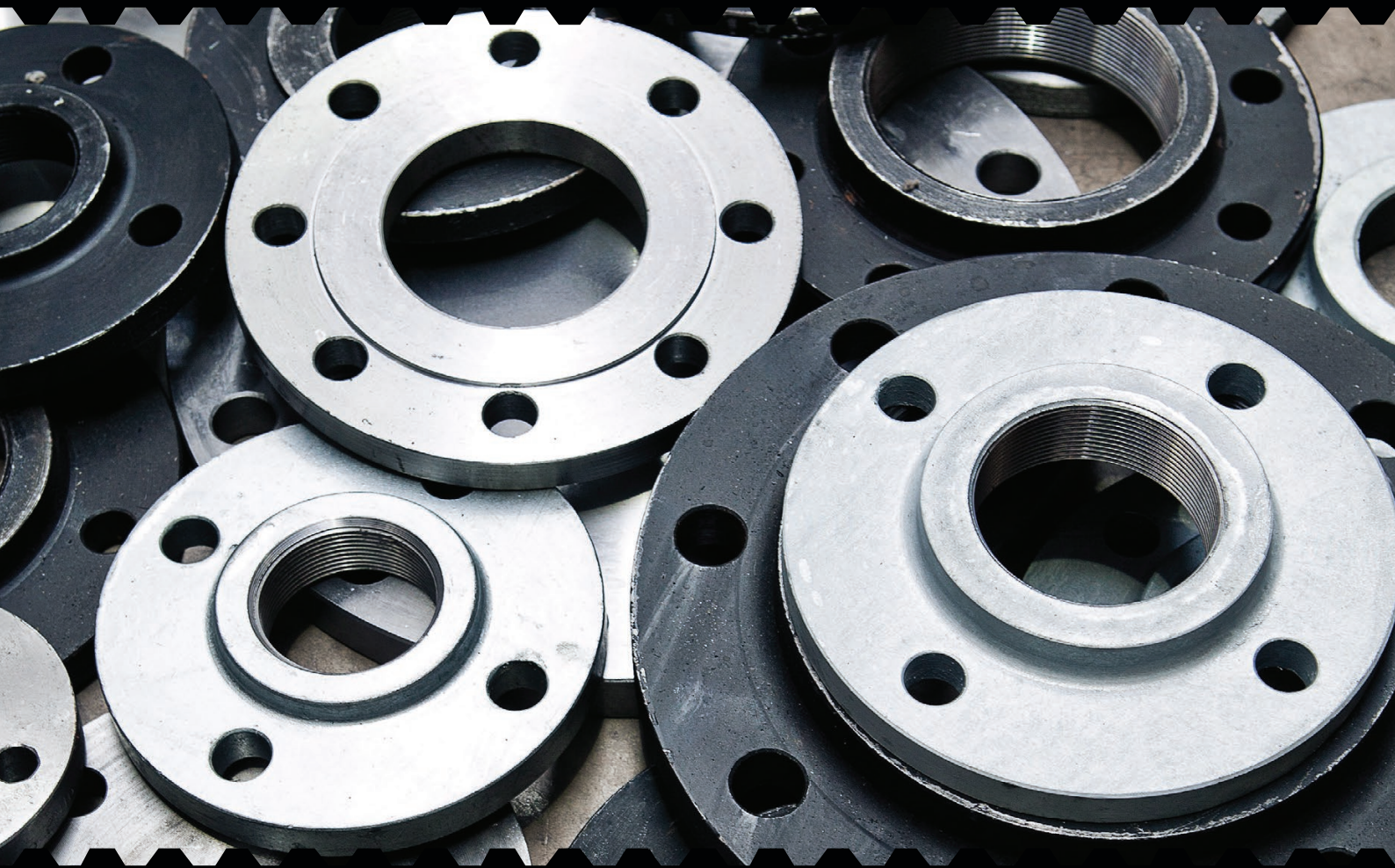


Butt Weld Fittings & Flanges



Keeping the art of distribution simple

Weld Fittings & Flanges

Shawston offer a comprehensive range of Butt Weld Fittings to both BS1965 and ASTM A234 WPB (formerly BS1640). Our Flange range conforms to both EN 1092-1 (BS4504) and BS10:1962.

All our products are available on a next day basis throughout the UK, distributed from our nationwide branches on our own vehicle fleet.

