

**Shim Stock**

Inch

Feuilles pour cales d'épaisseur

Pouce

**STEEL Shim Stock**  
 PKG QTY. 1  
**SINGLE ROLLS**

SPAENAUR No.		Thickness in Inches	Equivalent Thickness in mm
6" x 100" ROLLS	12" x 120" ROLLS		
603-001	603-023	.001"	(.025)
603-002	603-024	.0015"	(.038)
603-003	603-025	.002"	(.051)
603-004		.0025"	(.064)
603-005	603-026	.003"	(.076)
603-006		.0035"	(.089)
603-007	603-028	.004"	(.102)
603-008	603-029	.005"	(.127)
603-009	603-030	.006"	(.152)
603-010	603-031	.007"	(.179)
603-011	603-032	.008"	(.203)
603-012	603-033	.009"	(.229)
603-013	603-B03-1W	.010"	(.254)
603-014	603-035	.012"	(.305)
603-015		.0135"	(.343)
603-016	603-036	.015"	(.381)
603-017		.0165"	(.419)
603-018	603-037	.018"	(.457)
603-019	603-038	.020"	(.508)
603-020		.022"	(.559)
603-021	603-039	.025"	(.635)
603-022	603-040	.031"	(.787)

**WHEN ACCURACY COUNTS**  
 Specify  
**PRECISION BRAND**  
**SHIM STOCK**

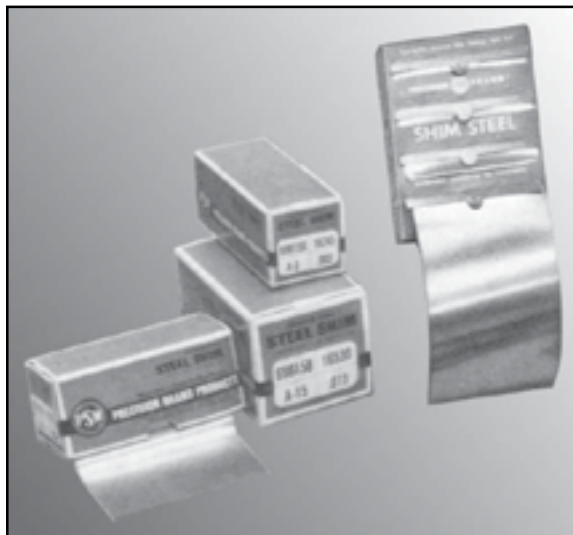


**The economical answer for more precise assembly and product reliability.**

The machinist, tool and die maker, millwright, design engineer have found shim stock an economical answer for solving a variety of industrial and commercial shimming problems.

Precision Brand Steel Shim is a cold rolled, full hard bright finish, low carbon material with a maximum carbon content up to 0.15%, and a minimum hardness of RB80. Shim is versatile. It is universally used for tool and die alignment, arbor spacers, and all shim applications where combined hardness, flatness and accuracy is required. Save hours of costly machine and assembly work. This material is intended for flatwork and punching only, as it has not been annealed after final cold rolling, and is very stiff and springy. Precision Brand Steel Shim meets QQS-698 and AISI-1010. Also meets steel shim standards 16A and 16AA.

When accuracy counts, come to the people who know shim stock and the importance of close tolerances. You don't pay any more for the highest quality available. And you may pay less because of our volume.



**ASSORTMENTS**

SPAENAUR No.	Description	Thickness in Inches
603-041	6" x 12" sheets 1 sheet ea. thickness 12 sheets/set	.001, .0015, .002, .003, .004, .005, .006, .007, .008, .010, .012, .015
603-042	6" x 12" sheets 1 sheet ea. thickness 15 sheets/set	.001, .0015, .002, .003, .004, .005, .006, .007, .008, .010, .012, .015, .020, .025, .031
603-043	6" x 50" rolls 1 roll ea. thickness 4 rolls/box	.001, .002, .003, .005

**LARGE SHEETS (6" x 25")**

SPAENAUR No.	Description	Thickness
603-044	6" x 25" sheets	.012"
603-045	2 sheets/package	.015"
603-046		.020"
603-047	<i>Sold in full package</i>	.025"
603-048	<i>quantities only</i>	.031"

**CHEMISTRY**

C	Mn	P. Max.	S. Max.
.08-.13	.30-.60	.040	.050
Mean Tensile 80,000 PSI			

THICKNESS TOLERANCE		
Thickness	Width	
	6"	12"
.001-.003"	± 10%	± 10%
.004-.006"	± .0005"	± .00075"
.007-.019"	± .00075"	± .001"
.020-.025"	± .001"	± .0015"
.026-.031"	± .0015"	± .002"

Inch

Shim Stock

Pouce

Feuilles pour cales d'épaisseur

# BLUE TEMPERED (STEEL) Shim Stock

## SPECIFICATIONS AND USE

Precision Brand Blue Tempered Spring Steel Shim is a C1095 high carbon, hardened and tempered product to meet the most exacting requirements. This high quality spring steel has a Rockwell hardness range of C 48/51. This material is preferred by tool and die makers for low templates and shim applications where toughness and low fatigue values are required. The blue surface is ideal for scribing layouts. Recommended for various types of coiled and flat mechanical springs, such as those used in tuning devices, electrical assemblies, steel tapes and rules.

