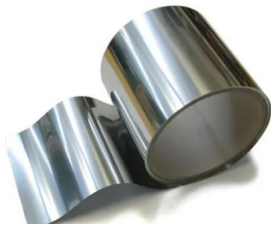


PRODUCT CATALOG

SHIM STOCK

Precision-rolled foils and strips held to strict dimensional tolerances — for shimming, spacing, alignment and sealing in machinery, aerospace, automotive and electronics.



STAINLESS STEEL

SSC • SSWC



BRASS

BRSC • BRWC



COPPER

CUC • CUXC

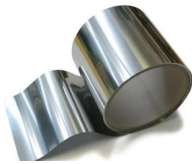


PHOSPHOR BRONZE

PBC • PBXC

THE SHIM STOCK RANGE

Four alloys, one tolerance standard. Every roll is precision-rolled to uniform thickness, edge-trimmed and supplied ready for cutting, punching or laser profiling.



STAINLESS STEEL

Alloy 302 full hard • SS316 & SS304

Non-magnetic, corrosion and heat resistant. The default choice for aerospace, chemical processing and precision machinery.

THICKNESS 0.0005"-0.120"
ROLLS 6" & 12" x 50"/48"
PREFIX SSC • SSWC
PAGE 03-04

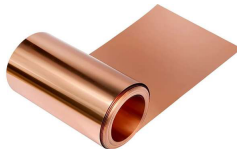


BRASS

Alloy 260 half hard • CDA 260

Malleable and easily formed, with good electrical conductivity for contacts, connectors and gaskets.

THICKNESS 0.001"-0.031"
ROLLS 6" x 100" • 12" x 120"
PREFIX BRSC • BRWC
PAGE 05-06

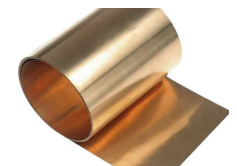


COPPER

CDA-110 annealed • 99.9% Cu

Highest electrical and thermal conductivity; ideal for electronics, HVAC sealing and heat dissipation.

THICKNESS 0.001"-0.032"
ROLLS 6" x 100"/50"
PREFIX CUC • CUXC
PAGE 07-08



PHOSPHOR BRONZE

Alloy 510 spring temper • grade A

Hard, resilient and fatigue resistant, with excellent corrosion resistance in marine environments.

THICKNESS 0.005"-0.064"
ROLLS 6" x 96"/50"
PREFIX PBC • PBXC
PAGE 09-10

TOLERANCE

Strict dimensional control for uniform thickness across the full roll.

CUSTOM SIZES

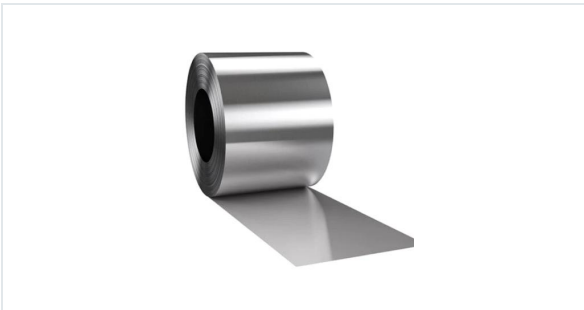
Cut sheets, narrow strip and non-standard widths on request.

SPECIFICATIONS

Supplied to AMS, ASTM, QQ and CDA standards per alloy.

STAINLESS STEEL SHIM STOCK

Alloy 302 full hard
18/8 chrome-nickel
SS316 & SS304



DESCRIPTION

Scarb® Stainless Steel Shim Stock is a technical solution crafted from high-grade stainless steel. Engineered for precision machinery, it adheres to strict dimensional tolerances, offering uniform thickness for fine adjustments. With excellent corrosion resistance it finds application in chemical processing and aerospace. Notably non-magnetic, it is ideal for sensitive electronic devices, ensuring minimal magnetic interference.

