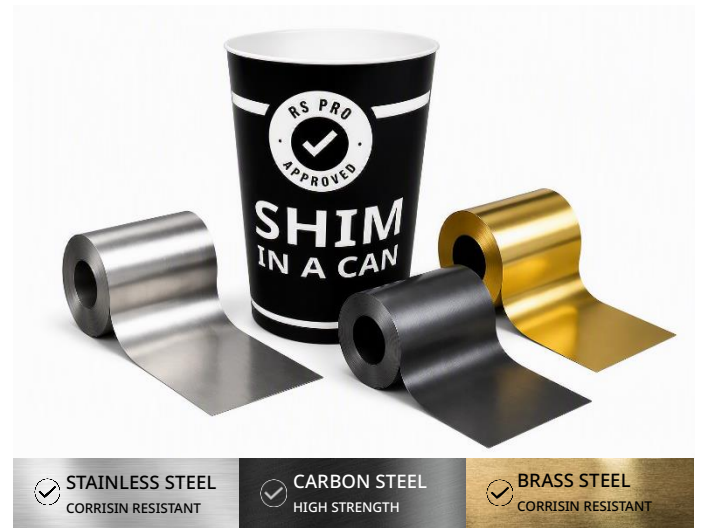


Precision Shim Stock for Accurate Spacing, Alignment and Levelling

RS PRO Shim Stock is designed to fill gaps, create precise spacing, and provide reliable alignment across a wide range of engineering, maintenance and manufacturing applications. Manufactured to tight thickness tolerances, RS PRO Shim Stock delivers consistent performance where accuracy is critical, helping engineers and technicians achieve precise positioning, adjustment and load distribution.

Available in Stainless Steel, Carbon Steel and Brass, the range offers solutions for applications requiring corrosion resistance, high strength or excellent formability. Supplied in a convenient "Shim in a Can" format, the material remains protected, organised and ready for use whenever precision adjustments are required.



Why Choose RS PRO Shim Stock?

- Precision Thickness Control
 - *Manufactured to rigorous tolerances to provide accurate and consistent thickness throughout the material, helping ensure reliable spacing and alignment.*
- Multiple Material Options
 - *Choose from Stainless Steel, Carbon Steel or Brass to suit different operating environments and performance requirements.*
- Easy to Cut and Shape
 - *The material can be cut, trimmed and formed to meet the specific requirements of your application.*
- Convenient Packaging
 - *Available in the popular Shim in a Can format, helping to maintain material condition while providing easy storage and dispensing.*

RS PRO Shim Stock is commonly used for:

- Equipment installation and setup
- Machinery alignment and levelling
- Tool and die alignment
- Motor and pump positioning
- Arbor spacers
- Bearing clearance adjustment
- Automotive and commercial vehicle maintenance
- Machine repair and maintenance
- General engineering and fabrication work

Technical Specifications

Specification	Stainless Steel	Carbon Steel	Brass
Material Type	300 Series Full-Hard Stainless Steel	Full-Hard Cold-Rolled Low Carbon Steel (1008-1010)	CDA 260 Brass (70% Copper / 30% Zinc)
Form	Individual Rolls and Assorted Thickness Packs	Individual Rolls and Assorted Thickness Packs	Individual Rolls and Assorted Thickness Packs
Key Benefit	Corrosion & Oxidation Resistance	High Strength & Hardness	Excellent Formability
Corrosion Resistance	Excellent	Moderate	Good
Strength	High	Very High	Moderate
Workability	Good	Good	Excellent
Precision Thickness Tolerances	Yes	Yes	Yes
Suitable for Cutting & Shaping	Yes	Yes	Yes
Typical Uses	Alignment, levelling, machinery maintenance, tool & die setup	Heavy-duty spacing, machinery alignment, machine repair, tool setup	Bearing adjustment, marine applications, machine maintenance, custom fabrication

Available Thickness Range

Specification	Stainless Steel	Carbon Steel
Stainless Steel	0.05 mm – 0.80 mm	0.001" – 0.020"
Carbon Steel	0.05 mm – 0.80 mm	0.001" – 0.025"
Brass	0.05 mm – 0.65 mm	0.001" – 0.010"

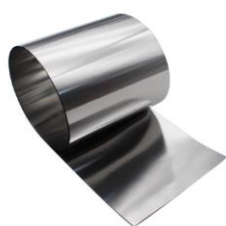
Packaging Options

RS PRO Shim Stock is available in a range of convenient packaging formats to suit different maintenance, workshop and production requirements.