Precision Brand Blue Tempered Spring Steel Shim meets the following standards: MIL-S-7947, AMS 5122.

### SINGLE ROLLS 50"

SPAENAUR No.	Thickness	Equivalent Thickness in mm	Width
603-101	.002"	(.051)	3"
603-102	.003"	(.076)	3"
603-103	.004"	(.102)	5"
603-104	.005"	(.127)	6"
603-105	.006"	(.152)	6"
603-106	.007"	(.179)	6"

### LARGE SHEETS (6" x 25")

SPAENAUR No.	Thickness	Equivalent Thickness in mm
603-107	.008"	(.203)
603-108	6" x 25" sheets .010"	(.254)
603-109	2 sheets/package .012"	(.305)
603-110	.015"	(.381)
603-111	.020"	(.508)
603-112	<i>Sold in Full Package</i> .025"	(.635)
603-113	<i>Quantities only.</i> .032"	(.813)

### ASSORTMENT

SPAENAUR No.	Description	Thickness
603-114	6" x 12" sheets 1 sheet ea. thickness <i>6 sheets/set</i>	.005", .010", .015" .020", .025", .032"

### THICKNESS TOLERANCE

Thickness	Width Up to 6" Incl.
.004"	± 10%
.005-.009"	± .00075"
.010-.013"	± .001"
.014-.019"	± .0015"
.020-.032"	± .002"

### CHEMISTRY

C	Mn	P Max.	S Max.
.90-1.03	.30-.50	.040	.050

Tensile: 230,000/250,000 PSI based on Rockwell Hardness C48/51

# STAINLESS STEEL Shim Stock

## SPECIFICATIONS AND USE

Precision Brand Stainless Steel Shim is a T302, cold rolled, full hard material with a hardness of RC-40/45. Because of its accurate thickness and temper, it is widely used for shimming applications where corrosion resistance is required. Also used extensively for spring clips, washers and retainers. Precision Brand Stainless Steel Shim has been recognized for shimming applications in nuclear and fossil-fueled generating stations, oil and gas refineries, and desalinization projects throughout the world. Material certifications available upon request. Precision Brand Stainless Steel Shim meets the following standards: AISI 302, SAE 30302, MIL-S-5059.

### SINGLE ROLLS

SPAENAUR No.		Thickness	Equivalent Thickness in mm
6" x 50" ROLLS	12" x 50" ROLLS		
603-801	—	.0005"	(.013)
603-802	603-818	.001"	(.025)
603-803	—	.0015"	(.038)
603-804	603-819	.002"	(.051)
603-805	603-820	.003"	(.076)
603-806	603-821	.004"	(.102)
603-807	603-822	.005"	(.127)
603-808	603-823	.006"	(.152)
603-809	603-824	.007"	(.179)
603-810	603-825	.008"	(.203)
603-811	—	.009"	(.229)
603-812	603-826	.010"	(.254)
603-813	603-827	.012"	(.305)
603-814	603-828	.015"	(.381)
603-815	603-829	.020"	(.508)
603-816	—	.025"	(.635)
603-817	—	.031"	(.787)

### LARGE SHEETS (12" x 24")

12" x 24" sheets 2 sheets/package	SPAENAUR No.	Thickness	Equivalent Thickness in mm
<i>Sold in Full Package</i>	603-116	.025"	(.635)
<i>Quantities only.</i>	603-115	.031"	(.787)

### ASSORTMENT

SPAENAUR No.	Description	Thickness
603-832	6" x 12" sheets 1 sheet ea. thickness <i>8 sheets/set</i>	.001", .002", .003" .005", .008", .010" .015", .020"

### THICKNESS TOLERANCE

Thickness	Width	
	6"	12"
.0005-.009"	± 10%	± 10%
.010-.019"	± .001"	± .0015"
.020-.028"	± .0015"	± .0015"
.029-.031"	± .002"	± .002"

### CHEMISTRY

C Max.	Mn Max.	Si Max.	P Max.	S Max.	Cr	Ni
0.15	2.00	1.00	0.045	0.030	17.00/ 19.00	8.00/ 10.00

