
WBBP020130	WGBP020130	20	130	0.19
WBBP020140		20	140	0.21
WBBP020150	WGBP020150	20	150	0.22
WBBP020200	WGBP020200	20	200	0.30
WBBP020250	WGBP020250	20	250	0.38
WBBP020300	WGBP020300	20	300	0.46



FITTINGS

STEEL FITTINGS

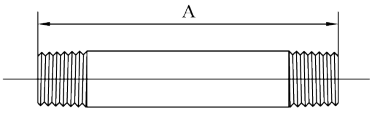


Black & Galvanised Mild Steel Barrel Piece (continued)				
Code Black	Code Galvanised	Metric Size	A	Approx Weight
WBBP020400	WGBP020400	20	400	0.62
WBBP020450	WGBP020450	20	450	0.70
WBBP020500	WGBP020500	20	500	0.78
WBBP020600	WGBP020600	20	600	0.93
	WGBP020900	20	900	1.41
WBBP025100	WGBP025100	25	100	0.22
WBBP025110	WGBP025110	25	110	0.24
WBBP025120	WGBP025120	25	120	0.27
WBBP025130	WGBP025130	25	130	0.29
WBBP025140		25	140	0.32
WBBP025150	WGBP025150	25	150	0.34
WBBP025200	WGBP025200	25	200	0.46
WBBP025250	WGBP025250	25	250	0.59
WBBP025300	WGBP025300	25	300	0.71
WBBP025400	WGBP025400	25	400	0.95
WBBP025450	WGBP025450	25	450	1.07
WBBP025500	WGBP025500	25	500	1.20
WBBP025600	WGBP025600	25	600	1.44
	WGBP025800	25	800	1.93
	WGBP0251000	25	1000	2.50
WBBP032100	WGBP032100	32	100	0.27
WBBP032120	WGBP032120	32	120	0.34
WBBP032130	WGBP032130	32	130	0.37
WBBP032150	WGBP032150	32	150	0.43
WBBP032200	WGBP032200	32	200	0.59
WBBP032250	WGBP032250	32	250	0.75
WBBP032300	WGBP032300	32	300	0.90
WBBP032400	WGBP032400	32	400	1.22
WBBP032450	WGBP032450	32	450	1.37
WBBP032500	WGBP032500	32	500	1.53
WBBP032600	WGBP032600	32	600	1.84
	WGBP0322000	32	2000	6.40
WBBP040100	WGBP040100	40	100	0.31
WBBP040110	WGBP040110	40	110	0.35
WBBP040120	WGBP040120	40	120	0.38
WBBP040130	WGBP040130	40	130	0.42
WBBP040140	WGBP040140	40	140	0.46

FITTINGS

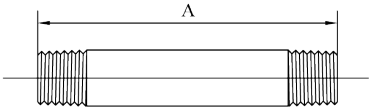
STEEL FITTINGS

Black & Galvanised Mild Steel Barrel Piece (continued)				
Code Black	Code Galvanised	Metric Size	A	Approx Weight
WBBP040150	WGBP040150	40	150	0.49
WBBP040200	WGBP040200	40	200	0.67
WBBP040250	WGBP040250	40	250	0.85
WBBP040300	WGBP040300	40	300	1.03
WBBP040400	WGBP040400	40	400	1.39
WBBP040450	WGBP040450	40	450	1.57
WBBP040500	WGBP040500	40	500	1.76
WBBP040600	WGBP040600	40	600	2.12
	WGBP0402100	40	2100	7.53
WBBP050100	WGBP050100	50	100	0.43
WBBP050110	WGBP050110	50	110	0.48
WBBP050120	WGBP050120	50	120	0.53
WBBP050130	WGBP050130	50	130	0.58
WBBP050150	WGBP050150	50	150	0.68
WBBP050200	WGBP050200	50	200	0.94
WBBP050250	WGBP050250	50	250	1.19
WBBP050300	WGBP050300	50	300	1.45
WBBP050400	WGBP050400	50	400	1.97
WBBP050450	WGBP050450	50	450	2.21
WBBP050500	WGBP050500	50	500	2.47
WBBP050600	WGBP050600	50	600	2.98
	WGBP0501000	50	1000	5.02
	WGBP0501200	50	1200	6.03
WBBP065100	WGBP065100	65	100	0.52
WBBP065130	WGBP065130	65	130	0.82
WBBP065150	WGBP065150	65	150	0.84
WBBP065200	WGBP065200	65	200	1.17
WBBP065250	WGBP065250	65	250	1.50
WBBP065300	WGBP065300	65	300	1.82
WBBP065400	WGBP065400	65	400	2.43
WBBP065450	WGBP065450	65	450	2.76
WBBP065500	WGBP065500	65	500	3.12
WBBP065600	WGBP065600	65	600	3.77
WBBP080100	WGBP080100	80	100	0.78
WBBP080130	WGBP080130	80	130	0.92
WBBP080150	WGBP080150	80	150	1.09
WBBP080200	WGBP080200	80	200	1.51



FITTINGS

STEEL FITTINGS

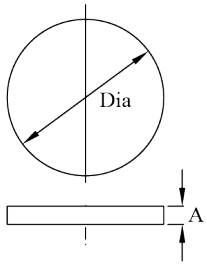


Black & Galvanised Mild Steel Barrel Piece (continued)				
Code Black	Code Galvanised	Metric Size	A	Approx Weight
WBBP080250	WGBP080250	80	250	1.93
WBBP080300	WGBP080300	80	300	2.36
WBBP080400	WGBP080400	80	400	3.20
WBBP080450	WGBP080450	80	450	3.63
	WGBP080465	80	465	3.75
WBBP080500	WGBP080500	80	500	4.05
WBBP080600	WGBP080600	80	600	4.90
	WGBP080720	80	720	5.91
WBBP100100	WGBP100100	100	100	0.92
WBBP100130	WGBP100130	100	130	1.28
WBBP100150	WGBP100150	100	150	1.52
WBBP100200	WGBP100200	100	200	2.13
WBBP100250	WGBP100250	100	250	2.73
WBBP100300	WGBP100300	100	300	3.34
WBBP100400	WGBP100400	100	400	4.55
WBBP100450	WGBP100450	100	450	5.10
	WGBP100465	100	465	5.34
WBBP100500	WGBP100500	100	500	5.76
WBBP100600	WGBP100600	100	600	6.97
	WGBP100720	100	720	8.68
	WGBP1001000	100	1000	11.50
WBBP125200		125	200	3.58
	WGBP125400	125	400	7.10
	WGBP125465	125	465	7.85
	WGBP125500	125	500	8.45
	WGBP125600	125	600	9.31
	WGBP125720	125	720	11.24
	WGBP1251000	125	1000	16.76
WBBP150150	WGBP150150	150	150	2.35
	WGBP150465	150	465	9.30
	WGBP150720	150	720	19.74

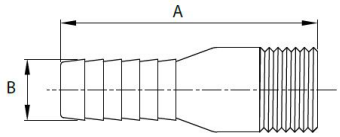
FITTINGS

STEEL FITTINGS

Black Mild Steel Blank End				
Code	NB (mm)	Dia	A	Approx Weight
WBBE025	25	31	3.0	0.02
WBBE032	32	37	3.0	0.03
WBBE040	40	45	3.0	0.04
WBBE050	50	57	3.0	0.06
WBBE065	65	73	3.0	0.10
WBBE080	80	87	3.0	0.14
WBBE100	100	112	3.0	0.23
WBBE150	150	163	3.0	0.49



Galvanised Mild Steel Hose Tail				
Code	NB (mm)	A	B	Approx Weight
WGHT015	15	79.5	13.5	0.08
WGHT020	20	81.0	19.8	0.09
WGHT025	25	89.0	26.2	0.15
WGHT032	32	95.0	32.5	0.25
WGHT040	40	112.5	38.6	0.32
WGHT050	50	124.0	51.3	0.39
WGHT065	65	131.0	63.5	0.71
WGHT080	80	163.0	80.0	1.36
WGHT100	100	174.0	102.5	2.05
WGHT150	150	182.0	155.0	2.61



FITTINGS

FLANGES

SPECIFICATIONS

ANSI B16.5 – Pipe Flanges and Flanged Fittings (American)
AS2129 – Flanges for Pipes, Valves and Fittings (Australian)
BS4504 – Circular Flanges for Pipe, Valves and Fittings (PN designated) – (now BS EN1092) (European)
AS4087 – Metallic Flanges for Waterworks Purposes (Australian)
BS10 – Specification for Flanges and bolting for Pipes, Valves and Fittings (British)

**AS2129 is a replica of BS10 but is stated in mm rather than inches. In some sizes bolt holes are slightly larger to give better clearance

APPLICATION

Water Supply, Oil, Gas, Petrochemical, Irrigation, Fire Services, General Industry, Construction.

MARKING

All Flanges when possible will display a heat number, size, table, grade and dimensional standard.

PLATE STEEL FLANGES

Plate flanges are mainly used for light duty, lower pressure or non-critical applications, commonly referring to AS2129, BS10 or AS4087 standards. The manufacturing method involves cutting and machining from plate steel.

FORGED STEEL FLANGES

Forged Steel flanges are commonly used and specified in the Oil, Gas, Petrochemical and mining sectors, where pressure, temperature and safety considerations often specify the ANSI B16.5, ASME B16.47 or BS4504 standards. The manufacturing method involves the hot forging of suitable steels prior to final machining.

MATERIALS

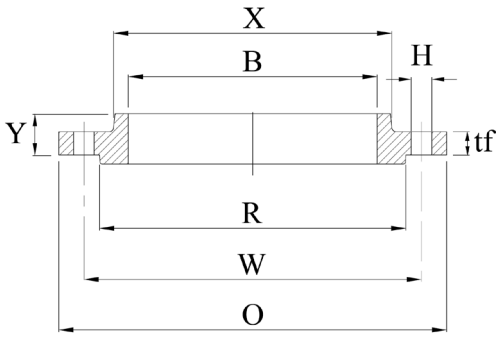
Mild Carbon Steel, ASTM A105, BS4504 (DIN) flanges from PN6 TO PN40.

Asmuss can also offer a wide range of products on request.

FITTINGS

FLANGES

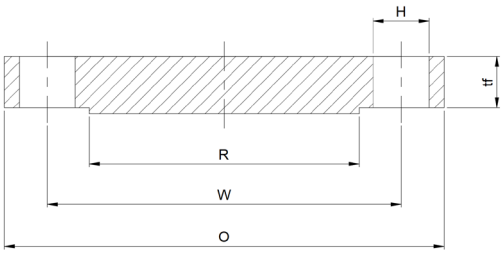
ANSI CL150 RF Slip On Flange B16.5 A105N (to suit Schedule STD pipe)												
Code	Pipe Dimensions		Flange Dimensions				Hub	Raised Face	Number Holes	Drilling Template		Approx Weight
	NB	OD	O	B	tf	Y	X	R	N	H	W	
FL150SO015S	15	21.3	90	22.2	9.6	14	30	34.9	4	15.9	60.3	0.44
FL150SO020S	20	26.7	100	27.7	11.2	14	38	42.9	4	15.9	69.9	0.63
FL150SO025S	25	33.4	110	34.5	12.7	16	49	50.8	4	15.9	79.4	0.78
FL150SO032S	32	42.2	115	43.2	14.3	19	59	63.5	4	15.9	88.9	1.03
FL150SO040S	40	48.3	125	49.5	15.9	21	65	73.0	4	15.9	98.4	1.42
FL150SO050S	50	60.3	150	61.9	17.5	24	78	92.1	4	19.1	120.7	2.06
FL150SO065S	65	73.0	180	74.6	20.7	27	90	104.8	4	19.1	139.7	3.28
FL150SO080S	80	88.9	190	90.7	22.3	29	108	127.0	4	19.1	152.4	3.85
FL150SO100S	100	114.3	230	116.1	22.3	32	135	157.2	8	19.1	190.5	5.3
FL150SO125S	125	141.3	255	143.8	22.3	35	164	185.7	8	22.2	215.9	6.07
FL150SO150S	150	168.3	280	170.7	23.9	38	192	215.9	8	22.2	241.3	7.45
FL150SO200S	200	219.1	345	221.5	27.0	43	246	269.9	8	22.2	298.5	12.1
FL150SO250S	250	273.0	405	276.2	28.6	48	305	323.8	12	25.4	362	16.5
FL150SO300S	300	323.8	485	327.0	30.2	54	365	381.0	12	25.4	431.8	26.2
FL150SO350S	350	355.6	535	359.2	33.4	56	400	412.8	12	28.6	476.3	34.6
FL150SO400S	400	406.4	595	410.5	35.0	62	457	469.9	16	28.6	539.8	44.8
FL150SO450S	450	457.2	635	461.8	38.1	67	505	533.4	16	31.8	577.9	52
FL150SO500S	500	508.0	700	513.1	41.3	71	559	584.2	20	31.8	635	61.9
FL150SO600S	600	609.6	815	616.0	46.1	81	663	692.2	20	35.0	749.3	86.9