Shim in a Can



Shim in a Box



Assortment Packs

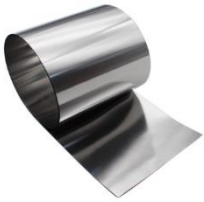


Coiled shim stock in a protective can

Flat shim stock supplied in a cardboard box

Multiple thicknesses in one pack

Stainless Steel Shim Stock



Designed for applications requiring excellent corrosion resistance and long-term durability. Manufactured from full-hard 300 series stainless steel, it offers high strength and resistance to oxidation, making it suitable for demanding industrial environments.

Typical applications:

- Machinery alignment
- Pump and motor levelling
- Tool and die setup
- Equipment maintenance
- Precision spacing and adjustment

<i>Mechanical Properties</i>	
<i>Tensile Strength</i>	170,000 psi minimum
<i>Hardness</i>	Rockwell Hardness C40-45
<i>Density</i>	7.9 to 8.03 g/cm ³
<i>Yield Strength</i>	140,000 psi minimum
<i>Thermal Conductivity</i>	~51.9 W/m·K
<i>Elongation in 2"</i>	2% min
<i>Compliance</i>	SAE-30302, AISI-T302, ASTM A666

RS stock code	Form	No/PK	Length	Width	Thickness
767806	Coil	1 Stainless Can	50in	6in	0.001in
767811	Coil	1 Stainless Can	1250mm	150mm	0.30mm
767812	Coil	1 Stainless Box	1250mm	150mm	0.50mm
767813	Coil	1 Stainless Can	1250mm	150mm	0.05mm
767814	Coil	1 Stainless Can	1250mm	150mm	0.25mm
767828	Coil	1 Stainless Box	50in	6in	0.020in
767808	Coil	1 Stainless Can	1250mm	150mm	0.20mm
767816	Coil	1 Stainless Can	1250mm	150mm	0.15mm
767818	Coil	1 Stainless Box	1250mm	150mm	0.65mm
767823	Coil	Assorted 8 Imperial-sized shims	12in	6in	See below*
767825	Coil	1 Stainless Box	50in	6in	0.015in
767807	Coil	1 Stainless Can	1250mm	150mm	0.10mm
767809	Coil	Assorted 8 metric-sized shims	30mm	150mm	See below**
767815	Coil	1 Stainless Box	1250mm	150mm	0.40mm
767817	Coil	1 Stainless Box	1250mm	150mm	0.80mm
767824	Coil	1 Stainless Can	50in	6in	0.008in
767827	Coil	1 Stainless Can	50in	6in	0.004in
767819	Coil	1 Stainless Can	50in	6in	0.010in
767821	Coil	1 Stainless Can	50in	6in	0.005in
767820	Coil	1 Stainless Can	50in	6in	0.003in
767822	Coil	1 Stainless Can	50in	6in	0.002in

* Assorted 8 Imperial-sized shims: 0.001, 0.002in, 0.003in, 0.005in, 0.008in, 0.010in, 0.015in, 0.020in

** Assorted 8 metric-sized shims: 0.05mm, 0.10mm, 0.15mm, 0.20mm, 0.25mm, 0.30mm, 0.40mm, 0.50mm

Carbon Steel Shim Stock



Manufactured from full-hard cold-rolled low-carbon steel, offering high strength, durability and resistance to deformation under load. Ideal for heavy-duty industrial and engineering applications.

Typical applications:

- Machine installation
- Equipment levelling
- Heavy machinery alignment
- Tool and die positioning
- Maintenance and repair operations

<i>Mechanical Properties</i>	
<i>Ultimate Tensile Strength</i>	<i>185,000 psi minimum</i>
<i>Hardness</i>	<i>Rockwell RB84 Minimum</i>
<i>Density</i>	<i>Approximately 7.85 g/cm³ (0.284 lb/in³)</i>
<i>Melting Range</i>	<i>1,425 – 1,540 °C (2,600 – 2,800 °F)</i>
<i>Thermal Conductivity</i>	<i>~51.9 W/m·K</i>
<i>Compliance</i>	<i>AISI 1008, AISI 1010, ASTM A109</i>