**Shim Stock**

Inch

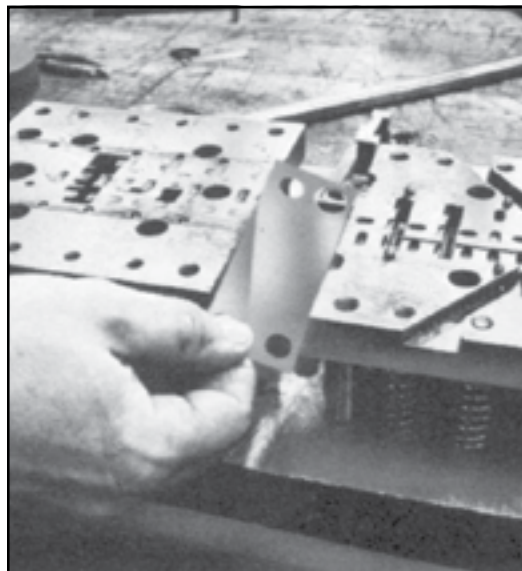
Feuilles pour cales d'epaisseur

Pouce

**BRASS Shim Stock**



**Cut It**



**Shim It**

**SINGLE ROLLS**

SPAENAUR No.		Thickness in Inches	Equivalent Thickness in mm
6" x 100" ROLLS	12" x 120" ROLLS		
603-B04-1M	603-516	.001"	(.025)
603-501	-	.0015"	(.038)
603-502	603-517	.002"	(.051)
603-503	603-518	.003"	(.076)
603-504	603-519	.004"	(.102)
603-B01-1T	603-520	.005"	(.127)
603-506	603-521	.006"	(.152)
603-507	-	.007"	(.179)
603-508	603-522	.008"	(.203)
603-509	-	.009"	(.229)
603-B02-1K	603-523	.010"	(.254)
603-511	-	.012"	(.305)
603-512	603-532	.015"	(.381)
603-513	603-533	.020"	(.508)
603-514	-	.025"	(.635)
603-515	-	.031"	(.787)

**SPECIFICATIONS AND USE**

Precision Brand Brass Shim is a cold rolled, half hard, 70% copper, 30% zinc alloy material with an R30T hardness range of 56/68. Because of its accurate thickness and temper, it is universally used for shimming applications in explosive atmospheres and where corrosion problems exist. Due to its excellent forming quality, it may be lightly drawn, blanked or stamped, and is used extensively in metal sculpture.

Precision Brand Brass Shim meets the following standards: SAE CA 260, ASTM-B36 #6, AMS 4507-C, QQ-B-613-b #2.

**LARGE SHEETS (6" x 25")**

SPAENAUR No.	Description	Thickness in Inches
603-527	6" x 25" sheets	.012
603-528	2 sheets/package	.015
603-529		.020
603-530	<i>Sold in Full Package</i>	.025
603-531	<i>Quantities only</i>	.031

**CHEMISTRY**

Cu	Zn	Approximate Tensile
70	30	62,000 PSI

**ASSORTMENTS**

SPAENAUR No.	Description	Thickness In Inches
603-524	6" x 12" sheets 1 sheet ea. thickness 12 sheets/set	.001, .0015, .002, .003, .004, .005, .006, .007, .008, .010, .012, .015
603-525	6" x 12" sheets 1 sheet ea. thickness 15 sheets/set	.001, .0015, .002, .003, .004, .005, .006, .007, .008, .010, .012, .015, .020, .025, .031
603-526	6" x 50" rolls 1 roll ea. thickness 4 rolls/box	.001, .002, .003, .005

**THICKNESS TOLERANCES**

Thickness in Inches	Width	
	6"	12"
.001" to .003"	±10%	±10%
.004"	±.0003	±.0006
.005" to .006"	±.0004	±.0008
.007" to .009"	±.0006	±.0010
.010" to .013"	±.0008	±.0013
.014" to .017"	±.0010	±.0015
.018" to .021"	±.0013	±.0018
.022" to .031"	±.002	±.002

**D80**

© 2018 Spaenaur Inc. All rights reserved. Catalog may not be reproduced, in whole or in part, without the written permission of Spaenaur Inc. Subject to Catalog Terms and Conditions of Use available at Spaenaur.com and on page TC2 and TC3 at the back of this catalog.  
© 2018 Spaenaur Inc. Tous droits réservés. Le catalogue ne peut être reproduit, en tout ou en partie, sans l'autorisation écrite de Spaenaur Inc. L'utilisation est soumise aux Conditions d'utilisation du Catalogue disponibles sur Spaenaur.com et à la page TC4 et TC5 à la fin de ce catalogue.

Pac-Kit® Feeler Gauge Assortment and Shim Stock Punch and Die Set shown on P77