



ISO 9001:2015 Certified Company

**PRECISION BRAND PRODUCTS, INC.**

2250 CURTISS STREET

DOWNERS GROVE, IL 60515 USA

PHONE: (630) 969-7200 FAX: (630) 969-0310

**Monday, 02/25/2019**

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.

**METRIC LENGTHENING & SHORTENING SHIMS**  
**METRIC DIE BUTTON SHIMS**

**TYPE 302 STAINLESS STEEL**

CARBON	.15 MAX
MANGANESE	2.00 MAX
SULPHUR	.03 MAX
NICKEL	8.00 - 10.00
SILICON	.75 MAX
PHOSPHORUS	.045 MAX
CHROMIUM	17.00 - 19.00
NITROGEN	.10 MAX
TEMPER	FULL HARD
*ROCKWELL HARDNESS	40 - 45 C SCALE
ULTIMATE TENSILE STRENGTH	185,000 PSI MIN
YIELD STRENGTH	140,000 PSI MIN
ELONGATION	1% TO 4% IN 2" MIN

**MEETS SPECIFICATIONS:**

AISI-T302

SAE-30302

ASTM-A-666

\* Rockwell Hardness not a requirement for ASTM 666