BS1965 Heavy Weight Fittings

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A234/WPB (BS1640) Sch 20 Fittings

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A234/WPB (BS1640) Std Weight Fittings

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A234/WPB (BS1640) Data Table

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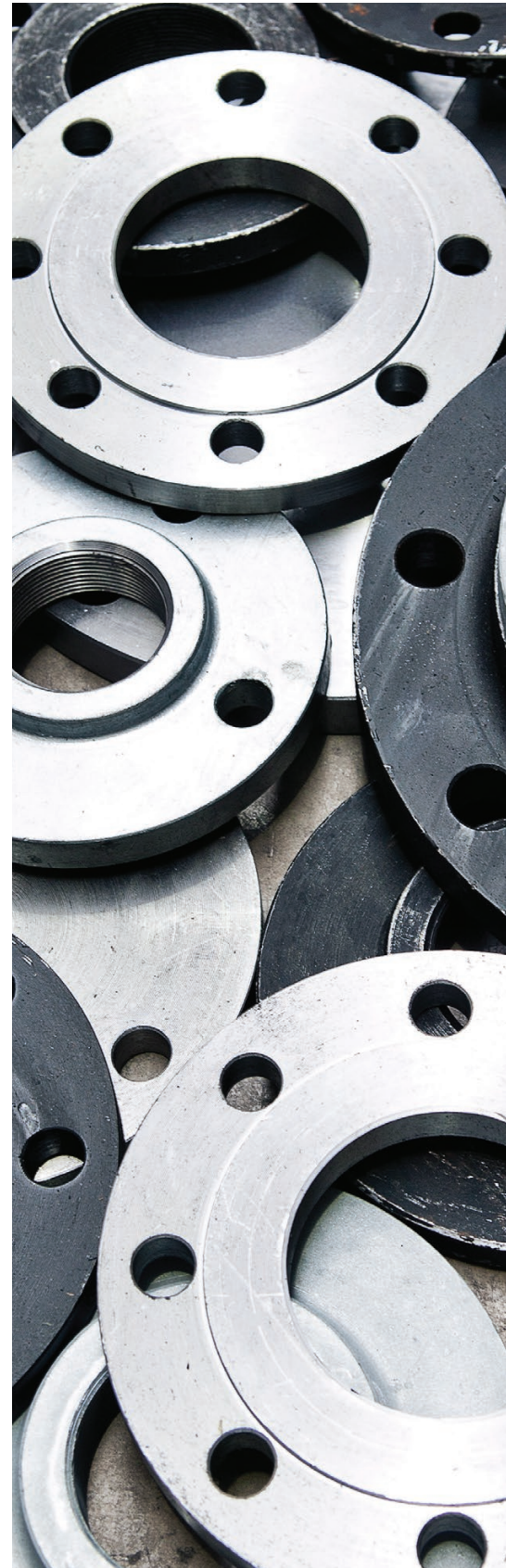
Flanges & Joint Rings

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Flange Tables

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Heavy Weight Weld Fittings to BS1965

Heavy Long Radius 90° Weld Elbows



Heavy Short Radius 90° Weld Elbows



Heavy Long Radius 45° Weld Elbows



CODE	Size (mm)
HLRE020	20
HLRE025	25
HLRE032	32
HLRE040	40
HLRE050	50
HLRE065	65
HLRE080	80
HLRE100	100
HLRE125	125
HLRE150	150

CODE	Size (mm)
HSRE020	20
HSRE025	25
HSRE032	32
HSRE040	40
HSRE050	50
HSRE065	65
HSRE080	80
HSRE100	100
HSRE125	125
HSRE150	150

CODE	Size (mm)
HE45020	20
HE45025	25
HE45032	32
HE45040	40
HE45050	50
HE45065	65
HE45080	80
HE45100	100
HE45125	125
HE45150	150

Heavy Weight Weld Fittings to BS1965

Heavy Weld Tees Equal



Heavy Concentric Weld Reducers



CODE	Size (mm)
HWT020	20
HWT025	25
HWT032	32
HWT040	40
HWT050	50
HWT065	65
HWT080	80
HWT100	100
HWT125	125
HWT150	150

CODE	Size (mm)
CWR020X015	20 x 15
CWR025X015	25 x 15
CWR025X020	25 x 20
CWR032X015	32 x 15
CWR032X020	32 x 20
CWR032X025	32 x 25
CWR040X015	40 x 15
CWR040X020	40 x 20
CWR040X025	40 x 25
CWR040X032	40 x 32
CWR050X015	50 x 15
CWR050X020	50 x 20
CWR050X025	50 x 25
CWR050X032	50 x 32
CWR050X040	50 x 40
CWR065X025	65 x 25
CWR065X032	65 x 32
CWR065X040	65 x 40
CWR065X050	65 x 50
CWR080X025	80 x 25
CWR080X032	80 x 32

CODE	Size (mm)
CWR080X040	80 x 40
CWR080X050	80 x 50
CWR080X065	80 x 65
CWR100X025	100 x 25
CWR100X032	100 x 32
CWR100X040	100 x 40
CWR100X050	100 x 50
CWR100X065	100 x 65
CWR100X080	100 x 80
CWR125X050	125 x 50
CWR125X065	125 x 65
CWR125X080	125 x 80
CWR125X100	125 x 100
CWR150X050	150 x 50
CWR150X065	150 x 65
CWR150X080	150 x 80
CWR150X100	150 x 100
CWR150X125	150 x 125

