



ISO 9001:2015 Certified Company

PRECISION BRAND PRODUCTS, INC.

2250 CURTISS STREET

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Monday, 02/25/2019

CERTIFICATE OF CONFORMANCE

This is to certify that to the best of our knowledge and belief, all values shown below are correct and true and the material complies with the specifications shown.

COLD ROLLED STEEL ARBOR SPACERS/SHIMS

	C1008 / C1010	12L14 (Parts 25098, 25099, 39098 & 39099)
CARBON	.13 MAX	.15 MAX
MANGANESE	.25 - .60	.85 - 1.15
PHOSPHORUS	.04 MAX	.04 - .09
SULPHUR	.05 MAX	.26 - .35
LEAD		.15 - .35
TEMPER	#1 FULL HARD	#1 FULL HARD
ROCKWELL HARDNESS	≤.069 RB 90 MIN ≥.070 RB 84 MIN	HB 163
MEETS SPECIFICATIONS	AISI 1008 – 1010 (chemistry)	ASTM A108 (chemistry)

Thickness	Tolerance	Thickness	Tolerance
.001" - .003"	+/- 10%	.047 "	+/- .0020"
.004" - .006"	+/- .0005"	.062"	+/- .0025"
.007" - .012"	+/- .00075"	.093"-.125"	+/- .0030"
.015" - .020"	+/- .0010"	I.D. + .011" / - .000"	O.D. +/- .002"
.025" -.031"	+/- .0015"		