FITTINGS

FLANGES

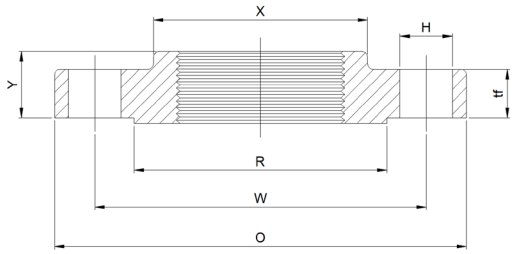
ANSI CL150 Blind Flange B16.5 A105N									
Code	Pipe Dimensions		Flange Dimensions		Raised Face	Number Holes	Drilling Template		Approx Weight
	NB	OD	O	tf	R	N	H	W	
FL150BL015S	15	21.3	90	9.6	34.9	4	15.9	60.3	0.42
FL150BL020S	20	26.7	100	11.2	42.9	4	15.9	69.9	0.61
FL150BL025S	25	33.4	110	12.7	50.8	4	15.9	79.4	0.86
FL150BL032S	32	42.2	115	14.3	63.5	4	15.9	88.9	1.17
FL150BL040S	40	48.3	125	15.9	73.0	4	15.9	98.4	1.53
FL150BL050S	50	60.3	150	17.5	92.1	4	19.1	120.7	2.42
FL150BL065S	65	73.0	180	20.7	104.8	4	19.1	139.7	3.94
FL150BL080S	80	88.9	190	22.3	127.0	4	19.1	152.4	4.93
FL150BL100S	100	114.3	230	22.3	157.2	8	19.1	190.5	7.00
FL150BL125S	125	141.3	255	22.3	185.7	8	22.2	215.9	8.63
FL150BL150S	150	168.3	280	23.9	215.9	8	22.2	241.3	11.30
FL150BL200S	200	219.1	345	27.0	269.9	8	22.2	298.5	19.60
FL150BL250S	250	273.0	405	28.6	323.8	12	25.4	362.0	28.80
FL150BL300S	300	323.8	485	30.2	381.0	12	25.4	431.8	43.20
FL150BL350S	350	355.6	535	33.4	412.8	12	28.6	476.3	58.10
FL150BL400S	400	406.4	595	35.0	469.9	16	28.6	539.8	76.00
FL150BL450S	450	457.2	635	38.1	533.4	16	31.8	577.9	93.70
FL150BL500S	500	508.0	700	41.3	584.2	20	31.8	635.0	122.00
FL150BL600S	600	609.6	815	46.1	692.2	20	35.0	749.3	185.00



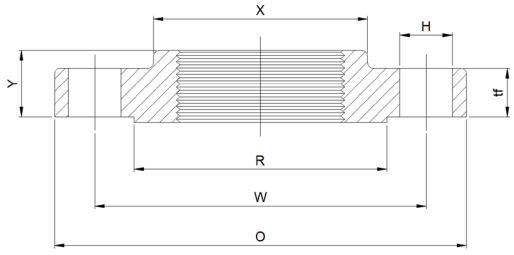
FITTINGS

FLANGES

ANSI CL150 RF BSP Screwed Flange B16.5 A105N											
Code	Pipe Dimensions		Flange Dimensions			Hub	Raised Face	Number Holes	Drilling Template		Approx Weight
	NB	OD	O	tf	Y	X	R	N	H	W	
FLSC150015S	15	21.3	90	9.6	14	30	34.9	4	15.9	60.3	0.45
FLSC150020S	20	26.7	100	11.2	14	38	42.9	4	15.9	69.9	0.68
FLSC150025S	25	33.4	110	12.7	16	49	50.8	4	15.9	79.4	0.89
FLSC150032S	32	42.2	115	14.3	19	59	63.5	4	15.9	88.9	1.13
FLSC150040S	40	48.3	125	15.9	21	65	73.0	4	15.9	98.4	1.36
FLSC150050S	50	60.3	150	17.5	24	78	92.1	4	19.1	120.7	2.26



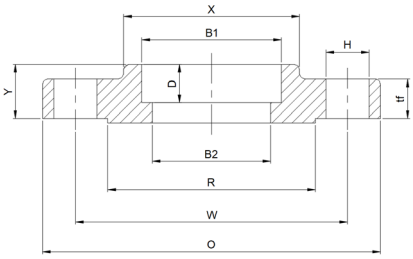
ANSI CL150 RF BSP Screwed Flange Galvanized B16.5 A105N											
Code	Pipe Dimensions		Flange Dimensions			Hub	Raised Face	Number Holes	Drilling Template		Approx Weight
	NB	OD	O	tf	Y	X	R	N	H	W	
FLSC150G015S	15	21.3	90	9.6	14	30	34.9	4	15.9	60.3	0.45
FLSC150G020S	20	26.7	100	11.2	14	38	42.9	4	15.9	69.9	0.68
FLSC150G025S	25	33.4	110	12.7	16	49	50.8	4	15.9	79.4	0.89
FLSC150G032S	32	42.2	115	14.3	19	59	63.5	4	15.9	88.9	1.13
FLSC150G040S	40	48.3	125	15.9	21	65	73.0	4	15.9	98.4	1.36
FLSC150G050S	50	60.3	150	17.5	24	78	92.1	4	19.1	120.7	2.26



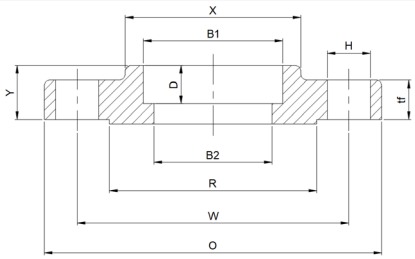
FITTINGS

FLANGES

ANSI CL150 RF Socket Weld Flange B16.5 A105N (to suit Schedule STD pipe)														
Code	Pipe Dimensions		Flange Dimensions						Hub	Raised Face	Number Holes	Drilling Template		Approx Weight
	NB	OD	O	B1	B2	tf	D	Y	X	R	N	H	W	
FL150SW020S	20	26.7	100	27.7	20.9	11.2	11	14	38	42.9	4	15.9	69.9	0.71
FL150SW025S	25	33.4	110	34.5	26.6	12.7	13	16	49	50.8	4	15.9	79.4	0.81
FL150SW040S	40	48.3	125	49.5	40.9	15.9	16	21	65	73.0	4	15.9	98.4	1.36
FL150SW050S	50	60.6	150	61.9	52.5	17.5	17	24	78	92.1	4	19.1	120.7	2.10



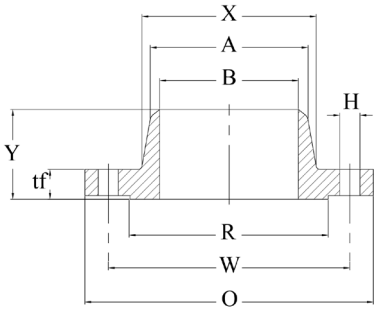
ANSI CL150 RF Socket Weld Flange B16.5 A105N (to suit Scheduke XS pipe)														
Code	Pipe Dimensions		Flange Dimensions						Hub	Raised Face	Number Holes	Drilling Template		Approx Weight
	NB	OD	O	B1	B2	tf	D	Y	X	R	N	H	W	
FL150SWX015S	15	21.3	90	22.2	13.8	9.6	10	14	30	34.9	4	15.9	60.3	0.42
FL150SWX020S	20	26.7	100	27.7	18.9	11.2	11	14	38	42.9	4	15.9	69.9	0.59
FL150SWX025S	25	33.4	110	34.5	24.2	12.7	13	16	49	50.8	4	15.9	79.4	0.81
FL150SWX032S	32	42.2	115	43.2	32.5	14.3	14	19	59	63.5	4	15.9	88.9	1.07
FL150SWX040S	40	48.3	125	49.5	38.2	15.9	16	21	65	73.0	4	15.9	98.4	1.36
FL150SWX050S	50	60.6	150	61.9	49.3	17.5	17	24	78	92.1	4	19.1	120.7	2.10



FITTINGS

FLANGES

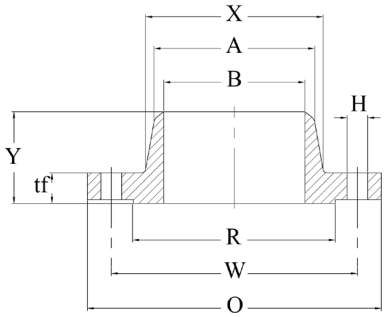
ANSI CL150 RF Weld Neck Flange B16.5 A105N (to suit Schedule STD pipe)													
Code	Pipe Dimensions		Flange Dimensions				Hub		Raised Face	Number Holes	Drilling Template		Approx Weight
	NB	OD	O	B	tf	Y	A	X	R	N	H	W	
FL150WN015S	15	21.3	90	15.8	9.6	46	21.3	30	34.9	4	15.9	60.3	0.48
FL150WN020S	20	26.7	100	20.9	11.2	51	26.7	38	42.9	4	15.9	69.9	0.71
FL150WN025S	25	33.4	110	26.6	12.7	54	33.4	49	50.8	4	15.9	79.4	1.01
FL150WN032S	32	42.4	115	35.1	14.3	56	42.2	59	63.5	4	15.9	88.9	1.33
FL150WN040S	40	48.3	125	40.9	15.9	60	48.3	65	73.0	4	15.9	98.4	1.72
FL150WN050S	50	60.3	150	52.5	17.5	62	60.3	78	92.1	4	19.1	120.7	2.58
FL150WN065S	65	73.0	180	62.7	20.7	68	73.0	90	104.8	4	19.1	139.7	4.11
FL150WN080S	80	88.9	190	77.9	22.3	68	88.9	108	127.0	4	19.1	152.4	4.92
FL150WN100S	100	114.3	230	102.3	22.3	75	114.3	135	157.2	8	19.1	190.5	6.84
FL150WN125S	125	141.3	255	128.2	22.3	87	141.3	164	185.7	8	22.2	215.9	8.56
FL150WN150S	150	168.3	280	154.1	23.9	87	168.3	192	215.9	8	22.2	241.3	10.60
FL150WN200S	200	219.1	345	202.7	27.0	100	219.1	246	269.9	8	22.2	298.5	17.60
FL150WN250S	250	273.0	405	254.6	28.6	100	273.0	305	323.8	12	25.4	362.0	24.00
FL150WN300S	300	323.8	485	304.8	30.2	113	323.8	365	381.0	12	25.4	431.8	36.50
FL150WN350S	350	355.6	535		33.4	125	355.6	400	412.8	12	28.6	476.3	48.40
FL150WN400S	400	406.4	595		35.0	125	406.4	457	469.9	16	28.6	539.8	60.60
FL150WN450S	450	457.2	635		38.1	138	457.0	505	533.4	16	31.8	577.9	68.30
FL150WN500S	500	508.0	700		41.3	143	508.0	559	584.2	20	31.8	635.0	84.50
FL150WN600S	600	609.6	815		46.1	151	610.0	663	692.2	20	35.0	749.3	115.00

