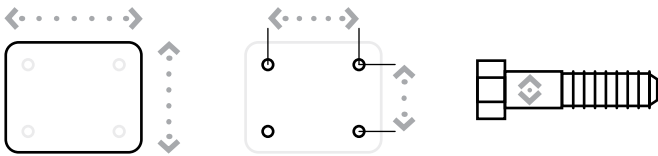


# CASTERS V-GROOVE



## MAXIMUM CAPACITY

**15,000** lbs.



Top Plate Size	Bolt Hole Spacing	Bolt Diameter
Standard 30: 4" x 4.5"	2.625" x 3.625" Slotted to 3" x 3"	0.375"
Standard 50: 4" x 5"	2.625" x 3.625" Slotted to 3" x 3"	0.375"
Standard 60: 4.5" x 6.25"	2.438" x 4.93" Slotted to 3.375" x 5.25"	0.5"
Standard 70: 5" x 7.25"	3.375" x 5.25" Slotted to 4.125" x 6.125"	0.5"
Standard 80: 6" x 7.5"	4.5" x 6"	0.5"
Standard 90/91/95: 8.5" x 8.5"	7" x 7"	0.625"

## FEATURES

V-groove caster swivel sections are hot forged from C-1045 steel. The wheels are highly adaptable and can operate on angle iron track or on normal floor surfaces. A relief groove at the base of the "V" equalizes the load to each face of the angle track. In addition, all wheel faces and "V" grooves are machined concentric to the bore for proper tracking. The wheel bearings are either straight roller bearings or precision tapered roller bearings.

## APPLICATIONS

V-groove wheels are used for exceptionally heavy loads where precise alignment or indexing or equipment is necessary. These casters are capable of guiding industrial ovens, paint booths and other similar equipment.

## BENEFITS

V-groove wheels are constructed of premium G-3000 gray iron castings or hot forged C-1030 steel. The 90 degree grooves are accurately machined into the face of the wheels. A relief groove at the base of the "V" directs the load to each face of the angle track when in use.

V-groove wheels can be used on a track, flat surface or both without fear of damage.

Exceptionally strong and ideal for heavy loads, the V-groove wheels are able to be machined out for keyway or various bore sizes.

Wheel material codes: Cast iron (15); heavy-duty cast iron (16); forged steel (25); heavy-duty forged steel (26).

# CASTERS V-GROOVE

## STRAIGHT ROLLER BEARING (KINGPIN)

Diameter	Width	Material	Capacity	OAH	Swivel Lead	Series	Part Number	Weight
4	2.00	Cast Iron	1,000	5.63	1.50	50	<a href="#">50-04201-15-1</a>	7.00
4	2.00	Cast Iron	1,000	5.63	1.50	60	<a href="#">60-04201-15-1</a>	10.00
6	2.50	Cast Iron	2,000	7.50	2.50	65	<a href="#">65-06251-15-1</a>	23.00
6	2.50	Cast Iron	2,500	8.00	2.50	70	<a href="#">70-06251-15-1</a>	27.00
8	2.50	Cast Iron	2,500	10.50	2.50	70	<a href="#">70-08251-15-1</a>	35.00
8	3.00	Cast Iron	3,500	10.50	2.50	70	<a href="#">70-08301-15-1</a>	40.00
8	3.00	Forged Steel	3,500	10.50	2.50	70	<a href="#">70-08301-25-1</a>	33.00
10	3.00	Cast Iron	3,500	12.50	2.50	70	<a href="#">70-10301-15-1</a>	45.00
6	3.00	Forged Steel	5,000	8.50	2.50	80	<a href="#">80-06301-25-1</a>	45.00
8	3.00	Forged Steel	5,000	10.50	2.50	80	<a href="#">80-08301-25-1</a>	45.00
8	4.00	Forged Steel	5,000	10.50	2.50	80	<a href="#">80-08401-25-1</a>	55.00
10	3.00	H.D. Cast Iron	4,000	12.50	2.50	80	<a href="#">80-10301-16-1</a>	55.00
10	3.00	H.D. Forged Steel	5,000	12.50	2.50	80	<a href="#">80-10301-26-1</a>	55.00
10	4.00	Forged Steel	5,000	12.50	2.50	80	<a href="#">80-10401-25-1</a>	74.00
6	3.00	Forged Steel	6,000	8.50	2.50	85	<a href="#">85-06301-25-1</a>	45.00
8	4.00	Forged Steel	8,400	10.50	2.50	85	<a href="#">85-08401-25-1</a>	55.00
10	3.00	H.D. Forged Steel	6,000	12.50	2.50	85	<a href="#">85-10301-26-1</a>	53.00
10	4.00	Forged Steel	8,400	12.50	2.50	85	<a href="#">85-10401-25-1</a>	74.00
6	3.00	Forged Steel	6,000	9.00	2.25	90	<a href="#">90-06301-25-1</a>	60.00
8	4.00	Forged Steel	8,000	11.00	2.25	90	<a href="#">90-08401-25-1</a>	73.00
10	3.00	H.D. Cast Iron	4,000	13.00	2.50	90	<a href="#">90-10301-16-1</a>	65.00
10	3.00	H.D. Forged Steel	8,000	13.00	2.50	90	<a href="#">90-10301-26-1</a>	68.00
10	4.00	Forged Steel	8,000	13.00	2.50	90	<a href="#">90-10401-25-1</a>	89.00
8	4.00	Forged Steel	8,400	11.00	2.25	95	<a href="#">95-08401-25-1</a>	73.00
10	4.00	Forged Steel	8,400	13.00	2.50	95	<a href="#">95-10401-25-1</a>	89.00

## STRAIGHT ROLLER BEARING (KINGPINLESS)

Diameter	Width	Material	Capacity	OAH	Swivel Lead	Series	Part Number	Weight
12	4.00	Ductile Iron	8,400	15.50	2.50	91	<a href="#">91-12401-16-1</a>	141.00
12	5.00	Ductile Iron	9,500	15.50	2.50	91	<a href="#">91-12501-16-1</a>	157.00

Capacity listed is for manual operation. For powered operations, consult factory.

