

Flange Details

B.S.P. (British Standard Pipe) Threads

It should be noted that the diameter across the threads is not equal to the nominal thread size, i.e. A diameter of 2½" across the threads would equate to a 2¼" BSP thread.

(Assuming the thread is a parallel BSP thread)

Imperial		Metric	
BSP (Nominal Bore)	Approx. Diameter Across Threads	BSP (Nominal Bore)	Approx. Diameter Across Threads
1/4"	1/2"	-	13
1/2"	7/8"	15	21
3/4"	1"	22	26.5
1"	1.3/8"	28	33
1.1/2"	1.7/8"	35	48
2"	2.5/16"	54	59.5
2.1/4"	2.1/2"	-	66
2.1/2"	3"	67	75

BS EN 1092-1 PN6 (6 Bar) As specified in our standard catalogue ranges

Nominal Size DN	Flange Thickness		Outside Diameter	No. of Bolt Holes	Size of Bolt Holes	PCD of Bolt Holes
	Brass	Steel				
50	12	14	140	4	14	110
100	14	16	210	4	18	170
150	14	18	265	8	18	225
200	18	20	320	8	18	280
250	20	22	375	12	18	335
300	24	22	440	12	22	395
350	26	24	490	12	22	445
400	30	28	540	16	22	495
450	32	30	595	16	22	550
500	32	32	645	20	22	600

BS EN 1092-1 PN10 (10 Bar)

Nominal Size DN	Flange Thickness		O/D	No. of Bolt Holes	Size of Bolt Holes	PCD of Bolt Holes
	Brass	Steel				
50	16	18	165	4	18	125
100	18	20	220	8	18	180
150	18	22	285	8	22	240
200	20	24	340	8	22	295
250	22	26	395	12	22	350
300	26	26	445	12	22	400
350	28	26	505	16	22	460
400	32	26	565	16	26	515
450	34	28	615	20	26	565
500	38	28	670	20	26	620