FEATURES

- Excellent corrosion resistance for durability in challenging conditions.
- Withstands high temperatures for thermally demanding applications.
- Strict dimensional tolerances give uniform thickness for precise use.
- Non-magnetic where magnetic interference is a concern.
- Resistant to a wide range of chemicals.

APPLICATIONS

- Fine adjustments in precision machinery.
- Corrosion-resistant seals in chemical processing equipment and pipelines.
- Aerospace shimming and precise adjustment.
- Automotive alignment and spacing components.
- Electronic devices needing non-magnetic, corrosion-resistant shims.

ALLOY / TEMPER

Alloy 302 full hard, 18/8 chrome-nickel

HARDNESS

Rockwell C 40–45

SPECIFICATIONS

AMS-5906 · ASTM-A-666 · QQ-S-766

TECHNICAL DATA

MATERIALS: SS316 & SS304

Weights are nominal, in pounds per roll. Thickness shown in inches and millimetres.

50" ROLLS

THICKNESS	6" × 50" ROLLS		12" × 50" ROLLS	
IN / MM	ART. NO.	WT. LBS	ART. NO.	WT. LBS
0.0005" / 0.0127 mm	SSC-X	0.04	SSWC-X	0.09
0.001" / 0.025 mm	SSC-1	0.09	SSWC-1	0.18
0.0015" / 0.038 mm	SSC-1X	0.14	SSWC-1X	0.28
0.002" / 0.051 mm	SSC-2	0.18	SSWC-2	0.36
0.003" / 0.076 mm	SSC-3	0.26	SSWC-3	0.52
0.004" / 0.102 mm	SSC-4	0.35	SSWC-4	0.70
0.005" / 0.127 mm	SSC-5	0.44	SSWC-5	0.88
0.006" / 0.152 mm	SSC-6	0.53	SSWC-6	1.06
0.007" / 0.178 mm	SSC-7	0.62	SSWC-7	1.24
0.008" / 0.203 mm	SSC-8	0.70	SSWC-8	1.40
0.009" / 0.229 mm	SSC-9	0.79	N/A	—
0.010" / 0.254 mm	SSC-10	0.88	SSWC-10	1.76
0.012" / 0.305 mm	SSC-12	1.05	SSWC-12	2.10
0.015" / 0.381 mm	SSC-15	1.32	SSWC-15	2.64
0.020" / 0.508 mm	SSC-20	1.76	SSWC-20	3.52
0.025" / 0.635 mm	SSC-25	2.19	SSWC-25	4.38
0.031" / 0.787 mm	SSC-31	2.72	SSWC-31	5.44

48" ROLLS — HEAVY GAUGES

THICKNESS	6" × 48" ROLLS		12" × 48" ROLLS	
0.040" / 1.00 mm	SSC-40	2.87	SSWC-40	5.73
0.060" / 1.50 mm	SSC-60	4.40	SSWC-60	8.81
0.080" / 2.00 mm	SSC-80	5.73	SSWC-80	11.00
0.120" / 2.00 mm	SSC-120	8.81	SSWC-120	16.53



Standard widths are 6" and 12". Cut sheets, narrow strip and non-standard widths are available on request — contact Scarb with your gauge, width and quantity.

BRASS SHIM STOCK

Alloy 260 half hard
Rockwell 30T 56–68
CDA 260



RETAIL PACKAGING

DESCRIPTION

Scarb® Brass Shim Stock is a high-quality solution tailored for diverse industrial needs. Engineered from corrosion-resistant brass alloy, it offers precise versatility across a wide range of thickness options. Its malleability ensures easy integration into machinery, making it ideal for precision adjustments, while superior electrical conductivity suits electrical contacts and connectors.

FEATURES

- Wide range of thickness options in one series.
- High-quality brass alloy ensures corrosion resistance and durability.
- Malleable nature facilitates easy shaping and forming.
- Excellent electrical conductivity for electronic and industrial use.
- Broadly applicable, with customisation on request.

