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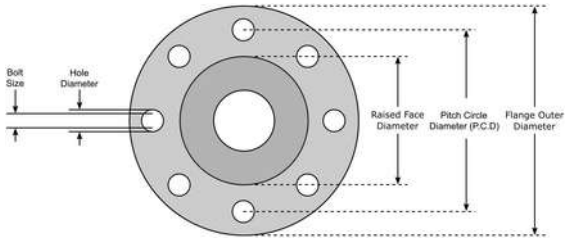
FLANGE TABLES
PN6, BS EN 1092-1

SIZE	OD	PCD	BOLTS	THICKNESS*	RAISED FACE DIAMETER	RAISED FACE HEIGHT
1/2" (DN15)	80mm	55mm	4 x M10	12mm	40mm	2mm
3/4" (DN20)	90mm	65mm	4 x M10	14mm	50mm	2mm
1" (DN25)	100mm	75mm	4 x M10	14mm	60mm	2mm
1 1/4" (DN32)	120mm	90mm	4 x M12	16mm	70mm	2mm
1 1/2" (DN40)	130mm	100mm	4 x M12	16mm	80mm	3mm
2" (DN50)	140mm	110mm	4 x M12	16mm	90mm	3mm
2 1/2" (DN65)	160mm	130mm	4 x M12	16mm	110mm	3mm
3" (DN80)	190mm	150mm	4 x M16	18mm	128mm	3mm
4" (DN100)	210mm	170mm	4 x M16	18mm	148mm	3mm
5" (DN125)	240mm	200mm	8 x M16	20mm	178mm	3mm
6" (DN150)	265mm	225mm	8 x M16	20mm	202mm	3mm
8" (DN200)	320mm	280mm	8 x M16	22mm	258mm	3mm
10" (DN250)	375mm	335mm	12 x M16	24mm	312mm	3mm
12" (DN300)	440mm	395mm	12 x M20	24mm	365mm	4mm



*Based on slip-on plate flanges.

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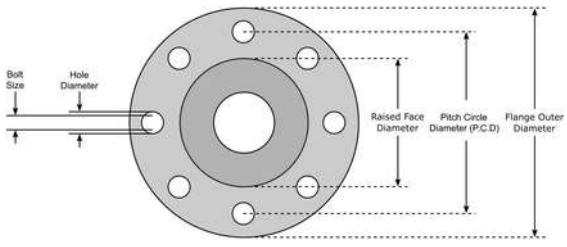
FLANGE TABLES
PN10, BS EN 1092-1

SIZE	OD	PCD	BOLTS	THICKNESS*	RAISED FACE DIAMETER	RAISED FACE HEIGHT
1/2" (DN15)	95mm	65mm	4 x M12	14mm	45mm	2mm
3/4" (DN20)	105mm	75mm	4 x M12	16mm	58mm	2mm
1" (DN25)	115mm	85mm	4 x M12	16mm	68mm	2mm
1 1/4" (DN32)	140mm	100mm	4 x M16	18mm	78mm	2mm
1 1/2" (DN40)	150mm	110mm	4 x M16	18mm	88mm	3mm
2" (DN50)	165mm	125mm	4 x M16	20mm	102mm	3mm
2 1/2" (DN65)	185mm	145mm	4 x M16	20mm	122mm	3mm
3" (DN80)	200mm	160mm	8x M16	20mm	138mm	3mm
4" (DN100)	220mm	180mm	8x M16	22mm	158mm	3mm
5" (DN125)	250mm	210mm	8 x M16	22mm	188mm	3mm
6" (DN150)	285mm	240mm	8 x M20	24mm	212mm	3mm
8" (DN200)	340mm	295mm	8 x M20	24mm	268mm	3mm
10" (DN250)	395mm	350mm	12 x M20	26mm	320mm	3mm
12" (DN300)	445mm	400mm	12 x M20	26mm	370mm	4mm



