



Individual Slotted Shims with Tabs

All sizes have tabs with holes, for easier, safer installation and removal. All shims conform to standard bolt and stud size. Each is marked with thickness in decimal and metric.



Approved Vendor				Maudlin Products				Approved Vendor				Maudlin Products			
Shim Thickness	Slot Width	Slot Depth	Item Pkg. Qty.	Shim Thickness	Slot Width	Slot Depth	Item Pkg. Qty.	Shim Thickness	Slot Width	Slot Depth	Item Pkg. Qty.	Shim Thickness	Slot Width	Slot Depth	Item Pkg. Qty.
A-2" x 2"				B-3" x 3"				C-4" x 4"							
0.001"	3/8"	1 1/2"	36D718 20	0.001"	1/4"	2 1/8"	36D731 20	0.001"	1 1/4"	2 3/4"	36D744 20	0.001"	1 1/4"	2 3/4"	2ZN8 20
0.002"	3/8"	1 1/2"	36D719 20	0.002"	1/4"	2 1/8"	36D732 20	0.002"	1 1/4"	2 3/4"	36D745 20	0.002"	1 1/4"	2 3/4"	2ZN9 20
0.003"	3/8"	1 1/2"	36D720 20	0.003"	1/4"	2 1/8"	36D733 20	0.003"	1 1/4"	2 3/4"	36D746 20	0.003"	1 1/4"	2 3/4"	2ZN1 20
0.004"	3/8"	1 1/2"	36D721 20	0.004"	1/4"	2 1/8"	36D734 20	0.004"	1 1/4"	2 3/4"	36D747 20	0.004"	1 1/4"	2 3/4"	2ZN2 20
0.005"	3/8"	1 1/2"	36D722 20	0.005"	1/4"	2 1/8"	36D735 20	0.005"	1 1/4"	2 3/4"	36D748 20	0.005"	1 1/4"	2 3/4"	2ZN3 20
0.01"	3/8"	1 1/2"	36D723 20	0.01"	1/4"	2 1/8"	36D736 20	0.01"	1 1/4"	2 3/4"	36D749 20	0.01"	1 1/4"	2 3/4"	2ZN4 20
0.015"	3/8"	1 1/2"	36D724 20	0.015"	1/4"	2 1/8"	36D737 20	0.015"	1 1/4"	2 3/4"	36D750 20	0.015"	1 1/4"	2 3/4"	2ZN5 20
0.02"	3/8"	1 1/2"	36D725 20	0.02"	1/4"	2 1/8"	36D738 20	0.02"	1 1/4"	2 3/4"	36D751 20	0.02"	1 1/4"	2 3/4"	2ZN6 20
0.025"	3/8"	1 1/2"	36D726 20	0.025"	1/4"	2 1/8"	36D739 20	0.025"	1 1/4"	2 3/4"	36D752 20	0.025"	1 1/4"	2 3/4"	2ZN7 20
0.05"	3/8"	1 1/2"	36D727 10	0.05"	1/4"	2 1/8"	36D740 10	0.05"	1 1/4"	2 3/4"	36D753 10	0.05"	1 1/4"	2 3/4"	2ZN8 10
0.075"	3/8"	1 1/2"	36D728 10	0.075"	1/4"	2 1/8"	36D741 10	0.075"	1 1/4"	2 3/4"	36D754 10	0.075"	1 1/4"	2 3/4"	2ZN9 10
0.1"	3/8"	1 1/2"	36D729 5	0.1"	1/4"	2 1/8"	36D742 5	0.1"	1 1/4"	2 3/4"	36D755 5	0.1"	1 1/4"	2 3/4"	2ZR1 5
0.125"	3/8"	1 1/2"	36D730 5	0.125"	1/4"	2 1/8"	36D743 5	0.125"	1 1/4"	2 3/4"	36D756 5	0.125"	1 1/4"	2 3/4"	2ZR2 5

Carbon Steel Information

Material	Tensile Strength (psi)*	Yield Strength (psi)*	Hardness (BHN)*	Toughness	Wear Resistance	Formability	Machinability†	Weldability
Low Carbon Grade								
Low Carbon - Cold Rolled	38,000 to 50,000	25,000 to 35,000	107 Max.	Fair	Fair	Excellent	Good	Excellent
Low Carbon - Hot Rolled	58,000 to 80,000	36,000	107 Max.	Fair	Fair	Excellent	Good	Excellent
1009	60,000	33,000	149	Fair	Fair	Fair	Good	Excellent
1015	58,000	42,000	149	Fair	Fair	Good	Good	Excellent
1018	65,000 to 85,000	55,000 to 75,000	167	Fair	Fair	Good	Good	Excellent
Medium Carbon Grade								
1045	90,000	59,000	—	Good	Poor	Fair	Fair	Poor
1144	100,000	95,500	223	Good	Poor	Fair	Good	Poor
Screw Machine Grade								
12L14	78,000 to 85,000	60,000 to 75,000	187	Poor	Poor	Poor	Excellent	Not Recommended
1215	78,000 to 95,000	60,000 to 80,000	187	Poor	Fair	Not Recommended	Excellent	Not Recommended

* Typical levels @ 1" dia. † Compared to AISI 1212, which has 100% machinability.

Carbon Steel—Plates



- Standards: ASTM A36 (hot-rolled); ASTM A366 (cold-roll)
- Length and width tolerances: +0.125/-0.000"

Note: Additional sizes are available; call 1-800-GRAINGER (472-4643).

