

# 65 Series Casters

RWM's 65 Series caster features the patented Kingpinless™ design. RWM patented this design that has proven itself to be the best solution for demanding applications. This is the caster design that all others are now copying because it is simply unmatched in extending service life and reducing all possible causes for caster failure. The 65 Series is recommended for a wide range of industrial applications.

## Features

**Raceway Design:** Patented Kingpinless™ single ball bearing precision machined raceway hardened to 53 Rockwell C. minimum. Swivel section features a 2-3/8" diameter raceway with 3/8" ball bearings.

**Leg Thickness:** 1/4" formed steel

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

**Finish:** Zinc plated to protect against corrosion

**Wheels:** Wheels are available with a straight roller bearing which rotates on a hardened and ground spanner bushing, an annular ball bearing for ease of rollability or a celcon bearing

**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"

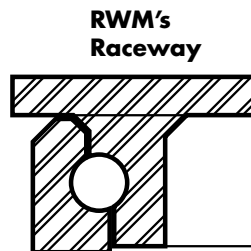
**Swivel Sections:** All swivel sections are supplied with a lubrication fitting for field maintenance.

## Applications

The 65 Series typical applications include dollies, utility carts, tow line and platform trucks. It is also 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.

## 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.



65-SUB-0820-S

## Options

- DSL** Demountable Swivel Lock
- HT** High Temperature Lubrication
- ICWB** Installable Face Contact Brake
- LT** Low Temperature Lubrication
- SL** Swivel Lock
- SR** Sealed Raceway
- TG** Thread Guards
- WB** Side Wheel Brake (roller bearing only)
- WS** Wheel Seals
- WWB** Wrap Around Wheel Brake (roller bearing only)
- FOSL** Foot Operated Swivel Lock

### OPTIONAL OVERALL HEIGHTS

Wheel Diameter	Overall Height
4"	5-9/16"
5"	6-11/16"
6"	7-5/8"
8"	9-1/2"

### 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"

To order a rigid caster, change the "S" to "R" in the model number. For example: "65-CIR-0520-R". To order a rig only, omit the blue letters. For example: "65-0520-S". Dimensions shown are nominal. If precise dimensions are required, consult your RWM representative. For approximate weight of our rigid caster, deduct 1.5 pounds.

