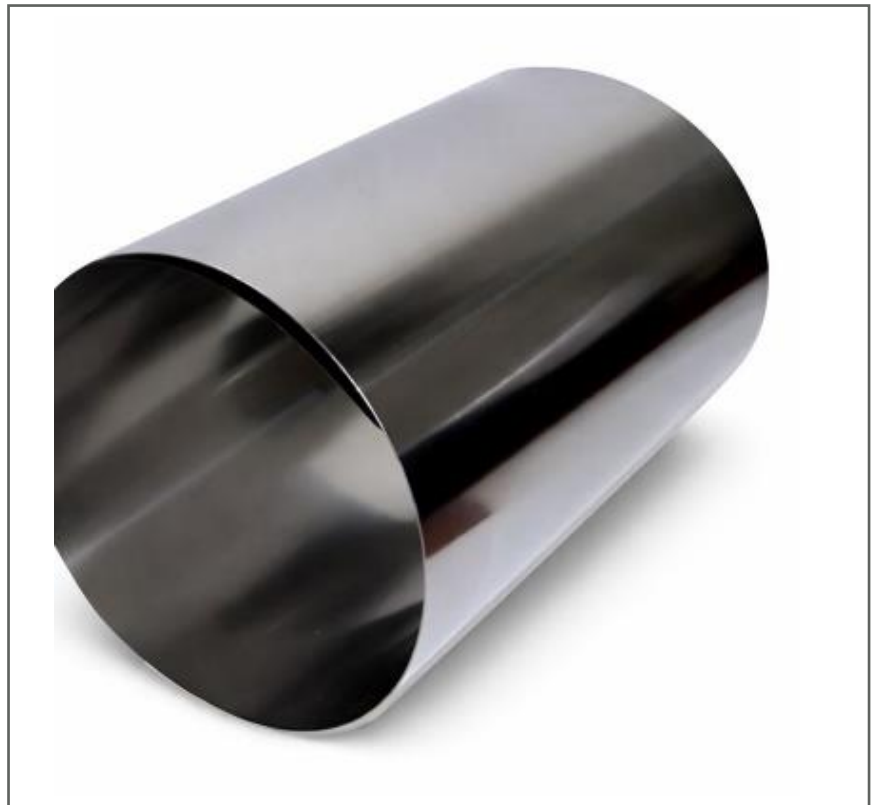


## Features

- **Packaging:** Supplied in a durable can in order to maintain the material's flatness and protect against corrosion.
- **Material:** Made from full-hard, cold-rolled, low-carbon 1008-1010 steel.
- **High Hardness:** The steel offers excellent resistance to deformation under significant loads, suitable for high-stress industrial environments.
- **Precision Tolerances:** The material is manufactured to rigorous precision tolerances, ensuring a uniform and consistent thickness across the entire roll or sheet.
- **Available in both rolls and assortment kits** for flexibility in various applications, allowing users to cut and shape the material to specific requirements.

## RS PRO CARBON (SHIM IN A CAN) L:100IN X W:6IN X T:0.004IN

RS Stock No: 0767733



RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

**Product Description*****RS PRO Precision Carbon Steel "Shim in a Can"***

*RS PRO Precision Carbon Steel "Shim in a Can" provides a carbon steel packing shim used for precision levelling and spacing in engineering, construction, and carpentry.*

***Key Features:***

- *Carbon steel shims are known for their strength and durability, handling heavy loads and resisting wear well in high-stress environments.*
- *Corrosion Protection: Often supplied in a protective tube or "box" to maintain flatness and prevent oxidation.*
- *Can be easily cut into custom shapes for machinery maintenance, tool and die setup, and motor mounting.*
- *High-hardness temper makes it suitable for applications requiring minimal deformation under load.*

***Applications:***

- *Level surfaces in industrial and mechanical applications.*
- *Aligning and levelling pumps, motors, and other heavy machinery.*
- *Spacing for fasteners and securing bolts in construction.*
- *Adjusting tool and die sets during manufacturing.*
- *Machine Repair - Used to fill small gaps*

**General Specifications**

|                 |                                            |
|-----------------|--------------------------------------------|
| <b>Material</b> | Steel (full hard, cold rolled, low carbon) |
| <b>Form</b>     | Shim in a Can                              |
| <b>Length</b>   | 100IN                                      |

|           |         |
|-----------|---------|
| Width     | 6IN     |
| Thickness | 0.004IN |

Mechanical Properties

|                           |                                         |
|---------------------------|-----------------------------------------|
| Ultimate Tensile Strength | 185,000 psi minimum                     |
| Hardness                  | Rockwell RB90 Minimum                   |
| Density                   | Approximately 7.85 g/cm³ (0.284 lb/in³) |
| Melting Range             | 1,425 – 1,540 °C (2,600 – 2,800 °F)     |
| Thermal Conductivity      | ~51.9 W/m·K                             |

Approvals

|                           |                                     |
|---------------------------|-------------------------------------|
| Compliance/Certifications | AISI-1008 / AISI-1010 and ASTM A109 |
|---------------------------|-------------------------------------|

Similar Products

| RS Code | Form            | Thickness                                                      |
|---------|-----------------|----------------------------------------------------------------|
| 0767718 | BOX             | 0.50MM                                                         |
| 0767720 | CAN             | 0.20MM                                                         |
| 0767721 | CAN             | 0.25MM                                                         |
| 0767722 | CAN             | 0.05MM                                                         |
| 0767723 | CAN             | 0.10MM                                                         |
| 0767724 | CAN             | 0.30MM                                                         |
| 0767726 | CAN             | 0.15MM                                                         |
| 0767727 | BOX             | 0.40MM                                                         |
| 0767728 | BOX             | 0.80MM                                                         |
| 0767729 | BOX             | 0.65MM                                                         |
| 0767730 | ASSORTED 8 PACK | 0.05MM, 0.10MM, 0.15MM, 0.20MM, 0.25MM, 0.30MM, 0.40MM, 0.50MM |
| 0767732 | CAN             | 0.01IN                                                         |
| 0767734 | CAN             | 0.002IN                                                        |
| 0767735 | CAN             | 0.005IN                                                        |
| 0767736 | BOX             | 0.020IN                                                        |
| 0767737 | BOX             | 0.015IN                                                        |
| 0767738 | CAN             | 0.003IN                                                        |
| 0767739 | CAN             | 0.008IN                                                        |
| 0767740 | BOX             | 0.025IN                                                        |



|         |                  |                                                                                                                   |
|---------|------------------|-------------------------------------------------------------------------------------------------------------------|
| 0767741 | ASSORTED 12 PACK | 0.001IN, 0.0015IN, 0.002IN, 0.003IN, 0.004IN,<br>0.005IN, 0.006IN, 0.007IN, 0.008IN, 0.010IN,<br>0.012IN, 0.015IN |
|---------|------------------|-------------------------------------------------------------------------------------------------------------------|