

Features

- **Packaging:** Supplied in a durable box to maintain the material's flatness and protect against corrosion.
- **Metric Thicknesses:** Range from 0.05mm to 0.80mm
- **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 BOX) L:2500MM X W:150MM X T:0.50MM

RS Stock No: 0767718



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 Carbon Steel "Shim in a Box"***

RS PRO Carbon Steel "Shim in a Box" 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.*
- *Produced with tight tolerances to ensure uniform thickness across the entire 2.5m roll.*
- *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

Material	Steel (full hard, cold rolled, low carbon)
Form	Shim in a Box
Length	2500MM

Width	150MM
Thickness	0.50MM

Mechanical Properties

Ultimate Tensile Strength	185,000 psi minimum
Hardness	Rockwell RB84 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
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Similar Products

RS Code	Form	Thickness
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
0767733	CAN	0.004IN
0767734	CAN	0.002IN
0767735	CAN	0.005IN
0767736	BOX	0.02IN
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, 0.005IN, 0.006IN, 0.007IN, 0.008IN, 0.010IN, 0.012IN, 0.015IN