UP TO 2,000 POUND CAPACITY

## SPECIFICATIONS

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"	65-FSR-0415-S		65-FSC-0415-S	1-3/16"	9.0
		Cast Iron	800		65-CIR-0420-S	65-CIB-0420-S	65-CIC-0420-S		10.0
		Durastan	800		65-DUR-0420-S	65-DUB-0420-S	65-DUC-0420-S		8.0
		GT	1050			65-GTB-0420-S			8.0
		High Temp. Nylon	800		65-HNR-0420-S				8.0
		Nylatron HD	1400			65-NYB-0420-S			8.5
		Performance TPR	350		65-RPR-0420-S	65-RPB-0420-S	65-RPC-0420-S		7.3
		Pinnacle	800		65-PNR-0420-S	65-PNB-0420-S	65-PNC-0420-S		8.0
		Polyolefin	500		65-POR-0420-S	65-POB-0420-S	65-POC-0420-S		7.6
		Rubber on Aluminum	525			65-RAB-0420-S-EHT			8.0
		Rubber on Iron	350		65-RIR-0420-S		65-RIC-0420-S		8.0
		Signature	400		65-SWR-0420-S	65-SWB-0420-S	65-SWC-0420-S		7.0
		Solid Urethane	700			65-MUB-0420-S			7.0
		Urethane on Aluminum	700		65-UAR-0420-S		65-UAC-0420-S		7.5
		Urethane on Iron	700		65-UIR-0420-S		65-UIC-0420-S		8.0
		Urethane Polypropylene	600		65-UPR-0420-S	65-UPB-0420-S	65-UPC-0420-S		7.3
		V-Groove Iron	800		65-VIR-0420-S		65-VIC-0420-S		10.0
5"	2"	Cast Iron	1000	6-1/2"	65-CIR-0520-S	65-CIB-0520-S	65-CIC-0520-S	1-3/8"	12.0
		Durastan	1000		65-DUR-0520-S	65-DUB-0520-S	65-DUC-0520-S		9.0
		Forged Steel	1500		65-FSR-0520-S		65-FSC-0520-S		12.0
		GT	1200			65-GTB-0520-S			9.0
		High Temp. Nylon	1000		65-HNR-0520-S				9.0
		Nylatron HD	1500			65-NYB-0520-S			9.5
		Performance TPR	375		65-RPR-0520-S	65-RPB-0520-S	65-RPC-0520-S		7.3
		Pinnacle	1000		65-PNR-0520-S	65-PNB-0520-S	65-PNC-0520-S		9.0
		Polyolefin	650		65-POR-0520-S	65-POB-0520-S	65-POC-0520-S		8.7
		Rubber on Aluminum	600			65-RAB-0520-S-EHT			8.6
		Rubber on Iron	400		65-RIR-0520-S		65-RIC-0520-S		9.0
		Signature	500		65-SWR-0520-S	65-SWB-0520-S	65-SWC-0520-S		7.6
		Solid Urethane	1000			65-MUB-0520-S			7.6
		Urethane on Aluminum	1050		65-UAR-0520-S		65-UAC-0520-S		8.5
		Urethane on Iron	1050		65-UIR-0520-S		65-UIC-0520-S		9.0
		Urethane Polypropylene	750		65-UPR-0520-S	65-UPB-0520-S	65-UPC-0520-S		7.3
		V-Groove Iron	800		65-VIR-0520-S		65-VIC-0520-S		12.0
6"	2"	Cast Iron	1200	7-1/2"	65-CIR-0620-S	65-CIB-0620-S	65-CIC-0620-S	1-9/16"	13.0
		Durastan	1200		65-DUR-0620-S	65-DUB-0620-S	65-DUC-0620-S		10.0
		Forged Steel	1800		65-FSR-0620-S		65-FSC-0620-S		13.0
		GT	1500			65-GTB-0620-S			10.0
		High Temp. Nylon	1200		65-HNR-0620-S				10.0
		Nylatron HD	2000			65-NYB-0620-S			11.0
		Omega	1000		65-UOR-0620-S	65-UOB-0620-S	65-UOC-0620-S		12.0
		Performance TPR	525		65-RPR-0620-S	65-RPB-0620-S	65-RPC-0620-S		7.7
		Pinnacle	1200		65-PNR-0620-S	65-PNB-0620-S	65-PNC-0620-S		10.0
		Polyolefin	700		65-POR-0620-S	65-POB-0620-S	65-POC-0620-S		8.7
		Rubber on Aluminum	615			65-RAB-0620-S-EHT			10.0
		Rubber on Iron	410		65-RIR-0620-S		65-RIC-0620-S		10.0
		Signature	600		65-SWR-0620-S	65-SWB-0620-S	65-SWC-0620-S		9.0
		Solid Urethane	1200			65-MUB-0620-S			9.0
		Urethane on Aluminum	1230		65-UAR-0620-S		65-UAC-0620-S		11.0
		Urethane on Iron	1230		65-UIR-0620-S		65-UIC-0620-S		12.0
		Urethane Polypropylene	900		65-UPR-0620-S	65-UPB-0620-S	65-UPC-0620-S		7.7
Torus	1230		65-UAB-0621-S		11.0				
V-Groove Iron	1000	65-VIR-0620-S		65-VIC-0620-S	13.0				
8"	2"	Cast Iron	1400	10-1/8"	65-CIR-0820-S	65-CIB-0820-S	65-CIC-0820-S	2-1/4"	16.0
		Durastan	1400		65-DUR-0820-S	65-DUB-0820-S	65-DUC-0820-S		11.0
		GT	1800			65-GTB-0820-S			11.0
		Nylatron HD	2000			65-NYB-0820-S			12.0
		Performance TPR	600		65-RPR-0820-S	65-RPB-0820-S	65-RPC-0820-S		9.1
		Pinnacle	1400		65-PNR-0820-S	65-PNB-0820-S	65-PNC-0820-S		11.0
		Omega	1200		65-UOR-0820-S	65-UOB-0820-S			13.0
		Polyolefin	800		65-POR-0820-S	65-POB-0820-S	65-POC-0820-S		9.1
		Rubber on Aluminum	750			65-RAB-0820-S-EHT			11.0
		Rubber on Iron	500		65-RIR-0820-S		65-RIC-0820-S		11.0
		Signature	700		65-SWR-0820-S	65-SWB-0820-S	65-SWC-0820-S		10.0
		Solid Urethane	1500			65-MUB-0820-S			10.0
		Urethane on Aluminum	1500		65-UAR-0820-S		65-UAC-0820-S		12.0
		Urethane on Iron	1500		65-UIR-0820-S		65-UIC-0820-S		13.0
		Urethane Polypropylene	1000		65-UPR-0820-S	65-UPB-0820-S	65-UPC-0820-S		9.1
		Torus	1500			65-UAB-0821-S			12.0
		V-Groove Iron	1050		65-VIR-0820-S		65-VIC-0820-S		16.0

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