TECHNICAL RESOURCES

ELITE INDUSTRIAL

FLANGE PCD & DRILLING REFERENCE

COMMON FLANGE STANDARDS AND DIMENSIONS
15NB – 600NB





OUTSIDE DIAMETER (OD)



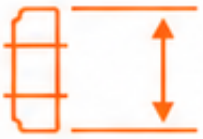
PITCH CIRCLE DIAMETER (PCD)



BOLT HOLES (QUANTITY)



HOLE DIAMETER



FLANGE THICKNESS

EN1092 DIN 10

PN10

DIMENSIONAL VALUES PENDING INDEPENDENT VERIFICATION

Nominal Bore (NB)	Outside Diameter (OD) mm	Pitch Circle (PCD) mm	Bolt Holes (No.)	Hole Diameter (mm)	Thickness (mm)
15	95	65	4	14	14
20	105	75	4	14	16
25	115	85	4	14	16
32	140	100	4	18	18
40	150	110	4	18	18
50	165	125	4	18	20
65	185	145	8	18	20
80	200	160	8	18	20
100	220	180	8	18	20
125	250	210	8	18	22
150	285	240	8	22	24
200	340	295	12	22	24
250	405	355	12	26	26
300	460	410	12	26	28
350	520	470	16	26	30
400	580	525	16	30	32
450	640	585	20	30	34
500	715	650	20	33	36
600	840	770	20	36	40

TECHNICAL DISCLAIMER

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EN1092 DIN 16

PN16

DIMENSIONAL VALUES PENDING INDEPENDENT VERIFICATION

Nominal Bore (NB)	Outside Diameter (OD) mm	Pitch Circle (PCD) mm	Bolt Holes (No.)	Hole Diameter (mm)	Thickness (mm)
15	95	65	4	14	14
20	105	75	4	14	16
25	115	85	4	14	16
32	140	100	4	18	18
40	150	110	4	18	18
50	165	125	4	18	20
65	185	145	8	18	20
80	200	160	8	18	20
100	220	180	8	18	20
125	250	210	8	18	22
150	285	240	8	22	24
200	340	295	12	22	26
250	405	355	12	26	29
300	460	410	12	26	32
350	520	470	16	26	35
400	580	525	16	30	38
450	640	585	20	30	42
500	715	650	20	33	46
600	840	770	20	36	55

DIMENSIONS FOR GENERAL REFERENCE ONLY | CONFIRM AGAINST APPLICABLE STANDARDS BEFORE USE

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EN1092 DIN 25

PN25

DIMENSIONAL VALUES PENDING INDEPENDENT VERIFICATION

Nominal Bore (NB)	Outside Diameter (OD) mm	Pitch Circle (PCD) mm	Bolt Holes (No.)	Hole Diameter (mm)	Thickness (mm)
15	95	65	4	14	14
20	105	75	4	14	16
25	115	85	4	14	16
32	140	100	4	18	18
40	150	110	4	18	18
50	165	125	4	18	20
65	185	145	8	18	22
80	200	160	8	18	24
100	235	190	8	22	26
125	270	220	8	26	28
150	300	250	8	26	30
200	360	310	12	26	32
250	425	370	12	30	35
300	485	430	16	30	38
350	555	490	16	33	42
400	620	550	16	36	48
450	670	600	20	36	54
500	730	660	20	36	58
600	845	770	20	39	68

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EN1092 DIN 40

PN40

DIMENSIONAL VALUES PENDING INDEPENDENT VERIFICATION

Nominal Bore (NB)	Outside Diameter (OD) mm	Pitch Circle (PCD) mm	Bolt Holes (No.)	Hole Diameter (mm)	Thickness (mm)
15	95	65	4	14	14
20	105	75	4	14	16
25	115	85	4	14	16
32	140	100	4	18	18
40	150	110	4	18	18
50	165	125	4	18	20
65	185	145	8	18	22
80	200	160	8	18	24
100	235	190	8	22	26
125	270	220	8	26	28
150	300	250	8	26	30
200	375	320	12	30	36
250	450	385	12	33	42
300	515	450	16	33	52
350	580	510	16	36	58
400	660	585	16	39	65
450	685	610	20	39	?
500	755	650	20	33	?
600	890	770	20	36	?