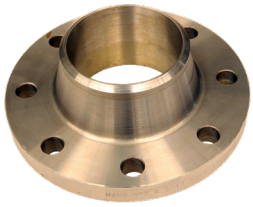


FITTINGS

FLANGES

ANSI CL150 RF Weld Neck Flange B16.5 A105N (to suit Schedule XS pipe)													
Code	Pipe Dimensions		Flange Dimensions				Hub		Raised Face	Number Holes	Drilling Template		Approx Weight
	NB	OD	O	B	tf	Y	A	X	R	N	H	W	
FL150WNX020S	20	26.7	100	18.9	11.2	51	26.7	38	42.9	4	15.9	69.9	0.87
FL150WNX025S	25	33.4	110	24.2	12.7	54	33.4	49	50.8	4	15.9	79.4	1.01
FL150WNX032S	32	42.4	115	32.5	14.3	56	42.2	59	63.5	4	15.9	88.9	1.33
FL150WNX040S	40	48.3	125	38.2	15.9	60	48.3	65	73.0	4	15.9	98.4	1.72
FL150WNX050S	50	60.3	150	49.3	17.5	62	60.3	78	92.1	4	19.1	120.7	2.58
FL150WNX065S	65	73.0	180	59	20.7	68	73.0	90	104.8	4	19.1	139.7	4.11
FL150WNX080S	80	88.9	190	73.7	22.3	68	88.9	108	127.0	4	19.1	152.4	4.92
FL150WNX100S	100	114.3	230	97.2	22.3	75	114.3	135	157.2	8	19.1	190.5	6.84
FL150WNX150S	150	168.3	280	146.4	23.9	87	168.3	192	215.9	8	22.2	241.3	10.60
FL150WNX200S	200	219.1	345	193.7	27.0	100	219.1	246	269.9	8	22.2	298.5	17.60
FL150WNX250S	250	273.0	405	247.7	28.6	100	273.0	305	323.8	12	25.4	362.0	24.00
FL150WNX300S	300	323.8	485	298.5	30.2	113	323.8	365	381.0	12	25.4	431.8	36.50

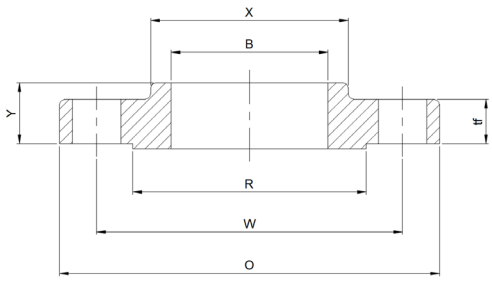




FITTINGS

FLANGES

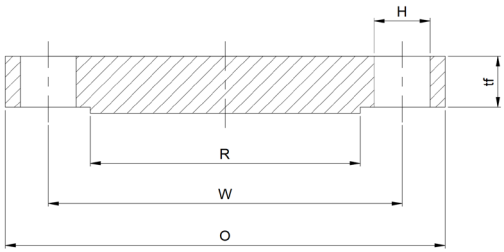
ANSI CL300 RF Slip On Flange B16.5 A105N (to suit Schedule STD pipe)												
Code	Pipe Dimensions		Flange Dimensions				Hub	Raised Face	Number Holes	Drilling Template		Approx Weight
	NB	OD	O	B	tf	Y	X	R	N	H	W	
FL300SO015S	15	21.3	95	22.2	12.7	21	38	34.9	4	15.9	66.7	0.64
FL300SO020S	20	26.7	115	27.7	14.3	24	48	42.9	4	19.1	82.6	1.12
FL300SO025S	25	33.4	125	34.5	15.9	25	54	50.8	4	19.1	88.9	1.36
FL300SO032S	32	42.2	135	43.2	17.5	25	64	63.5	4	19.1	98.4	1.68
FL300SO040S	40	48.3	155	49.5	19.1	29	70	73.0	4	22.2	114.3	2.49
FL300SO050S	50	60.3	165	61.9	20.7	32	84	92.1	8	19.1	127.0	2.87
FL300SO065S	65	73.0	190	74.6	23.9	37	100	104.8	8	22.2	149.2	4.32
FL300SO080S	80	88.9	210	90.7	27.0	41	117	127.0	8	22.2	168.3	5.85
FL300SO100S	100	114.3	255	116.1	30.2	46	146	157.2	8	22.2	200.0	9.61
FL300SO125S	125	141.3	280	143.8	33.4	49	178	185.7	8	22.2	235.0	12.30
FL300SO150S	150	168.3	320	170.7	35.0	51	206	215.9	12	22.2	269.9	15.60
FL300SO200S	200	219.1	380	221.5	39.7	60	260	269.9	12	25.4	330.2	24.20
FL300SO250S	250	273.0	445	276.2	46.1	65	321	323.8	16	28.6	387.4	34.10
FL300SO300S	300	323.8	520	372.0	49.3	71	375	381.0	16	31.8	450.8	49.80



FITTINGS

FLANGES

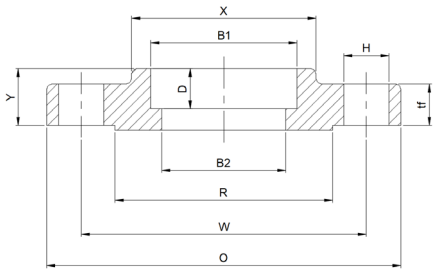
ANSI CL300 Blind Flange B16.5 A105N									
Code	Pipe Dimensions		Flange Dimensions		Raised Face	Number Holes	Drilling Template		Approx Weight
	NB	OD	O	tf	R	N	H	W	
FL300BL015S	15	21.3	95	12.7	34.9	4	15.9	66.7	0.64
FL300BL020S	20	26.7	115	14.3	42.9	4	19.1	82.6	1.11
FL300BL025S	25	33.4	125	15.9	50.8	4	19.1	88.9	1.39
FL300BL032S	32	42.2	135	17.5	63.5	4	19.1	98.4	1.79
FL300BL040S	40	48.3	155	19.1	73.0	4	22.2	114.3	2.66
FL300BL050S	50	60.3	165	20.7	92.1	8	19.1	127.0	3.18
FL300BL065S	65	73.0	190	23.9	104.8	8	22.2	149.2	4.85
FL300BL080S	80	88.9	210	27.0	127.0	8	22.2	168.3	6.81
FL300BL100S	100	114.3	255	30.2	157.2	8	22.2	200.0	11.50
FL300BL125S	125	141.3	280	33.4	185.7	8	22.2	235.0	15.60
FL300BL150S	150	168.3	320	35.0	215.9	12	22.2	269.9	20.90
FL300BL200S	200	219.1	380	39.7	269.9	12	25.4	330.2	34.30
FL300BL250S	250	273.0	445	46.1	323.8	16	28.6	387.4	54.98
FL300BL300S	300	323.8	520	49.3	381.0	16	31.8	450.8	78.80
FL300BL350S	350	355.6	585	52.4	412.8	20	31.8	514.4	113.60
FL300BL400S	400	406.4	650	55.6	469.9	20	34.9	571.5	137.00
FL300BL450S	450	457.2	710	58.8	533.4	24	34.9	628.6	179.50
FL300BL500S	500	508.0	775	62	584.2	24	34.9	685.8	229.50
FL300BL600S	600	609.6	915	68.3	692.2	24	41.3	812.8	359.10



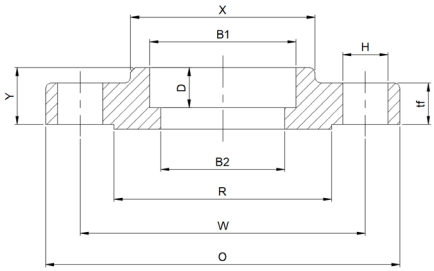
FITTINGS

FLANGES

ANSI CL300 RF Socket Weld Flange B16.5 A105N (to suit Schedule STD pipe)														
Code	Pipe Dimensions		Flange Dimensions						Hub	Raised Face	Number Holes	Drilling Template		Approx Weight
	NB	OD	O	B1	B2	D	tf	Y	X	R	N	H	W	
FL300SW025S	25	33.4	125	34.5	26.6	13	15.9	25	54	50.8	4	19.1	88.9	1.40
FL300SW032S	32	42.2	135	43.2	35.1	14	17.5	25	64	63.5	4	19.1	98.4	1.75
FL300SW050S	50	60.3	165	61.9	52.5	17	20.7	32	84	92.1	8	19.1	127.0	3.07



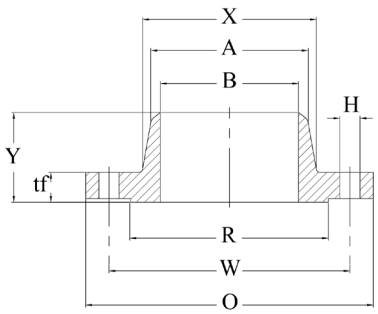
ANSI CL300 RF Socket Weld Flange B16.5 A105N (to suit Schedule XS pipe)														
Code	Pipe Dimensions		Flange Dimensions						Hub	Raised Face	Number Holes	Drilling Template		Approx Weight
	NB	OD	O	B1	B2	D	tf	Y	X	R	N	H	W	
FL300SWX015S	15	21.3	95	22.2	13.8	10	12.7	21	38	34.9	4	15.9	66.7	0.73
FL300SWX020S	20	26.7	115	27.7	18.9	11	14.3	24	48	42.9	4	19.1	82.6	1.13
FL300SWX025S	25	33.4	125	34.5	24.2	13	15.9	25	54	50.8	4	19.1	88.9	1.40
FL300SWX032S	32	42.2	135	43.2	32.5	14	17.5	25	64	63.5	4	19.1	98.4	1.75
FL300SWX040S	40	48.3	155	49.5	38.2	16	19.1	29	70	73.0	4	22.2	114.3	2.55
FL300SWX050S	50	60.3	165	61.9	49.3	17	20.7	32	84	92.1	8	19.1	127.0	3.13



FITTINGS

FLANGES

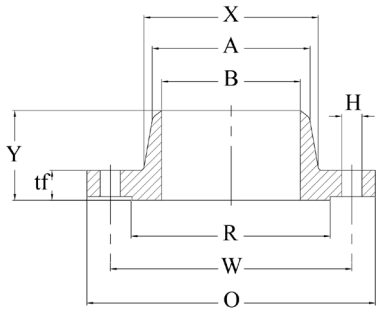
ANSI CL300 RF Weld Neck Flange B16.5 A105N (to suit Schedule STD pipe)													
Code	Pipe Dimensions		Flange Dimensions				Neck		Raised Face	Number Holes	Drilling Template		Approx Weight
	NB	OD	O	B	tf	Y	A	X	R	N	H	W	
FL300WN025S	25	33.4	125	26.6	15.9	60	33.4	54	50.8	4	19.1	88.9	1.52
FL300WN032S	32	42.2	135	35.1	17.5	64	42.2	64	63.5	4	19	98.4	2.03
FL300WN040S	40	48.3	155	40.9	19.1	67	48.3	70	73.0	4	22.2	114.3	2.89
FL300WN050S	50	60.3	165	52.5	20.7	68	60.3	84	92.1	8	19.1	127.0	3.40
FL300WN065S	65	73.0	190	62.7	23.9	75	73.0	100	104.8	8	22.2	149.2	5.20
FL300WN080S	80	88.9	210	77.9	27.0	78	88.9	117	127.0	8	22.2	168.3	6.93
FL300WN100S	100	114.3	255	102.3	30.2	84	114.3	146	157.2	8	22.2	200.0	11.20
FL300WN150S	150	168.3	320	154.1	35.0	97	168.3	206	215.9	12	22.2	269.9	19.10
FL300WN200S	200	219.1	380	202.7	39.7	110	219.1	260	269.9	12	25.4	330.2	29.90
FL300WN250S	250	273.0	445	254.6	46.1	116	273.0	321	323.8	16	28.6	387.4	42.70
FL300WN300S	300	323.8	520	304.8	49.3	129	323.8	375	381.0	16	31.8	450.8	61.80
FL300WN350S	350	355.6	585		52.4	141	355.6	425	412.8	20	31.8	514.4	85.80