Part Numbers listed are for the swivel casters.

For rigid casters, change the last digit from 1 to 2 (i.e. 95-10409-26-1-2).

Estimated weight is for swivel caster. Deduct 20 percent for rigid casters.

For specific V-groove dimensions, see page 140. All dimensions are in inches. All weights are in pounds.

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# CASTERS V-GROOVE

## PRECISION TAPERED BEARING (KINGPIN)

Diameter	Width	Material	Capacity	OAH	Swivel Lead	Series	Part Number	Weight
6	2.50	Cast Iron	2,000	7.50	2.50	65	<a href="#">65-06259-15-1</a>	23.00
8	3.00	Cast Iron	2,000	10.13	2.50	65	<a href="#">65-08309-15-1</a>	36.00
6	2.50	Cast Iron	2,500	8.00	2.50	70	<a href="#">70-06259-15-1</a>	27.00
8	2.50	Cast Iron	2,500	10.50	2.50	70	<a href="#">70-08259-15-1</a>	35.00
8	3.00	Cast Iron	3,500	10.50	2.50	70	<a href="#">70-08309-15-1</a>	40.00
8	3.00	Forged Steel	3,500	10.50	2.50	70	<a href="#">70-08309-25-1</a>	33.00
10	3.00	Cast Iron	3,500	12.50	2.50	70	<a href="#">70-10309-15-1</a>	45.00
6	3.00	Forged Steel	5,000	8.50	2.50	80	<a href="#">80-06309-25-1</a>	45.00
8	3.00	Forged Steel	5,000	10.50	2.50	80	<a href="#">80-08309-25-1</a>	45.00
8	4.00	Forged Steel	5,000	10.50	2.50	80	<a href="#">80-08409-25-1</a>	55.00
10	3.00	H.D. Cast Iron	4,000	12.50	2.50	80	<a href="#">80-10309-16-1</a>	55.00
10	3.00	H.D. Forged Steel	5,000	12.50	2.50	80	<a href="#">80-10309-26-1</a>	55.00
10	4.00	Forged Steel	5,000	12.50	2.50	80	<a href="#">80-10409-25-1</a>	74.00
6	3.00	Forged Steel	10,000	8.50	2.50	85	<a href="#">85-06309-25-1</a>	45.00
8	4.00	Forged Steel	10,000	10.50	2.50	85	<a href="#">85-08409-25-1</a>	55.00
10	3.00	H.D. Forged Steel	6,000	12.50	2.50	85	<a href="#">85-10309-26-1</a>	53.00
10	4.00	Forged Steel	10,000	12.50	2.50	85	<a href="#">85-10409-25-1</a>	74.00
6	3.00	Forged Steel	10,000	9.00	2.25	90	<a href="#">90-06309-25-1</a>	60.00
8	4.00	Forged Steel	8,000	11.00	2.25	90	<a href="#">90-08409-25-1</a>	73.00
10	3.00	H.D. Cast Iron	4,000	13.00	2.50	90	<a href="#">90-10309-16-1</a>	65.00
10	3.00	H.D. Forged Steel	8,400	13.00	2.50	90	<a href="#">90-10309-26-1</a>	68.00
10	4.00	Forged Steel	8,000	13.00	2.50	90	<a href="#">90-10409-25-1</a>	89.00
6	3.00	H.D. Forged Steel	15,000	9.00	2.25	95	<a href="#">95-06309-26-1</a>	50.00
8	4.00	Forged Steel	10,000	11.00	2.25	95	<a href="#">95-08409-25-1</a>	73.00
8	4.00	H.D. Forged Steel	15,000	11.00	2.25	95	<a href="#">95-08409-26-1</a>	73.00
10	4.00	Forged Steel	10,000	13.00	2.50	95	<a href="#">95-10409-25-1</a>	89.00
10	4.00	H.D. Forged Steel	15,000	13.00	2.50	95	<a href="#">95-10409-26-1</a>	89.00

## PRECISION TAPERED BEARING (KINGPINLESS)

Diameter	Width	Material	Capacity	OAH	Swivel Lead	Series	Part Number	Weight
12	4.00	Ductile Iron	10,000	15.50	2.50	91	<a href="#">91-12409-16-1</a>	141.00
12	5.00	Ductile Iron	10,000	15.50	2.50	91	<a href="#">91-12509-16-1</a>	157.00

Capacity listed is for manual operation. For powered operations, consult factory.

Part Numbers listed are for the swivel casters. For rigid casters, change the last digit from 1 to 2 (i.e. 95-10409-26-1-2)

Estimated weight is for swivel caster. Deduct 20 percent for rigid casters.

For specific V-groove dimensions, see page 140. All dimensions are in inches. All weights are in pounds.