Heavy Weight Weld Fittings to BS1965

Heavy Eccentric Weld Reducers



Heavy Weld Caps



CODE	Size (mm)
EWRO20X015	20 x 15
EWRO25X015	25 x 15
EWRO25X020	25 x 20
EWRO32X015	32 x 15
EWRO32X020	32 x 20
EWRO32X025	32 x 25
EWRO40X015	40 x 15
EWRO40X020	40 x 20
EWRO40X025	40 x 25
EWRO40X032	40 x 32
EWRO50X020	50 x 20
EWRO50X025	50 x 25
EWRO50X032	50 x 32
EWRO50X040	50 x 40
EWRO65X025	65 x 25
EWRO65X032	65 x 32
EWRO65X040	65 x 40
EWRO65X050	65 x 50
EWRO80X025	80 x 25
EWRO80X032	80 x 32
EWRO80X040	80 x 40

CODE	Size (mm)
EWRO80X050	80 x 50
EWRO80X065	80 x 65
EWRI00X025	100 x 25
EWRI00X032	100 x 32
EWRI00X040	100 x 40
EWRI00X050	100 x 50
EWRI00X065	100 x 65
EWRI00X080	100 x 80
EWRI25X050	125 x 50
EWRI25X065	125 x 65
EWRI25X080	125 x 80
EWRI25X100	125 x 100
EWRI50X050	150 x 50
EWRI50X065	150 x 65
EWRI50X080	150 x 80
EWRI50X100	150 x 100
EWRI50X125	150 x 125

CODE	Size (mm)
WCA025	25
WCA032	32
WCA040	40
WCA050	50
WCA065	65
WCA080	80
WCA100	100
WCA125	125
WCA150	150

Heavy Weight Weld Fittings to BS1965

Heavy Weld Branch Bends



CODE	Size (mm)
HBB25x25	25 on 25
HBB25x32	25 on 32
HBB25x40	25 on 40
HBB25x50	25 on 50
HBB25x65	25 on 65
HBB25x80	25 on 80
HBB32x100	32 on 100
HBB32x150	32 on 150
HBB32x32	32 on 32
HBB32x40	32 on 40
HBB32x50	32 on 50
HBB32x65	32 on 65
HBB32x80	32 on 80
HBB40x100	40 on 100
HBB40x125	40 on 125
HBB40x40	40 on 40
HBB40x50	40 on 50
HBB40x65	40 on 65
HBB40x80	40 on 80
HBB50x100	50 on 100
HBB50x125	50 on 125
HBB50x150	50 on 150
HBB50x50	50 on 50
HBB50x65	50 on 65

CODE	Size (mm)
HBB50x80	50 on 80
HBB65x100	65 on 100
HBB65x125	65 on 125
HBB65x150	65 on 150
HBB65x200	65 on 200
HBB65x65	65 on 65
HBB65x80	65 on 80
HBB80x100	80 on 100
HBB80x125	80 on 125
HBB80x150	80 on 150
HBB80x80	80 on 80
HBB100x100	100 on 100
HBB100x125	100 on 125
HBB100x150	100 on 150
HBB100x200	100 on 200
HBB125x125	125 on 125
HBB125x150	125 on 150
HBB125x200	125 on 200
HBB125x250	125 on 250
HBB150x150	150 on 150
HBB150x200	150 on 200
HBB150x250	150 on 250
HBB150x300	150 on 300

A234/WPB (BS1640) Sch 20 Fittings

Sch 20 Long Radius 90° Weld Elbows



CODE	Size (mm)
SCH20LRE200	200
SCH20LRE250	250
SCH20LRE300	300

Sch 20 Long Radius 45° Weld Elbows



CODE	Size (mm)
SCH20LR45200	200
SCH20LR45250	250
SCH20LR45300	300

Sch 20 Short Radius 90° Weld Elbows



CODE	Size (mm)
SCH20SRE200	200
SCH20SRE250	250
SCH20SRE300	300

Sch 20 Equal Weld Tees



CODE	Size (mm)
SCH20WT200	200
SCH20WT250	250
SCH20WT300	300

A234/WPB (BS1640) Sch 20 Fittings

Sch 20 Concentric Weld Reducers



CODE	Size (mm)
SCH20CWR200X80	200 x 80
SCH20CWR200X100	200 x 100
SCH20CWR200X125	200 x 125
SCH20CWR200X150	200 x 150
SCH20CWR250X100	250 x 100
SCH20CWR250X125	250 x 125
SCH20CWR250X150	250 x 150
SCH20CWR250X200	250 x 200
SCH20CWR300X100	300 x 100
SCH20CWR300X125	300 x 125
SCH20CWR300X150	300 x 150
SCH20CWR300X200	300 x 200
SCH20CWR300X250	300 x 250