FITTINGS

FLANGES

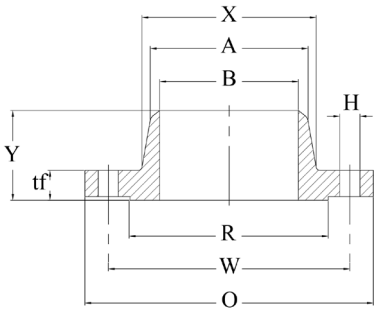
ANSI CL300 RF WELD Neck Flange B16.5 A105N (to suit Schedule XS pipe)													
Code	Pipe Dimensions		Flange Dimensions				Neck		Raised Face	Number Holes	Drilling Template		Approx Weight
	NB	OD	O	B	tf	Y	A	X	R	N	H	W	
FL300WNX015S	15	21.3	95	13.8	12.7	51	21.3	38	34.9	4	15.9	66.7	0.64
FL300WNX020S	20	26.7	115	18.9	14.3	56	26.7	48	42.9	4	19.1	82.6	1.12
FL300WNX025S	25	33.4	125	24.2	15.9	60	33.4	54	50.8	4	19.1	88.9	1.36
FL300WNX032S	32	42.2	135	32.5	17.5	64	42.2	64	63.5	4	19.1	98.4	1.68
FL300WNX040S	40	48.3	155	38.2	19.1	67	48.3	70	73.0	4	22.2	114.3	2.49
FL300WNX050S	50	60.3	165	49.3	20.7	68	60.3	84	92.1	8	19.1	127.0	2.87
FL300WNX065S	65	73.0	190	59.0	23.9	75	73.0	100	104.8	8	22.2	149.2	4.32
FL300WNX080S	80	88.9	210	73.7	27.0	78	88.9	117	127.0	8	22.2	168.3	5.85
FL300WNX100S	100	114.3	255	97.2	30.2	84	114.3	146	157.2	8	22.2	200.0	9.61
FL300WNX125S	125	141.3	280	122.3	33.4	97	141.3	178	185.7	8	22.2	235.0	12.30
FL300WNX150S	150	168.3	320	146.4	35.0	97	168.3	206	215.9	12	22.2	269.9	15.60
FL300WNX200S	200	219.1	380	193.7	39.7	110	219.1	260	269.9	12	25.4	330.2	24.20
FL300WNX250S	250	273.0	445	247.7	46.1	116	273.0	321	323.8	16	28.6	387.4	34.10
FL300WNX300S	300	323.8	520	298.5	49.3	129	323.8	375	381.0	16	31.8	450.8	49.80
FL300WNX350S	350	355.6	585		52.4	141	355.6	425	412.8	20	31.8	514.4	84.37
FL300WNX400S	400	406.4	650		55.6	144	406.4	483	469.9	20	35.0	571.5	113.00
FL300WNX450S	450	457.2	710		58.8	157	457.0	533	533.4	24	35.0	628.6	140.00
FL300WNX500S	500	508.0	775		62.0	160	508.0	587	584.2	24	35.0	685.6	178.00
FL300WNX600S	600	609.6	915		68.3	167	610.0	702	692.2	24	41.3	812.8	250.00



FITTINGS

FLANGES

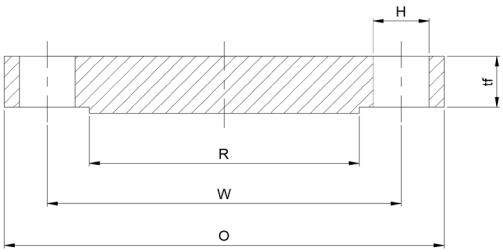
ANSI CL600 RF Weld Neck Flange B16.5 A105N (to suit Schedule XS pipe)													
Code	Pipe Dimensions		Flange Dimensions				Neck		Raised Face	Number Holes	Drilling Template		Approx Weight
	NB	OD	O	B	tf	Y	A	X	R	N	H	W	
FL600WNX015S	15	21.3	95	To be specified by purchaser	14.3	52	21.3	38	34.9	4	15.9	66.7	0.94
FL600WNX020S	20	26.7	115		15.9	57	26.7	48	42.9	4	19.1	82.6	1.59
FL600WNX025S	25	33.4	125		17.5	62	33.4	54	50.8	4	19.1	88.9	1.76
FL600WNX040S	40	48.3	155		22.3	70	48.3	70	73.0	4	22.2	114.3	3.49
FL600WNX050S	50	60.3	165		25.4	73	60.5	84	92.1	8	19.1	127.0	4.36
FL600WNX065S	65	73.0	190		28.6	79	73.0	100	104.8	8	22.2	149.2	6.43
FL600WNX080S	80	88.9	210		31.8	83	88.9	117	127.0	8	22.2	168.3	8.53
FL600WNX100S	100	114.3	275		38.1	102	114.3	152	157.2	8	25.4	215.9	17.40
FL600WNX150S	150	168.3	355		47.7	117	168.3	222	215.9	12	28.6	292.1	34.90
FL600WNX200S	200	219.1	420		55.6	133	219.1	273	269.9	12	31.8	349.2	53.90
FL600WNX250S	250	273.0	510		63.5	152	273.0	343	323.8	16	35.0	431.8	86.50
FL600WNX300S	300	323.8	560		66.7	156	323.8	400	381.0	20	35.0	489.0	103.00



FITTINGS

FLANGES

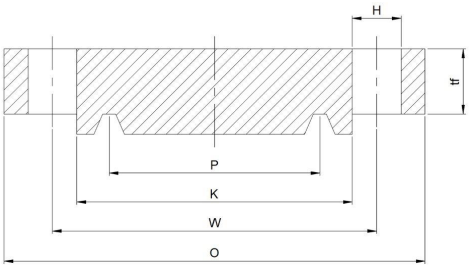
ANSI CL600 Blind Flange B16.5 A105N									
Code	Pipe Dimensions		Flange Dimensions		Raised Face	Number Holes	Drilling Template		Approx Weight
	NB	OD	O	tf	R	N	H	W	
FL600BL015S	15	21.3	95	14.3	34.9	4	15.9	66.7	0.70
FL600BL020S	20	26.7	115	15.9	42.9	4	19.1	82.6	1.50
FL600BL025S	25	33.4	125	17.5	50.8	4	19.1	88.9	1.60
FL600BL040S	40	48.3	155	22.3	73.0	4	22.2	114.3	3.25
FL600BL050S	50	60.3	165	25.4	92.1	8	19.1	127.0	4.15
FL600BL065S	65	73.0	190	28.6	104.8	8	22.2	149.2	6.13
FL600BL080S	80	88.9	210	31.8	127.0	8	22.2	168.3	8.44
FL600BL100S	100	114.3	275	38.1	157.2	8	25.4	215.9	17.30
FL600BL150S	150	168.3	355	47.7	215.9	12	28.6	292.1	36.10
FL600BL200S	200	219.1	420	55.6	269.9	12	31.8	349.2	58.90
FL600BL250S	250	273.0	510	63.5	323.8	16	35.0	431.8	98.00



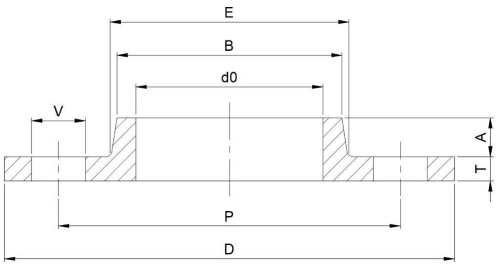
FITTINGS

FLANGES

ANSI CL600 RTJ Blind Flange B16.5 A105N										
Code	Pipe Dimensions		Flange Dimensions		Raised Face		Number Holes	Drilling Template		Approx Weight
	NB	OD	O	tf	K	P	N	H	W	
FL600BLRTJ050S	50	60.3	165	25.4	108	82.6	8	19.1	127.0	4.15
FL600BLRTJ080S	80	88.9	210	31.8	146	123.8	8	22.2	168.3	8.44
FL600BLRTJ100S	100	114.3	275	38.1	175	149.2	8	25.4	215.9	17.30
FL600BLRTJ150S	150	168.3	355	47.7	241	211.1	12	28.6	292.1	36.10
FL600BLRTJ200S	200	219.1	420	55.6	302	269.9	12	31.8	349.2	58.90
FL600BLRTJ250S	250	273.0	510	63.5	356	323.9	16	35.0	431.8	97.50
FL600BLRTJ300S	300	323.8	560	66.7	413	381.0	20	35.0	489.0	124.00



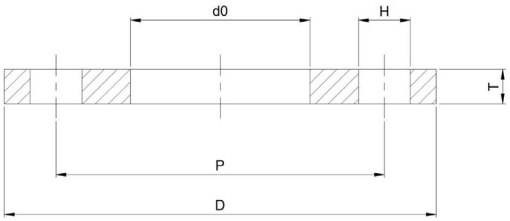
Slip On Flat Face Flange AS2129 (Table D)												
Code	Pipe Dimensions		Flange Dimensions						Num-ber Holes	Drilling		Approx Weight
	NB	OD	D	d0	T	A	B	E	N	V	P	
FLTDSO100	100	114.3	215	116.5	10	19	133	140	4	18	178	2.63
FLTDSO125	125	139.7	255	142.5	13	19	160	171	8	18	210	4.15
FLTDSO150	150	165.1	280	168.0	13	19	186	197	8	18	235	4.95
FLTDSO200	200	219.1	335	222.1	13	22	241	254	8	18	292	6.76
FLTDSO250	250	273.0	405	275.5	16	27	298	310	8	22	356	11.78
FLTDSO300	300	323.9	455	326.8	19	29	349	360	12	22	406	15.10



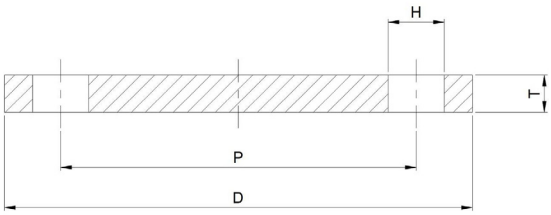
FITTINGS

FLANGES

Slip On Plate Flange AS2129 (Table D)									
Code	Pipe Dimensions		Flange Dimensions			Number Holes	Drilling		Approx Weight
	NB	OD	D	d0	T	N	H	P	
FLTDSO080P	80	88.9	185	90.9	12	4	18	146	1.96
FLTDSO100P	100	114.3	215	116.5	12	4	18	178	2.44
FLTDSO150P	150	165.1	280	168.0	13	8	18	235	3.94
FLTDSO250P	250	273.0	405	275.5	16	8	22	356	8.81



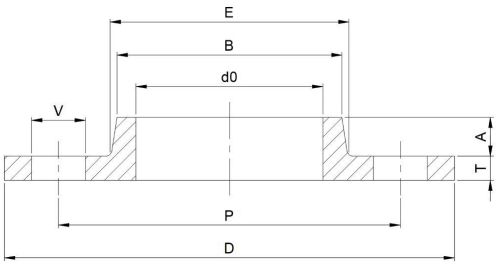
Blind Flange AS2129 - Table D								
Code	Pipe Dimensions		Flange Dimensions		Number Holes	Drilling		Approx Weight
	NB	OD	D	T	N	H	P	
FLTDBL100	100	114.3	215	12	4	18	178	3.45
FLTDBL150	150	165.1	280	13	8	18	235	6.27
FLTDBL200	200	219.1	335	13	8	18	292	6.67
FLTDBL250	250	273.0	405	16	8	22	356	16.14
FLTDBL300	300	323.9	455	19	12	22	406	24.45



FITTINGS

FLANGES

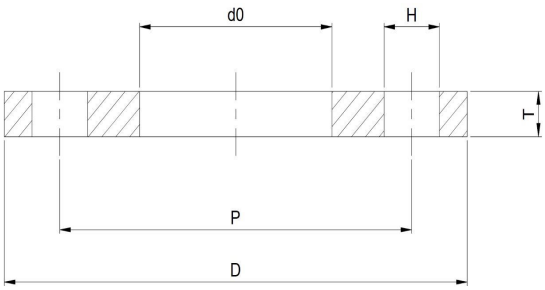
Slip On Forged Flat Face Flange As2129 - Table E												
Code	Pipe Dimensions		Flange Dimensions						Number Holes	Drilling		Approx Weight
	NB	OD	D	d0	T	A	B	E	N	V	P	
FLTESO015	15	21.3	95	23.1	6	10	33	38	4	14	67	0.40
FLTESO020	20	26.9	100	28.7	6	11	38	44	4	14	73	0.37
FLTESO025	25	33.7	115	35.4	7	11	48	52	4	14	83	0.60
FLTESO032	32	42.4	120	44.5	8	11	56	58	4	14	87	0.70
FLTESO040	40	48.3	135	50.3	9	13	62	70	4	14	98	1.05
FLTESO050	50	60.3	150	62.3	10	13	75	79	4	18	114	1.31
FLTESO065	65	76.1	165	78.2	10	16	90	93	4	18	127	1.55
FLTESO080	80	88.9	185	90.9	11	16	106	112	4	18	146	2.15
FLTESO100	100	114.3	215	116.5	13	19	133	140	8	18	178	3.31
FLTESO125	125	139.7	255	142.5	14	19	160	171	8	18	210	4.75
FLTESO150	150	165.1	280	168.0	17	19	186	191	8	22	235	6.00
FLTESO150-172 ID	150	168.3	280	172.0	17	19	186	191	8	22	235	5.80
FLTESO200	200	219.1	335	222.1	19	22	241	249	8	22	292	8.74
FLTESO250	250	273.0	405	275.5	22	27	298	310	12	22	356	14.05
FLTESO300	300	323.9	455	326.8	25	29	349	354	12	26	406	17.83