APPLICATIONS

- Gasket manufacturing for reliable automotive and industrial seals.
- Electrical contacts and components in electronic devices.
- Aerospace shimming and precise adjustment.
- Precision shims for machine alignment and functionality.
- Automotive alignment adjustments and critical components.

ALLOY / TEMPER

Alloy 260 half hard temper

HARDNESS / TENSILE

Rockwell 30T 56–68 · 57,000–67,000 PSI

SPECIFICATIONS

CDA 260 · ASTM-B19 & B36 · SAE-CA 260

TECHNICAL DATA

ALLOY 260 · HALF HARD

Weights are nominal, in pounds per roll. Thickness shown in inches and millimetres.

THICKNESS	6" × 100" ROLLS		12" × 120" ROLLS	
IN / MM	ART. NO.	WT. LBS	ART. NO.	WT. LBS
0.001" / 0.025 mm	BRSC-1	0.19	BRWC-1	0.45
0.0015" / 0.038 mm	BRSC-1X	0.28	N/A	—
0.002" / 0.051 mm	BRSC-2	0.37	BRWC-2	0.89
0.003" / 0.076 mm	BRSC-3	0.55	BRWC-3	1.33
0.004" / 0.102 mm	BRSC-4	0.74	BRWC-4	1.78
0.005" / 0.127 mm	BRSC-5	0.93	BRWC-5	2.22
0.006" / 0.152 mm	BRSC-6	1.11	BRWC-6	2.66
0.007" / 0.178 mm	BRSC-7	1.30	N/A	—
0.008" / 0.203 mm	BRSC-8	1.48	BRWC-8	3.55
0.009" / 0.229 mm	BRSC-9	1.66	N/A	—
0.010" / 0.254 mm	BRSC-10	1.85	BRWC-10	4.44
0.012" / 0.305 mm	BRSC-12	2.22	BRWC-12	5.32
0.015" / 0.381 mm	BRSC-15	2.77	BRWC-15	6.65
0.020" / 0.508 mm	BRSC-20	3.70	BRWC-20	8.87
0.025" / 0.635 mm	BRSC-25	4.62	BRWC-25	11.09
0.031" / 0.787 mm	BRSC-31	5.73	BRWC-31	13.75



Brass shim stock is supplied in 6" × 100" and 12" × 120" rolls as standard. Cut sheets, narrow strip and non-standard widths are available on request.

COPPER SHIM STOCK

CDA-110 annealed
99.9% copper
ASTM-B-152



SHIPPING CARTON

DESCRIPTION

Scarb® Copper Shim Stock, crafted from high-purity copper, is designed for fine-tuning and precision applications. Its uniform thickness ensures accurate adjustments in precision machinery. With superior electrical and thermal conductivity it is widely used in electronics, HVAC systems and automotive applications, while its malleability and plating compatibility allow easy customisation.

FEATURES

- Exceptional electrical and thermal conductivity for heat dissipation.
- Highly malleable and ductile for precise adjustment.
- Excellent compatibility with plating for specialised finishes.
- High-purity copper for reliable performance in critical work.
- Corrosion resistant in non-oxidising environments.

APPLICATIONS

- Electronics: fine adjustment and precise alignment.
- HVAC systems: tight seals and proper airflow control.
- Automotive spacing, shimming and alignment.
- Telecommunications grounding and shielding.
- Aerospace heat dissipation and precision shimming.

ALLOY / TEMPER

CDA-110 annealed, 99.9% copper

TENSILE STRENGTH

26,000–38,000 PSI

SPECIFICATIONS

ASTM-B-152 · QQ-C-576 · AMS-4500

TECHNICAL DATA

CDA-110 · ANNEALED

Weights are nominal, in pounds per roll. All rolls 6" wide.