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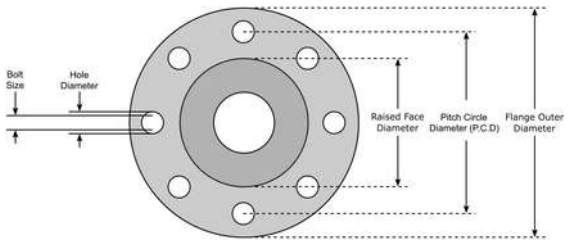
FLANGE TABLES
PN16, BS EN 1092-1

SIZE	OD	PCD	BOLTS	THICKNESS*	RAISED FACE DIAMETER	RAISED FACE HEIGHT
1/2" (DN15)	95mm	65mm	4 x M12	14mm	45mm	2mm
3/4" (DN20)	105mm	75mm	4 x M12	16mm	58mm	2mm
1" (DN25)	115mm	85mm	4 x M12	16mm	68mm	2mm
1 1/4" (DN32)	140mm	100mm	4 x M16	18mm	78mm	2mm
1 1/2" (DN40)	150mm	110mm	4 x M16	18mm	88mm	3mm
2" (DN50)	165mm	125mm	4 x M16	20mm	102mm	3mm
2 1/2" (DN65)	185mm	145mm	4 x M16	20mm	122mm	3mm
3" (DN80)	200mm	160mm	8x M16	20mm	138mm	3mm
4" (DN100)	220mm	180mm	8x M16	22mm	158mm	3mm
5" (DN125)	250mm	210mm	8 x M16	22mm	188mm	3mm
6" (DN150)	285mm	240mm	8 x M20	24mm	212mm	3mm
8" (DN200)	340mm	295mm	12 x M20	26mm	268mm	3mm
10" (DN250)	405mm	355mm	12 x M24	29mm	320mm	3mm
12" (DN300)	460mm	410mm	12 x M24	32mm	378mm	4mm



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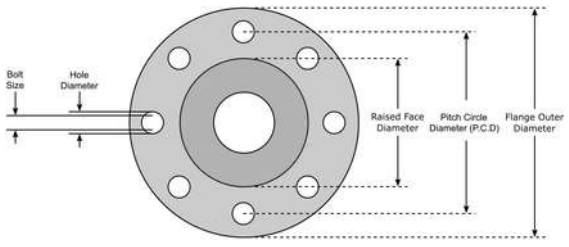
FLANGE TABLES
PN25, BS EN 1092-1

SIZE	OD	PCD	BOLTS	THICKNESS*	RAISED FACE DIAMETER	RAISED FACE HEIGHT
1/2" (DN15)	95mm	65mm	4 x M12	14mm	45mm	2mm
3/4" (DN20)	105mm	75mm	4 x M12	16mm	58mm	2mm
1" (DN25)	115mm	85mm	4 x M12	16mm	68mm	2mm
1 1/4" (DN32)	140mm	100mm	4 x M16	18mm	78mm	2mm
1 1/2" (DN40)	150mm	110mm	4 x M16	18mm	88mm	3mm
2" (DN50)	165mm	125mm	4 x M16	20mm	102mm	3mm
2 1/2" (DN65)	185mm	145mm	8 x M16	22mm	122mm	3mm
3" (DN80)	200mm	160mm	8x M16	24mm	138mm	3mm
4" (DN100)	235mm	190mm	8x M20	26mm	162mm	3mm
5" (DN125)	270mm	220mm	8 x M24	28mm	188mm	3mm
6" (DN150)	300mm	250mm	8 x M24	30mm	218mm	3mm
8" (DN200)	360mm	310mm	12 x M24	32mm	278mm	3mm
10" (DN250)	425mm	370mm	12 x M27	35mm	335mm	3mm
12" (DN300)	485mm	430mm	16 x M27	38mm	395mm	4mm