FITTINGS

FLANGES

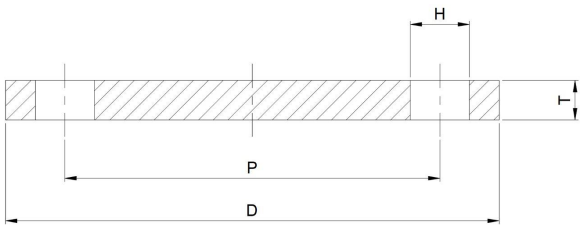
Slip On Plate Flange AS2129 (Table E)									
Code	Pipe Dimensions		Flange Dimensions			Number Holes	Drilling		Approx Weight
	NB	OD	D	d0	T	N	H	P	
FLTESO015P	15	21.3	95	23.1	12	4	14	67	0.34
FLTESO050P	50	60.3	150	62.3	12	4	18	114	1.34
FLTESO065P	65	76.1	165	78.2	12	4	18	127	1.57
FLTESO080P	80	88.9	185	90.9	12	4	18	146	1.85
FLTESO100P	100	114.3	215	116.5	13	8	18	178	2.52
FLTESO125P	125	139.7	255	142.5	14	8	18	210	3.72
FLTESO150P	150	165.1	280	168.0	17	8	22	235	5.02
FLTESO150P-172 ID	150	168.3	280	172.0	17	8	22	235	4.85
FLTESO200P	200	219.1	335	222.1	19	8	22	292	6.96
FLTESO250P	250	273.0	405	275.5	22	12	22	356	11.46
FLTESO300P	300	323.9	455	326.8	25	12	26	406	14.78
FLTESO350P	350	355.6	525	358.6	29	12	26	470	25.73
FLTESO400P	400	406.4	580	410.4	32	12	26	521	32.05
FLTESO450P	450	457.2	640	461.2	35	16	26	584	40.50
FLTESO500P	500	508.0	705	512.0	38	16	26	641	53.24
FLTESO550P	550	558.8	760		44	16	30	699	67.50
FLTESO600P	600	609.6	825	613.6	48	16	33	756	85.50
FLTESO700P	700	711.2	910		51	20	33	845	94.50



FITTINGS

FLANGES

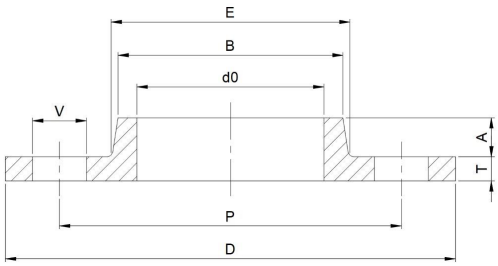
Blind Flange AS2129 - Table E								
Code	Pipe Dimensions		Flange Dimen-sions		Number Holes	Drilling		Approx Weight
	NB	OD	D	T	N	H	P	
FLTEBL015	15	21.3	95	12	4	14	67	0.65
FLTEBL020	20	26.9	100	12	4	14	73	0.73
FLTEBL025	25	33.7	115	12	4	14	83	0.98
FLTEBL032	32	42.4	120	12	4	14	87	1.05
FLTEBL040	40	48.3	135	12	4	14	98	1.32
FLTEBL050	50	60.3	150	12	4	18	114	1.63
FLTEBL065	65	76.1	165	12	4	18	127	2.02
FLTEBL080	80	88.9	185	12	4	18	146	2.45
FLTEBL100	100	114.3	215	13	8	18	178	3.60
FLTEBL125	125	139.7	255	14	8	18	210	5.52
FLTEBL150	150	165.1	280	17	8	22	235	8.00
FLTEBL200	200	219.1	335	19	8	22	292	13.15
FLTEBL250	250	273.0	405	22	12	22	356	21.85
FLTEBL300	300	323.9	455	25	12	26	406	31.38
FLTEBL350	350	355.6	525	29	12	26	470	48.98
FLTEBL400	400	406.4	580	32	12	26	521	65.34
FLTEBL450	450	457.2	640	35	16	26	584	86.90
FLTEBL500	500	508.0	705	38	16	26	641	114.50
FLTEBL600	600	609.6	825	48	16	33	756	



FITTINGS

FLANGES

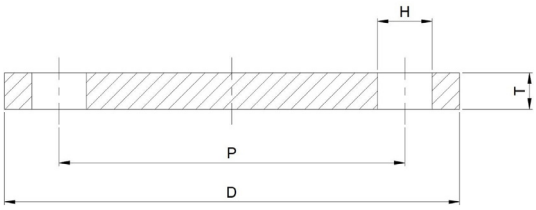
Slip On Forged Flat Face Flange As2129 - Table H												
Code	Pipe Dimensions		Flange Dimensions						Number Holes	Drilling		Approx Weight
	NB	OD	D	d0	T	A	B	E	N	V	P	
FLTHSO015	15	21.3	115	23.1	13	10	33	48	4	18	83	1.04
FLTHSO020	20	26.9	115	28.7	13	11	38	48	4	18	83	1.00
FLTHSO025	25	33.7	120	35.4	14	11	48	52	4	18	87	1.16
FLTHSO032	32	42.4	135	44.5	17	11	56	64	4	18	98	1.73
FLTHSO040	40	48.3	140	50.3	17	13	62	70	4	18	105	1.85
FLTHSO050	50	60.3	165	62.3	19	13	75	93	4	18	127	2.80
FLTHSO065	65	76.1	185	78.2	19	16	90	112	8	18	146	3.45
FLTHSO080	80	88.9	205	90.9	22	16	106	130	8	18	165	4.90
FLTHSO100	100	114.3	230	116.5	25	19	133	152	8	18	191	6.67
FLTHSO125	125	139.7	280	142.5	29	19	160	191	8	22	235	11.20
FLTHSO150	150	165.1	305	168.0	29	19	186	216	12	22	260	12.00
FLTHSO200	200	219.1	370	222.1	32	22	241	279	12	22	324	18.95
FLTHSO250	250	273.0	430	275.5	35	27	298	329	12	26	381	25.80
FLTHSO300	300	323.9	490	326.8	41	29	349	386	16	26	438	36.50



FITTINGS

FLANGES

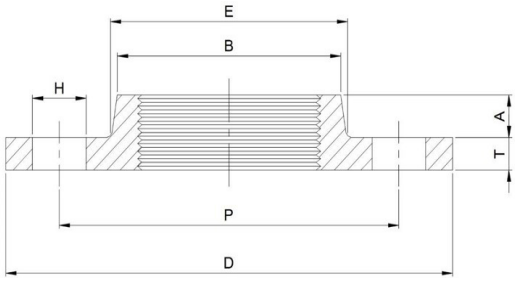
Blind Flange AS2129 - Table H								
Code	Pipe Dimensions		Flange Dimensions		Number Holes	Drilling		Approx Weight
	NB	OD	D	T	N	H	P	
FLTHBL015	15	21.3	115	13	4	18	83	0.99
FLTHBL020	20	26.9	115	13	4	18	83	1.00
FLTHBL025	25	33.7	120	14	4	18	87	1.18
FLTHBL032	32	42.4	135	17	4	18	98	1.95
FLTHBL040	40	48.3	140	17	4	18	105	2.10
FLTHBL050	50	60.3	165	19	4	18	127	3.09
FLTHBL065	65	76.1	185	19	8	18	146	3.76
FLTHBL080	80	88.9	205	22	8	18	165	5.53
FLTHBL100	100	114.3	230	25	8	18	191	8.02
FLTHBL125	125	139.7	280	29	8	22	235	13.45
FLTHBL150	150	165.1	305	29	12	22	260	15.77
FLTHBL200	200	219.1	370	32	12	22	325	26.20



FITTINGS

FLANGES

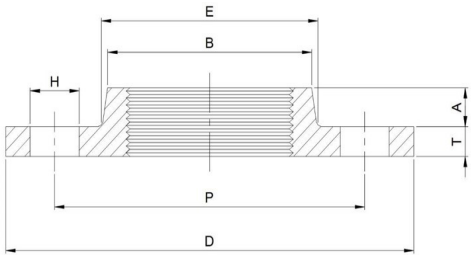
Threaded BSP Flat Face Flange AS2129 (Table E)											
Code	Pipe Dimensions		Flange Dimensions					Number Holes	Drilling		Approx Weight
	NB	OD	D	T	A	B	E	N	H	P	
FLSCTE015	15	21.3	95	6	10	33	38	4	14	67	0.37
FLSCTE020	20	26.9	100	6	11	38	44	4	14	73	0.40
FLSCTE025	25	33.7	115	7	11	48	52	4	14	83	0.65
FLSCTE032	32	42.4	120	8	11	56	58	4	14	87	0.74
FLSCTE040	40	48.3	135	9	13	62	70	4	14	98	1.02
FLSCTE050	50	60.3	150	10	13	75	79	4	18	114	1.36
FLSCTE065	65	76.1	165	10	16	90	93	4	18	127	1.57
FLSCTE080	80	88.9	185	11	16	106	112	4	18	146	2.35
FLSCTE100	100	114.3	215	13	19	133	140	8	18	178	3.45
FLSCTE125	125	139.7	255	14	19	160	171	8	18	210	5.03
FLSCTE150	150	165.1	280	17	19	186	191	8	22	235	6.51



FITTINGS

FLANGES

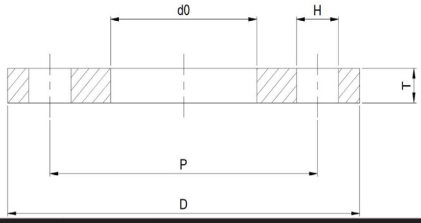
Galvanised Threaded BSP Flat Face Flange AS2129 (Table E)											
Code	Pipe Dimensions		Flange Dimensions					Number Holes	Drilling		Approx Weight
	NB	OD	D	T	A	B	E	N	H	P	
FLSCTEG015	15	21.3	95	6	10	33	38	4	14	67	0.37
FLSCTEG020	20	26.9	100	6	11	38	44	4	14	73	0.40
FLSCTEG025	25	33.7	115	7	11	48	52	4	14	83	0.65
FLSCTEG032	32	42.4	120	8	11	56	58	4	14	87	0.74
FLSCTEG040	40	48.3	135	9	13	62	70	4	14	98	1.02
FLSCTEG050	50	60.3	150	10	13	75	79	4	18	114	1.36
FLSCTEG065	65	76.1	165	10	16	90	93	4	18	127	1.57
FLSCTEG080	80	88.9	185	11	16	106	112	4	18	146	2.35
FLSCTEG100	100	114.3	215	13	19	133	140	8	18	178	3.45
FLSCTEG125	125	139.7	255	14	19	160	171	8	18	210	5.03
FLSCTEG150	150	165.1	280	17	19	186	191	8	22	235	6.51



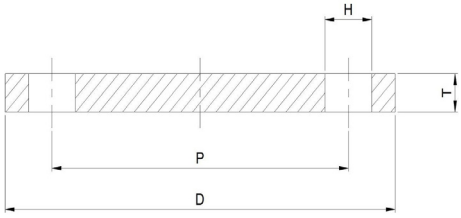
FITTINGS

FLANGES

Slip On Plate Flange AS/NZS4087 PN16 fig. B7									
Code	Pipe Dimensions		Flange Dimensions			Number Holes	Drilling		Approx Weight
	NB	OD	D	dO	T	N	H	P	
FLAS4087100P	100	114.3	215	116.5	13	4	18	178	2.64
FLAS4087150P	150	168.3	280	172.0	13	8	18	235	3.94
FLAS4087200P	200	219.1	335	222.1	19	8	18	292	7.09
FLAS4087250P	250	273.0	405	275.5	19	8	22	356	9.30
FLAS4087300P	300	323.9	455	326.8	23	12	22	406	13.67
FLAS4087350P	350	355.6	525	358.6	30	12	26	470	25.70
FLAS4087375P 411 ID	375	406.4	550	410.4	30	12	26	495	24.30
FLAS4087400P	400	406.4	580	410.4	30	12	26	521	30.70
FLAS4087450P	450	457.2	640	461.2	30	12	26	584	35.30
FLAS4087500P	500	508.0	705	512.0	38	12	26	641	54.14
FLAS4087600P	600	609.6	825	613.6	48	16	30	756	87.14



