

**BLAZE**

ASME Pipe Flange

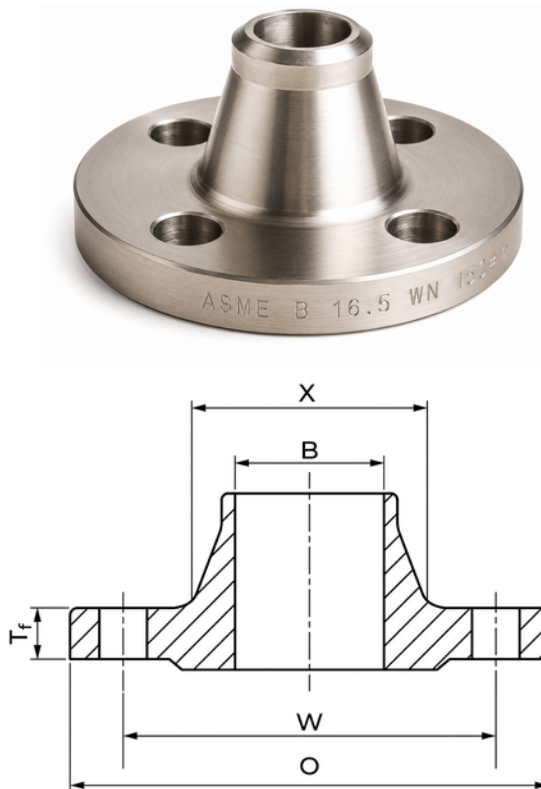
Welding Neck Flange

Description :

Welding Neck Flanges are designed with a long, tapered hub that matches the bore of the connecting pipe, allowing for a full-penetration butt weld. This design ensures smooth stress distribution from the flange to the pipe, reducing stress concentrations and improving joint strength. They are particularly suitable for high-pressure, high-temperature and critical service applications, where reliability and structural integrity are essential.

Specifications :

Size	1/2" to 12" (DN15 to DN300)
Certificate	ISO
Standard	ASME B16.5
Material	Forged steel as ASTM A105
Pressure Rating	Class 150 / Class 300
Flange Facing	FF / RF / MF / TG / RJ
Finish	Oiled / Galvanized



Product Dimensions for Class 150 :

Size		Outside Diameter	Hub Diameter	Bore	Min Flange Thickness	Bolt Circle Diameter	Bolting	Weight
NPS	OD(mm)	O (mm)	X (mm)	B (mm)	Tf (mm)	W (mm)	No. Of holes	(kg)
1/2"	21.3	90	30	15.8	9.6	60.3	4 - 5/8"	0.50
3/4"	26.7	100	38	20.9	11.2	69.9	4 - 5/8"	0.74
1"	33.4	110	49	26.6	12.7	79.4	4 - 5/8"	1.06
1-1/4"	42.2	115	59	35.1	14.3	88.9	4 - 5/8"	1.31
1-1/2"	48.3	125	65	40.9	15.9	98.4	4 - 5/8"	1.69
2"	60.3	150	78	52.5	17.5	120.7	4 - 3/4"	2.55
2-1/2"	73	180	90	62.7	20.7	139.7	4 - 3/4"	4.26
3"	88.9	190	108	77.9	22.3	152.4	4 - 3/4"	4.98
4"	114.3	230	135	102.3	22.3	190.5	8 - 3/4"	7.13
5"	141.3	255	164	128.2	22.3	215.9	8 - 7/8"	8.93
6"	168.3	280	192	154.1	23.9	241.3	8 - 7/8"	10.8
8"	219.1	345	246	202.7	27.0	298.5	8 - 7/8"	18.1
10"	273	405	305	254.6	28.6	362.0	12 - 1"	24.1
12"	323.8	485	365	304.8	30.2	431.8	12 - 1"	37.7

Product Dimensions for Class 300:

