

47 Series Casters

RAPIDSTOCK™

This is our lightest duty Kingpinless™ caster series. The 47 Series is excellent in demanding applications requiring a product that will withstand shock, continuous use and abusive conditions. This medium duty series features our patented offset raceway for additional strength and is proudly Made in the U.S.A.



47-RAB-0820-S

Features

Raceway Design: Patented Kingpinless™ single ball bearing precision machined raceway hardened to 53 Rockwell C. minimum. Swivel section features 2 1/8" diameter raceway with 1/4" ball bearings.

Capacity: 1500 lbs.

Swivel Section: All swivel sections are supplied with a lubrication fitting for field maintenance. Notched yokes are standard.

Leg Thickness: 1/4" formed steel

Axle: 1/2" bolt and locking nut drilled with lube fitting

Finish: Zinc plated to protect against corrosion

Mounting Plate Size: 4" x 4-1/2" x 1/4"

Bolt Hole Spacing: 2-5/8" x 3-5/8" slotted to 3" x 3"

Mounting Bolt Diameter: 3/8"

Options

- CWB** Cam Wheel Brake
- DSL** Demountable Swivel Lock
- FIFG** Field Installable Foot Guard
- FG** Foot Guard
- FOSL** Foot Operated Swivel Lock
- HT** High Temperature Lubrication
- HTP** High Temperature Paint
- ICWB** Installable Face Contact Brake
- LT** Low Temperature Lubrication
- SL** Swivel Lock
- TG** Thread Guards
- WB** Side Wheel Brake with Roller Bearing only
- WS** Wheel Seals
- WWB** Wraparound Wheel Brake

Applications

The 47 Series is ideal for:

- ◆ assembly lines
- ◆ ground support equipment
- ◆ boat and ship building
- ◆ warehousing carts
- ◆ automotive applications
- ◆ handling carts
- ◆ aerospace applications
- ◆ machinery
- ◆ metal fabricating

OPTIONAL OVERALL HEIGHTS

Wheel Diameter	Overall Height
4"	5-9/16"
5"	6-11/16"
6"	7-1/4"
8"	10-1/8"

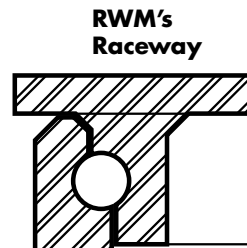
OPTIONAL MOUNTING PLATES

Optional Top Plate Number	Mounting Plate	Bolt Hole Spacing	Bolt Size
41ST 41RT	4" x 5"	2-5/8" x 3-5/8" slotted to 3" x 4"	3/8"
42ST 42RT	4-1/2" x 6-1/2"	2-7/16" x 4-15/16" slotted to 3-3/8" x 5-1/4"	1/2"
43ST 43RT	5" x 5-1/2"	4-1/8" x 4-1/2"	3/8"

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



UP TO 1,500 POUND CAPACITY

To order a rigid caster, change the "S" to "R" in the model number. For example, "47-UPB-0520-R". To order a rig only, omit the blue letters. For example: "47-0520-S". For approximate weight of rigid caster deduct .7 pounds. Dimensions shown are nominal. If precise dimensions are required, please consult your RWM representative.

