

LINEAR TOOLS



The quick guide to

PRECISION BRAND SHIM STOCK

Introduction

Precision Brand's products were originally created for the Tool & Die Industry. The company moved into the Maintenance, Repair and Operations of factories.

Precision Brand product's can also be found within the Following industries:

- Aerospace
- Lumber
- Paper
- Pulp
- Automotive
- Nuclear
- Power Generation
- Refineries

Functions of Shim Stock

Shim Stock is used to fill gaps in tool & die and machinery set-up and repair.

Shim is cut to make economical custom shims.

Used to make parts in short runs or for prototype work.

The Key Benefit of Precision Brand Shim

The only “**BRANDED**” Shim.

Thickness, size, material and tracing number are printed right on the shim for quick and easy identification.

This is the big advantage of Precision Brand Shim Stock, no other company but Precision Brand can do this.



Shim Stock Materials & Sizes

BRASS SHIM

Yellow Colour
Coded Packaging

Size Range

6" x 100" Rolls
.001-.031"

6" x 18" Rolls
.001-.031"

12" x 120" Rolls
.001-.020"

Metric Rolls
150mm x 2.5m
.05-.80mm

STAINLESS

Red Colour
Coded Packaging

Size Range

6" x 100" Rolls
.001-.031"

12" x 50" Rolls
.001-.020"

Metric Rolls
150mm x 1.25m
.05-.80mm

STEEL SHIM

Green Colour
Coded Packaging

Size Range

6" x 100" Rolls
.001-.031"

6" x 18" Rolls
.001-.031"

12" x 120" Rolls
.001-.031"

Metric Rolls
150mm x 2.5m
.05-.80mm

Shim Stock Assortment Packs

BRASS SHIM

Assortment
Packs

Size Range

6" x 12" Pack
12 Pieces
.001-.015"

150 x 300mm Pack
10 Pieces
.05-.80mm

STAINLESS

Assortment
Packs

Size Range

6" x 12" Pack
8 Pieces
.001-.020"

150 x 300mm Pack
8 Pieces
.05-.50mm

STEEL SHIM

Assortment
Packs

Size Range

6" x 12" Pack
12 Pieces
.001-.015"

150 x 300mm Pack
10 Pieces
.05-.80mm

Materials Specification: Brass

Cda-260

- Copper 68.5 - 71.5
- Iron .050 Max
- Lead .050 Max
- Zinc Balance
- Temper Half Hard 2 B&S Numbers Hard
- Rockwell Hardness 30t 56-68 (Approx)
- Tensile Strength 57,000 - 67,000 Psi
- Elongation 18 - 42% In 2"

Meets Specifications:

- Sae-Ca-260
- Cda-260
- Astm-B19, B36

Materials Specification: Stainless Steel

Type 302

- 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
- Ultimate Tensile Strength 185,000 Psi Min
- Yield Strength 140,000 Psi Min
- Elongation 1% To 4% In 2" Min
- Rockwell Hardness 40 - 45 C Scale (Not A Requirement For Astm 666)

Meets Specifications:

- Aisi-T302
- Sae-30302
- Astm-A-666

Materials Specification: Steel

Low Carbon C1008 / C1010

- Carbon .13 Max
- Manganese .30 - .60
- Phosphorus .04 Max
- Sulphur .05 Max
- Temper #1 Full Hard
- Rockwell Hardness
 - < .069 Rb 90 Min.
 - > .070 Rb 84 Min.
- Tensile Strength Not Applicable

Meets Specifications:

- Aisi-1008 / Aisi-1010
- Astm-A109 (Chemistry Only)

Further Reading/Related Products

The Quick Guide To Plastic Colour Coded Shim.

- Available to download from www.lineartools.co.uk

The Quick Guide To Precision Brand Feeler Gauge.

- Available to download from www.lineartools.co.uk