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ANSI / ASME B16.5

CLASS 150

DIMENSIONAL VALUES PENDING INDEPENDENT VERIFICATION

Nominal Bore (NB)	Outside Diameter (OD) mm	Pitch Circle (PCD) mm	Bolt Holes (No.)	Hole Diameter (mm)	Thickness (mm)
15	89	60.3	4	15.8	11.1
20	98.5	69.8	4	15.8	12.8
25	108	79.3	4	15.8	14.3
32	117.5	88.9	4	15.8	15.9
40	127.1	98.4	4	15.8	17.5
50	152.5	120.6	4	19	19.1
65	177.9	139.7	4	19	22.3
80	190.6	152.4	4	19	23.8
100	228.7	190.5	8	19	23.8
125	254.1	215.9	8	22.2	23.8
150	279.5	241.3	8	22.2	25.5
200	343	298.4	8	22.2	28.6
250	406.5	361.9	12	25.4	30.2
300	482.7	431.8	12	25.4	31.8
350	533.5	476.2	12	28.5	35
400	597	539.7	16	28.5	36.5
450	635.1	577.8	16	31.7	39.7
500	698.6	635	20	31.7	42.9
600	812.9	749.3	20	34.9	47.7

DIMENSIONS FOR GENERAL REFERENCE ONLY | CONFIRM AGAINST APPLICABLE STANDARDS BEFORE USE

TECHNICAL DISCLAIMER

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ANSI / ASME B16.5

CLASS 300

DIMENSIONAL VALUES PENDING INDEPENDENT VERIFICATION

Nominal Bore (NB)	Outside Diameter (OD) mm	Pitch Circle (PCD) mm	Bolt Holes (No.)	Hole Diameter (mm)	Thickness (mm)
15	95.3	66.6	4	15.8	14.3
20	117.5	82.5	4	19	15.9
25	123.9	88.9	4	19	17.5
32	133.4	98.4	4	19	19.1
40	155.6	114.3	4	22.2	20.7
50	165.2	127	8	19	22.3
65	190.6	149.2	8	22.2	25.5
80	209.6	168.2	8	22.2	28.6
100	254.1	200	8	22.2	31.8
125	279.5	234.9	8	22.2	35
150	317.6	269.8	12	22.2	36.5
200	381.1	330.2	12	25.4	41.3
250	444.6	387.3	16	28.5	47.7
300	520.8	450.8	16	31.7	50.9
350	584.3	514.3	20	31.7	54
400	647.8	571.5	20	34.9	57.2
450	711.3	628.6	24	34.9	60.4
500	774.8	685.8	24	34.9	63.6
600	914.5	812.8	24	41.2	69.9

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ANSI / ASME B16.5

CLASS 600

DIMENSIONAL VALUES PENDING INDEPENDENT VERIFICATION

Nominal Bore (NB)	Outside Diameter (OD) mm	Pitch Circle (PCD) mm	Bolt Holes (No.)	Hole Diameter (mm)	Thickness (mm)
15	95.3	66.6	4	15.8	14.3
20	117.5	82.5	4	19	15.9
25	123.9	88.9	4	19	17.5
32	133.4	98.4	4	19	20.7
40	155.6	114.3	4	22.2	22.3
50	165.2	127	8	19	25.5
65	190.6	149.2	8	22.2	28.6
80	209.6	168.2	8	22.2	31.8
100	273.1	215.9	8	25.4	38.2
125	330.3	266.7	8	28.5	44.5
150	355.7	292.1	12	28.5	47.7
200	419.2	349.2	12	31.7	55.6
250	508.1	431.8	16	34.9	63.6
300	558.9	488.9	20	34.9	66.7
350	603.3	527	20	38.1	69.9
400	685.9	603.2	20	41.2	76.3
450	743	654	20	44.4	82.6
500	812.9	723.9	24	44.4	89
600	939.9	838.2	24	50.8	101.7

DIMENSIONS FOR GENERAL REFERENCE ONLY | CONFIRM AGAINST APPLICABLE STANDARDS BEFORE USE

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ANSI / ASME B16.5

CLASS 900

DIMENSIONAL VALUES PENDING INDEPENDENT VERIFICATION

Nominal Bore (NB)	Outside Diameter (OD) mm	Pitch Circle (PCD) mm	Bolt Holes (No.)	Hole Diameter (mm)	Thickness (mm)
15	120.7	82.5	4	22.2	22.3
20	130.2	88.9	4	22.2	25.5
25	149.3	101.6	4	25.4	28.6
32	158.8	111.1	4	25.4	28.6
40	177.9	123.8	4	28.5	31.8
50	216	165.1	8	25.4	38.2
65	244.5	190.5	8	28.5	41.3
80	241.4	190.5	8	25.4	38.2
100	292.2	234.9	8	31.7	44.5
125	349.3	279.4	8	34.9	50.9
150	381.1	317.5	12	31.7	55.6
200	470	393.7	12	38.1	63.6
250	546.2	469.9	16	38.1	69.9
300	609.7	533.4	20	38.1	79.4
350	641.4	558.8	20	41.2	85.8
400	704.9	615.9	20	44.4	89
450	787.5	685.8	20	50.8	101.7
500	857.3	749.3	20	53.9	108
600	1041.5	901.7	20	66.6	139.8