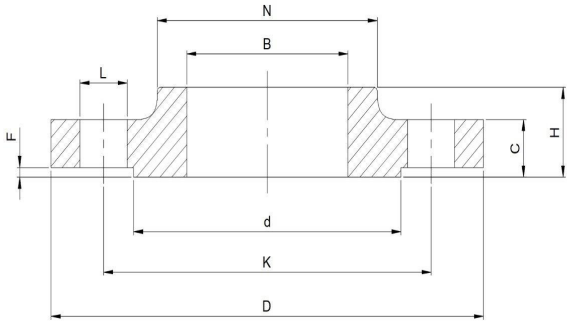
Blind Flange AS/NZS4087 PN16 fig. B7								
Code	Pipe Dimensions		Flange Dimensions		Number Holes	Drilling		Approx Weight
	NB	OD	D	T	N	H	P	
FLAS4087BL100	100	114.3	215	13	4	18	178	3.60
FLAS4087BL150	150	168.3	280	13	8	18	235	6.10
FLAS4087BL200	200	219.1	335	19	8	18	292	13.00
FLAS4087BL250	250	273.0	405	19	8	22	356	18.90
FLAS4087BL300	300	323.9	455	23	12	22	406	29.10
FLAS4087BL375	375	406.4	550	30	12	26	495	54.60
FLAS4087BL450	450	457.2	640	30	12	26	584	76.10
FLAS4087BL500	500	508.0	705	38	16	26	641	114.00
FLAS4087BL600	600	609.6	825	48	16	30	756	198.00



FITTINGS

FLANGES

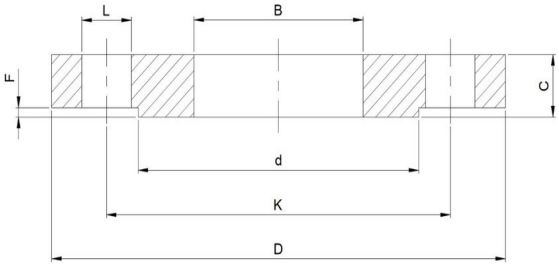
PN16 Forged Slip On RF Flange EN1092-1 Type 12 A105N													
Code	Pipe Dimensions		Flange Dimensions					Raised Face		Number Holes	Drilling		Approx Weight
	NB	OD	D	B	C	N	H	d	F	N	L	K	
FL16SO015	15	21.3	95	22.0	16	35	22	45	2	4	14	65	0.66
FL16SO020	20	26.9	105	27.5	18	45	26	58	2	4	14	75	0.95
FL16SO025	25	33.7	115	34.5	18	52	28	68	2	4	14	85	1.14
FL16SO032	32	42.4	140	43.5	18	60	30	78	2	4	18	100	1.69
FL16SO040	40	48.3	150	49.5	18	70	32	88	3	4	18	110	1.86
FL16SO050	50	60.3	165	61.5	18	84	28	102	3	4	18	125	2.53
FL16SO065	65	76.1	185	77.5	18	104	32	122	3	8	18	145	3.06
FL16SO080	80	88.9	200	90.5	20	118	34	138	3	8	18	160	3.70
FL16SO100	100	114.3	220	116.0	20	140	40	158	3	8	18	180	4.62
FL16SO125	125	139.7	250	141.5	22	168	44	188	3	8	18	210	6.30
FL16SO150	150	168.3	285	170.5	22	195	44	212	3	8	22	250	7.75
FL16SO200	200	219.1	340	221.5	24	246	44	268	3	12	22	295	11.30
FL16SO250	250	273.0	405	276.5	26	298	46	320	3	12	26	355	15.60
FL16SO300	300	323.9	460	327.5	28	350	46	378	4	12	26	410	22.00
FL16SO350	350	355.6	520	359.0	30	400	57	438	4	16	26	470	31.20



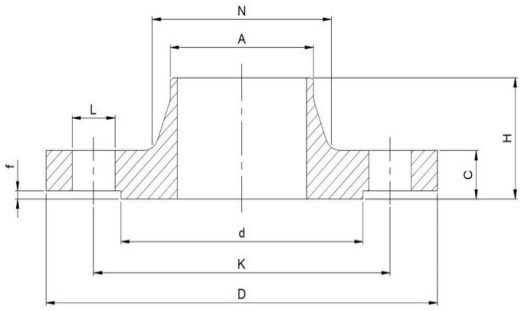
FITTINGS

FLANGES

PN16 Slip On RF Flange EN1092-1 Type 01 A105N											
Code	Pipe Dimensions		Flange Dimensions			Raised Face		Number Holes	Drilling		Approx Weight
	NB	OD	D	B	C	d	F	N	L	K	
FL16SO040P	40	48.3	150	49.5	18	88	3	4	18	110	1.60
FL16SO080P	80	88.9	200	90.5	20	138	3	8	18	160	3.30
FL16SO100P	100	114.3	220	116.0	22	158	3	8	18	180	4.06
FL16SO125P	125	139.7	250	141.5	22	188	3	8	18	210	5.00
FL16SO200P	200	219.1	340	221.5	26	268	3	12	22	295	
FL16SO250P	250	273.0	405	276.5	29	320	3	12	26	355	12.00



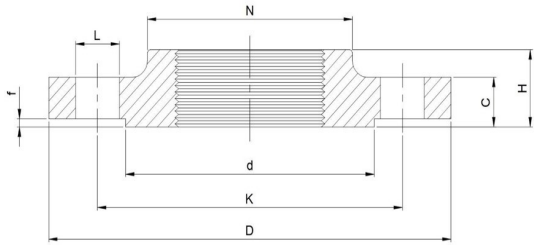
PN16 Weld Neck RF Flange EN1092-1 Type 11 A105N													
Code	Pipe Dimensions		Flange Dimensions		Raised Face		Neck			Number Holes	Drilling		Approx Weight
	NB	OD	D	C	d	f	N	A	H	N	L	K	
FL16WN025	25	33.7	115	18	68	2	46	33.7	40	4	14	85	1.14
FL16WN032	32	42.4	140	18	78	2	56	42.4	42	4	18	100	1.69
FL16WN040	40	48.3	150	18	88	3	64	48.3	45	4	18	110	1.86
FL16WN050	50	60.3	165	18	102	3	74	60.3	45	4	18	125	2.53
FL16WN065	65	76.1	185	18	122	3	92	76.1	45	8	18	145	3.06
FL16WN080	80	88.9	200	20	138	3	105	88.9	50	8	18	160	3.70
FL16WN100	100	114.3	220	20	158	3	131	114.3	52	8	18	180	4.62
FL16WN125	125	139.7	250	22	188	3	156	139.7	55	8	18	210	6.30
FL16WN150	150	168.3	285	22	212	3	184	168.3	55	8	22	250	7.75
FL16WN200	200	219.1	340	24	268	3	235	219.1	62	12	22	295	11.30



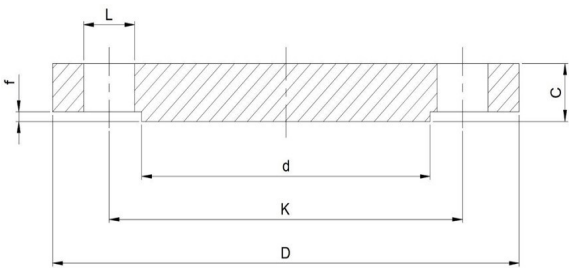
FITTINGS

FLANGES

PN16 Galvanised Threaded BSP Flange EN 1092-1 Type 13 A105N												
Code	Pipe Dimensions		Flange Dimensions				Raised Face		Number Holes	Drilling		Approx Weight
	NB	OD	D	C	N	H	d	F	N	L	K	
FLSC16G040	40	48.3	150	18	70	32	88	3	4	18	110	1.78
FLSC16G050	50	60.3	165	18	84	28	102	3	4	18	125	2.43
FLSC16G065	65	76.1	185	18	104	32	122	3	8	18	145	3.18
FLSC16G080	80	88.9	200	20	118	34	138	3	8	18	160	4.12
FLSC16G100	100	114.3	220	20	140	40	158	3	8	18	180	4.62



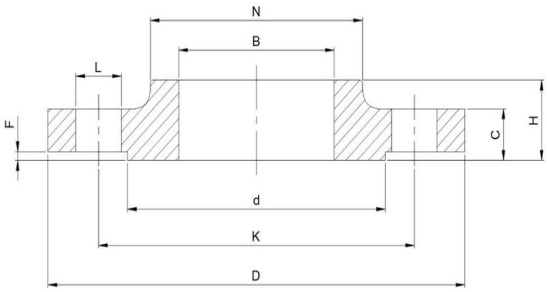
PN16 Blank Flange EN 1092-1 Type 05 A105N										
Code	Pipe Dimensions		Flange Dimensions		Raised Face		Number Holes	Drilling		Approx Weight
	NB	OD	D	C	d	F	N	L	K	
FL16BL025	25	33.7	115	18	68	2	4	14	85	1.20
FL16BL032	32	42.4	140	18	78	2	4	18	100	1.80
FL16BL040	40	48.3	150	18	88	3	4	18	110	2.10
FL16BL050	50	60.3	165	18	102	3	4	18	125	2.90
FL16BL065	65	76.1	185	18	122	3	8	18	145	3.60
FL16BL080	80	88.9	200	20	138	3	8	18	160	4.60
FL16BL100	100	114.3	220	20	158	3	8	18	180	5.60
FL16BL150	150	168.3	285	22	212	3	8	22	250	10.50
FL16BL200	200	219.1	340	24	268	3	12	22	295	16.00
FL16BL250	250	273.0	405	26	320	3	12	26	355	25.00
FL16BL300	300	323.9	460	28	378	4	12	26	410	



FITTINGS

FLANGES

PN40 Forged Slip On RF Flange EN1092-1 Type 12 A105N													
Code	Pipe Dimensions		Flange Dimensions					Raised Face		Number Holes	Drilling		Approx Weight
	NB	OD	D	B	C	N	H	d	F	N	L	K	
FL40SO025	25	33.7	115	34.5	18	52	28	68	2	4	14	85	1.29
FL40SO032	32	42.4	140	43.5	18	60	30	78	2	4	18	100	1.88
FL40SO040	40	48.3	150	49.5	18	70	32	88	3	4	18	110	2.33
FL40SO050	50	60.3	165	61.5	20	84	34	102	3	4	18	125	2.82
FL40SO065	65	76.1	185	77.5	22	104	38	122	3	8	18	145	3.74
FL40SO080	80	88.9	200	90.5	24	118	40	138	3	8	18	160	4.75
FL40SO100	100	114.3	235	116	24	145	44	162	3	8	22	190	6.52
FL40SO150	150	168.3	300	170.5	28	200	52	218	3	8	26	250	11.80
FL40SO200	200	219.1	375	221.5	34	260	52	285	3	12	30	320	21.50



FITTINGS

ROLL GROOVE FITTINGS

Grooved piping system is reliable and faster to install than welding, threading or flanging. This results in the lowest possible installed cost.

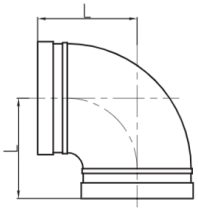
It can be adopted to suit standard pipe with cut grooves or standard and light wall pipe with rolled grooves.

FITTINGS
Ductile Iron conforming to ASTM A-536 Grade 65-45-12.

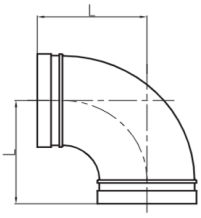
COATINGS
Hot Dipped Zinc galvanization. Painted.

BOLTS AND NUTS
Black or Zinc Plated Oval Neck bolts and heavy hexagon nuts at ASTM A-183 with a maximum tensile strength of 110,00PSI.

GASKETS
Elastomers with properties as designated by ASTM D-2000.



