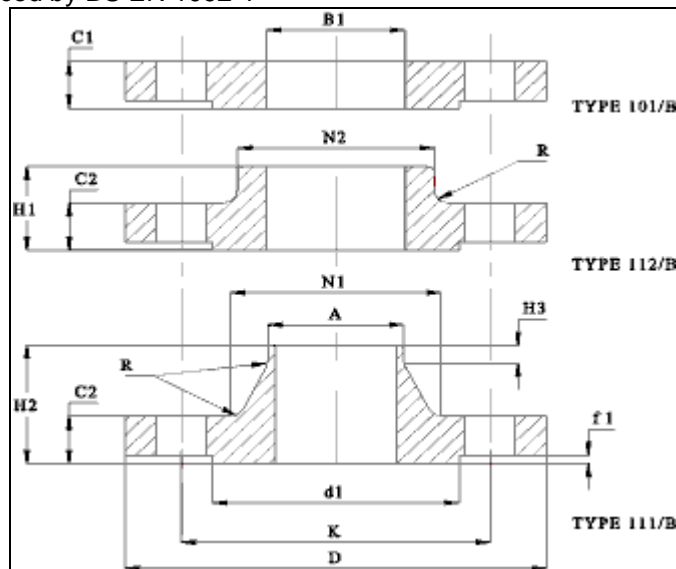


BS4504 PN 16 Dimensions

Note: Now obsolete and replaced by BS EN 1092-1



DN = Nominal size, D = Outside Diameter, A = Outside Dia of Neck , B1 = Bore of Type 101 & 112 Flange, C1 = Thickness of Plate Flange, C2 = Thickness of Weld\_Neck and Boss Flange , N1 = Dia of Weld Neck , N2 = Dia of Boss ,R = corner Radius, H1 = Length of Boss Flange, H2 = Length of Weld Neck Flange, H3 = Length of Neck :

Note: The flanges shown are only a small part of the range covered in BS 4504.

The Facings shown are type B (Raised Face). Other Facings include:

Type A..Flat: Type C..Tongue: Type D..Groove Type E..Spigot: :Type F..Recess: Type G..O-ring Recess: Type H..O-ring Groove:

Note : All Dimensions in mm

DN	D	C1	C2	H1	H2	H3	R	A	N1	N2	B1	d1	f1
10	90	14	14	20	35	6	3	17,2	28	30	18	40	2
15	95	14	14	20	35	6	3	21,3	32	35	22	45	2
20	105	14	14	24	38	6	4	26,9	39	45	27,5	58	2
25	115	16	16	24	38	6	4	33,7	46	52	34,5	68	2
32	140	18	16	26	40	6	5	42,4	56	60	43,5	78	2
40	150	18	16	26	42	7	5	48,3	64	70	49,5	88	3
50	165	20	18	28	45	8	5	60,3	74	84	61,5	102	3
65	185	20	18	32	45	10	6	76,1	92	104	77,5	122	3
80	200	20	20	34	50	10	6	88,9	110	118	90,5	138	3
100	220	22	20	40	52	12	6	114,3	130	140	116	162	3
125	250	22	22	44	55	12	6	139,7	158	168	141,5	188	3
150	285	24	22	44	55	12	8	168,3	184	195	170,5	212	3
200	340	26	24	44	62	16	8	219,1	234	246	221,5	268	3
250	405	29	26	46	70	16	10	273	288	298	276,5	320	3
300	460	32	28	46	78	16	10	323,9	342	350	327,5	378	4
350	520	35	30	57	82	16	10	355,6	390	400	359	438	4
400	580	38	32	63	85	16	10	406,4	444	456	411,0	490	4
450	640	42	34	68	87	16	12	457,0	490	502	462,0	550	4
500	715	46	34	73	90	16	12	508,0	546	559	513,5	610	4
600	840	52	36	83	95	18	12	610,0	650	658	616,5	725	5
700	910	60	36	83	100	18	12	711,0	750	760	-	795	5