Size		Hub Diameter	Bore	Min Flange Thickness	Outside Diameter	Bolt Circle Diameter	Bolting	Weight
NPS	OD(mm)	X (mm)	B (mm)	Tf (mm)	O (mm)	W (mm)	No. Of holes	(kg)
1/2"	21.3	30	15.8	9.6	95	66.7	4 - 5/8"	0.75
3/4"	26.7	38	20.9	11.2	115	82.6	4 - 3/4"	1.24
1"	33.4	49	26.6	12.7	125	88.9	4 - 3/4"	1.64
1-1/4"	42.2	59	35.1	14.3	135	98.4	4 - 3/4"	2.13
1-1/2"	48.3	65	40.9	15.9	155	114.3	4 - 7/8"	2.94
2"	60.3	78	52.5	17.5	165	127.0	8 - 3/4"	3.47
2-1/2"	73.0	90	62.7	20.7	190	149.2	8 - 7/8"	5.28
3"	88.9	108	77.9	22.3	210	168.3	8 - 7/8"	7.11
4"	114.3	135	102.3	22.3	255	200.0	8 - 7/8"	11.6
5"	141.3	164	128.2	22.3	280	235.0	8 - 7/8"	15.5
6"	168.3	192	154.1	23.9	320	269.9	12 - 7/8"	19.9
8"	219.1	246	202.7	27.0	380	330.2	12 - 1"	30.1
10"	273.0	305	254.6	28.6	445	387.4	16-1½"	43.6
12"	323.8	365	304.8	30.2	520	450.8	16-1¼"	62.7

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ASME Pipe Flange

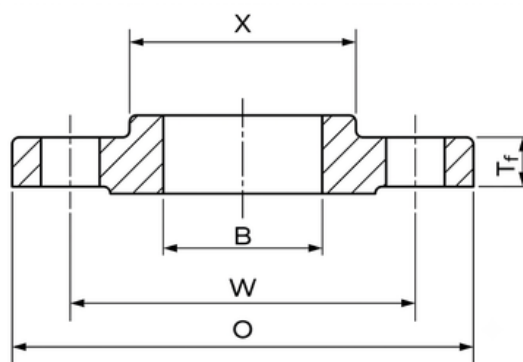
Slip-on Welding Flange

Description :

Slip-On Welding Flanges are manufactured with an internal diameter slightly larger than the outside diameter of the pipe, allowing the flange to slide easily over the pipe before welding. The connection is secured using double fillet welds, providing a simple and reliable installation. Their ease of alignment and lower material cost make them a cost-effective choice for low to medium pressure applications, particularly in utility services handling non-flammable and non-explosive media.

Specifications :

Size	1/2" to 12" (DN15 to DN300)
Certificate	ISO
Standard	ASME B16.5
Material	Forged steel as ASTM A105
Pressure Rating	Class 150 / Class 300
Flange Facing	FF / RF / MF / TG / RJ
Finish	Oiled / Galvanized



Product Dimensions for Class 150 :

Size		Outside Diameter	Hub Diameter	Bore	Min Flange Thickness	Bolt Circle Diameter	Bolting	Weight
NPS	OD(mm)	O (mm)	X (mm)	B (mm)	Tf (mm)	W (mm)	No. Of holes	(kg)
1/2"	21.3	90	30	22.2	9.6	60.3	4 - 5/8"	0.41
3/4"	26.7	100	38	27.7	11.2	69.9	4 - 5/8"	0.59
1"	33.4	110	49	34.5	12.7	79.4	4 - 5/8"	0.82
1-1/4"	42.2	115	59	43.2	14.3	88.9	4 - 5/8"	0.99
1-1/2"	48.3	125	65	49.5	15.9	98.4	4 - 5/8"	1.29
2"	60.3	150	78	61.9	17.5	120.7	4 - 3/4"	2.02
2-1/2"	73.0	180	90	74.6	20.7	139.7	4 - 3/4"	3.42
3"	88.9	190	108	90.7	22.3	152.4	4 - 3/4"	3.89
4"	114.3	230	135	116.1	22.3	190.5	8 - 3/4"	5.46
5"	141.3	255	164	143.8	22.3	215.9	8 - 7/8"	6.24
6"	168.3	280	192	170.7	23.9	241.3	8 - 7/8"	7.6
8"	219.1	345	246	221.5	27.0	298.5	8 - 7/8"	12.5
10"	273.0	405	305	276.2	28.6	362.0	12 - 1"	16.4
12"	323.8	485	365	327.0	30.2	431.8	12 - 1"	26.8

Product Dimensions for Class 300:

Size		Outside Diameter	Hub Diameter	Bore	Min Flange Thickness	Bolt Circle Diameter	Bolting	Weight
NPS	OD(mm)	O (mm)	X (mm)	B (mm)	Tf (mm)	W (mm)	No. Of holes	(kg)
1/2"	21.3	95	38	22.2	12.7	66.7	4 - 5/8"	0.65
3/4"	26.7	115	48	27.7	14.3	82.6	4 - 3/4"	1.08
1"	33.4	125	54	34.5	15.9	88.9	4 - 3/4"	1.39
1-1/4"	42.2	135	64	43.2	17.5	98.4	4 - 3/4"	1.74
1-1/2"	48.3	155	70	49.5	19.1	114.3	4 - 7/8"	2.50
2"	60.3	165	84	61.9	20.7	127.0	8 - 3/4"	2.91
2-1/2"	73.0	190	100	74.6	23.9	149.2	8 - 7/8"	4.37
3"	88.9	210	117	90.7	27.0	168.3	8 - 7/8"	5.91
4"	114.3	255	146	116.1	30.2	200.0	8 - 7/8"	9.80
5"	141.3	280	178	143.8	33.4	235.0	8 - 7/8"	12.3
6"	168.3	320	206	170.7	35.0	269.9	12 - 7/8"	16.1
8"	219.1	380	260	221.5	39.7	330.2	12 - 1"	24.0
10"	273.0	445	321	276.2	46.1	387.4	16-1½"	34.3
12"	323.8	520	375	327.0	49.3	450.8	16-1¾"	49.7

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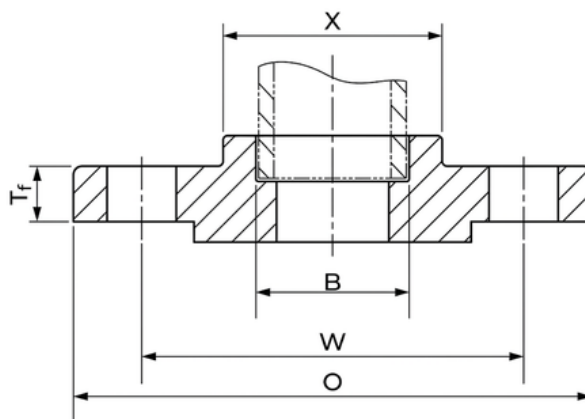
ASME Pipe Flange Socket Welding Flange

Description :

Socket Welding Flanges are designed for small-diameter pipework, with the pipe inserted into a recessed socket before being secured by a single fillet weld around the outside. This design provides accurate alignment and a strong, leak-resistant connection. They are commonly used in high-pressure and high-temperature systems with small-bore piping, where reliable performance and ease of installation are essential.

Specifications :

Size	1/2" to 12" (DN15 to DN300)
Certificate	ISO
Standard	ASME B16.5
Material	Forged steel as ASTM A105
Pressure Rating	Class 150 / Class 300
Flange Facing	RF / MF / TG / RJ
Finish	Oiled / Galvanized



Product Dimensions for Class 150 / Class 300 :

Size		Outside Diameter	Hub Diameter	Bore	Min Flange Thickness	Bolt Circle Diameter	Bolting	Weight
NPS	OD(mm)	O (mm)	X (mm)	B (mm)	Tf (mm)	W (mm)	No. Of holes	(kg)
1/2"	21.3	90	30	22.2	9.6	60.3	4 - 5/8"	0.42
3/4"	26.7	100	38	27.7	11.2		4 - 5/8"	0.60
1"	33.4	110	49	34.5	12.7	79.4	4 - 5/8"	0.83
1-1/4"	42.2	115	59	43.2	14.3		4 - 5/8"	1.02
1-1/2"	48.3	125	65	49.5	15.9	98.4	4 - 5/8"	1.32
2"	60.3	150	78	61.9	17.5	120.7	4 - 3/4"	2.07
2-1/2"	73.0	180	90	74.6	20.7	139.7	4 - 3/4"	3.52
3"	88.9	190	108	90.7	22.3	152.4	4 - 3/4"	4.02
1/2"	21.3	95	38	22.2	12.7	66.7	4 - 5/8"	0.67
3/4"	26.7	115	48	27.7	14.3	82.6	4 - 3/4"	1.11
1"	33.4	125	54	34.5	15.9	88.9	4 - 3/4"	1.43
1-1/4"	42.2	135	64	43.2	17.5	98.4	4 - 3/4"	1.80
1-1/2"	48.3	155	70	49.5	19.1	114.3	4 - 7/8"	2.58
2"	60.3	165	84	61.9	20.7	127.0	8 - 3/4"	3.02
2-1/2"	73.0	190	100	74.6	23.9	149.2	8 - 7/8"	4.57
3"	88.9	210	117	90.7	27.0	168.3	8 - 7/8"	6.20