THICKNESS	6" × 100" ROLLS		6" × 50" ROLLS	
IN / MM	PART NO.	WT. LBS	PART NO.	WT. LBS
0.001" / 0.025 mm	CUC-1	0.19	CUXC-1	0.10
0.002" / 0.051 mm	CUC-2	0.38	CUXC-2	0.19
0.003" / 0.076 mm	CUC-3	0.57	CUXC-3	0.29
0.004" / 0.102 mm	CUC-4	0.74	CUXC-4	0.37
0.005" / 0.127 mm	CUC-5	0.92	CUXC-5	0.46
0.006" / 0.152 mm	CUC-6	1.11	CUXC-6	0.56
0.007" / 0.178 mm	CUC-7	1.29	CUXC-7	0.65
0.008" / 0.203 mm	CUC-8	1.48	CUXC-8	0.74
0.010" / 0.254 mm	CUC-10	1.85	CUXC-10	0.93
0.015" / 0.381 mm	CUC-15	2.77	CUXC-15	1.39
0.020" / 0.508 mm	CUC-20	3.66	CUXC-20	1.83
0.025" / 0.635 mm	CUC-25	4.62	CUXC-25	2.31
0.032" / 0.812 mm	CUC-32	5.91	CUXC-32	2.96



Copper shim stock is supplied in 6" widths as standard, in 100" and 50" roll lengths. Heavier gauges, cut sheets and plated finishes are available on request.

PHOSPHOR BRONZE SHIM STOCK

Alloy 510 spring
temper grade A
ASTM-B-103



SHIPPING CARTON

DESCRIPTION

Scarb® Phosphor Bronze Shim Stock combines high durability with exceptional corrosion resistance. Crafted from a high-phosphorus bronze alloy, it features uniform thickness for accurate adjustment in machinery and components. Superior electrical conductivity suits electronics and electrical work, while its mechanical properties ensure reliable performance in HVAC systems and automotive parts.

FEATURES

- Superior mechanical properties: high strength and durability.
- Excellent corrosion resistance in marine and industrial settings.
- High electrical conductivity for electrical and electronic use.
- Exceptional malleability and ductility for precise adjustment.
- Compatible with a range of plating and finishing processes.

APPLICATIONS

- Springs, contacts and fatigue-loaded shims in electronics.
- HVAC systems: tight seals and airflow control.
- Automotive spacing, shimming and alignment.
- Marine and industrial assemblies needing corrosion resistance.
- Aerospace heat dissipation and precision shimming.

ALLOY / TEMPER

Alloy 510 spring tempered,
grade A

TENSILE STRENGTH

95,000–110,000 PSI

SPECIFICATIONS

ASTM-B-103 · AMS-4510

TECHNICAL DATA

ALLOY 510 · SPRING TEMPER

Weights are nominal, in pounds per roll. All rolls 6" wide.

THICKNESS	6" × 96" ROLLS		6" × 50" ROLLS	
IN / MM	PART NO.	WT. LBS	PART NO.	WT. LBS
0.005" / 0.127 mm	PBC-5	0.92	PBXC-5	0.43
0.008" / 0.203 mm	PBC-8	1.48	PBXC-8	0.69
0.010" / 0.254 mm	PBC-10	1.85	PBXC-10	0.86
0.013" / 0.330 mm	PBC-13	2.40	PBXC-13	1.12
0.016" / 0.406 mm	PBC-16	2.95	PBXC-16	1.37
0.020" / 0.508 mm	PBC-20	3.69	PBXC-20	1.72
0.025" / 0.635 mm	PBC-25	4.60	PBXC-25	2.14
0.032" / 0.812 mm	PBC-32	5.90	PBXC-32	2.74
0.040" / 1.02 mm	PBC-40	7.38	PBXC-40	3.43
0.050" / 1.27 mm	PBC-50	9.22	PBXC-50	4.28
0.064" / 1.63 mm	PBC-64	11.81	PBXC-64	5.48



Spring-tempered phosphor bronze is hard, resilient and fatigue resistant; it offers excellent electrical properties and cold-working characteristics, and can be soldered and welded.