Sch 20 Eccentric Weld Reducers



CODE	Size (mm)
SCH20EWR200X80	200 x 80
SCH20EWR200X100	200 x 100
SCH20EWR200X125	200 x 125
SCH20EWR200X150	200 x 150
SCH20EWR250X100	250 x 100
SCH20EWR250X125	250 x 125
SCH20EWR250X150	250 x 150
SCH20EWR250X200	250 x 200
SCH20EWR300X100	300 x 100
SCH20EWR300X125	300 x 125
SCH20EWR300X150	300 x 150
SCH20EWR300X200	300 x 200
SCH20EWR300X250	300 x 250

Sch 20 Weld Caps



CODE	Size (mm)
SCH20WC200	200
SCH20WC250	250
SCH20WC300	300

A234/WPB (BS1640) Std Weight Fittings

Std Weight Long Radius 90° Weld Elbows



Std Weight Short Radius 90° Weld Elbows



Std Weight Long Radius 45° Weld Elbows



CODE	Size (mm)
STDLRE015	15
STDLRE020	20
STDLRE025	25
STDLRE032	32
STDLRE040	40
STDLRE050	50
STDLRE065	65
STDLRE080	80
STDLRE100	100
STDLRE125	125
STDLRE150	150
STDLRE200	200
STDLRE250	250
STDLRE300	300

CODE	Size (mm)
STDSRE025	25
STDSRE032	32
STDSRE040	40
STDSRE050	50
STDSRE065	65
STDSRE080	80
STDSRE100	100
STDSRE125	125
STDSRE150	150
STDSRE200	200
STDSRE250	250
STDSRE300	300

CODE	Size (mm)
STDLRE45015	15
STDLRE45020	20
STDLRE45025	25
STDLRE45032	32
STDLRE45040	40
STDLRE45050	50
STDLRE45065	65
STDLRE45080	80
STDLRE45100	100
STDLRE45125	125
STDLRE45150	150
STDLRE45200	200
STDLRE45250	250
STDLRE45300	300

A234/WPB (BS1640) Std Weight Fittings

Std Weight Equal Weld Tees



Std Weight Concentric Weld Reducers



CODE	Size (mm)
STDWT015	15
STDWT020	20
STDWT025	25
STDWT032	32
STDWT040	40
STDWT050	50
STDWT065	65
STDWT080	80
STDWT100	100
STDWT125	125
STDWT150	150
STDWT200	200
STDWT250	250

CODE	Size (mm)
STDCWR020X015	20 x 15
STDCWR025X015	25 x 15
STDCWR025X020	25 x 20
STDCWR032X015	32 x 15
STDCWR032X020	32 x 20
STDCWR032X025	32 x 25
STDCWR040X015	40 x 15
STDCWR040X020	40 x 20
STDCWR040X025	40 x 25
STDCWR040X032	40 x 32
STDCWR050X015	50 x 15
STDCWR050X020	50 x 20
STDCWR050X025	50 x 25
STDCWR050X032	50 x 32
STDCWR050X040	50 x 40
STDCWR065X025	65 x 25
STDCWR065X032	65 x 32
STDCWR065X040	65 x 40
STDCWR065X050	65 x 50
STDCWR080X025	80 x 25
STDCWR080X032	80 x 32
STDCWR080X040	80 x 40
STDCWR080X050	80 x 50
STDCWR080X065	80 x 65
STDCWR100X025	100 x 25

CODE	Size (mm)
STDCWR100X032	100 x 32
STDCWR100X040	100 x 40
STDCWR100X050	100 x 50
STDCWR100X065	100 x 65
STDCWR100X080	100 x 80
STDCWR125X050	125 x 50
STDCWR125X065	125 x 65
STDCWR125X080	125 x 80
STDCWR125X100	125 x 100
STDCWR150X050	150 x 50
STDCWR150X065	150 x 65
STDCWR150X080	150 x 80
STDCWR150X100	150 x 100
STDCWR150X125	150 x 125
STDCWR200X080	200 x 80
STDCWR200X100	200 x 100
STDCWR200X125	200 x 125
STDCWR200X150	200 x 150
STDCWR250X100	250 x 100
STDCWR250X125	250 x 125
STDCWR250X150	250 x 150
STDCWR250X200	250 x 200
STDCWR300X150	300 x 150
STDCWR300X200	300 x 200
STDCWR300X250	300 x 250

