

G - series

JIS G	unit : mm		unit : inch	
	Width	Inside diameter	Width	Inside diameter
G25	3.1	24.4	0.122	0.961
G30	3.1	29.4	0.122	1.157
G35	3.1	34.4	0.122	1.354
G40	3.1	39.4	0.122	1.551
G45	3.1	44.4	0.122	1.748
G50	3.1	49.4	0.122	1.945
G55	3.1	54.4	0.122	2.142
G60	3.1	59.4	0.122	2.339
G65	3.1	64.4	0.122	2.535
G70	3.1	69.4	0.122	2.732
G75	3.1	74.4	0.122	2.929
G80	3.1	79.4	0.122	3.126
G85	3.1	84.4	0.122	3.323
G90	3.1	89.4	0.122	3.520
G95	3.1	94.4	0.122	3.717
G100	3.1	99.4	0.122	3.913
G105	3.1	104.4	0.122	4.110
G110	3.1	109.4	0.122	4.307
G115	3.1	114.4	0.122	4.504
G120	3.1	119.4	0.122	4.701
G125	3.1	124.4	0.122	4.898
G130	3.1	129.4	0.122	5.094
G135	3.1	134.4	0.122	5.291
G140	3.1	139.4	0.122	5.488
G145	3.1	144.4	0.122	5.685
G150	5.7	149.3	0.224	5.878
G155	5.7	154.3	0.224	6.075
G160	5.7	159.3	0.224	6.272
G165	5.7	164.3	0.224	6.469
G170	5.7	169.3	0.224	6.665
G175	5.7	174.3	0.224	6.862
G180	5.7	179.3	0.224	7.059
G185	5.7	184.3	0.224	7.256
G190	5.7	189.3	0.224	7.453
G195	5.7	194.3	0.224	7.650
G200	5.7	199.3	0.224	7.846
G210	5.7	209.3	0.224	8.240
G220	5.7	219.3	0.224	8.634
G230	5.7	229.3	0.224	9.028
G240	5.7	239.3	0.224	9.421
G250	5.7	249.3	0.224	9.815
G260	5.7	259.3	0.224	10.209
G270	5.7	269.3	0.224	10.602
G280	5.7	279.3	0.224	10.996
G290	5.7	289.3	0.224	11.390
G300	5.7	299.3	0.224	11.783

P - series

JIS P	unit : mm		unit : inch	
	Width	Inside diameter	Width	Inside diameter
P3	1.9	2.8	0.075	0.110
P4	1.9	3.8	0.075	0.150
P5	1.9	4.8	0.075	0.189
P6	1.9	5.8	0.075	0.228
P7	1.9	6.8	0.075	0.268
P8	1.9	7.8	0.075	0.307
P9	1.9	8.8	0.075	0.346
P10	1.9	9.8	0.075	0.386
P10A	2.4	9.8	0.094	0.386
P11	2.4	10.8	0.094	0.425
P11.2	2.4	11.0	0.094	0.433
P12	2.4	11.8	0.094	0.465
P12.5	2.4	12.3	0.094	0.484
P14	2.4	13.8	0.094	0.543
P15	2.4	14.8	0.094	0.583
P16	2.4	15.8	0.094	0.622
P18	2.4	17.8	0.094	0.701
P20	2.4	19.8	0.094	0.780
P21	2.4	20.8	0.094	0.819
P22	2.4	21.8	0.094	0.858
P22A	3.5	21.7	0.138	0.854
P22.4	3.5	22.1	0.138	0.870
P24	3.5	23.7	0.138	0.933
P25	3.5	24.7	0.138	0.972
P25.5	3.5	25.2	0.138	0.992
P26	3.5	25.7	0.138	1.012
P28	3.5	27.7	0.138	1.091
P29	3.5	28.7	0.138	1.130
P29.5	3.5	29.2	0.138	1.150
P30	3.5	29.7	0.138	1.169
P31	3.5	30.7	0.138	1.209
P31.5	3.5	31.2	0.138	1.228
P32	3.5	31.7	0.138	1.248
P34	3.5	33.7	0.138	1.327
P35	3.5	34.7	0.138	1.366
P35.5	3.5	35.2	0.138	1.386
P36	3.5	35.7	0.138	1.406
P38	3.5	37.7	0.138	1.484
P39	3.5	38.7	0.138	1.524
P40	3.5	39.7	0.138	1.563
P41	3.5	40.7	0.138	1.602
P42	3.5	41.7	0.138	1.642
P44	3.5	43.7	0.138	1.720
P45	3.5	44.7	0.138	1.760
P46	3.5	45.7	0.138	1.799
P48	3.5	47.7	0.138	1.878

