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70 Series Kingpinless™ Casters

Heavy Duty Kingpinless™ Casters



RWM Caster's 70 Series features extra heavy duty kingpinless caster construction using our patented offset raceway for additional strength. This caster is one of our earliest success stories and is still proven to outperform kingpin design casters in demanding industrial caster applications. This caster series is proudly Made in the USA!

If you don't see what you want, RWM's engineering team can custom design a caster for any application!

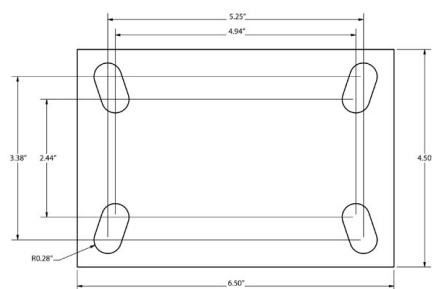


70-VIR-0830-S



70-DUR-0825-S

Top Plates

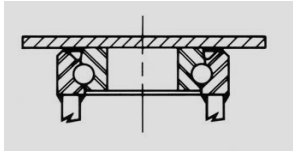


Standard Top Plate

Swivel Sections and Cross Sections

KINGPINLESS™ CASTER SWIVEL SECTION

Raceway Diameter



Features

Raceway Design: 2-3/4" diameter with 1/2" carbon steel balls. Load and thrust are accommodated by our patented Kingpinless™ design. Precision machined; hardened to 53 Rockwell C. minimum.

Leg Thickness: 1/4" formed steel

Axle: 1/2" bolt and nut. Lubrication - Zerk fitting in axle on 2" wide wheels, 3/4" axle on 2-1/2" and 3" wide wheels

Capacity: 6,000 lbs.

Finish: Laguna Blue powder coat

Wheels: 2" wide wheels are equipped with either 3/4" roller bearing which rotates on a 3/4" hardened and ground spanner, annular bearing, or a delrin/plain wheel bearing. 2-1/2" and 3" wide wheels are equipped with either a 1" I.D. straight roller bearing which rotates on a spanner bushing, 3/4" I.D. tapered bearings that rotate on the axle, or precision ball bearings.

Mounting Plate Size: 4-1/2" x 6-1/2" x 5/16"

Bolt Hole Spacing: 2-7/16" x 4-15/16", slotted to 3- 3/8" x 5-1/4"

Mounting Bolt Diameter: 1/2"

Applications

The 70 Series is the perfect solution for:

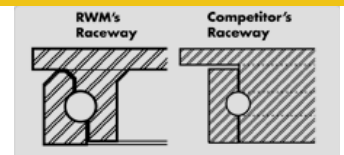
- tire manufacturing
- fixture carts
- trash gondolas
- drywall dollies
- autoclave dollies

Benefits of Kingpinless™ Raceway

Our patented offset precision-machined raceway exerts radial force evenly where there is full contact between the ball bearing and the raceway. RWM's unique design adds more mass at key points. This, plus more thorough heat treatment, provides additional strength and combats brinelling into the core material.

The Result:

- No direct "hammering" forces on the intersections of the raceways
- Vastly reduced raceway wear
- Elimination of the "pull apart" forces of stress in the swivel section
- Smoother swiveling action
- High maneuverability
- Longer service life
- Less maintenance
- Extra impact resistance
- High radial force absorption



Specifications

Wheel Diameter	Wheel Width	Wheel Type	lbs. Capacity	Overall Height	Caged, Straight Roller Bearing	Flanged, Sealed Precision, 1pc. Ball Bearing	Plain, Oilite, Calcon Bearing	Swivel Load	Approx Weight
4"	1-1/2"	Forged Steel	1400	5-5/8"	70- FSR -0415-S		70- FSC -0415-S	1-3/16"	10.0
4"	2"	Cast Iron	800	5-5/8"	70- CIR -0420-S	70- CIB -0420-S	70- CIC -0420-S	1-3/16"	10.0