A234/WPB (BS1640) Std Weight Fittings

Std Weight Eccentric Weld Reducers



Std Weight Weld Caps



CODE	Size (mm)
STDEWR020X015	20 x 15
STDEWR025X015	25 x 15
STDEWR025X020	25 x 20
STDEWR032X015	32 x 15
STDEWR032X020	32 x 20
STDEWR032X025	32 x 25
STDEWR040X015	40 x 15
STDEWR040X020	40 x 20
STDEWR040X025	40 x 25
STDEWR040X032	40 x 32
STDEWR050X015	50 x 15
STDEWR050X020	50 x 20
STDEWR050X025	50 x 25
STDEWR050X032	50 x 32
STDEWR050X040	50 x 40
STDEWR065X025	65 x 25
STDEWR065X032	65 x 32
STDEWR065X040	65 x 40
STDEWR065X050	65 x 50
STDEWR080X025	80 x 25
STDEWR080X032	80 x 32
STDEWR080X040	80 x 40
STDEWR080X050	80 x 50
STDEWR080X065	80 x 65
STDEWR100X025	100 x 25

CODE	Size (mm)
STDEWR100X032	100 x 32
STDEWR100X040	100 x 40
STDEWR100X050	100 x 50
STDEWR100X065	100 x 65
STDEWR100X080	100 x 80
STDEWR125X050	125 x 50
STDEWR125X065	125 x 65
STDEWR125X080	125 x 80
STDEWR125X100	125 x 100
STDEWR150X050	150 x 50
STDEWR150X065	150 x 65
STDEWR150X080	150 x 80
STDEWR150X100	150 x 100
STDEWR150X125	150 x 125
STDEWR200X100	200 x 100
STDEWR200X125	200 x 125
STDEWR200X150	200 x 150
STDEWR250X125	250 x 125
STDEWR250X150	250 x 150
STDEWR250X200	250 x 200
STDEWR300X150	300 x 150
STDEWR300X200	300 x 200
STDEWR300X250	300 x 250

CODE	Size (mm)
STDWC015	15
STDWC020	20
STDWC025	25
STDWC032	32
STDWC040	40
STDWC050	50
STDWC065	65
STDWC080	80
STDWC100	100
STDWC125	125
STDWC150	150
STDWC200	200
STDWC250	250
STDWC300	300

A234/WPB (BS1640) Data Table

A234/WPB (BS1640) Weight & Sch Fittings

SCHEDULE	NOMINAL BORE		OUTSIDE DIAMETER		WALL THICKNESS	
	INCHES	MM	INCHES	MM	INCHES	MM
Std	½	15	0.840	21.30	0.109	2.77
Std	¾	20	1.020	26.70	0.113	2.87
Std	1	25	1.315	33.40	0.133	3.38
Std	1 ¼	32	1.660	42.20	0.140	3.56
Std	1 ½	40	1.900	48.30	0.145	3.68
Std	2	50	2.375	60.30	0.154	3.91
Std	2 ½	65	2.875	73.03	0.203	5.15
Std	3	80	3.500	88.90	0.216	5.49
Std	4	100	4.500	114.30	0.237	6.02
Std	5	125	5.563	141.30	0.258	6.55
Std	6	150	6.625	168.30	0.280	7.11
Std	8	200	8.625	219.10	0.322	8.18
Sch 20	8	200	8.625	219.10	0.250	6.35
Std	10	250	10.750	273.10	0.365	9.27
Sch 20	10	250	10.750	273.10	0.250	6.35
Std	12	300	12.750	323.90	0.375	9.52
Sch 20	12	300	12.750	323.90	0.250	6.35
Std	14	350	14.000	355.60	0.375	9.52
Sch 20	14	350	14.000	355.60	0.312	7.92
Std	16	400	16.000	406.40	0.375	9.52
Sch 20	16	400	16.000	406.40	0.312	7.92
Std	18	450	18.000	457.00	0.375	9.52
Sch 20	18	450	18.000	457.00	0.312	7.92
Std	20	500	20.000	508.00	0.375	9.52
Sch 20	20	500	20.000	508.00	0.375	9.52
Std	24	600	24.000	610.00	0.375	9.52
Sch 20	24	600	24.000	610.00	0.375	9.52
Std	28	700	28.000	711.00	0.375	9.52
Sch 20	28	700	28.000	711.00	0.500	12.7
Std	30	750	30.000	762.00	0.375	9.52
Sch 20	30	750	30.000	762.00	0.500	12.7

Flanges & Joint Rings

PN16/101 (16/3) Slip On Plate Flanges



PN16/105 (16/8) Blank Flanges



PN16/113 (16/4) Screwed Flanges



CODE	Size (mm)
16/3015	15
16/3020	20
16/3025	25
16/3032	32
16/3040	40
16/3050	50
16/3065	65
16/3080	80
16/3100	100
16/3125	125
16/3150	150
16/3200	200
16/3250	250
16/3300	300
16/3350	350
16/3400	400