Thickness (Decimal)	Thickness Tolerance	1 FT. x 1 FT. Item No.	2 FT. x 1 FT. Item No.	4 FT. x 1 FT. Item No.	4 FT. x 2 FT. Item No.
Hot Rolled A36 Steel					
0.125 in	+/-0.030"	3DR7	3DR8	3DR9	3DR2
0.187 in	+/-0.030"	3DRU3	3DRU4	3DRU5	3DRU6
0.25 in	+/-0.030"	3DRU7	3DRU8	3DRU9	3DRV1
Cold Finish 1008 Steel					
0.062 in	+/-0.0025"	3DRW5	3DRW6	3DRW7	3DRW8
0.047 in	+/-0.0020"	3DRW9	3DRX1	3DRX2	3DRX3
0.032 in	+/-0.0015"	3DRX4	3DRX5	3DRX6	3DRX7

Carbon Steel—90° Angles



- Low carbon alloy steel
- Length tolerance: ±0.125"
- Length 6 ft.

Note: Additional sizes are available; call 1-800-GRAINGER (472-4643).

Leg Length	Leg Length Tolerance	Thickness	Thickness Tolerance	Item No.
1/4 in Thickness				
1 in	+/-0.0313 in	+/-0.010 in	—	2AUT3
1 1/2 in	+/-0.046 in	+/-0.010 in	—	2AUT4
2 in	+/-0.046 in	+/-0.010 in	—	2AUT5
2 1/2 in	+/-0.0625 in	+/-0.015 in	—	2AUT6
3 in	+/-0.125 in	+/-0.015 in	—	2AHN1
4 in	+/-0.125 in	+/-0.015 in	—	2AHN2
3/8 in Thickness				
3/4 in	+/-0.0313 in	+/-0.008 in	—	2AHL9
1 in	+/-0.0313 in	+/-0.008 in	—	2AUR7
1 1/4 in	+/-0.046 in	+/-0.010 in	—	2AUR8
1 1/2 in	+/-0.046 in	+/-0.010 in	—	2AUR9
2 in	+/-0.046 in	+/-0.010 in	—	2AUT1
1/2 in Thickness				
1 1/2 in	+/-0.046 in	+/-0.010 in	—	2AUT2

Carbon Steel—Hexagonal Rods

- 1018 alloy meets ASTM 108, UNS# G10180, AISI 1018
- 12L14 alloy meets ASTM 108, UNS# G1244
- Length tolerance: 1-ft. ±1.000", 3-ft. ±3.000", 6-ft. ±6.000"

Note: Additional sizes are available; call 1-800-GRAINGER (472-4643).

Hex Width	Hex Width Tolerance	1 FT LENGTH Item No.	3 FT LENGTH Item No.	6 FT LENGTH Item No.
1018 Carbon Steel				
1/2"	+0.000/-0.002 in	—	—	2HJN1
3/8"	+0.000/-0.002 in	—	—	2HJN2
3/4"	+0.000/-0.002 in	—	—	2HJN3
1"	+0.000/-0.003 in	2AVF5	—	2HJN5
1 1/4"	+0.000/-0.003 in	2AVF6	2AVG1	2HJN6
1 1/2"	+0.000/-0.003 in	—	—	2HJN7
2"	+0.000/-0.004 in	—	2AVG3	—
2 1/2"	+0.000/-0.004 in	2AVF9	2AVG4	2HJN9

Carbon Steel—Tread Plates



- 1009 alloy steel meets ASTM A786

- Length and width tolerances: +0.125/-0.000"

Easily welded material provides excellent skid resistance.

Note: Additional sizes are available; call 1-800-GRAINGER (472-4643).

Thickness	Thickness Tolerance	1 ft x 1 ft Item No.	2 ft x 1 ft Item No.	4 ft x 1 ft Item No.	4 ft x 2 ft Item No.
3/8 in	+/-0.015 in	3DRV2	3DRV3	3DRV4	3DRV5
1/2 in	+/-0.017 in	3DRV6	3DRV7	3DRV8	3DRV9
3/4 in	+/-0.017 in	3DRV1	3DRV2	3DRV3	3DRV4

Carbon Steel—Structural Square Tubes



- 1015 alloy meets ASTM A500 Grade B

- Length tolerance: +0.125/-0.000"

- Length 6 ft.

Note: Additional sizes are available; call 1-800-GRAINGER (472-4643).

Outside Dia.	Outside Dia. Tolerance	Wall Thickness	Wall Thickness Tolerance	Item No.
1/8 in Wall Thickness				
3/4"	+/-0.025"	+/-0.013 in	—	3DRR4
1"	+/-0.025"	+/-0.013 in	—	3DRR5
1 1/4"	+/-0.025"	+/-0.013 in	—	3DRR6
1 1/2"	+/-0.025"	+/-0.013 in	—	3DRR7
2"	+/-0.025"	+/-0.013 in	—	3DRR8
3"	+/-0.025"	+/-0.013 in	—	3DRR9
3/16 in Wall Thickness				
1 1/2"	+/-0.025"	+/-0.019 in	—	3DRT1
2"	+/-0.025"	+/-0.019 in	—	3DRT2
2 1/2"	+/-0.025"	+/-0.019 in	—	3DRT3
3"	+/-0.025"	+/-0.019 in	—	3DRT4
1/4 in Wall Thickness				
2"	+/-0.025"	+/-0.025 in	—	3DRT5
3"	+/-0.025"	+/-0.025 in	—	3DRT6
4"	+/-0.025"	+/-0.025 in	—	3DRT7