P49	3.5	48.7	0.138	1.917
P50	3.5	49.7	0.138	1.957
P48A	5.7	47.6	0.224	1.874

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JIS P	unit : mm		unit : inch	
	Width	Inside diameter	Width	Inside diameter
P50A	5.7	49.6	0.224	1.953
P52	5.7	51.6	0.224	2.031
P53	5.7	52.6	0.224	2.071
P55	5.7	54.6	0.224	2.150
P56	5.7	55.6	0.224	2.189
P58	5.7	57.6	0.224	2.268
P60	5.7	59.6	0.224	2.346
P62	5.7	61.6	0.224	2.425
P63	5.7	62.6	0.224	2.465
P65	5.7	64.6	0.224	2.543
P67	5.7	66.6	0.224	2.622
P70	5.7	69.6	0.224	2.740
P71	5.7	70.6	0.224	2.780
P75	5.7	74.6	0.224	2.937
P80	5.7	79.6	0.224	3.134
P85	5.7	84.6	0.224	3.331
P90	5.7	89.6	0.224	3.528
P95	5.7	94.6	0.224	3.724
P100	5.7	99.6	0.224	3.921
P102	5.7	101.6	0.224	4.000
P105	5.7	104.6	0.224	4.118
P110	5.7	109.6	0.224	4.315
P112	5.7	111.6	0.224	4.395
P115	5.7	114.6	0.224	4.512
P120	5.7	119.6	0.224	4.709
P125	5.7	124.6	0.224	4.906
P130	5.7	129.6	0.224	5.102
P132	5.7	131.6	0.224	5.181
P135	5.7	134.6	0.224	5.299
P140	5.7	139.6	0.224	5.496
P145	5.7	144.6	0.224	5.693
P150	5.7	149.6	0.224	5.890
P150A	8.4	149.5	0.331	5.886
P155	8.4	154.5	0.331	6.083
P160	8.4	159.5	0.331	6.280
P165	8.4	164.5	0.331	6.476
P170	8.4	169.5	0.331	6.673
P175	8.4	174.5	0.331	6.870
P180	8.4	179.5	0.331	7.067
P185	8.4	184.5	0.331	7.264
P190	8.4	189.5	0.331	7.461
P195	8.4	194.5	0.331	7.657
P200	8.4	199.5	0.331	7.854

P – series

JIS P	unit : mm		unit : inch	
	Width	Inside diameter	Width	Inside diameter
P230	8.3	229.5	0.331	9.035
P235	8.4	234.5	0.331	9.232
P240	8.4	239.5	0.331	9.429
P245	8.4	244.5	0.331	9.626
P250	8.4	249.5	0.331	9.823
P255	8.4	254.5	0.331	10.020
P260	8.4	259.5	0.331	10.217
P265	8.4	264.5	0.331	10.413
P270	8.4	269.5	0.331	10.610
P275	8.4	274.5	0.331	10.807
P280	8.4	279.5	0.331	11.004
P285	8.4	284.5	0.331	11.201
P290	8.4	289.5	0.331	11.398
P295	8.4	294.5	0.331	11.594
P300	8.4	299.5	0.331	11.791
P315	8.4	314.5	0.331	12.382
P320	8.4	319.5	0.331	12.579
P335	8.4	334.5	0.331	13.169
P340	8.4	339.5	0.331	13.366
P355	8.4	354.5	0.331	13.957
P360	8.4	359.5	0.331	14.154
P375	8.4	374.5	0.331	14.744
P385	8.4	384.5	0.331	15.138
P400	8.4	399.5	0.331	15.728

P205	8.4	204.5	0.331	8.051
P209	8.4	208.5	0.331	8.209
P210	8.4	209.5	0.331	8.248
P215	8.4	214.5	0.331	8.445
P220	8.4	219.5	0.331	8.642
P225	8.4	224.5	0.331	8.839

V - series

JIS P	unit : mm		unit : inch	
	Width	Inside diameter	Width	Inside diameter
V15	4.0	14.5	0.157	0.571
V24	4.0	23.5	0.157	0.925
V34	4.0	33.5	0.157	1.319
V40	4.0	39.5	0.157	1.555
V55	4.0	54.5	0.157	2.146
V70	4.0	69.0	0.157	2.717
V85	4.0	84.0	0.157	3.307
V100	4.0	99.0	0.157	3.898
V120	4.0	119.0	0.157	4.685
V150	4.0	148.5	0.157	5.846
V175	4.0	173.0	0.157	6.811
V225	6.0	222.5	0.236	8.760
V275	6.0	272.0	0.236	10.709
V325	6.0	321.5	0.236	12.657
V380	6.0	376.0	0.236	14.803
V430	6.0	425.5	0.236	16.752
V480	10.0	475.0	0.394	18.701
V530	10.0	524.5	0.394	20.650
V585	10.0	579.0	0.394	22.795
V640	10.0	633.5	0.394	24.941
V690	10.0	683.0	0.394	26.890
V740	10.0	732.5	0.394	28.839
V790	10.0	782.0	0.394	30.787
V845	10.0	836.5	0.394	32.933
V950	10.0	940.5	0.394	37.028
V1055	10.0	1044.0	0.394	41.102

NW - series

JIS P	unit : mm		unit : inch	
	Width	Inside diameter	Width	Inside diameter
NW-10	5.33	15.24	0.210	
NW-16	5.33	18.42	0.210	
NW-25	5.33	27.94	0.210	
NW-40	5.33	40.64	0.210	
NW-50	5.33	53.34	0.210	
NW-63	5.33	72.40	0.210	
NW-80	5.33	85.10	0.210	
NW-100	5.33	104.10	0.210	
NW-160	5.33	151.90	0.210	
NW-200	5.33	215.40	0.210	
NW-250	5.33	266.20	0.210	
NW-320	6.99	317.00	0.275	
NW-400	6.99	393.20	0.275	
NW-500	6.99	494.30	0.275	
NW-600	6.99	633.50	0.275	