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ANSI / ASME B16.5

CLASS 1500

DIMENSIONAL VALUES PENDING INDEPENDENT VERIFICATION

Nominal Bore (NB)	Outside Diameter (OD) mm	Pitch Circle (PCD) mm	Bolt Holes (No.)	Hole Diameter (mm)	Thickness (mm)
15	120.7	82.5	4	22.2	22.3
20	130.2	88.9	4	22.2	25.5
25	149.3	101.6	4	25.4	28.6
32	158.8	111.1	4	25.4	28.6
40	177.9	123.8	4	28.5	31.8
50	216	165.1	8	25.4	38.2
65	244.5	190.5	8	28.5	41.3
80	266.8	203.2	8	31.7	47.7
100	311.2	241.3	8	34.9	54
125	374.7	292.1	8	41.2	73.1
150	393.8	317.5	12	38.1	82.6
200	482.7	393.7	12	44.4	92.1
250	584.3	482.6	12	50.8	108
300	673.2	571.5	16	53.9	123.9
350	749.4	635	16	60.3	133.4
400	825.6	704.8	16	66.6	146.1
450	914.5	774.7	16	73	162
500	984.3	831.8	16	79.3	177.9
600	1168.5	990.6	16	92	203.3

TECHNICAL DISCLAIMER

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TABLE D

DIMENSIONAL VALUES PENDING INDEPENDENT VERIFICATION

Nominal Bore (NB)	Outside Diameter (OD) mm	Pitch Circle (PCD) mm	Bolt Holes (No.)	Hole Diameter (mm)	Thickness (mm)
15	95	67	4	14	5
20	100	73	4	14	5
25	115	83	4	14	5
32	120	87	4	14	6
40	135	98	4	14	6
50	150	114	4	18	8
65	165	127	4	18	8
80	185	146	4	18	10
100	215	178	4	18	10
125	255	210	8	18	13
150	280	235	8	18	13
200	335	292	8	18	13
250	405	356	8	22	16
300	455	406	12	22	19
350	525	470	12	26	22
400	580	521	12	26	22
450	640	584	12	26	25
500	705	641	16	26	29
600	825	756	16	30	32

DIMENSIONS FOR GENERAL REFERENCE ONLY | CONFIRM AGAINST APPLICABLE STANDARDS BEFORE USE

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TABLE E

DIMENSIONAL VALUES PENDING INDEPENDENT VERIFICATION

Nominal Bore (NB)	Outside Diameter (OD) mm	Pitch Circle (PCD) mm	Bolt Holes (No.)	Hole Diameter (mm)	Thickness (mm)
15	95	67	4	14	6
20	100	73	4	14	6
25	115	83	4	14	7
32	120	87	4	14	8
40	135	98	4	14	9
50	150	114	4	18	10
65	165	127	4	18	10
80	185	146	4	18	11
100	215	178	8	18	13
125	255	210	8	18	14
150	280	235	8	22	17
200	335	292	8	22	19
250	405	356	12	22	22
300	455	406	12	26	25
350	525	470	12	26	29
400	580	521	12	26	32
450	640	584	16	26	35
500	705	641	16	26	38
600	825	756	16	33	48

TECHNICAL DISCLAIMER

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TABLE H

DIMENSIONAL VALUES PENDING INDEPENDENT VERIFICATION

Nominal Bore (NB)	Outside Diameter (OD) mm	Pitch Circle (PCD) mm	Bolt Holes (No.)	Hole Diameter (mm)	Thickness (mm)
15	115	83	4	18	13
20	115	83	4	18	13
25	120	87	4	18	14
32	135	98	4	18	17
40	140	105	4	18	17
50	165	127	4	18	19
65	185	146	8	18	19
80	205	165	8	18	22
100	230	191	8	18	25
125	280	235	8	22	29
150	305	260	12	22	29
200	370	324	12	22	32
250	430	381	12	26	35
300	490	438	16	26	41
350	550	495	16	30	48
400	610	552	20	30	54
450	675	610	20	33	60
500	735	673	24	33	67
600	850	781	24	36	76