800	1025	68	38	90	105	20	12	813,0	848	864	-	900	5
900	1125	76	40	94	110	20	12	914,0	948	968	-	1000	5
1000	1255	84	42	100	120	22	12	1016,0	1056	1072	-	1115	5
1200	1485	98	48	-	130	30	12	1220,0	1260	-	-	1330	5
1400	1685	-	52	-	145	30	12	1420,0	1465	-	-	1530	5
1600	1930	-	58	-	160	35	12	1620,0	1668	-	-	1750	5
DN	D	C1	C2	H1	H2	H3	R	A	N1	N2	B1	d1	f1

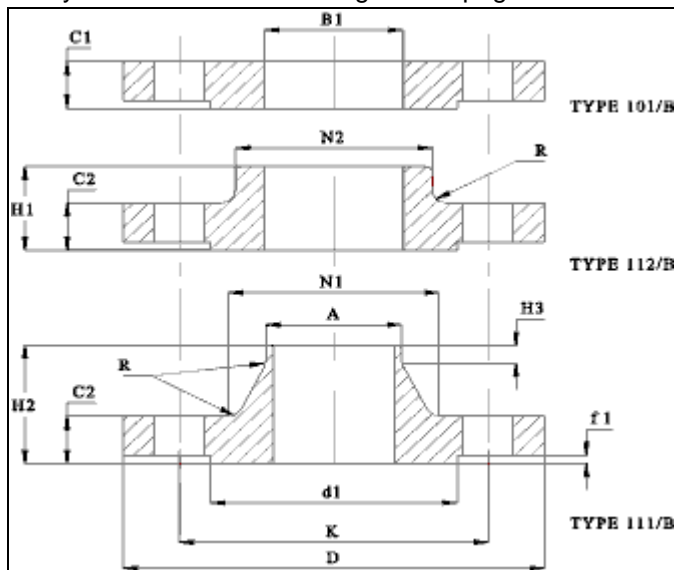
Flange Bolting

K = Bolt Circle Diameter, L = Dia Of Bolt Hole,  
No = Number of Holes , Size = Size of Bolts

DN	K	L	No	Size
mm	mm	mm	-	mm
10	60	14	4	M12
15	65	14	4	M12
20	75	14	4	M12
25	85	14	4	M12
32	100	18	4	M16
40	110	18	4	M16
50	125	18	4	M16
65	145	18	8	M16
80	160	18	8	M16
100	180	18	8	M16
125	210	18	8	M16
150	240	22	8	M20
200	295	22	12	M20
250	355	26	12	M24
300	410	26	12	M24
350	470	26	16	M24
400	525	30	16	M27
450	585	30	20	M27
500	650	33	20	M30
600	770	36	20	M33
700	840	36	24	M33
800	950	39	24	M36
900	1050	39	28	M36
1000	1170	42	28	M39
1200	1390	48	32	M45
1400	1590	48	36	M45
1600	1820	56	40	M52
DN	K	L	No	Size

BS4504 PN 25 Dimensions

Note: Now obsolete and replaced by BS EN 1092-1 see flange index page.



DN = Nominal size, D = Outside Diameter, A = Outside Dia of Neck , B1 = Bore of Type 101 & 112 Flange, C1 = Thickness of Plate Flange,  
 C2 = Thickness of Weld\_Neck and Boss Flange , N1 = Dia of Weld Neck ,N2 = Dia of Boss , R = corner Radius, H1 = Length of Boss Flange,  
 H2 = Length of Weld Neck Flange, H3 = Length of Neck :

Note: The flanges shown are only a small part of the range covered in BS 4504.