CODE	Size (mm)
16/8015	15
16/8020	20
16/8025	25
16/8032	32
16/8040	40
16/8050	50
16/8065	65
16/8080	80
16/8100	100
16/8125	125
16/8150	150
16/8200	200
16/8250	250
16/8300	300
16/8350	350

CODE	Size (mm)
16/4015	15
16/4020	20
16/4025	25
16/4032	32
16/4040	40
16/4050	50
16/4065	65
16/4080	80
16/4100	100
16/4125	125
16/4150	150

Flanges & Joint Rings

Galvanised PN16/113 (16/4) Screwed Flanges



PN6/113 (6/4) Screwed Flanges



Galvanised PN6/113 (6/4) Screwed Flanges



CODE	Size (mm)
16/4G015	15
16/4G020	20
16/4G025	25
16/4G032	32
16/4G040	40
16/4G050	50
16/4G065	65
16/4G080	80
16/4G100	100
16/4G125	125
16/4G150	150

CODE	Size (mm)
6/4015	15
6/4020	20
6/4025	25
6/4032	32
6/4040	40
6/4050	50
6/4065	65
6/4080	80
6/4100	100
6/4125	125
6/4150	150

CODE	Size (mm)
6/4G015	15
6/4G020	20
6/4G025	25
6/4G032	32
6/4G040	40
6/4G050	50
6/4G065	65
6/4G080	80
6/4G100	100
6/4G125	125
6/4G150	150

Flanges & Joint Rings

PN16/115 (16/5) Slip On Bossed Flanges



CODE	Size (mm)
16/5015	15
16/5020	20
16/5025	25
16/5032	32
16/5040	40
16/5050	50
16/5065	65
16/5080	80
16/5100	100
16/5125	125
16/5150	150 6- $\frac{3}{4}$ (168)
16/5165	150 6- $\frac{1}{2}$ (165)
16/5200	200
16/5250	250
16/5300	300

PN6/112 (6/5) Slip On Bossed Flanges



CODE	Size (mm)
6/5015	15
6/5020	20
6/5025	25
6/5032	32
6/5040	40
6/5050	50
6/5065	65
6/5080	80
6/5100	100
6/5125	125
6/5150	150
6/5200	200
6/5250	250
6/5300	300

PN16/111 (16/2) Weld Neck Flanges



CODE	Size (mm)
16/2015	15
16/2020	20
16/2025	25
16/2032	32
16/2040	40
16/2050	50
16/2065	65
16/2080	80
16/2100	100
16/2125	125
16/2150	150 6- $\frac{1}{2}$ (165)
16/2168	150 6- $\frac{3}{4}$ (168)
16/2200	200
16/2250	250
16/2300	300

Flanges & Joint Rings

Bi Metal Flange PN16



CODE	Size (mm)
BMF35PN16	35
BMF42PN16	42
BMF54PN16	54
BMF67PN16	67
BMF76PN16	76
BMF108PN16	108
BMF133PN16	133
BMF159PN16	159

PN16 Full Face Rubber Gaskets - EPDM



CODE	Size (mm)
FULLFACE025	25
FULLFACE032	32
FULLFACE040	40
FULLFACE050	50
FULLFACE065	65
FULLFACE080	80
FULLFACE100	100
FULLFACE125	125
FULLFACE150	150
FULLFACE200	200
FULLFACE250	250
FULLFACE300	300
FULLFACE350	350
FULLFACE400	400

PN16 IBC Rubber Gaskets - EPDM



CODE	Size (mm)
RUBGAS015	15
RUBGAS020	20
RUBGAS025	25
RUBGAS040	40
RUBGAS050	50
RUBGAS065	65
RUBGAS080	80
RUBGAS100	100
RUBGAS125	125
RUBGAS150	150
RUBGAS200	200
RUBGAS250	250
RUBGAS300	300
RUBGAS350	350
RUBGAS400	400

Flanges & Joint Rings

PN16 IBC SUPRA Asbestos Free Gaskets to BS7531



PN6 IBC SUPRA Asbestos Free Gaskets to BS7531



PN16 Brass Taylor Rings



CODE	Size (mm)
JRN15	15
JRN20	20
JRN25	25
JRN32	32
JRN40	40
JRN50	50
JRN65	65
JRN80	80
JRN100	100
JRN125	125
JRN150	150
JRN200	200
JRN250	250
JRN300	300
JRN350	350

CODE	Size (mm)
JRN15PN6	15
JRN20PN6	20
JRN25PN6	25
JRN32PN6	32
JRN40PN6	40
JRN50PN6	50
JRN65PN6	65
JRN80PN6	80
JRN100PN6	100
JRN125PN6	125
JRN150PN6	150
JRN200PN6	200
JRN250PN6	250
JRN300PN6	300
JRN350PN6	350

