

47 Series Casters

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.

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.

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

Leg Thickness: 1/4" formed steel

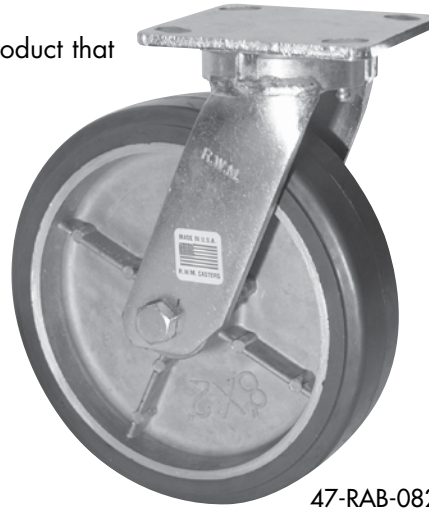
Axle: 1/2" bolt and locking nut drilled with lube fitting

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"



47-RAB-0820-S

Applications

The 47 Series is ideal for: tow lines, shock load applications and abusive conditions, production line dollies & trucks used in various industries including but not limited to: boat & ship molding and building, automotive, aerospace, metal fabricating, metal forging, heavy machinery & equipment, military equipment, mobile homes, etc. tractor pulled trailers, extreme duty platform trucks & material handling carts, air cargo & ground support equipment, storage tanks, gantries & heavy duty processing equipment, coliseum & gymnasium equipment, shipping/receiving carts, warehousing & freight terminal dollies and carts, and countless other heavy duty applications.

OPTIONAL OVERALL HEIGHTS

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

Options

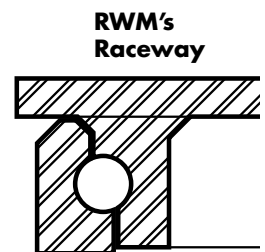
- DSL** Demountable Swivel Lock
- HT** High Temperature Lubrication
- ICWB** Installable Face Contact Brake
- LT** Low Temperature Lubrication
- SL** Swivel Lock
- TG** Thread Guards
- WB** Side Wheel Brake with Roller Bearing only
- WS** Wheel Seals
- WWB** Wraparound Wheel Brake
- FOSL** Foot Operated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

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



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			
	Polyolefin	500	47-POR-0420-S	47-POB-0420-S	47-POC-0420-S	4.8			
	Rubber on Aluminum	525		47-RAB-0420-S-EHT		7.4			
	Rubber on Iron	350	47-RIR-0420-S		47-RIC-0420-S	7.5			
	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			
	Signature	400	47-SWR-0420-S	47-SWB-0420-S	47-SWC-0420-S	5.5			
	Pinnacle	800	47-PNR-0420-S	47-PNB-0420-S	47-PNC-0420-S	5.2			
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			
	Polyolefin	650	47-POR-0520-S	47-POB-0520-S	47-POC-0520-S	4.6			
	Rubber on Aluminum	600		47-RAB-0520-S-EHT		7.5			
	Rubber on Iron	400	47-RIR-0520-S		47-RIC-0520-S	7.6			
	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			
	Signature	500	47-SWR-0520-S	47-SWB-0520-S	47-SWC-0520-S	5.7			
	Pinnacle	1000	47-PNR-0520-S	47-PNB-0520-S	47-PNC-0520-S	5.6			
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			
	Polyolefin	700	47-POR-0620-S	47-POB-0620-S	47-POC-0620-S	5.0			
	Rubber on Aluminum	615		47-RAB-0620-S-EHT		7.8			
	Rubber on Iron	410	47-RIR-0620-S		47-RIC-0620-S	7.8			
	Solid Urethane	1200		47-MUB-0620-S		6.4			
	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			
	Signature	600	47-SWR-0620-S	47-SWB-0620-S	47-SWC-0620-S	6.4			
	Pinnacle	1200	47-PNR-0620-S	47-PNB-0620-S	47-PNC-0620-S	6.2			
Torus	1230		47-UAB-0621-S		7				
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			
	Polyolefin	800	47-POR-0820-S	47-POB-0820-S	47-POC-0820-S	5.8			
	Rubber on Aluminum	750		47-RAB-0820-S-EHT		10.1			
	Rubber on Iron	500	47-RIR-0820-S		47-RIC-0820-S	10.2			
	Solid Urethane	1500		47-MUB-0820-S		7.1			
	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			
	Signature	700	47-SWR-0820-S	47-SWB-0820-S	47-SWC-0820-S	7.1			
	Pinnacle	1400	47-PNR-0820-S	47-PNB-0820-S	47-PNC-0820-S	6.9			
	Torus	1500		47-UAB-0821-S		7			

UP TO 1,500 POUND CAPACITY