The Facings shown are type B (Raised Face). Other Facings include:

Type A..Flat: Type C..Tongue: Type D..Groove Type E..Spigot: :Type F..Recess: Type G..O-ring Recess: Type H.,O-ring Groove:

Note : All Dimensions in mm

DN	D	C1	C2	H1	H2	H3	R	A	N1	N2	B1	d1	f1
10	90	14	16	22	35	6	3	17,2	28	30	18	40	2
15	95	14	16	22	38	6	3	21,3	32	35	22	45	2
20	105	16	18	26	40	6	4	26,9	40	45	27,5	58	2
25	115	16	18	28	40	6	4	33,7	46	52	34,5	68	2
32	140	18	18	30	42	6	5	42,4	56	60	43,5	78	2
40	150	18	18	32	45	7	5	48,3	64	70	49,5	88	3
50	165	20	20	34	48	8	5	60,3	74	84	61,5	102	3
65	185	22	22	38	52	10	6	76,1	92	104	77,5	122	3
80	200	24	24	40	58	12	6	88,9	110	118	90,5	138	3
100	235	26	24	44	65	12	6	114,3	134	145	116	162	3
125	270	28	26	48	68	12	6	139,7	162	170	141,5	188	3
150	300	30	28	52	75	12	8	168,3	190	200	170,5	218	3
200	360	32	30	52	80	16	8	219,1	244	256	221,5	278	3
250	425	35	32	60	88	18	10	273,0	296	310	276,5	335	3
300	485	38	34	67	92	18	10	323,9	350	364	327,5	295	4
350	555	42	38	72	100	20	10	355,6	398	418	359,5	450	4
400	620	46	40	78	110	20	10	406,4	452	472	411,0	505	4
450	670	50	42	84	110	20	12	457,0	500	520	462,0	555	4
500	730	56	44	90	125	20	12	508,0	558	580	513,5	615	4
600	845	68	46	100	125	20	12	610,0	660	684	616,5	720	5
700	960	-	46		125	20	12	711,0	760			820	5

800	1085	-	50		135	22	12	813,0	864		-	930	5
900	1185	-	54		145	24	12	914,0	968		-	1030	5
1000	1320	-	58		155	24	12	1016,0	1070		-	1140	5
1200	1530	-	-	-			12	1220,0		-	-	1350	5
1400	1755	-	-	-			12	1420,0		-	-	1560	5
1600	1975	-	-	-			12	1620,0		-	-	1780	5
DN	D	C1	C2	H1	H2	H3	R	A	N1	N2	B1	d1	f1

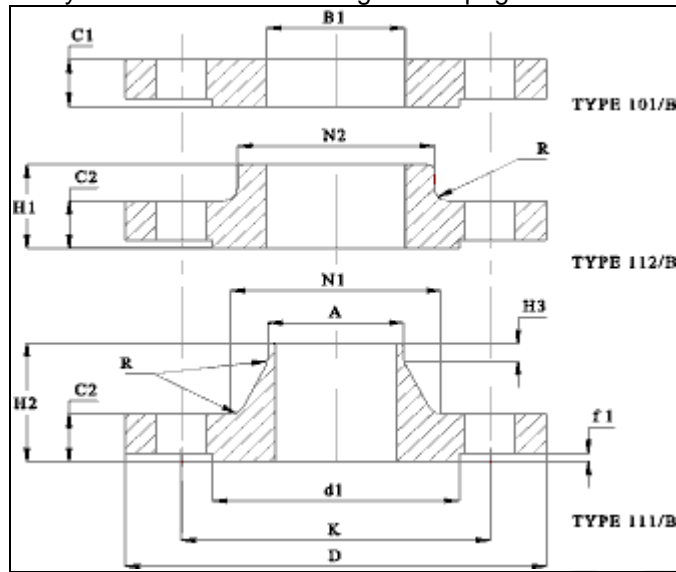
Flange Bolting

K = Bolt Circle Diameter, L = Dia Of Bolt Hole,  
No = Number of Holes , Size = Size of Bolts