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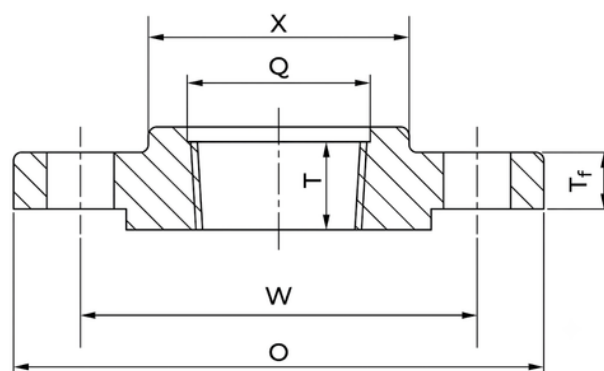
Threaded Flange

Description :

Threaded Flanges are similar to slip-on flanges, but feature an internally threaded bore that mates with the external threads of the pipe, eliminating the need for welding. This design allows for quick installation and easy removal, making them ideal for maintenance and inspection. They are commonly used on small-diameter, high-pressure pipelines, particularly in utility services and instrumentation systems where welding is impractical or undesirable.

Specifications :

Size	1/2" to 12" (DN15 to DN300)
Certificate	ISO
Standard	ASME B16.5
Material	Forged steel as ASTM A105
Pressure Rating	Class 150 / Class 300
Flange Facing	RF
Thread	NPT thread as ASME B1.20.1
Finish	Oiled / Galvanized



Product Dimensions for Class 150 :

Size	Outside Diameter	Hub Diameter	Bore	Min Flange Thickness	Bolt Circle Diameter	Bolting	Weight
NPS	OD(mm)	O (mm)	X (mm)	B (mm)	Tf (mm)	W (mm)	No. Of holes (kg)
1/2"	21.3	90	30	16	9.6	60.3	4 - 5/8" 0.42
3/4"	26.7	100	38	16	11.2	69.9	4 - 5/8" 0.61
1"	33.4	110	49	17	12.7	79.4	4 - 5/8" 0.84
1-1/4"	42.2	115	59	21	14.3	88.9	4 - 5/8" 1.02
1-1/2"	48.3	125	65	22	15.9	98.4	4 - 5/8" 1.33
2"	60.3	150	78	25	17.5	120.7	4 - 3/4" 2.08
2-1/2"	73.0	180	90	29	20.7	139.7	4 - 3/4" 3.54
3"	88.9	190	108	30	22.3	152.4	4 - 3/4" 4.05
4"	114.3	230	135	33	22.3	190.5	8 - 3/4" 5.70
5"	141.3	255	164	36	22.3	215.9	8 - 7/8" 6.61
6"	168.3	280	192	40	23.9	241.3	8 - 7/8" 8.14

Product Dimensions for Class 300:

Size	Outside Diameter	Hub Diameter	Bore	Min Flange Thickness	Min Counter bore	Bolt Circle Diameter	Bolting	Weight
NPS	OD(mm)	O (mm)	X (mm)	B (mm)	Tf (mm)	Q (mm)	W (mm)	No. Of holes (kg)
1/2"	21.3	95	38	16	12.7	23.6	66.7	4 - 5/8" 0.65
3/4"	26.7	115	48	16	14.3	29.0	82.6	4 - 3/4" 1.09
1"	33.4	125	54	18	15.9	35.8	88.9	4 - 3/4" 1.41
1-1/4"	42.2	135	64	21	17.5	44.4	98.4	4 - 3/4" 1.77
1-1/2"	48.3	155	70	23	19.1	50.3	114.3	4 - 7/8" 2.54
2"	60.3	165	84	29	20.7	63.5	127	8 - 3/4" 2.97
2-1/2"	73.0	190	100	32	23.9	76.2	149.2	8 - 7/8" 4.48
3"	88.9	210	117	32	27.0	92.2	168.3	8 - 7/8" 6.06
4"	114.3	255	146	37	30.2	117.6	200	8 - 7/8" 10.0
5"	141.3	280	178	43	33.4	144.4	235	8 - 7/8" 12.8
6"	168.3	320	206	47	35.0	171.4	269.9	12 - 7/8" 16.7

