



## Datasheet

# Yellow Brass Shim



### Description:

Precision Brand Brass shim is a cold rolled half hard 70% copper, 30% zinc alloy material. 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.

### Material and Mechanical Properties:

Material	Brass CDA 260 alloy
Copper	68.5 – 71.5
Iron	0.050 Max.
Lead	0.050 Max.
Zinc	Balance
Temper	Half Hard 2 B&S Numbers hard
Hardness	Rockwell 30T 56 – 68 (Approx)
Tensile Strength	57,000 – 67,000 PSI
Elongation	18 – 42% in 2"
Meets Specifications	SAE-CA-260 CDA-260 ASTM-B19, B36



**Accuracy Specifications:**

Metric:

Thickness mm	Tolerance mm
0.05	± 0.006
0.10	± 0.010
0.15	± 0.013
0.20	± 0.019
0.25	± 0.025
0.30	± 0.026
0.40 & 0.50	± 0.045
0.65 & 0.80	± 0.066

Imperial:

Thickness inch	Tolerance 6" Width	Tolerance 12" Width
0.001 – 0.003	± 10%	± 10%
0.004	± 0.0003	± 0.0006
0.005 – 0.006	± 0.0004	± 0.0008
0.007 – 0.009	± 0.0006	± 0.0010
0.010 – 0.013	± 0.0008	± 0.0013
0.014 – 0.017	± 0.0010	± 0.0015
0.018 – 0.021	± 0.0013	± 0.0018
0.022 – 0.031	± 0.002	± 0.002

**Metric Shim Rolls: 150 mm wide**

RS Code	Thickness mm	Box Qty	Included in Assortment Pack	Width mm	Length	Weight kilos	Weight lbs
<a href="#">519-002</a>	0.05mm	1	Yes	150mm	2.5mtr	0.19	0.42
<a href="#">518-839</a>	0.10mm	1	Yes	150mm	2.5mtr	0.33	0.72
<a href="#">519-084</a>	0.15mm	1	Yes	150mm	2.5mtr	0.52	1.14
<a href="#">518-992</a>	0.20mm	1	Yes	150mm	2.5mtr	0.69	1.52
<a href="#">518-772</a>	0.25mm	1	Yes	150mm	2.5mtr	0.83	1.83
<a href="#">518-712</a>	0.30mm	1	Yes	150mm	2.5mtr	1.02	2.24
<a href="#">519-125</a>	0.40mm	1	Yes	150mm	2.5mtr	1.25	2.76
<a href="#">518-968</a>	0.50mm	1	Yes	150mm	2.5mtr	1.75	3.85
<a href="#">518-958</a>	0.65mm	1	Yes	150mm	2.5mtr	2.29	5.04
<a href="#">518-766</a>	0.80mm	1	Yes	150mm	2.5mtr	2.98	6.58



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**Metric Shim Assortment Pack: 150 mm wide by 300 mm long**

RS Code	Description	Range	No. Of Sheets	Weight kilos
<a href="#">518-728</a>	Brass Assortment Pack Metric	0.05mm – 0.80mm	10	1.427

**Inch Shim Rolls: 6" Wide**

RS Code	Thickness inch	Box Qty	Included in Assortment Pack	Width in	Length in	Weight kilos	Weight lbs
<a href="#">518-885</a>	0.001"	1	Yes	6"	100"	0.13	0.29
<a href="#">518-889</a>	0.002"	1	Yes	6"	100"	0.21	0.46
<a href="#">518-920</a>	0.003"	1	Yes	6"	100"	0.29	0.64
<a href="#">518-924</a>	0.005"	1	Yes	6"	100"	0.47	1.03
<a href="#">518-914</a>	0.006"	1	Yes	6"	100"	0.55	1.21
<a href="#">519-006</a>	0.008"	1	Yes	6"	100"	0.71	1.57
<a href="#">518-974</a>	0.012"	1	Yes	6"	100"	1.11	2.44
<a href="#">518-964</a>	0.015"	1	Yes	6"	100"	1.40	3.08
<a href="#">518-817</a>	0.020"	1		6"	100"	1.66	3.67
<a href="#">518-790</a>	0.025"	1		6"	100"	2.30	5.08
<a href="#">519-080</a>	0.031"	1		6"	100"	2.78	6.13

**Inch Shim Assortment Pack: 6" Wide by 12" long**

RS Code	Description	Range	No. Of Sheets	Weight kilos
<a href="#">519-018</a>	Brass Assortment Pack Inch	0.001" – 0.015"	12	0.845