RS stock code	Form	No/PK	Length	Width	Thickness
767727	Coil	1 Carbon Box	2500mm	150mm	0.40mm
767728	Coil	1 Carbon Box	2500mm	150mm	0.80mm
767729	Coil	1 Carbon Box	2500mm	150mm	0.65mm
767730	Coil	Assorted 8 metric-sized shims	300mm	150mm	See below*
767723	Coil	1 Carbon Can	2500mm	150mm	0.10mm
767734	Coil	1 Carbon Can	100in	6in	0.002in
767726	Coil	1 Carbon Can	2500mm	150mm	0.15mm
767732	Coil	1 Carbon Can	100in	6in	0.010in
767741	Coil	Assorted 12 Imperial-sized shims	12in	6in	See below**
767722	Coil	1 Carbon Can	2500mm	150mm	0.05mm
767724	Coil	1 Carbon Can	2500mm	150mm	0.30in
767735	Coil	1 Carbon Can	100in	6in	0.005in
767733	Coil	1 Carbon Can	100in	6in	0.004in
767718	Coil	1 Carbon Box	2500mm	150mm	0.50mm
767720	Coil	1 Carbon Can	2500mm	150mm	0.20mm
767721	Coil	1 Carbon Can	2500mm	150mm	0.25mm
767736	Coil	1 Carbon Box	100in	6in	0.020in
767737	Coil	1 Carbon Box	100in	6in	0.015in
767738	Coil	1 Carbon Can	100in	6in	0.003in
767739	Coil	1 Carbon Can	100in	6in	0.008in
767740	Coil	1 Carbon Box	100in	6in	0.025in

* Assorted 8 metric-sized shims: 0.05mm, 0.10mm, 0.15mm, 0.20mm, 0.25mm, 0.30mm, 0.40mm, 0.50mm

** Assorted 12 Imperial-sized shims: 0.001in, 0.0015in, 0.002in, 0.003in, 0.004in, 0.005in, 0.006in, 0.007in, 0.008in, 0.010in, 0.012in, 0.015in

Brass Shim Stock



A versatile material combining corrosion resistance with excellent forming and machining characteristics. Brass shim stock is easy to cut, stamp, shape and customise to suit specific application requirements.

Typical applications:

- Bearing clearance adjustments
- Machine maintenance
- Marine applications
- Piping and tubing systems
- Custom-made components

<i>Mechanical Properties</i>	
<i>Tensile Strength</i>	<i>57,000 - 67,000 p.s.i.</i>
<i>Rockwell Hardness</i>	<i>30T 56 - 68 approx.</i>
<i>Elongation</i>	<i>18 - 42% in 2 inches</i>
<i>Temper</i>	<i>Half Hard (2 B&S Numbers hard)</i>
<i>Compliance</i>	<i>SAE-CA-260, ASTM B36, AMS 4507, MIL-C-10375</i>

RS stock code	Form	No/PK	Length	Width	Thickness
783257	Coil	1 Brass Can	2500mm	150mm	0.20mm
783259	Coil	1 Brass Can	2500mm	150mm	0.30mm
783266	Coil	1 Brass Can	100in	6in	0.005in
783268	Coil	1 Brass Can	100in	6in	0.007in
783264	Coil	1 Brass Can	100in	6in	0.003in
783265	Coil	1 Brass Can	100in	6in	0.010in
783261	Coil	1 Brass Box	2500mm	150mm	0.65mm
783262	Coil	Assorted 12 Imperial-sized shims	12in	6in	See below**
783263	Coil	1 Brass Can	100in	6in	0.002in
783267	Coil	1 Brass Can	100in	6in	0.001in
783269	Coil	1 Brass Can	100in	6in	0.004in
783258	Coil	1 Brass Can	2500mm	150mm	0.05mm
783260	Coil	1 Brass Can	2500mm	150mm	0.15mm
783253	Coil	Assorted 8 metric-sized shims	300mm	150mm	See below*
783254	Coil	1 Brass Box	2500mm	150mm	0.50mm
783255	Coil	1 Brass Can	2500mm	150mm	0.25mm
783256	Coil	1 Brass Can	2500mm	150mm	0.10mm
783270	Coil	1 Brass Box	100in	6in	0.020in
783271	Coil	1 Brass Can	100in	6in	0.008in

* Assorted 8 metric-sized shims: 0.05mm, 0.10mm, 0.15mm, 0.20mm, 0.25mm, 0.30mm, 0.40mm, 0.50mm

** Assorted 12 Imperial-sized shims: 0.001in, 0.0015in, 0.002in, 0.003in, 0.004in, 0.005in, 0.006in, 0.007in, 0.008in, 0.010in, 0.012in, 0.015in