4"	2"	Durastan	800	5-5/8"	70-DUR-0420-S	70-DUB-0420-S	70-DUC-0420-S	1-3/16"	8.0
4"	2"	GT	1050	5-5/8"		70-GTB-0420-S		1-3/16"	8.0
4"	2"	High Temp. Nylon	800	5-5/8"	70-HNR-0420-S			1-3/16"	8.0
4"	2"	Nylatron HD	2000	5-5/8"		70-NYB-0420-S		1-3/16"	8.5
4"	2"	Performance TPR	350	5-5/8"	70-RPR-0420-S	70-RPB-0420-S	70-RPC-0420-S	1-3/16"	8.3
4"	2"	Polyolefin	500	5-5/8"	70-POR-0420-S	70-POB-0420-S	70-POC-0420-S	1-3/16"	8.0
4"	2"	Rubber on Aluminum-EHT	700	5-5/8"		70-RAB-0420-S-EHT		1-3/16"	7.8
4"	2"	Rubber on Iron	350	5-5/8"	70-RIR-0420-S		70-RIC-0420-S	1-3/16"	8.0
4"	2"	Solid Urethane	700	5-5/8"		70-MUB-0420-S		1-3/16"	5.5
4"	2"	Urethane on Aluminum	700	5-5/8"	70-UAR-0420-S		70-UAC-0420-S	1-3/16"	7.5
4"	2"	Urethane on Iron	700	5-5/8"	70-UIR-0420-S		70-UIC-0420-S	1-3/16"	8.0
4"	2"	Urethane Polypropylene	600	5-5/8"	70-UPR-0420-S	70-UPB-0420-S	70-UPC-0420-S	1-3/16"	8.3
4"	2"	V-Groove Iron	800	5-5/8"	70-VIR-0420-S		70-VIC-0420-S	1-3/16"	10.0
4"	2"	Signature	400	5-5/8"		70-SWB-0420-S	70-SWC-0420-S	1-3/16"	5.5
4"	2"	Pinnacle	800	5-5/8"	70-PNR-0420-S	70-PNB-0420-S	70-PNC-0420-S	1-3/16"	5.2
5"	2"	Cast Iron	1000	6-1/2"	70-CIR-0520-S	70-CIB-0520-S	70-CIC-0520-S	1-1/2"	12.0
5"	2"	Durastan	1000	6-1/2"	70-DUR-0520-S	70-DUB-0520-S	70-DUC-0520-S	1-1/2"	9.0
5"	2"	Forged Steel	1500	6-1/2"	70-FSR-0520-S		70-FSC-0520-S	1-1/2"	12.0
5"	2"	GT	1200	6-1/2"		70-GTB-0520-S		1-1/2"	9.0
5"	2"	High Temp. Nylon	1000	6-1/2"	70-HNR-0520-S			1-1/2"	9.0
5"	2"	Nylatron HD	2000	6-1/2"		70-NYB-0520-S		1-1/2"	9.5
5"	2"	Performance TPR	375	6-1/2"	70-RPR-0520-S	70-RPB-0520-S	70-RPC-0520-S	1-1/2"	8.3
5"	2"	Polyolefin	650	6-1/2"	70-POR-0520-S	70-POB-0520-S	70-POC-0520-S	1-1/2"	9.0
5"	2"	Rubber on Aluminum-EHT	800	6-1/2"		70-RAB-0520-S-EHT		1-1/2"	8.9
5"	2"	Rubber on Iron	400	6-1/2"	70-RIR-0520-S		70-RIC-0520-S	1-1/2"	9.0
5"	2"	Solid Urethane	1000	6-1/2"		70-MUB-0520-S		1-1/2"	5.7
5"	2"	Urethane on Aluminum	1050	6-1/2"	70-UAR-0520-S		70-UAC-0520-S	1-1/2"	8.5
5"	2"	Urethane on Iron	1050	6-1/2"	70-UIR-0520-S		70-UIC-0520-S	1-1/2"	9.0