DIMENSIONS FOR GENERAL REFERENCE ONLY | CONFIRM AGAINST APPLICABLE STANDARDS BEFORE USE

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TABLE F

DIMENSIONAL VALUES PENDING INDEPENDENT VERIFICATION

Nominal Bore (NB)	Outside Diameter (OD) mm	Pitch Circle (PCD) mm	Bolt Holes (No.)	Hole Diameter (mm)	Thickness (mm)
15	95	67	4	14	10
20	100	73	4	14	10
25	120	87	4	18	10
32	135	98	4	18	13
40	140	105	4	18	13
50	165	127	4	18	16
65	185	146	8	18	16
80	205	165	8	18	16
100	230	191	8	18	19
125	280	235	8	22	22
150	305	260	12	22	22
200	370	324	12	22	25
250	430	381	12	26	29
300	490	438	16	26	32
350	550	495	16	30	35
400	610	552	20	30	41
450	675	610	20	33	44
500	735	673	24	33	51
600	850	781	24	36	57

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JIS

5K

DIMENSIONAL VALUES PENDING INDEPENDENT VERIFICATION

Nominal Bore (NB)	Outside Diameter (OD) mm	Pitch Circle (PCD) mm	Bolt Holes (No.)	Hole Diameter (mm)	Thickness (mm)
15	80	60	4	12	9
20	85	65	4	12	10
25	95	75	4	12	10
32	115	90	4	15	12
40	120	95	4	15	12
50	130	105	4	15	14
65	155	130	4	15	14
80	180	145	4	19	14
100	200	165	8	19	16
125	235	200	8	19	16
150	265	230	8	19	18
200	320	280	8	23	20
250	385	345	12	23	22
300	430	390	12	23	22
350	480	435	12	25	24
400	540	495	16	25	24
450	605	555	16	25	24
500	655	605	20	25	24
600	770	715	20	27	26

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JIS

10K

DIMENSIONAL VALUES PENDING INDEPENDENT VERIFICATION

Nominal Bore (NB)	Outside Diameter (OD) mm	Pitch Circle (PCD) mm	Bolt Holes (No.)	Hole Diameter (mm)	Thickness (mm)
15	95	70	4	15	12
20	100	75	4	15	14
25	125	90	4	19	14
32	135	100	4	19	16
40	140	105	4	19	16
50	155	120	4	19	16
65	175	140	4	19	18
80	185	150	8	19	18
100	210	175	8	19	18
125	250	210	8	23	20
150	280	240	8	23	22
200	330	290	12	23	22
250	400	355	12	25	24
300	445	400	16	25	24
350	490	445	16	25	26
400	560	510	16	27	28
450	620	565	20	27	30
500	675	620	20	27	30
600	795	730	24	33	32

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JIS

16K

DIMENSIONAL VALUES PENDING INDEPENDENT VERIFICATION

Nominal Bore (NB)	Outside Diameter (OD) mm	Pitch Circle (PCD) mm	Bolt Holes (No.)	Hole Diameter (mm)	Thickness (mm)
15	95	70	4	15	12
20	100	75	4	15	14
25	125	90	4	19	14
32	135	100	4	19	16
40	140	105	4	19	16
50	155	120	8	19	16
65	175	140	8	19	18
80	200	160	8	23	20
100	225	185	8	23	22
125	270	225	8	25	22
150	305	260	12	25	24
200	350	305	12	25	26
250	430	380	12	27	28
300	480	430	16	27	30
350	540	480	16	33	34
400	605	540	16	33	38
450	675	605	20	33	40
500	730	660	20	33	42
600	845	770	24	39	46

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FLANGE REFERENCE

PN16

DIMENSIONAL VALUES PENDING INDEPENDENT VERIFICATION

Nominal Bore (NB)	Outside Diameter (OD) mm	Pitch Circle (PCD) mm	Bolt Holes (No.)	Hole Diameter (mm)	Thickness (mm)
15					
20					
25					
32					
40					
50	150	114	4	18	11
65	165	127	4	18	11
80	185	146	4	18	11
100	215	178	4	18	13
125					
150	280	235	8	18	13
200	335	292	8	18	19
250	405	356	8	22	19
300	455	406	12	22	23
350	525	470	12	26	30
400	580	521	12	26	30
450	640	584	12	26	30
500	705	641	16	26	38
600	825	756	16	30	48

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