

70 Series 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!



70-VIR-0830-S

Features

team can custom design a caster for any application!
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.

Capacity: 6000 lbs

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

Finish: Laguna Blue paint

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"

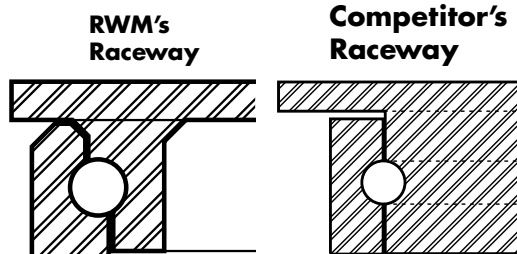
Mounting Bolt Diameter: 1/2"

RWM's Patented Offset Raceway - Why It's a Superior Design

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



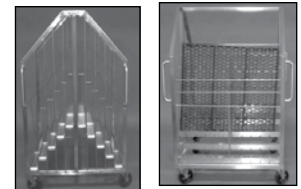
Options

- CWB** Cam Wheel Brake (2" & 2-1/2" wide)
- HT** High Temperature Lubrication
- LT** Low Temperature Lubrication
- NY** Notched Yoke Base
- SL** Swivel Lock
- SR** Sealed Swivel Raceway
- TG** Thread Guards (2" wide only)
- WB** Side Wheel Brake - (roller bearing only, 2" wide)
- ZP** Zinc Plated

Applications

The 70 Series is the perfect solution for:

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



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.