5"	2"	Urethane Polypropylene	750	6-1/2"	70-UPR-0520-S	70-UPB-0520-S	70-UPC-0520-S	1-1/2"	8.3
5"	2"	V-Groove Iron	800	6-1/2"	70-VIR-0520-S		70-VIC-0520-S	1-1/2"	12.0
5"	2"	Signature	500	6-1/2"	70-SWR-0520-S	70-SWB-0520-S	70-SWC-0520-S	1-1/2"	5.7
5"	2"	Pinnacle	1000	6-1/2"	70-PNR-0520-S	70-PNB-0520-S	70-PNC-0520-S	1-1/2"	5.6
6"	2"	Cast Iron	1200	7-1/2"	70-CIR-0620-S	70-CIB-0620-S	70-CIC-0620-S	1-3/8"	13.0
6"	2"	Durastan	1200	7-1/2"	70-DUR-0620-S	70-DUB-0620-S	70-DUC-0620-S	1-3/8"	10.0
6"	2"	Forged Steel	1800	7-1/2"	70-FSR-0620-S		70-FSC-0620-S	1-3/8"	13.0
6"	2"	GT	1500	7-1/2"		70-GTB-0620-S		1-3/8"	10.0
6"	2"	High Temp. Nylon	1200	7-1/2"	70-HNR-0620-S			1-3/8"	10.0
6"	2"	Nylatron HD	2200	7-1/2"		70-NYB-0620-S		1-3/8"	11.0
6"	2"	Omega	1000	7-1/2"	70-UOR-0620-S	70-UOB-0620-S		1-3/8"	12.0
6"	2"	Performance TPR	525	7-1/2"	70-RPR-0620-S	70-RPB-0620-S	70-RPC-0620-S	1-3/8"	8.7
6"	2"	Polyolefin	700	7-1/2"	70-POR-0620-S	70-POB-0620-S	70-POC-0620-S	1-3/8"	10.0
6"	2"	Rubber on Aluminum-EHT	820	7-1/2"		70-RAB-0620-S-EHT		1-3/8"	9.8
6"	2"	Rubber on Iron	410	7-1/2"	70-RIR-0620-S		70-RIC-0620-S	1-3/8"	10.0
6"	2"	Solid Urethane	1200	7-1/2"		70-MUB-0620-S		1-3/8"	6.4
6"	2"	Urethane on Aluminum	1230	7-1/2"	70-UAR-0620-S		70-UAC-0620-S	1-3/8"	11.0
6"	2"	Urethane on Iron	1230	7-1/2"	70-UIR-0620-S		70-UIC-0620-S	1-3/8"	12.0
6"	2"	Urethane Polypropylene	900	7-1/2"	70-UPR-0620-S	70-UPB-0620-S	70-UPC-0620-S	1-3/8"	8.7
6"	2"	V-Groove Iron	1000	7-1/2"	70-VIR-0620-S		70-VIC-0620-S	1-3/8"	13.0
6"	2"	Signature	600	7-1/2"	70-SWR-0620-S	70-SWB-0620-S	70-SWC-0620-S	1-3/8"	6.4
6"	2"	Pinnacle	1200	7-1/2"	70-PNR-0620-S	70-PNB-0620-S	70-PNC-0620-S	1-3/8"	6.2
6"	2"	Torus	1200	7-1/2"		70-UAB-0621-S		1-3/8"	6.1
6"	2-1/2"	Cast Iron	1800	7-1/2"	70-CIR-0625-S			1-3/8"	18.0
6"	2-1/2"	Durastan	1600	7-1/2"	70-DUR-0625-S			1-3/8"	11.0
6"	2-1/2"	Forged Steel	4000	7-1/2"	70-FSR-0625-S			1-3/8"	18.0
6"	2-1/2"	GT	2300	7-1/2"		70-GTB-0625-S		1-3/8"	11.0
6"	2-1/2"	Rubber on Iron	540	7-1/2"	70-RIR-0625-S			1-3/8"	16.0