CODE	Size (mm)
BRASSRING015	15
BRASSRING020	20
BRASSRING025	25
BRASSRING032	32
BRASSRING040	40
BRASSRING050	50
BRASSRING065	65
BRASSRING080	80
BRASSRING100	100
BRASSRING125	125
BRASSRING150	150

Flange Tables

EN1092-1/BS4504 PN6

Nominal Bore (mm)	Flange Dia. (mm)	Thickness (mm)	Length & Diameter of Bolts	No. of Holes	P.C.D. (mm)
15	80	12	M10 x 40	4	55
20	90	14	M10 x 45	4	65
25	100	14	M10 x 45	4	75
32	120	14	M12 x 50	4	90
40	130	14	M12 x 50	4	100
50	140	14	M12 x 50	4	110
65	160	14	M12 x 50	4	130
80	190	16	M16 x 60	4	150
100	210	16	M16 x 60	4	170
125	240	18	M16 x 60	8	200
150	265	18	M16 x 60	8	225
200	320	20	M16 x 65	8	280
250	375	22	M16 x 70	12	335
300	440	22	M20 x 70	12	395

EN1092-1/BS4504 PN10

Nominal Bore (mm)	Flange Dia. (mm)	Thickness (mm)	Length & Diameter of Bolts	No. of Holes	P.C.D. (mm)
15	95	14	M12 x 45	4	65
20	105	16	M12 x 50	4	75
25	115	16	M12 x 50	4	85
32	140	16	M16 x 60	4	100
40	150	16	M16 x 60	4	110
50	165	18	M16 x 60	4	125
65	185	18	M16 x 60	4	145
80	200	20	M16 x 65	8	160
100	220	20	M16 x 70	8	180
125	250	22	M16 x 70	8	210
150	285	22	M20 x 70	8	240
200	340	24	M20 x 80	8	295
250	395	26	M20 x 80	12	350
300	445	26	M20 x 80	12	400

EN1092-1/BS4504 PN16

Nominal Bore (mm)	Flange Dia. (mm)	Thickness (mm)	Length & Diameter of Bolts	No. of Holes	P.C.D. (mm)
15	95	14	M12 x 45	4	65
20	105	16	M12 x 50	4	75
25	115	16	M12 x 50	4	85
32	140	16	M16 x 60	4	100
40	150	16	M16 x 60	4	110
50	165	18	M16 x 60	4	125
65	185	18	M16 x 60	4	145
80	200	20	M16 x 65	8	160
100	220	20	M16 x 70	8	180
125	250	22	M16 x 70	8	210
150	285	22	M20 x 70	8	240
200	340	24	M20 x 90	12	295
250	405	26	M24 x 90	12	355
300	460	28	M24 x 90	12	410

EN1092-1/BS4504 PN25

Nominal Bore (mm)	Flange Dia. (mm)	Thickness (mm)	Length & Diameter of Bolts	No. of Holes	P.C.D. (mm)
15	95	16	M12 x 50	4	65
20	105	18	M12 x 55	4	75
25	115	18	M12 x 55	4	85
32	140	18	M16 x 60	4	100
40	150	18	M16 x 60	4	110
50	165	20	M16 x 65	4	125
65	185	22	M16 x 70	8	145
80	200	24	M16 x 70	8	160
100	235	24	M20 x 80	8	190
125	270	26	M24 x 85	8	220
150	300	28	M24 x 100	8	250
200	360	32	M24 x 100	12	310
250	425	40	M27 x 100	12	370
300	485	48	M27 x 110	16	430

Flange Tables

EN1092-1/BS4504 PN40

Nominal Bore (mm)	Flange Dia. (mm)	Thickness (mm)	Length & Diameter of Bolts	No. of Holes	P.C.D. (mm)
15	95	16	M12 x 50	4	65
20	105	18	M12 x 55	4	75
25	115	18	M12 x 55	4	85
32	140	18	M16 x 60	4	100
40	150	18	M16 x 60	4	110
50	165	20	M16 x 65	4	125
65	185	22	M16 x 70	8	145
80	200	24	M16 x 70	8	160
100	235	24	M20 x 80	8	190
125	270	26	M24 x 85	8	220
150	300	28	M24 x 100	8	250
200	375	32	M27 x 100	12	320
250	450	40	M30 x 110	12	385
300	515	48	M30 x 120	16	450

EN1092-1/BS4504 PN64

Nominal Bore (mm)	Flange Dia. (mm)	Thickness (mm)	Length & Diameter of Bolts	No. of Holes	P.C.D. (mm)
15	105	20	M12 x 65	4	75
20	130	22	M16 x 70	4	90
25	140	24	M16 x 75	4	100
32	155	24	M20 x 80	4	110
40	170	26	M20 x 85	4	125
50	180	26	M20 x 85	4	135
65	205	26	M20 x 85	8	160
80	215	30	M20 x 90	8	170
100	250	32	M24 x 95	8	200
125	295	34	M27 x 110	8	240
150	345	36	M30 x 115	8	280
200	415	46	M33 x 130	12	345
250	470	54	M33 x 140	12	400
300	530	62	M33 x 150	16	460