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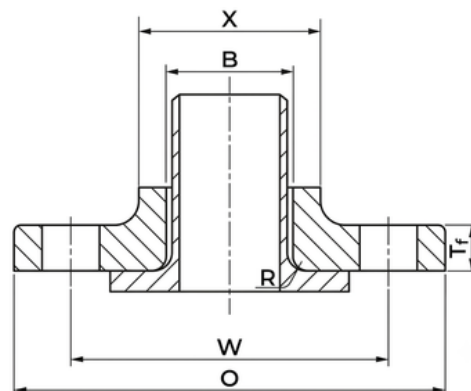
Lap Joint Flange

Description :

Lap Joint Flanges are used in conjunction with Lap Joint Stub Ends, with the flange providing the bolted connection while the stub end forms the sealing face. As the flange does not come into contact with the process fluid and requires no welding, it can rotate freely around the stub end, allowing easy alignment during installation. They are suitable for a wide range of pressure applications and are particularly recommended for corrosion-resistant piping systems, such as stainless steel and nickel alloy pipelines, where they offer a cost-effective solution by allowing the use of a lower-cost backing flange.

Specifications :

Size	1/2" to 12" (DN15 to DN300)
Certificate	ISO
Standard	ASME B16.5
Material	Forged steel as ASTM A105
Pressure Rating	Class 150 / Class 300
Flange Facing	RF / RJ
Finish	Oiled / Galvanized



Product Dimensions for Class 150 :

Size		Outside Diameter	Hub Diameter	Bore	Min Flange Thickness	Bolt Circle Diameter	Bolting	Weight
NPS	OD(mm)	O (mm)	X (mm)	B (mm)	Tf (mm)	W (mm)	No. Of holes	(kg)
1/2"	21.3	90	30	22.9	11.2	60.3	4 - 5/8"	0.47
3/4"	26.7	100	38	28.2	12.7	69.9	4 - 5/8"	0.66
1"	33.4	110	49	34.9	14.3	79.4	4 - 5/8"	0.89
1-1/4"	42.2	115	59	43.7	15.9	88.9	4 - 5/8"	1.06
1-1/2"	48.3	125	65	50.0	17.5	98.4	4 - 5/8"	1.35
2"	60.3	150	78	62.5	19.1	120.7	4 - 3/4"	2.08
2-1/2"	73.0	180	90	75.4	22.3	139.7	4 - 3/4"	3.56
3"	88.9	190	108	91.4	23.9	152.4	4 - 3/4"	3.96
4"	114.3	230	135	116.8	23.9	190.5	8 - 3/4"	5.55
5"	141.3	255	164	144.4	23.9	215.9	8 - 7/8"	6.38
6"	168.3	280	192	171.4	25.4	241.3	8 - 7/8"	7.69
8"	219.1	345	246	222.2	28.6	298.5	8 - 7/8"	12.6
10"	273.0	405	305	277.4	30.2	362.0	12 - 1"	16.5
12"	323.8	485	365	328.2	31.8	431.8	12 - 1"	27.1

Product Dimensions for Class 300:

Size		Outside Diameter	Hub Diameter	Bore	Min Flange Thickness	Bolt Circle Diameter	Bolting	Weight
NPS	OD(mm)	O (mm)	X (mm)	B (mm)	Tf (mm)	W (mm)	No. Of holes	(kg)
1/2"	21.3	95	38	22.9	14.3	66.7	4 - 5/8"	0.71
3/4"	26.7	115	48	28.2	15.9	82.6	4 - 3/4"	1.12
1"	33.4	125	54	34.9	17.5	88.9	4 - 3/4"	1.47
1-1/4"	42.2	135	64	43.7	19.1	98.4	4 - 3/4"	1.83
1-1/2"	48.3	155	70	50.0	20.7	114.3	4 - 7/8"	2.6
2"	60.3	165	84	62.5	22.3	127.0	8 - 3/4"	2.94
2-1/2"	73.0	190	100	75.4	25.4	149.2	8 - 7/8"	4.33
3"	88.9	210	117	91.4	28.6	168.3	8 - 7/8"	5.88
4"	114.3	255	146	116.8	31.8	200.0	8 - 7/8"	9.71
5"	141.3	280	178	144.4	35.0	235.0	8 - 7/8"	12.2
6"	168.3	320	206	171.4	36.6	269.9	12 - 7/8"	15.8
8"	219.1	380	260	222.2	41.3	330.2	12 - 1"	23.5
10"	273.0	445	321	277.4	47.7	387.4	16-1½"	36.3
12"	323.8	520	375	328.2	50.8	450.8	16-1¾"	53.8