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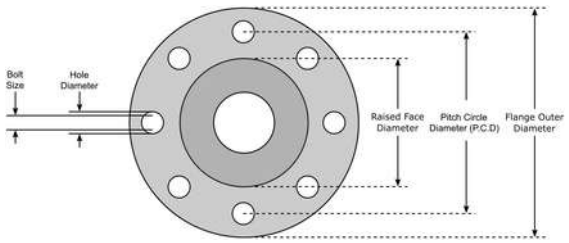
FLANGE TABLES
PN40, BS EN 1092-1

SIZE	OD	PCD	BOLTS	THICKNESS*	RAISED FACE DIAMETER	RAISED FACE HEIGHT
1/2" (DN15)	95mm	65mm	4 x M12	14mm	45mm	2mm
3/4" (DN20)	105mm	75mm	4 x M12	16mm	58mm	2mm
1" (DN25)	115mm	85mm	4 x M12	16mm	68mm	2mm
1 1/4" (DN32)	140mm	100mm	4 x M16	18mm	78mm	2mm
1 1/2" (DN40)	150mm	110mm	4 x M16	18mm	88mm	3mm
2" (DN50)	165mm	125mm	4 x M16	20mm	102mm	3mm
2 1/2" (DN65)	185mm	145mm	8 x M16	22mm	122mm	3mm
3" (DN80)	200mm	160mm	8x M16	24mm	138mm	3mm
4" (DN100)	235mm	190mm	8x M20	26mm	162mm	3mm
5" (DN125)	270mm	220mm	8 x M24	28mm	188mm	3mm
6" (DN150)	300mm	250mm	8 x M24	30mm	218mm	3mm
8" (DN200)	375mm	320mm	12 x M27	36mm	285mm	3mm
10" (DN250)	450mm	385mm	12 x M30	42mm	345mm	3mm
12" (DN300)	515mm	450mm	16 x M30	52mm	410mm	4mm



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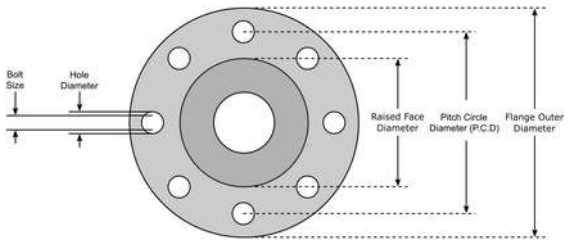
FLANGE TABLES
TABLE D, BS 10

SIZE	OD	PCD	BOLTS	THICKNESS*
1/2" (DN15)	95mm	67mm	4 x M12	5mm
3/4" (DN20)	102mm	73mm	4 x M12	5mm
1" (DN25)	114mm	83mm	4 x M12	5mm
1 1/4" (DN32)	121mm	87mm	4 x M12	6mm
1 1/2" (DN40)	133mm	98mm	4 x M12	6mm
2" (DN50)	152mm	114mm	4 x M16	8mm
2 1/2" (DN65)	165mm	127mm	4 x M16	8mm
3" (DN80)	184mm	146mm	4x M16	10mm
4" (DN100)	216mm	178mm	4x M16	10mm
5" (DN125)	254mm	210mm	8 x M16	13mm
6" (DN150)	279mm	235mm	8 x M16	13mm
8" (DN200)	337mm	292mm	8x M16	13mm
10" (DN250)	406mm	356mm	8 x M20	16mm
12" (DN300)	457mm	406mm	12 x M20	20mm



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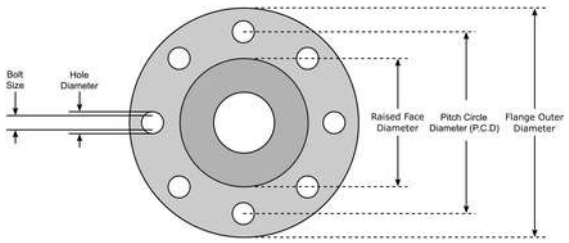
FLANGE TABLES
TABLE E, BS 10