BS10 Table D

Nominal Bore (mm)	Flange Dia. (mm)	Thickness (mm)	Length & Diameter of Bolts	No. of Holes	P.C.D. (mm)
½	3 ¾	⅜	1 x ½	4	2 ⅝
¾	4	⅜	1 x ½	4	2 ⅞
1	4 ½	⅜	1 x ½	4	3 ¼
1 ¼	4 ¾	¼	1 ¼ x ½	4	3 ⅞
1 ½	5 ¼	¼	1 ¼ x ½	4	3 ⅞
2	6	⅝	1 ½ x ⅝	4	4 ½
2 ½	6 ½	⅝	1 ½ x ⅝	4	5
3	7 ¼	¾	1 ¾ x ⅝	4	5 ¾
4	8 ½	¾	1 ¾ x ⅝	4	7
5	10	½	2 x ⅝	8	8 ¼
6	11	½	2 x ⅝	8	9 ¼
8	13 ¼	½	2 x ⅝	8	11 ½
10	16	¾	2 ¼ x ¾	8	14
12	18	¾	2 ½ x ¾	12	16

BS10 Table E

Nominal Bore (mm)	Flange Dia. (mm)	Thickness (mm)	Length & Diameter of Bolts	No. of Holes	P.C.D. (mm)
½	3 ¾	¼	1 ¼ x ½	4	2 ⅝
¾	4	¼	1 ¼ x ½	4	2 ⅞
1	4 ½	⅝	1 ¼ x ½	4	3 ¼
1 ¼	4 ¾	⅝	1 ½ x ½	4	3 ⅞
1 ½	5 ¼	⅝	1 ½ x ½	4	3 ⅞
2	6	¾	1 ¾ x ⅝	4	4 ½
2 ½	6 ½	⅞	1 ¾ x ⅝	4	5
3	7 ¼	⅞	1 ¾ x ⅝	4	5 ¾
4	8 ½	½	2 x ⅝	8	7
5	10	⅝	2 x ⅝	8	8 ¼
6	11	⅞	2 x ¾	8	9 ¼
8	13 ¼	¾	2 x ¾	8	11 ½
10	16	¾	2 x ¾	12	14
12	18	1	3 ¼ x ¾	12	16

Flange Tables

BS10 Table F

Nominal Bore (mm)	Flange Dia. (mm)	Thickness (mm)	Length & Diameter of Bolts	No. of Holes	P.C.D. (mm)
½	3 ¾	¾	1 ½ x ½	4	2 ¾
¾	4	¾	1 ½ x ½	4	2 ¾
1	4 ¾	¾	1 ¾ x ¾	4	3 ⅞
1 ¼	5 ¼	½	1 ¾ x ¾	4	3 ⅞
1 ½	5 ½	½	2 x ¾	4	4 ½
2	6 ½	¾	2 ¼ x ¾	4	5
2 ½	7 ¼	¾	2 ¼ x ¾	8	5 ¾
3	8	¾	2 ¼ x 5/8	8	6 ½
4	9	¾	2 ½ x ¾	8	7 ½
5	11	¾	2 ¾ x ¾	8	9 ¼
6	12	¾	2 ¾ x ¾	12	10 ¼
8	14 ¼	1	3 x ¾	12	12 ¾
10	17	1 ¼	3 ¼ x ¾	12	15
12	19 ¼	1 ¼	3 ½ x ¾	16	17 ¼

BS10 Table H

Nominal Bore (mm)	Flange Dia. (mm)	Thickness (mm)	Length & Diameter of Bolts	No. of Holes	P.C.D. (mm)
½	4 ½	½	2 x ¾	4	3 ¼
¾	4 ½	½	2 x ¾	4	3 ¼
1	4 ¾	¾	2 x ¾	4	3 ⅞
1 ¼	5 ¼	¾	2 ¼ x ¾	4	3 ⅞
1 ½	5 ½	¾	2 ¼ x ¾	4	4 ½
2	6 ½	¾	2 ½ x ¾	4	5
2 ½	7 ¼	¾	2 ½ x ¾	8	5 ¾
3	8	¾	2 ¾ x ¾	8	6 ½
4	9	1	3 x ¾	8	7 ½
5	11	1 ¼	3 ¼ x ¾	8	9 ¼
6	12	1 ¼	3 ¼ x ¾	12	10 ¼
8	14 ½	1 ¼	3 ½ x ¾	12	12 ¾
10	17	1 ¾	4 x ¾	12	15
12	19 ¼	1 ¾	4 ¼ x ¾	16	17 ¼



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