



# **WORKPLACE SHELVING STORAGE RACKS SHOP FURNITURE & SPECIALTY STORAGE**

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# Slotted Angle

## Easy to use. Easy to Build

Tri-Boro slotted angle helps you build an efficient framing system for a variety of uses from machine guards to hand rails. Slotted Angle is the most versatile, time and cost effective construction material available for building carts, ladders, benches, shelving, cases, racks or any other type of structure. Made of either 12 or 14 gauge roll-formed steel. Slotted Angle is finished in Gray Powder Coat Enamel or corrosion resistant galvanized finish.

### Easy to use... Just measure, cut and bolt together.

- Scientifically designed pattern of holes and slots are perfectly positioned for bolting pieces together at various angles without needing to drill holes.
- No special tools required but our slotted angle cutter cuts completely through with one fast easy stroke.
- Prime, cold rolled steel with painted or hot dipped, rust-resistant, galvanized finish.
- Available in 96", 120" and 144" lengths in 14 gauge and 12 gauge steel.
- Each standard order includes 75 count box of 5/16" x 5/8" hex cap screws with nuts. These heavy duty bolts and nuts assure a strong structure for years of use.
- 100% reusable. Even short pieces of angle can be used as a cleat to join together angle lengths into longer ones.
- Old outmoded structures can be unbolted and reassembled into new ones.

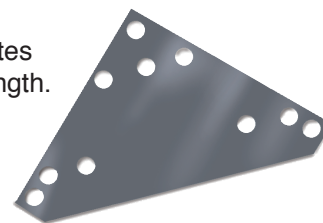
## The Ideal Material to Build Carts, Scaffolds, Benches, Platforms, Framing, and So Much More in an Economical Way.



## Slotted Angle Accessories

### Gusset Plates

- Galvanized steel corner plates give added rigidity and strength.
- 14 gauge cold rolled steel measures 6" x 6"
- 10 pieces per package.



### Nuts and Bolts

- Zinc-plated 3/8" – 16 x 3/4" Hex head bolts and nuts available in boxes of 75 each.

### Casters

- Use heavy duty casters with slotted angle to make special trucks and carts.
- Available as swivel, swivel with brake, and rigid.
- 5" x 1 1/4" casters are rated at 250 pounds each.



Model Number	Size	Wt.
CS (Swivel Caster)	5" x 1-1/4"	2.0
CSL (Swivel Caster w/ Side Brake)	5" x 1-1/4"	2.0
CR (Rigid Caster)	5" x 1-1/4"	2.0

## Slotted Angle Cutter

- Cuts all slotted angle sizes, burr free in one fast operation.
- Cuts any pieces to length including short pieces to be used for cleats.
- Cuts both sides of the L shape in one operation.
- Long 36" and 42" handles provide lots of leverage.



# Slotted Angle Components & Specifications

## 14 Gauge – For Average Jobs

Cold-rolled high strength steel – recommended when extreme load are not required

- Nominal size 1-1/2" x 1-1/2" and 1-1/2" x 2-1/2"
- Available in 8', 10' and 12' lengths, painted or galvanized
- Packaged 10 pieces per bundle

Painted Model No.	Galvanized Model No.	Gauge	Size	Pieces Per Bundle
SA15158	SA15158GAL	14	1-1/2" x 1-1/2" x 8'	10
SA151510	SA151510GAL	14	1-1/2" x 1-1/2" x 10'	10
SA151512	SA151512GAL	14	1-1/2" x 1-1/2" x 12'	10
SA25158	SA25158GAL	14	1-1/2" x 2-1/2" x 8'	10
SA251510	SA251510GAL	14	1-1/2" x 2-1/2" x 10'	10
SA251512	SA251512GAL	14	1-1/2" x 2-1/2" x 12'	10

## 12 Gauge – For Heavy Duty Jobs

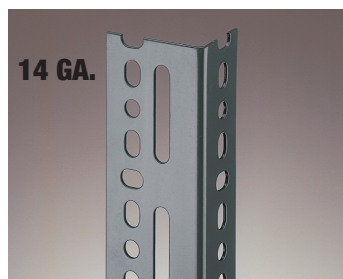
Heavier weight cold-rolled high strength steel – recommended for use when greater strength and carrying capacity is required.