DN	K	L	No	Size
mm	mm	mm	-	mm
10	60	14	4	M12
15	65	14	4	M12
20	75	14	4	M12
25	85	14	4	M12
32	100	18	4	M16
40	110	18	4	M16
50	125	18	4	M16
65	145	18	8	M16
80	160	18	8	M16
100	190	22	8	M20
125	220	26	8	M24
150	250	26	8	M24
200	310	26	12	M24
250	370	30	12	M27
300	430	30	16	M27
350	490	33	16	M30
400	550	36	16	M33
450	600	36	20	M33
500	660	36	20	M33
600	770	39	20	M36
700	875	42	24	M39
800	990	48	24	M45
900	1090	48	28	M45
1000	1210	56	28	M52
1200	1420	56	32	M52
1400	1640	62	36	M56
1600	1860	62	40	M56
DN	K	L	No	Size

BS4504 PN 40 Dimensions

Note: Now obsolete and replaced by BS EN 1092-1 see flange index page.



DN = Nominal size, D = Outside Diameter, A = Outside Dia of Neck , B1 = Bore of Type 101 & 112 Flange, C1 = Thickness of Plate Flange, C2 = Thickness of Weld\_Neck and Boss Flange , N1 = Dia of Weld Neck , N2 = Dia of Boss, R = corner Radius, H1 = Length of Boss Flange, H2 = Length of Weld Neck Flange, H3 = Length of Neck :

Note: The flanges shown are only a small part of the range covered in BS 4504.

The Facings shown are type B (Raised Face). Other Facings include:

Type A..Flat: Type C..Tongue: Type D..Groove Type E..Spigot: :Type F..Recess: Type G..O-ring Recess: Type H.,O-ring Groove:

Note : All Dimensions in mm

DN	D	C1	C2	H1	H2	H3	R	A	N1	N2	B1	d1	f1
10	90	14	16	22	35	6	3	17,2	28	30	18	40	2
15	95	14	16	22	38	6	3	21,3	32	35	22	45	2
20	105	16	18	26	40	6	4	26,9	40	45	27,5	58	2
25	115	16	18	28	40	6	4	33,7	46	52	34,5	68	2
32	140	18	18	30	42	6	5	42,4	56	60	43,5	78	2
40	150	18	18	32	45	7	5	48,3	64	70	49,5	88	3
50	165	20	20	34	48	8	5	60,3	74	84	61,5	102	3
65	185	22	22	38	52	10	6	76,1	92	104	77,5	122	3
80	200	24	24	40	58	12	6	88,9	110	118	90,5	138	3
100	235	26	24	44	65	12	6	114,3	134	145	116	162	3
125	270	28	26	48	68	12	6	139,7	162	170	141,5	188	3
150	300	30	28	52	75	12	8	168,3	190	200	170,5	218	3
200	375	36	34	52	88	16	8	219,1	244	260	221,5	285	3
250	450	42	38	60	105	18	10	273	306	312	276,5	345	3
300	515	48	42	67	115	18	10	323,9	362	380	327,5	410	4
350	580	54	46	72	125	20	10	355,6	408	424	359,5	465	4
400	660	60	50	78	135	20	10	406,4	462	478	411,0	535	4
450	685	66	50	84	135	20	12	457,0	500	522	462,0	560	4
500	755	72	52	90	140	20	12	508,0	562	576	513,5	615	4
600	890	84	60	100	150	20	12	610,0	666	686	616,5	735	5
DN	D	C1	C2	H1	H2	H3	R	A	N1	N2	B1	d1	f1

Flange Bolting

K = Bolt Circle Diameter, L = Dia Of Bolt Hole,  
No = Number of Holes , Size = Size of Bolts

DN	K	L	No	Size
mm	mm	mm	-	mm
10	60	14	4	M12
15	65	14	4	M12
20	75	14	4	M12
25	85	14	4	M12
32	100	18	4	M16
40	110	18	4	M16
50	125	18	4	M16
65	145	18	8	M16
80	160	18	8	M16
100	190	22	8	M20
125	220	26	8	M24
150	250	26	8	M24
200	320	30	12	M27
250	385	33	12	M30
300	450	33	16	M30
350	510	36	16	M33
400	585	39	16	M36
450	610	39	20	M36
500	670	42	20	M39
600	795	48	20	M45