

SIZES AND TOLERANCES

I.D. honed mm	I.D. tolerance mm	O.D. mm	W.T. raw mm	Mass raw Kg/m
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110	-0/+0,054	127	10,0	28,9
	-0/+0,054	133	14,2	41,8
	-0/+0,054	139,7	17,5	52,7
	-0/+0,054	146	22,2	67,7
	-0/+0,054	152,4	25,0	79,0
	-0/+0,054	159	30,0	95,3
	-0/+0,054	168,3	35,0	115,0
	-0/+0,054	177,8	40,0	136,0

115	-0/+0,054	127	8,0	23,4
	-0/+0,054	133	12,5	37,4
	-0/+0,054	139,7	16,0	48,6
	-0/+0,054	146	20,0	62,1
	-0/+0,054	168,3	30,0	102,0

120	-0/+0,054	139,7	14,2	43,9
	-0/+0,054	146	16,0	51,3
	-0/+0,054	152,4	20,0	65,3
	-0/+0,054	159	22,2	74,8
	-0/+0,054	168,3	28,0	96,7
	-0/+0,054	177,8	35,0	123,0

125	-0/+0,063	146	14,2	46,1
	-0/+0,063	152,4	16,0	53,6
	-0/+0,063	159	20,0	68,6
	-0/+0,063	168,3	25,0	88,9
	-0/+0,063	177,8	30,0	109,0
	-0/+0,063	193,7	40,0	151,0
	-0/+0,063	203	45,0	178,0

127	-0/+0,063	146	12,5	41,2
	-0/+0,063	152,4	16,0	53,6

I.D. honed mm	I.D. tolerance mm	O.D. mm	W.T. raw mm	Mass raw Kg/m
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130	-0/+0,063	152,4	14,2	48,5
	-0/+0,063	159	17,5	60,9
	-0/+0,063	168,3	22,2	80,0
	-0/+0,063	177,8	30,0	109,0
	-0/+0,063	193,7	40,0	151,0

135	-0/+0,063	159	14,2	50,8
	-0/+0,063	168,3	20,0	73,1
	-0/+0,063	177,8	25,0	94,8
	-0/+0,063	193,7	35,0	136,0

140	-0/+0,063	168,3	17,5	65,0
	-0/+0,063	177,8	22,2	85,2
	-0/+0,063	193,7	30,0	121,0
	-0/+0,063	203	35,0	144,0
	-0/+0,063	219,1	45,0	196,0

145	-0/+0,063	168,3	14,2	54,1
	-0/+0,063	177,8	20,0	77,8
	-0/+0,063	193,7	30,0	121,0

150	-0/+0,063	168,3	12,5	48,4
	-0/+0,063	177,8	16,0	63,6
	-0/+0,063	193,7	25,0	105,0
	-0/+0,063	203	30,0	128,0
	-0/+0,063	219,1	40,0	176,0
	-0/+0,063	229	45,0	204,0

152	-0/+0,063	177,8	16,0	63,6
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155	-0/+0,063	177,8	14,2	57,4
	-0/+0,063	193,7	22,2	93,9
	-0/+0,063	219,1	40,0	176,0



SIZES AND TOLERANCES

I.D. honed mm	I.D. tolerance mm	O.D. mm	W.T. raw mm	Mass raw Kg/m
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160	-0/+0,063	193,7	20,0	85,7
	-0/+0,063	203	25,0	110,0
	-0/+0,063	219,1	35,0	158,0
	-0/+0,063	229	40,0	186,0
	-0/+0,063	244,5	50,0	243,0

165	-0/+0,063	193,7	17,5	75,9
	-0/+0,063	203	22,2	99,0

170	-0/+0,063	193,7	14,2	63,0
	-0/+0,063	203	20,0	90,3
	-0/+0,063	219,1	30,0	140,0
	-0/+0,063	229	35,0	167,0
	-0/+0,063	244,5	45,0	224,0

175	-0/+0,063	193,7	12,5	56,2
	-0/+0,063	203	16,0	73,8
	-0/+0,063	219,1	25,0	120,0

180	-0/+0,063	193,7	10,0	45,3
	-0/+0,063	203	14,2	66,1
	-0/+0,063	219,1	25,0	120,0
	-0/+0,063	229	30,0	147,0
	-0/+0,063	244,5	40,0	201,0
	-0/+0,063	254	45,0	235,0

185	-0/+0,072	219,1	22,2	108,0
	-0/+0,072	254	40,0	211,0

190	-0/+0,072	219,1	17,5	86,9
	-0/+0,072	229	25,0	125,0
	-0/+0,072	244,5	30,0	159,0
	-0/+0,072	254	35,0	188,0

I.D. honed mm	I.D. tolerance mm	O.D. mm	W.T. raw mm	Mass raw Kg/m
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200	-0/+0,072	219,1	12,5	64,1
	-0/+0,072	229	17,5	91,2
	-0/+0,072	244,5	28,0	149,0
	-0/+0,072	254	30,0	166,0
	-0/+0,072	267	40,0	223,0
	-0/+0,072	273	45,0	256,0
	-0/+0,072	298,5	60,0	353,0
	-0/+0,072	305	60,0	362,0

210	-0/+0,072	229	12,5	66,7
	-0/+0,072	244,5	22,2	122,0
	-0/+0,072	254	28,0	156,0
	-0/+0,072	267	35,0	200,0
	-0/+0,072	273	35,0	205,0

215	-0/+0,072	244,5	17,5	97,8
	-0/+0,072	254	25,0	141,0
	-0/+0,072	267	30,0	175,0
	-0/+0,072	273	35,0	205,0
	-0/+0,072	298,5	50,0	306,0

220	-0/+0,072	244,5	16,0	89,8
	-0/+0,072	254	22,2	127,0
	-0/+0,072	267	30,0	175,0
	-0/+0,072	273	30,0	180,0
	-0/+0,072	298,5	45,0	285,0
	-0/+0,072	323,9	60,0	390,0

225	-0/+0,072	244,5	12,5	72,0
	-0/+0,072	254	20,0	115,0
	-0/+0,072	267	28,0	165,0
	-0/+0,072	273	30,0	180,0
	-0/+0,072	298,5	45,0	285,0
	-0/+0,072	323,9	68,0	390,0