- Nominal size 3" x 1 1/2"
- Available in 8', 10' and 12' lengths, painted or galvanized
- Packaged 10 pieces per bundle

Painted Model No.	Galvanized Model No.	Gauge	Size	Pieces Per Bundle
SA30158	SA30158GAL	12	1-1/2" x 3" x 8'	10
SA301510	SA301510GAL	12	1-1/2" x 3" x 10'	10
SA301512	SA301512GAL	12	1-1/2" x 3" x 12'	10



1-1/2" x 1-1/2" x 10' 0"



2-1/2" x 1-1/2" x 10' 0"

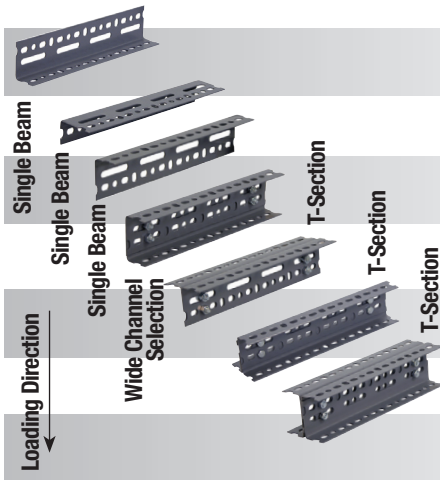


3 x 1-1/2" x 10' 0"

### Load Capacities When Slotted Angle is Used as Beams

(Horizontal Members)  
In Pounds Each Section

Combination sections are bolted together on 6" centers. Capacities based on uniformly distributed load. For concentrated loads, use half these figures.



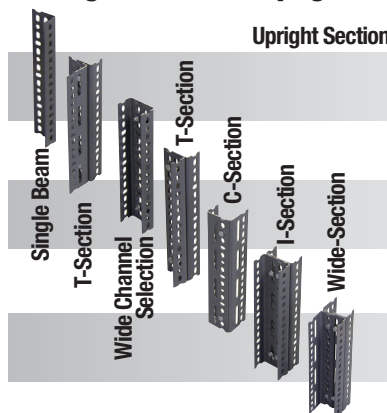
### SPAN

Size	GA	3 FT	4 FT	5 FT	6 FT	7FT	8 FT	9 FT	10 FT
1 1/2" X 2 1/4"	14	331	230	-	-	-	-	-	-
1 1/2" X 3"	12	621	450	362	-	-	-	-	-
1 1/2" X 2 1/4"	14	441	316	210	-	-	-	-	-
1 1/2" X 3"	12	590	421	294	197	-	-	-	-
1 1/2" X 2 1/4"	14	772	527	397	306	235	173	-	-
1 1/2" X 3"	12	1,400	909	631	499	374	270	212	-
1 1/2" X 2 1/4"	14	1,418	1,070	761	613	466	362	284	257
1 1/2" X 3"	12	2,799	2,061	1,540	1,236	970	762	567	430
1 1/2" X 2 1/4"	14	1,860	1,365	1,018	806	657	540	455	352
1 1/2" X 3"	12	3,735	2,664	2,064	1,704	1,413	1,161	951	777
1 1/2" X 2 1/4"	14	2,621	1,884	1,491	1,227	1,022	851	727	633
1 1/2" X 3"	12	4,707	3,615	2,917	2,430	2,048	1,765	1,546	1,386
1 1/2" X 2 1/4"	14	3,146	2,232	1,799	1,477	1,266	1,119	1,004	900
1 1/2" X 3"	12	5,850	4,538	3,621	3,096	2,705	2,352	2,073	1,812

### Load Capacities When Slotted Angle is Used as Uprights

(Vertical Posts)  
In Pounds Each Section

To determine safe allowable load per column, use longest vertical space between horizontal braces.



### HEIGHT

Size	GA	3 FT	4 FT	5 FT	6 FT	7FT	8 FT	9 FT	10 FT
1 1/2" X 2 1/4"	14	2,302	1,899	1,526	1,188	806	-	-	-
1 1/2" X 3"	12	3,308	2,775	2,165	1,602	1,251	900	-	-
1 1/2" X 2 1/4"	14	4,917	4,527	3,974	3,342	2,739	2,385	2,208	-
1 1/2" X 3"	12	7,482	6,807	6,080	5,214	4,235	3,396	3,317	2,214
1 1/2" X 2 1/4"	14	5,139	4,860	4,505	4,091	3,623	3,096	2,587	2,129
1 1/2" X 3"	12	8,069	7,734	7,329	6,897	5,871	5,277	4,622	3,902
1 1/2" X 2 1/4"	14	9,849	9,021	7,965	6,683	5,486	4,770	4,419	4,140
1 1/2" X 3"	12	14,963	13,622	12,168	10,434	8,481	6,795	6,273	4,428
1 1/2" X 2 1/4"	14	10,269	9,707	9,009	8,168	7,250	6,174	5,171	4,253
1 1/2" X 3"	12	16,565	15,998	15,237	14,382	13,062	12,254	11,012	9,567

**Note:** CAUTION: All loads given are based on uniform loading. Consideration must be given to concentrated loads, shock loads and methods using material handling