SIZE	OD	PCD	BOLTS	THICKNESS*
1/2" (DN15)	95mm	67mm	4 x M12	6mm
3/4" (DN20)	102mm	73mm	4 x M12	6mm
1" (DN25)	114mm	83mm	4 x M12	7mm
1 1/4" (DN32)	121mm	87mm	4 x M12	8mm
1 1/2" (DN40)	133mm	98mm	4 x M12	9mm
2" (DN50)	152mm	114mm	4 x M16	10mm
2 1/2" (DN65)	165mm	127mm	4 x M16	10mm
3" (DN80)	184mm	146mm	4x M16	11mm
4" (DN100)	216mm	178mm	8x M16	13mm
5" (DN125)	254mm	210mm	8 x M16	14mm
6" (DN150)	279mm	235mm	8 x M20	18mm
8" (DN200)	337mm	292mm	8x M20	19mm
10" (DN250)	406mm	356mm	12 x M20	22mm
12" (DN300)	457mm	406mm	12 x M22	25mm



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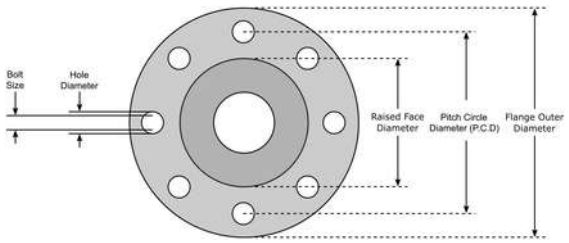
FLANGE TABLES
TABLE F, BS 10

SIZE	OD	PCD	BOLTS	THICKNESS*
1/2" (DN15)	95mm	67mm	4 x M12	10mm
3/4" (DN20)	102mm	73mm	4 x M12	10mm
1" (DN25)	121mm	87mm	4 x M16	10mm
1 1/4" (DN32)	133mm	98mm	4 x M14	13mm
1 1/2" (DN40)	140mm	105mm	4 x M16	13mm
2" (DN50)	165mm	127mm	4 x M16	16mm
2 1/2" (DN65)	184mm	145mm	8 x M16	16mm
3" (DN80)	203mm	165mm	8x M16	16mm
4" (DN100)	229mm	191mm	8x M16	19mm
5" (DN125)	279mm	235mm	8 x M20	22mm
6" (DN150)	305mm	260mm	12 x M20	22mm
8" (DN200)	368mm	324mm	12x M20	25mm
10" (DN250)	432mm	381mm	12 x M22	29mm
12" (DN300)	489mm	438mm	16 x M22	32mm



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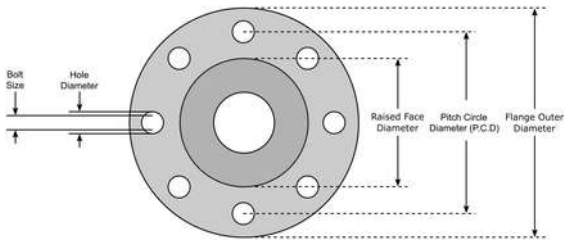
FLANGE TABLES
TABLE H, BS 10

SIZE	OD	PCD	BOLTS	THICKNESS*
1/2" (DN15)	114mm	83mm	4 x M16	13mm
3/4" (DN20)	114mm	83mm	4 x M16	13mm
1" (DN25)	121mm	87mm	4 x M16	14mm
1 1/4" (DN32)	133mm	98mm	4 x M14	17mm
1 1/2" (DN40)	140mm	105mm	4 x M16	17.5mm
2" (DN50)	165mm	127mm	4 x M16	19mm
2 1/2" (DN65)	184mm	145mm	8 x M16	19mm
3" (DN80)	203mm	165mm	8x M16	22mm
4" (DN100)	229mm	191mm	8x M16	25mm
5" (DN125)	279mm	235mm	8 x M20	29mm
6" (DN150)	305mm	260mm	12 x M20	29mm
8" (DN200)	368mm	324mm	12x M20	32mm
10" (DN250)	432mm	381mm	12 x M22	35mm
12" (DN300)	489mm	438mm	16 x M22	41mm



