

Gage Makers Tolerance Chart

Plain Plug, Plain Ring and Master Gage Tolerances

RANGE	CLASS					
	XXX	XX	X	Y	Z	ZZ
INCH						
.0009 TO .8250	.000010	.000020	.000040	.000070	.000100	.000200
.8251 TO 1.5100	.000015	.000030	.000060	.000090	.000120	.000240
1.5101 TO 2.5100	.000020	.000040	.000080	.000120	.000160	.000320
2.5101 TO 4.5100	.000025	.000050	.000100	.000150	.000200	.000400
4.5101 TO 6.5100	.000033	.000065	.000130	.000190	.000250	.000500
6.5101 TO 9.0100	.000040	.000080	.000160	.000240	.000320	.000640
9.0101 TO 12.2600	.000050	.000100	.000200	.000300	.000400	.000800
METRIC						
1.0mm to 21.00mm	.00025mm	.00051mm	.00102mm	.00178mm	.00254mm	.00508mm
21.01mm to 38.00mm	.00038mm	.00076mm	.00152mm	.00229mm	.00305mm	.00610mm
38.01mm to 64.00mm	.00051mm	.00102mm	.00203mm	.00305mm	.00406mm	.00813mm
64.01mm to 115.00mm	.00064mm	.00127mm	.00254mm	.00381mm	.00508mm	.01016mm
115.01mm to 165.00mm	.00084mm	.00165mm	.00330mm	.00483mm	.00635mm	.01270mm
165.01mm to 230.00mm	.00102mm	.00203mm	.00406mm	.00610mm	.00813mm	.01626mm
230.01mm to 300.00mm	.00127mm	.00254mm	.00508mm	.00762mm	.01016mm	.02032mm

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NOTE: Cylindrical plug gage tolerance is GO (Plus) and NOGO (Minus).
 Master cylindrical plug gage tolerance is 50% Plus 50% Minus.
 Master setting Disc tolerance is 50% Plus 50% Minus.
 Cylindrical plain ring gage tolerance is GO (Minus) and NOGO (Plus).
 Master ring gage tolerance is 50% Plus and 50% Minus.