Roll Groove Short Radius 90° Elbow				
Code Painted	Code Galvanised	NB (mm)	L	Approx Weight
RGE050S	RGEG050S	50	70	0.62
RGE065S	RGEG065S	65	76	1.00
RGE080S	RGEG080S	80	85.5	1.39
RGE100S	RGEG100S	100	101	1.95
RGE150S	RGEG150S	150	140	4.90
RGE200S	RGEG200S	200	165	7.70

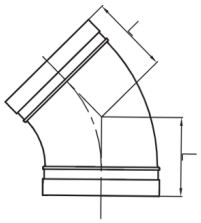


Roll Groove Long Radius 90° Elbow				
Code Painted	Code Galvanised	NB (mm)	L	Approx Weight
	RGELG025S	25	57	0.24
RGEL032S	RGELG032S	32	70	0.41
RGEL040S	RGELG040S	40	70	0.48
RGEL050S	RGELG050S	50	82.5	0.69
RGEL065S	RGELG065S	65	95	1.18
RGEL080S	RGELG080S	80	108	1.69
RGEL100S	RGELG100S	100	127	2.71
RGEL125S		125	140	4.09
RGEL150S	RGELG150S	150	165	5.89
RGEL200S	RGELG200S	200	197	10.43
RGEL250S	RGELG250S	250	229	24.58
	RGELG300S	300	254	35.52

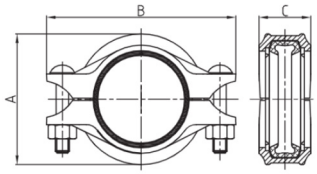
FITTINGS

ROLL GROOVE FITTINGS

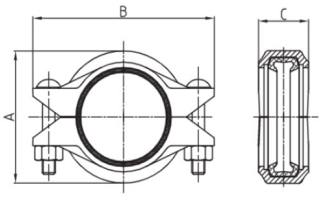
Roll Groove 45° Elbow				
Code Painted	Code Galvanised	NB (mm)	L	Appro Weight
RGE45050S	RGE45G050S	50	51	0.70
RGE45065S	RGE45G065S	65	57	0.87
RGE45080S	RGE45G080S	80	63.5	1.24
RGE45100S	RGE45G100S	100	76	1.92
RGE45125S	RGE45G125S	125	82.5	2.90
RGE45150S	RGE45G150S	150	89	3.97
RGE45200S	RGE45G200S	200	108	6.82
	RGE45G250S	250	120.5	14.76



Roll Groove Angle Rigid Coupling						
Code Painted	Code Galvanised	NB (mm)	A	B	C	Approx Weight
RGCZA032S	RGCZAG032S	32	66	109.5	45	0.57
RGCZA040S	RGCZAG040S	40	72	115	45	0.60
RGCZA050S	RGCZAG050S	50	85	131	45	0.72
RGCZA065S	RGCZAG065S	65	101	147	45	0.89
RGCZA080S	RGCZAG080S	80	115	170	46	0.98
RGCZA100S	RGCZAG100S	100	146	200	52	1.47
RGCZA125S	RGCZAG125S	125	170	238	52	2.01
RGCZA150S	RGCZAG150S	150	198	266	52	2.38
RGCZA200S	RGCZAG200S	200	260	346	62	5.74

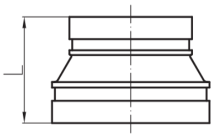


Roll Groove Flexible Coupling						
Code Painted	Code Galvanised	NB (mm)	A	B	C	Approx Weight
RGCF025S	RGCFG025S	25	55	92	42	0.45
RGCF032S	RGCFG032S	32	65	104	44	0.56
RGCF040S	RGCFG040S	40	70	110	44	0.60
RGCF050S	RGCFG050S	50	83	125	44	0.65
RGCF065S	RGCFG065S	65	100	145	45	0.86
RGCF080S	RGCFG080S	80	114	160	45	1.21
RGCF100S	RGCFG100S	100	145	198	50	1.75
RGCF125S	RGCFG125S	125	169	230	52	2.52
RGCF150S	RGCFG150S	150	196	260	52	2.65
RGCF200S	RGCFG200S	200	258	342	60	5.80
RGCF250S	RGCFG250S	250	337	406	65	10.79
RGCF300S	RGCFG300S	300	378	465	65	10.80

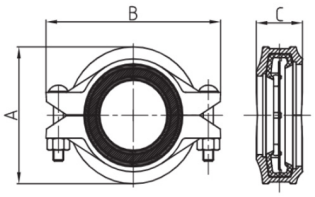


FITTINGS

ROLL GROOVE FITTINGS



Roll Groove Concentric Reducer				
Code Painted	Code Galvanised	NB (mm)	L	Approx Weight
	RGRCG065040S	65 x 40	64	0.48
RGRC065050S	RGRCG065050S	65 x 50	64	0.49
RGRC080050S	RGRCG080050S	80 x 50	64	0.56
RGRC080065S	RGRCG080065S	80 x 65	64	0.72
RGRC100050S	RGRCG100050S	100 x 50	76	0.84
RGRC100065S	RGRCG100065S	100 x 65	76	0.94
RGRC100080S	RGRCG100080S	100 x 80	76	1.03
RGRC125100S		125 x 100	89	1.38
	RGRCG150050S	150 x 50	102	2.05
	RGRCG150065S	150 x 65	102	1.99
	RGRCG150080S	150 x 80	102	1.85
RGRC150100S	RGRCG150100S	150 x 100	102	2.08
RGRC150125S		150 x 125	102	2.12
RGRC200100S	RGRCG200100S	200 x 100	127	4.90
RGRC200150S	RGRCG200150S	200 x 150	127	3.79

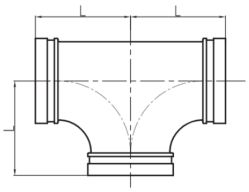


Roll Groove Reducing Flexible Coupling						
Code Painted	Code Galvanised	NB (mm)	A	B	C	Approx Weight
RGCR065050S	RGCRG065050S	65 x 50	100	138	45	0.96
RGCR080050S	RGCRG080050S	80 x 50	115	168	46	1.62
RGCR080065S	RGCRG080065S	80 x 65	115	172	46	1.53
RGCR100050S	RGCRG100050S	100 x 50	144	198	50	2.27
RGCR100065S	RGCRG100065S	100 x 65	144	202	50	2.15
RGCR100080S	RGCRG100080S	100 x 80	148	198	50	3.40
RGCR150100S	RGCRG150100S	150 x 100	197	260	51	3.77
RGCR200150S	RGCRG200150S	200 x 150	257	335	60	6.22

FITTINGS

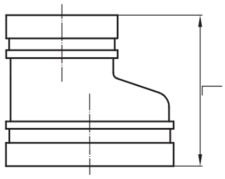
ROLL GROOVE FITTINGS

Roll Groove Equal Tee				
Code Painted	Code Galvanised	NB (mm)	L	Approx Weight
	RGTLG040S	40	70	0.72
	RGTLG050S	50	82.5	0.99
RGTL065S	RGTLG065S	65	95	1.73
RGTL080S	RGTLG080S	80	108	2.41
RGTL100S	RGTLG100S	100	127	3.87
RGTL125S		125	140	5.97
RGTL150S	RGTLG150S	150	165	7.81
RGTL200S	RGTLG200S	200	197	15.54
	RGTLG250S	250	229	34.09



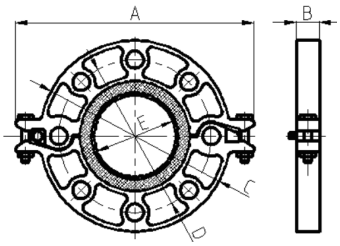
Roll Groove Cap				
Code Painted	Code Galvanised	NB (mm)	L	Approx Weight
RGCA040S		40	23.5	0.16
RGCA050S	RGCAG050S	50	23.5	0.22
RGCA065S	RGCAG065S	65	24.5	0.34
RGCA080S	RGCAG080S	80	24	0.50
RGCA100S	RGCAG100S	100	27	0.78
RGCA125S		125	25.5	1.70
RGCA150S	RGCAG150S	150	27	1.60
RGCA200S	RGCAG200S	200	30	3.71
RGCA250S		250	32	6.98
RGCA300S		300	32	15.48

Roll Groove Eccentric Reducer				
Code Painted	Code Galvanised	NB (mm)	L	Approx Weight
RGRE080050S		80 x 50	89	1.00
RGRE080065S	RGREG080065S	80 x 65	89	1.00
RGRE100050S		100 x 50	102	1.30
RGRE100065S	RGREG100065S	100 x 65	102	1.30
RGRE100080S		100 x 80	102	1.60
RGRE150080S		150 x 80	140	3.50
RGRE150100S		150 x 100	140	2.52

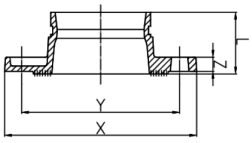


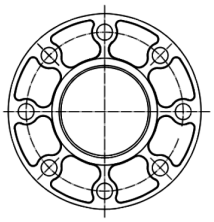
FITTINGS

ROLL GROOVE FITTINGS



Roll Groove Flange - AS2129 Table E								
Code Painted	Code Galvanised	NB (mm)	Flange Dimensions					Approx Weight
			A	B	C	D	E	
	RGFG050S	50	211	18.5	150	114	57.5	
RGF080S	RGFG080S	80	241	18.5	185	146	85.8	1.89
RGF100S	RGFG100S	100	270	18.5	216	178	110.5	2.40
RGF150S		150	346	21.5	280	235	160.8	3.99
RGF200S		200	408	24	335	292	214.9	5.67



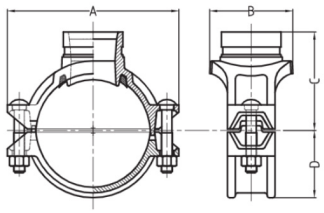


Roll Groove Flange Adaptor - AS2129 Tab. E							
Code Painted	Code Galvanised	NB (mm)	Flange Dimensions				Approx Weight
			L	X	Y	Z	
	RGFAG050S	50	65	152	114	16	
RGFA065S	RGFAG065S	65	70	165	127	16	1.73
RGFA080S	RGFAG080S	80	70	184	146	16	2.07
RGFA100S	RGFAG100S	100	70	216	178	16	3.19
RGFA150S	RGFAG150S	150	70	280	235	18	5.05
	RGFAG200S	200	102	337	292	19	8.50

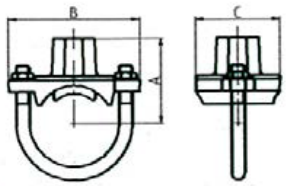
FITTINGS

ROLL GROOVE FITTINGS

Roll Groove Mechanical Tee - Roll Grooved Outlet							
Code Painted	Code Galvanised	NB (mm)	Dimensions				Approx Weight
			A	B	C	D	
RGTMGR050040S		50 x 40	116	76	69.5	39	
RGTMGR100065S	RGTMGGR100065S	100 x 65	188	104.5	102	70	1.54
RGTMGR100080S		100 x 80	188	128	102	70	2.41
	RGTMGGR150050S	150 x 50	244	112.5	127	97.5	2.40
RGTMGR150065S	RGTMGGR150065S	150 x 65	244	112.5	130	97.5	2.49
RGTMGR150080S	RGTMGGR150080S	150 x 80	244	132	130	97.5	2.70
	RGTMGGR150100S	150 x 100	244	154	135	97.5	3.13
	RGTMGGR200065S	200 x 65	320	118	158	125	3.74

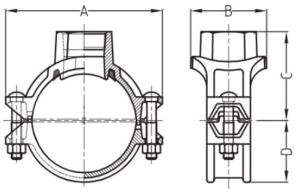


Roll Groove Mechanical U-Bolt Tee - BSP Outlet						
Code Painted	Code Galvanised	NB (mm)	Dimensions			Approx Weight
			A	B	C	
	RGTMS032015S	32 x 15	54.4	88.9	57.2	0.40
RGTMSP032025S	RGTMS032025S	32 x 25	57.7	88.9	57.2	0.48
RGTMSP040015S	RGTMS040015S	40 x 15	57.7	88.9	57.2	0.39
RGTMSP040020S	RGTMS040020S	40 x 20	57.7	88.9	57.2	0.42
	RGTMS040025S	40 x 25	60.8	88.9	57.2	0.47
	RGTMS050015S	50 x 15	63.3	95.3	57.2	0.40
	RGTMS050020S	50 x 20	63.3	95.3	57.2	0.43
	RGTMS050025S	50 x 25	66.6	95.3	57.2	0.48
	RGTMS050032S	50 x 32	66.6	119.9	76.2	0.40
	RGTMS065015S	65 x 15	69.9	108	57.2	0.43
	RGTMS065020S	65 x 20	69.9	108	57.2	0.46