6"	2-1/2"	Urethane on Iron	1620	7-1/2"	70- UIR -0625-S			1-3/8"	16.0
6"	2-1/2"	V-Groove Iron	2500	7-1/2"	70- VIR -0625-S			1-3/8"	18.0
8"	2"	Cast Iron	1400	10-1/8"	70- CIR -0820-S	70- CIB -0820-S	70- CIC -0820-S	2-1/16"	16.0
8"	2"	Durastan	1400	10-1/8"	70- DUR -0820-S	70- DUB -0820-S	70- DUC -0820-S	2-1/16"	11.0
8"	2"	GT	1800	10-1/8"		70- GTB -0820-S		2-1/16"	11.5
8"	2"	Nylatron HD	3000	10-1/8"		70- NYB -0820-S		2-1/16"	12.5
8"	2"	Omega	1200	10-1/8"	70- UOR -0820-S	70- UOB -0820-S		2-1/16"	13.0
8"	2"	Performance TPR	600	10-1/8"	70- RPR -0820-S	70- RPB -0820-S	70- RPC -0820-S	2-1/16"	9.1
8"	2"	Polyolefin	800	10-1/8"	70- POR -0820-S	70- POB -0820-S	70- POC -0820-S	2-1/16"	11.0
8"	2"	Rubber on Aluminum-EHT	1000	10-1/8"		70- RAB -0820-S-EHT		2-1/16"	11.0
8"	2"	Rubber on Iron	500	10-1/8"	70- RIR -0820-S		70- RIC -0820-S	2-1/16"	11.0
8"	2"	Solid Urethane	1500	10-1/8"		70- MUB -0820-S		2-1/16"	7.1
8"	2"	Urethane on Aluminum	1500	10-1/8"	70- UAR -0820-S		70- UAC -0820-S	2-1/16"	13.0
8"	2"	Urethane on Iron	1500	10-1/8"	70- UIR -0820-S		70- UIC -0820-S	2-1/16"	13.0
8"	2"	Urethane Polypropylene	1000	10-1/8"	70- UPR -0820-S	70- UPB -0820-S	70- UPC -0820-S	2-1/16"	10.1
8"	2"	V-Groove Iron	1050	10-1/8"	70- VIR -0820-S		70- VIC -0820-S	2-1/16"	16.0
8"	2"	Signature	700	10-1/8"	70- SWR -0820-S	70- SWB -0820-S	70- SWC -0820-S	2-1/16"	7.1
8"	2"	Pinnacle	1200	10-1/8"	70- PNR -0820-S	70- PNB -0820-S	70- PNC -0820-S	2-1/16"	6.9
8"	2"	Torus	1200	10-1/8"		70- UAB -0821-S		2-1/16"	7.3
8"	2-1/2"	Cast Iron	1800	10-1/8"	70- CIR -0825-S			2-1/16"	20.0
8"	2-1/2"	Durastan	1800	10-1/8"	70- DUR -0825-S			2-1/16"	14.0
8"	2-1/2"	Forged Steel	4000	10-1/8"	70- FSR -0825-S			2-1/16"	20.0
8"	2-1/2"	GT	2400	10-1/8"		70- GTB -0825-S		2-1/16"	14.0
8"	2-1/2"	Rubber on Iron	670	10-1/8"	70- RIR -0825-S			2-1/16"	17.0
8"	2-1/2"	Urethane on Iron	1800	10-1/8"	70- UIR -0825-S			2-1/16"	18.0
8"	2-1/2"	V-Groove Iron	3000	10-1/8"	70- VIR -0825-S			2-1/16"	20.0
10"	2-1/2"	Cast Iron	1800	11-1/2"	70- CIR -1025-S			2-5/16"	26.0
10"	2-1/2"	Durastan	1800	11-1/2"	70- DUR -1025-S			2-5/16"	16.0
10"	2-1/2"	Rubber on Iron	790	11-1/2"	70- RIR -1025-S			2-5/16"	21.0
10"	2-1/2"	Urethane on Iron	2370	11-1/2"	70- UIR -1025-S			2-5/16"	21.0

To order a rigid caster, change the "S" to "R" in the model number. For example: "70-CIR-0420-R". To order a rig only, omit the blue letters. For example: "70-0420-S". Dimensions shown are nominal. If precise dimensions are required, consult your RWM representative. For approximate weight of our rigid casters, deduct 3.9 pounds.