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Blind Flange

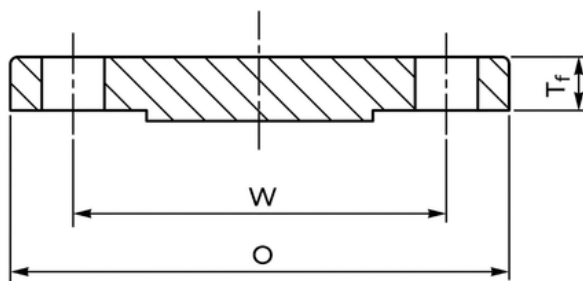
Description :

Blind Flanges are manufactured without a centre bore and are used to blank off or terminate the end of a piping system. They provide a secure pressure-tight seal and are commonly used for pressure testing, pipeline isolation, and to allow easy access for inspection, maintenance and cleaning of the system.



Specifications :

Size	1/2" to 12" (DN15 to DN300)
Certificate	ISO
Standard	ASME B16.5
Material	Forged steel as ASTM A105 Steel plate as ASTM A515 Gr.70
Pressure Rating	Class 150 / Class 300
Flange Facing	FF / RF / MF / TG / RJ
Finish	Oiled / Galvanized



Product Dimensions for Class 150 :

Size		Outside Diameter	Min Flange Thickness	Bolt Circle Diameter	Bolting	Weight
NPS	OD(mm)	O (mm)	Tf (mm)	W (mm)	No. Of holes	(kg)
1/2"	21.3	90	9.6	60.3	4 - 5/8"	0.43
3/4"	26.7	100	11.2	69.9	4 - 5/8"	0.64
1"	33.4	110	12.7	79.4	4 - 5/8"	0.9
1-1/4"	42.2	115	14.3	88.9	4 - 5/8"	1.13
1-1/2"	48.3	125	15.9	98.4	4 - 5/8"	1.5
2"	60.3	150	17.5	120.7	4 - 3/4"	2.38
2-1/2"	73.0	180	20.7	139.7	4 - 3/4"	4.09
3"	88.9	190	22.3	152.4	4 - 3/4"	4.96
4"	114.3	230	22.3	190.5	8 - 3/4"	7.18
5"	141.3	255	22.3	215.9	8 - 7/8"	8.83
6"	168.3	280	23.9	241.3	8 - 7/8"	11.6
8"	219.1	345	27.0	298.5	8 - 7/8"	20.1
10"	273.0	405	28.6	362.0	12 - 1"	28.8
12"	323.8	485	30.2	431.8	12 - 1"	44.1

Product Dimensions for Class 300:

Size		Outside Diameter	Min Flange Thickness	Bolt Circle Diameter	Bolting	Weight
NPS	OD(mm)	O (mm)	Tf (mm)	W (mm)	No. Of holes	(kg)
1/2"	21.3	95	12.7	66.7	4 - 5/8"	0.64
3/4"	26.7	115	14.3	82.6	4 - 3/4"	1.06
1"	33.4	125	15.9	88.9	4 - 3/4"	1.42
1-1/4"	42.2	135	17.5	98.4	4 - 3/4"	1.86
1-1/2"	48.3	155	19.1	114.3	4 - 7/8"	2.67
2"	60.3	165	20.7	127.0	8 - 3/4"	3.21
2-1/2"	73.0	190	23.9	149.2	8 - 7/8"	4.88
3"	88.9	210	27.0	168.3	8 - 7/8"	6.90
4"	114.3	255	30.2	200.0	8 - 7/8"	11.7
5"	141.3	280	33.4	235.0	8 - 7/8"	15.8
6"	168.3	320	35.0	269.9	12 - 7/8"	21.4
8"	219.1	380	39.7	330.2	12 - 1"	34.3
10"	273.0	445	46.1	387.4	16-1 1/8"	53.8
12"	323.8	520	49.3	450.8	16-1 1/4"	79.0

BLAZETECH SYSTEMS LTD.

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PRECISION YOU CAN TRUST
06/06

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