FITTINGS

ROLL GROOVE FITTINGS



Roll Groove Mechanical Tee Female BSP Outlet							
Code Painted	Code Galvanised	NB (mm)	Dimensions				Approx Weight
			A	B	C	D	
	RGTMG025015S	25 x 15	86	46	26	24.5	0.26
	RGTMG040025S	40 x 25	101.5	57	56	32.5	0.52
	RGTMG050020S	50 x 20	116	68	60	39	0.64
RGTM050025S	RGTMG050025S	50 x 25	116	68	60	39	0.72
RGTM050032S	RGTMG050032S	50 x 32	116	76	65	39	0.83
RGTM050040S	RGTMG050040S	50 x 40	116	76	65	39	0.85
	RGTMG065020S	65 x 20	137	71	68	49.5	1.12
RGTM065025S	RGTMG065025S	65 x 25	137	71	75	49.5	1.12
RGTM065032S	RGTMG065032S	65 x 32	137	84.5	75	49.5	1.20
RGTM065040S	RGTMG065040S	65 x 40	137	84.5	75	49.5	1.25
	RGTMG080020S	80 x 20	152	72.5	71.5	56.5	1.02
RGTM080025S	RGTMG080025S	80 x 25	152	72.5	80	56.5	1.05
RGTM080032S	RGTMG080032S	80 x 32	152	85.5	80	56.5	1.13
RGTM080040S	RGTMG080040S	80 x 40	152	85.5	80	56.5	1.14
RGTM080050S	RGTMG080050S	80 x 50	152	98	80	56.5	1.31
RGTM100025S	RGTMG100025S	100 x 25	188	78.5	93	70	1.24
RGTM100032S	RGTMG100032S	100 x 32	188	89	95	70	1.32
RGTM100040S	RGTMG100040S	100 x 40	188	89	97	70	1.34
RGTM100050S	RGTMG100050S	100 x 50	188	104.5	100	70	1.44
RGTM100065S	RGTMG100065S	100 x 65	188	104.5	102	70	1.70
RGTM100080S	RGTMG100080S	100 x 80	188	128	102	70	1.70
RGTM125050S		125 x50	221.5	95	112	84	2.63
RGTM150040S	RGTMG150040S	150 x 40	244	93	118	97.5	2.29
RGTM150050S	RGTMG150050S	150 x 50	244	112.5	128.5	97.5	2.46
RGTM150065S	RGTMG150065S	150 x 65	244	112.5	128.5	97.5	3.10
RGTM150080S	RGTMG150080S	150 x 80	244	132	128.5	97.5	2.90
RGTM150100S		150 x 100	244	154	135	97.5	3.60
RGTM200050S	RGTMG200050	200 x 50	320	117	160	125	3.82

FITTINGS

PIPE HANGERS

Pipe Saddle - Zinc				
Code	NB (mm)	Pipe OD	Strap Size	Approx Weight
HASAZ/015	15	21.3	20 x 0.8	0.01
HASAZ/020	20	26.9	20 x 0.8	0.01
HASAZ/025	25	33.7	20 x 0.8	0.02
HASAZ/032	32	42.4	20 x 0.8	0.02
HASAZ/040	40	48.3	20 x 0.8	0.02
HASAZ/050	50	60.3	20 x 0.8	
HASAZ/065	65	76.1	30 x 0.8	0.11

Pipe Saddle - Galvanised				
Code	NB (mm)	Pipe OD	Strap Size	Approx Weight
HASAG/015XL	15	21.3	25 x 1.8	
HASAG/020XL	20	26.9	25 x 1.8	
HASAG/025XL	25	33.7	25 x 1.8	0.05
HASAG/025L	25	33.7	25 x 3.0	
HASAG/032XL	32	42.4	25 x 1.8	0.06
HASAG/032L	32	42.4	25 x 3.0	
HASAG/040XL	40	48.3	25 x 1.8	0.06
HASAG/040L	40	48.3	25 x 3.0	
HASAG/050XL	50	60.3	25 x 2.3	0.09
HASAG/050L	50	60.3	25 x 3.0	
HASAG/050M	50	60.3	40 x 5.0	0.36
HASAG/065XL	65	76.1	25 x 2.3	
HASAG/065M	65	76.1	40 x 5.0	0.42
HASAG/080XL	80	88.9	25 x 2.3	
HASAG/080M	80	88.9	40 x 5.0	0.44
HASAG/100XL	100	114.3	25 x 2.3	
HASAG/100M	100	114.3	40 x 5.0	0.68

FITTINGS

PIPE HANGERS

Munzing Ring Zinc					
Code	NB (mm)	Pipe OD	Strap Size	Boss	Approx Weight
HAMR015ZWB	15	21.3	25 x 2.0	M10	0.10
HAMR020ZWB	20	26.9	25 x 2.0	M10	0.11
HAMR025ZWB	25	33.7	25 x 2.0	M10	0.12
HAMR032ZWB	32	42.4	25 x 2.0	M10	0.12
HAMR040ZWB	40	48.3	25 x 2.0	M10	0.13
HAMR050ZWB	50	60.3	25 x 2.5	M10	0.17
HAMR065ZWB	65	76.1	25 x 2.5	M10	0.20
HAMR065ZWB12	65	76.1	25 x 2.5	M12	
HAMR080ZWB	80	88.9	25 x 2.5	M10	0.22
HAMR080ZWB12	80	88.9	25 x 2.5	M12	
HAMR100ZWB	100	114.3	25 x 3.0	M10	0.34
HAMR100ZWB12	100	114.3	25 x 3.0	M12	0.28
HAMR150ZWB	150	165.1	25 x 3.0	M10	0.40
HAMR150ZWB12	150	165.1	25 x 3.0	M12	

Munzing Ring Galvanised					
Code	NB (mm)	Pipe OD	Strap Size	Boss	Approx Weight
HAMR015GWB	15	21.3	25 x 2.0	M10	0.10
HAMR020GWB	20	26.9	25 x 2.0	M10	0.11
HAMR025GWB	25	33.7	25 x 2.0	M10	0.12
HAMR032GWB	32	42.4	25 x 2.0	M10	0.13
HAMR040GWB	40	48.3	25 x 2.0	M10	0.14
HAMR050GWB	50	60.3	25 x 2.5	M10	0.18
HAMR065GWB	65	76.1	25 x 2.5	M10	0.22
HAMR065GWB12	65	76.1	25 x 2.5	M12	
HAMR080GWB	80	88.9	25 x 2.5	M10	0.23
HAMR080GWB12	80	88.9	25 x 2.5	M12	
HAMR100GWB	100	114.3	25 x 3.0	M10	0.34
HAMR100GWB12	100	114.3	25 x 3.0	M12	
HAMR150GWB12	150	165.1	25 x 5.0	M12	

FITTINGS

PIPE HANGERS

Munzing Ring Insulated		
Code	Metric Size	Pipe OD
HAMR015IN	15	21.3
HAMR020IN	20	26.9
HAMR025IN	25	33.7
HAMR032IN	32	42.4
HAMR040IN	40	48.3
HAMR050IN	50	60.3
HAMR065IN	65	76.1
HAMR080IN	80	88.9
HAMR100IN	100	114.3

Base Plates				
Code	Boss	Orientation	Finish	Approx Weight
HABP1012HGWB	M10 & M12	Horizontal	Galv	0.09
HABP1012VGWB	M10 & M12	Vertical	Galv	0.09
HABP1012VZWB	M10 & M12	Vertical	Zinc	0.09
HABP1045GWB	M10	45 Deg	Galv	0.05
HABP1045ZWB	M10	45 Deg	Zinc	0.10
HABP10GWB	M10	Flat	Galv	0.05
HABP10ZWB	M10	Flat	Zinc	0.05
HABP1245ZWB	M12	45 Deg	Zinc	0.00
HABP12ZWB	M12	Flat	Zinc	0.05

FITTINGS

PIPE HANGERS

Two Piece Pipe Clamp				
Code	NB (mm)	Pipe OD	Strap Size	Approx Weight
HASBG/015	15	21.3	25 x 3.0	0.10
HASBG/020	20	26.9	25 x 3.0	0.15
HASBG/025	25	33.7	25 x 3.0	0.14
HASBG/032	32	42.4	25 x 3.0	0.18
HASBG/040	40	48.3	25 x 3.0	0.17
HASBG/050	50	60.3	40 x 6.0	0.74
HASBG/065	65	76.1	40 x 6.0	0.84
HASBG/080	80	88.9	40 x 6.0	0.93
HASBG/100	100	114.3	40 x 6.0	1.01
HASBG/125	125	139.7	40 x 6.0	0.36
HASBG/150	150	165.1	40 x 6.0	1.33
HASBG/200	200	219.1	40 x 6.0	1.65
HASBG/250	250	273.1	40 x 6.0	2.01
HASBG/300	300	323.9	75 x 10.0	7.50

FITTINGS

PIPE HANGERS

Two Piece Pipe Clamp with Yoke - Galvanised				
Code	NB (mm)	Pipe OD	Strap Size	Approx Weight
HAYCG08025	25	33.7	25 x 3.0	0.21
HAYCG08032	32	42.4	25 x 3.0	0.23
HAYCG08040	40	48.3	25 x 3.0	0.24
HAYCG08050	50	60.3	25 x 3.0	0.27
HAYCG08065	65	76.1	25 x 3.0	0.30
HAYCG08080	80	88.9	25 x 3.0	0.32
HAYCG08100	100	114.3	25 x 3.0	0.39
HAYCG08125	125	139.7	25 x 3.0	0.42
HAYCG08150	150	165.1	25 x 3.0	0.48
HAYCG18050	50	60.3	40 x 6.0	0.99
HAYCG18065	65	76.1	40 x 6.0	1.09
HAYCG18080	80	88.9	40 x 6.0	1.15
HAYCG18100	100	114.3	40 x 6.0	1.31
HAYCG18125	125	139.7	40 x 6.0	1.42
HAYCG18150	150	165.1	40 x 6.0	1.58
HAYCG18200	200	219.1	40 x 6.0	1.88
HAYCG18250	250	273.1	40 x 6.0	2.27
HAYCG18300	300	323.9	40 x 6.0	
HAYCG31250	250	273.1	75 x 10.0	7.70
HAYCG31300	300	323.9	75 x 10.0	8.70
HAYCG31350	350	355.6	75 x 10.0	9.30
HAYCG31400	400	406.4	75 x 10.0	10.10

FITTINGS

PIPE HANGERS

U-Bolts - Galvanised				
Code	NB (mm)	Internal Diameter	Thread Size	Approx Weight
HAUBG/010X050	50	60	M10	
HAUBG/010X065	65	76	M10	
HAUBG/010X080	80	89	M10	
HAUBG/010X100	100	115	M10	
HAUBG/010X125	125	140	M10	
HAUBG/012X065	65	76	M12	
HAUBG/012X080	80	89	M12	
HAUBG/012X090	90	102	M12	
HAUBG/012X100	100	115	M12	
HAUBG/012X125	125	140	M12	
HAUBG/012X150	150	168	M12	0.49
HAUBG/012X200	200	219	M12	
HAUBG/016X080	80	89	M16	0.65
HAUBG/016X100	100	115	M16	
HAUBG/016X150	150	168	M16	
HAUBG/016X200	200	219	M16	0.97
HAUBG/020X150	150	168	M20	
HAUBG/010X065	10 x 65	76		0.28

U-Bolts - Zinc			
Code	NB (mm)	Internal Diameter	Thread Size
HAUBZ/008X020	20	27	M8
HAUBZ/008X025	25	34	M8
HAUBZ/008X032	32	43	M8
HAUBZ/008X040	40	48	M8
HAUBZ/008X050	50	60	M8
HAUBZ/010X025	25	34	M10
HAUBZ/010X040	40	48	M10
HAUBZ/010X050	50	60	M10
HAUBZ/010X065	65	76	M10
HAUBZ/010X080	80	89	M10
HAUBZ/010X100	100	114	M10
HAUBZ/012X090	90	102	M12
HAUBZ/012X100	100	114	M12
HAUBZ/012X150	150	168	M12