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		
4"	1-1/2"	Forged Steel	1400	5-5/8"	47-FSR-0415-S		47-FSC-0415-S	1-11/32"	7.0
		Cast Iron	800		47-CIR-0420-S	47-CIB-0420-S	47-CIC-0420-S		6.5
		Durastan	800		47-DUR-0420-S	47-DUB-0420-S	47-DUC-0420-S		5.2
		GT	1050			47-GTB-0420-S			5.0
		High Temp. Nylon	800		47-HNR-0420-S				5.2
		Nylatron HD	1400			47-NYB-0420-S			5.5
		Performance TPR	350		47-RPR-0420-S	47-RPB-0420-S	47-RPC-0420-S		5.3
		Pinnacle	800		47-PNR-0420-S	47-PNB-0420-S	47-PNC-0420-S		5.2
		Polyolefin	500		47-POR-0420-S	47-POB-0420-S	47-POC-0420-S		4.8
		Rubber on Aluminum	700			47-RAB-0420-S-EHT			7.4
		Rubber on Iron	350		47-RIR-0420-S		47-RIC-0420-S		7.5
		Signature	400		47-SWR-0420-S	47-SWB-0420-S	47-SWC-0420-S		5.5
		Solid Urethane	700			47-MUB-0420-S			5.5
		Urethane on Aluminum	700		47-UAR-0420-S		47-UAC-0420-S		5.0
		Urethane on Iron	700		47-UIR-0420-S		47-UIC-0420-S		6.6
		Urethane Polypropylene	600		47-UPR-0420-S	47-UPB-0420-S	47-UPC-0420-S		5.3
V-Groove Iron	800	47-VIR-0420-S		47-VIC-0420-S	7.6				
5"	2"	Cast Iron	1000	6-1/2"	47-CIR-0520-S	47-CIB-0520-S	47-CIC-0520-S	1-1/2"	7.8
		Durastan	1000		47-DUR-0520-S	47-DUB-0520-S	47-DUC-0520-S		5.4
		Forged Steel	1500		47-FSR-0520-S		47-FSC-0520-S		8.1
		GT	1200			47-GTB-0520-S			6.0
		High Temp. Nylon	1000		47-HNR-0520-S				5.4
		Nylatron HD	1500			47-NYB-0520-S			6.5
		Performance TPR	375		47-RPR-0520-S	47-RPB-0520-S	47-RPC-0520-S		5.3
		Pinnacle	1000		47-PNR-0520-S	47-PNB-0520-S	47-PNC-0520-S		5.6
		Polyolefin	650		47-POR-0520-S	47-POB-0520-S	47-POC-0520-S		4.6
		Rubber on Aluminum	800			47-RAB-0520-S-EHT			7.5
		Rubber on Iron	400		47-RIR-0520-S		47-RIC-0520-S		7.6
		Signature	500		47-SWR-0520-S	47-SWB-0520-S	47-SWC-0520-S		5.7
		Solid Urethane	1000			47-MUB-0520-S			5.7
		Urethane on Aluminum	1050		47-UAR-0520-S		47-UAC-0520-S		5.5
		Urethane on Iron	1050		47-UIR-0520-S		47-UIC-0520-S		7.7
		Urethane Polypropylene	750		47-UPR-0520-S	47-UPB-0520-S	47-UPC-0520-S		5.3
V-Groove Iron	800	47-VIR-0520-S		47-VIC-0520-S	9.9				
6"	2"	Cast Iron	1200	7-1/2"	47-CIR-0620-S	47-CIB-0620-S	47-CIC-0620-S	1-3/4"	9.1
		Durastan	1200		47-DUR-0620-S	47-DUB-0620-S	47-DUC-0620-S		6.3
		Forged Steel	1500		47-FSR-0620-S		47-FSC-0620-S		10.0
		GT	1500			47-GTB-0620-S			8.0
		High Temp Nylon	1200		47-HNR-0620-S				6.3
		Omega	1000		47-UOR-0620-S	47-UOB-0620-S			8.8
		Performance TPR	525		47-RPR-0620-S	47-RPB-0620-S	47-RPC-0620-S		5.7
		Pinnacle	1200		47-PNR-0620-S	47-PNB-0620-S	47-PNC-0620-S		6.2
		Polyolefin	700		47-POR-0620-S	47-POB-0620-S	47-POC-0620-S		5.0
		Rubber on Aluminum	820			47-RAB-0620-S-EHT			7.8
		Rubber on Iron	410		47-RIR-0620-S		47-RIC-0620-S		7.8
		Signature	600		47-SWR-0620-S	47-SWB-0620-S	47-SWC-0620-S		6.4
		Solid Urethane	1200			47-MUB-0620-S			6.4
		Torus	1230			47-UAB-0621-S			7
		Urethane on Aluminum	1230		47-UAR-0620-S		47-UAC-0620-S		6.3
		Urethane on Iron	1230		47-UIR-0620-S	47-UIB-0620-S	47-UIC-0620-S		8.8
Urethane Polypropylene	900	47-UPR-0620-S	47-UPB-0620-S	47-UPC-0620-S	5.7				
V-Groove Iron	1000	47-VIR-0620-S		47-VIC-0620-S	10.9				
8"	2"	Cast Iron	1400	9-1/2"	47-CIR-0820-S	47-CIB-0820-S	47-CIC-0820-S	2-1/8"	13.3
		Durastan	1400		47-DUR-0820-S	47-DUB-0820-S	47-DUC-0820-S		7.7
		GT	1500			47-GTB-0820-S			12.2
		Omega	1200		47-UOR-0820-S	47-UOB-0820-S			12.2
		Performance TPR	600		47-RPR-0820-S	47-RPB-0820-S	47-RPC-0820-S		7.7
		Pinnacle	1400		47-PNR-0820-S	47-PNB-0820-S	47-PNC-0820-S		6.9
		Polyolefin	800		47-POR-0820-S	47-POB-0820-S	47-POC-0820-S		5.8
		Rubber on Aluminum	1000			47-RAB-0820-S-EHT			10.1
		Rubber on Iron	500		47-RIR-0820-S		47-RIC-0820-S		10.2
		Signature	700		47-SWR-0820-S	47-SWB-0820-S	47-SWC-0820-S		7.1
		Solid Urethane	1500			47-MUB-0820-S			7.1
		Torus	1500			47-UAB-0821-S			7
		Urethane on Aluminum	1500		47-UAR-0820-S		47-UAC-0820-S		7.3
		Urethane on Iron	1500		47-UIR-0820-S	47-UIB-0820-S	47-UIC-0820-S		12.1
		Urethane Polypropylene	1000		47-UPR-0820-S	47-UPB-0820-S	47-UPC-0820-S		7.7
		V-Groove Iron	1050		47-VIR-0820-S		47-VIC-0820-S		15.3

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