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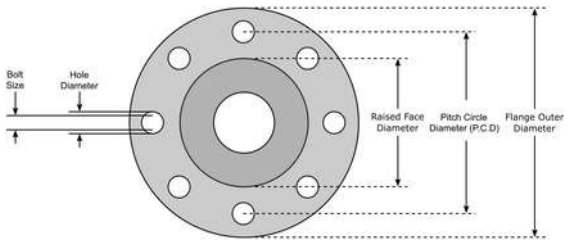
FLANGE TABLES
CLASS 150, ASME B16.5

SIZE	OD	PCD	BOLTS	THICKNESS*	RAISED FACE DIAMETER	RAISED FACE HEIGHT
1/2" (DN15)	89mm	60mm	4 x M14	11.2mm	35mm	2mm
3/4" (DN20)	98mm	70mm	4 x M14	12.7mm	43mm	2mm
1" (DN25)	108mm	79mm	4 x M14	14.2mm	51mm	2mm
1 1/4" (DN32)	117mm	89mm	4 x M14	15.7mm	64mm	2mm
1 1/2" (DN40)	127mm	98mm	4 x M14	17.5mm	73mm	2mm
2" (DN50)	152mm	121mm	4 x M16	19.1mm	92mm	2mm
2 1/2" (DN65)	178mm	140mm	4 x M16	22.4mm	105mm	2mm
3" (DN80)	191mm	152mm	4 x M16	23.9mm	127mm	2mm
4" (DN100)	229mm	191mm	8 x M16	23.9mm	157mm	2mm
5" (DN125)	254mm	216mm	8 x M20	23.9mm	186mm	2mm
6" (DN150)	279mm	241mm	8 x M20	25.4mm	216mm	2mm
8" (DN200)	343mm	298mm	8 x M20	28.4mm	270mm	2mm
10" (DN250)	406mm	362mm	12 x M24	30.2mm	324mm	2mm
12" (DN300)	483mm	432mm	12 x M24	31.8mm	381mm	2mm



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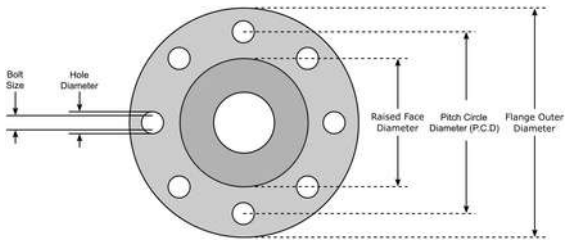
FLANGE TABLES
CLASS 300, ASME B16.5

SIZE	OD	PCD	BOLTS	THICKNESS*	RAISED FACE DIAMETER	RAISED FACE HEIGHT
1/2" (DN15)	95mm	67mm	4 x M14	14.2mm	35mm	2mm
3/4" (DN20)	117mm	83mm	4 x M16	15.7mm	43mm	2mm
1" (DN25)	124mm	89mm	4 x M16	17.5mm	51mm	2mm
1 1/4" (DN32)	133mm	98mm	4 x M16	19.1mm	64mm	2mm
1 1/2" (DN40)	156mm	114mm	4 x M20	20.6mm	73mm	2mm
2" (DN50)	165mm	127mm	4 x M16	22.4mm	92mm	2mm
2 1/2" (DN65)	191mm	149mm	8 x M20	25.4mm	105mm	2mm
3" (DN80)	210mm	168mm	8 x M20	28.4mm	127mm	2mm
4" (DN100)	254mm	200mm	8 x M20	31.8mm	157mm	2mm
5" (DN125)	279mm	235mm	8 x M20	35.1mm	186mm	2mm
6" (DN150)	318mm	270mm	12 x M20	36.6mm	216mm	2mm
8" (DN200)	381mm	330mm	12 x M24	41.1mm	270mm	2mm
10" (DN250)	445mm	387mm	16 x M27	47.8mm	324mm	2mm
12" (DN300)	521mm	451mm	16 x M30	50.8mm	381mm	2mm



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