UP TO 6,000 POUND CAPACITY

Wheel Diameter	Wheel Width	Wheel Type	lbs. Capacity	Overall Height	Swivel Caster Model Number				Swivel Lead	Approx Weight
					Caged, Straight Roller Bearing	Flanged, Sealed Precision, 1 pc. Ball Bearing	Plain, Oilite, Celcon Bearing	Tapered Roller Bearing		
4"	1-1/2"	Forged Steel	1400	5-5/8"	70-FSR-0415-S		70-FSC-0415-S		1-3/16"	10.0
		Cast Iron	800		70-CIR-0420-S	70-CIB-0420-S	70-CIC-0420-S			10.0
		Durastan	800		70-DUR-0420-S	70-DUB-0420-S	70-DUC-0420-S			8.0
		GT	1050			70-GTB-0420-S				8.0
		High Temp. Nylon	800		70-HNR-0420-S					8.0
		Nylatron HD	2000			70-NYB-0420-S				8.5
		Performance TPR	350		70-RPR-0420-S	70-RPB-0420-S	70-RPC-0420-S			8.3
		Pinnacle	800		70-PNR-0420-S	70-PNB-0420-S	70-PNC-0420-S			5.2
	2"	Polyolefin	500	70-POR-0420-S	70-POB-0420-S	70-POC-0420-S		8.0		
		Rubber on Aluminum-EHT	700		70-RAB-0420-S-EHT			7.8		
		Rubber on Iron	350	70-RIR-0420-S		70-RIC-0420-S		8.0		
		Signature	400		70-SWB-0420-S	70-SWC-0420-S		5.5		
		Solid Urethane	700		70-MUB-0420-S			5.5		
		Urethane on Aluminum	700	70-UAR-0420-S		70-UAC-0420-S		7.5		
		Urethane on Iron	700	70-UIR-0420-S		70-UIC-0420-S		8.0		
		Urethane Polypropylene	600	70-UPR-0420-S	70-UPB-0420-S	70-UPC-0420-S		8.3		
V-Groove Iron	800	70-VIR-0420-S		70-VIC-0420-S		10.0				
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
		Durastan	1000		70-DUR-0520-S	70-DUB-0520-S	70-DUC-0520-S			9.0
		Forged Steel	1500		70-FSR-0520-S		70-FSC-0520-S			12.0
		GT	1200			70-GTB-0520-S				9.0
		High Temp. Nylon	1000		70-HNR-0520-S					9.0
		Nylatron HD	2000			70-NYB-0520-S				9.5
		Performance TPR	375		70-RPR-0520-S	70-RPB-0520-S	70-RPC-0520-S			8.3
		Pinnacle	1000		70-PNR-0520-S	70-PNB-0520-S	70-PNC-0520-S			5.6
	2"	Polyolefin	650	70-POR-0520-S	70-POB-0520-S	70-POC-0520-S		9.0		
		Rubber on Aluminum-EHT	800		70-RAB-0520-S-EHT			8.9		
		Rubber on Iron	400	70-RIR-0520-S		70-RIC-0520-S		9.0		
		Signature	500	70-SWR-0520-S	70-SWB-0520-S	70-SWC-0520-S		5.7		
		Solid Urethane	1000		70-MUB-0520-S			5.7		
		Urethane on Aluminum	1050	70-UAR-0520-S		70-UAC-0520-S		8.5		
		Urethane on Iron	1050	70-UIR-0520-S		70-UIC-0520-S		9.0		
		Urethane Polypropylene	750	70-UPR-0520-S	70-UPB-0520-S	70-UPC-0520-S		8.3		
V-Groove Iron	800	70-VIR-0520-S		70-VIC-0520-S		12.0				
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
		Durastan	1200		70-DUR-0620-S	70-DUB-0620-S	70-DUC-0620-S			10.0
		Forged Steel	1800		70-FSR-0620-S		70-FSC-0620-S			13.0
		GT	1500			70-GTB-0620-S				10.0
		High Temp. Nylon	1200		70-HNR-0620-S					10.0
		Nylatron HD	2200			70-NYB-0620-S				11.0
		Omega	1000		70-UOR-0620-S	70-UOB-0620-S				12.0
		Performance TPR	525		70-RPR-0620-S	70-RPB-0620-S	70-RPC-0620-S			8.7
	2"	Pinnacle	1200	70-PNR-0620-S	70-PNB-0620-S	70-PNC-0620-S		6.2		
		Polyolefin	700	70-POR-0620-S	70-POB-0620-S	70-POC-0620-S		10.0		
		Rubber on Aluminum-EHT	820		70-RAB-0620-S-EHT			9.8		
		Rubber on Iron	410	70-RIR-0620-S		70-RIC-0620-S		10.0		
		Signature	600	70-SWR-0620-S	70-SWB-0620-S	70-SWC-0620-S		6.4		
		Solid Urethane	1200		70-MUB-0620-S			6.4		
		Torus	1200		70-UAB-0621-S			6.1		
		Urethane on Aluminum	1230	70-UAR-0620-S		70-UAC-0620-S		11.0		
2-1/2"	Urethane on Iron	1230	70-UIR-0620-S		70-UIC-0620-S		12.0			
	Urethane Polypropylene	900	70-UPR-0620-S	70-UPB-0620-S	70-UPC-0620-S		8.7			
	V-Groove Iron	1000	70-VIR-0620-S		70-VIC-0620-S		13.0			
	Cast Iron	1800	70-CIR-0625-S			70-CIT-0625-S	18.0			
	Durastan	1600	70-DUR-0625-S			70-FST-0625-S	11.0			
	Forged Steel	4000	70-FSR-0625-S				18.0			
	GT	2300		70-GTB-0625-S			11.0			
	Rubber on Iron	540	70-RIR-0625-S			70-UIT-0625-S	16.0			
7"	2"	Urethane on Iron	1620	10-1/8"	70-UIR-0625-S			70-VIT-0625-S	18.0	
		V-Groove Iron	2500		70-VIR-0625-S				16.0	
		Cast Iron	1400		70-CIR-0820-S	70-CIB-0820-S	70-CIC-0820-S		16.0	
		Durastan	1400		70-DUR-0820-S	70-DUB-0820-S	70-DUC-0820-S		11.0	
		GT	1800			70-GTB-0820-S			11.5	
		Nylatron HD	3000			70-NYB-0820-S			12.5	
		Omega	1200		70-UOR-0820-S	70-UOB-0820-S			13.0	
		Performance TPR	600		70-RPR-0820-S	70-RPB-0820-S	70-RPC-0820-S		9.1	
	2"	Pinnacle	1200	70-PNR-0820-S	70-PNB-0820-S	70-PNC-0820-S		6.9		
		Polyolefin	800	70-POR-0820-S	70-POB-0820-S	70-POC-0820-S		11.0		
		Rubber on Aluminum-EHT	1000		70-RAB-0820-S-EHT			11.0		
		Rubber on Iron	500	70-RIR-0820-S		70-RIC-0820-S		11.0		
		Signature	700	70-SWR-0820-S	70-SWB-0820-S	70-SWC-0820-S		7.1		
		Solid Urethane	1500		70-MUB-0820-S			7.1		
		Torus	1200		70-UAB-0821-S			7.3		
		Urethane on Aluminum	1500	70-UAR-0820-S		70-UAC-0820-S		13.0		
2-1/2"	Urethane on Iron	1500	70-UIR-0820-S		70-UIC-0820-S		13.0			
	Urethane Polypropylene	1000	70-UPR-0820-S	70-UPB-0820-S	70-UPC-0820-S		10.1			
	V-Groove Iron	1050	70-VIR-0820-S		70-VIC-0820-S		16.0			
	Cast Iron	1800	70-CIR-0825-S			70-CIT-0825-S	20.0			
	Durastan	1800	70-DUR-0825-S			70-FST-0825-S	14.0			
	Forged Steel	4000	70-FSR-0825-S				20.0			
	GT	2400		70-GTB-0825-S			14.0			
	Rubber on Iron	670	70-RIR-0825-S			70-RIT-0825-S	17.0			
2-1/2"	Urethane on Iron	1800	70-UIR-0825-S			70-UIT-0825-S	18.0			
	V-Groove Iron	3000	70-VIR-0825-S			70-VIT-0825-S	20.0			
	Cast Iron	1800	70-CIR-1025-S			70-CIT-1025-S	26.0			
	Durastan	1800	70-DUR-1025-S				16.0			
10"	2-1/2"	Rubber on Iron	790	70-RIR-1025-S			70-RIT-1025-S	21.0		
		Urethane on Iron	2370	70-UIR-1025-S			70-UIT-1025-S	21.0		

UP TO 6,000 POUND CAPACITY