

# 2-75 Series Casters

RWM's 2-75 Series Kingpinless™ Dual Wheel Casters feature all of the benefits of our patented Kingpinless™ raceway and twice the capacity load. Our 2-75 Series Casters are proudly made in the USA!



## Features

**Raceway Design:** Patented Kingpinless™ single ball bearing precision machined raceway hardened to 53 Rockwell C minimum. Swivel section features a 3" diameter raceway with 1/2" ball bearings. The notched yoke is standard.

**Axle:** 1/2" bolt, locking nut and lubrication fittings

**Finish:** Laguna Blue paint

**Wheels:** All wheels are 2" wide with 3/4" I.D. roller bearings that are prelubricated and rotate on individual spanner bushings or annular ball bearings for ease of rollability.

**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"

**Leg Thickness:** 5/16" formed steel. Center leg support is added for increased strength.

**Capacity:** 6000 lbs.

## Applications

Dual wheel casters offer high weight capacities with minimal overall heights, better load distribution, floor protection and mobility than single wheel casters. This is a result of spreading the weight over a wider floor area while offering wheel differential action, resulting in less friction between the wheels and the floor, requiring less effort for the caster to swivel. Dual wheel casters are ideal for:

- ◆ tow lines
- ◆ abusive conditions
- ◆ automotive
- ◆ metal fabricating
- ◆ military equipment
- ◆ tractor pulled trailers
- ◆ air cargo & ground support equipment
- ◆ boat & ship molding and building
- ◆ storage tanks & gantries
- ◆ heavy duty processing equipment
- ◆ shock load applications
- ◆ production line dollies
- ◆ aerospace
- ◆ heavy machinery
- ◆ mobile homes
- ◆ extreme duty platform trucks

## The Majority of Competitor's Raceways

The inline positioning of the competition's raceway (as opposed to the offset positioning utilized by RWM) creates a direct "hammering" effect via the ball bearings which are centered on the tangent of the two raceways, thus savaging and eventually eroding the raceway. The inevitable result is a loose fit and progressive swivel failure. Even a double raceway configuration is subject to these same "hammering" hazards.

The machining requirements of the competition to accommodate a swivel lock reduces strength, leading to premature fatigue, stress fractures of the raceway and eventual failure.



2-75-HNR-0620-S

View  
CAD Models  
On Our  
Website!

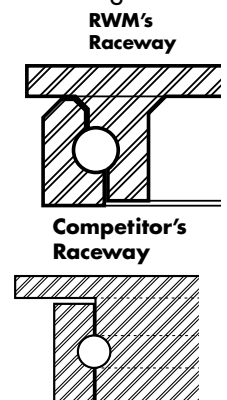
## Options

- CWB** Cam Wheel Brake
- DSL** Demountable Swivel Lock
- FG** Foot Guard
- HT** High Temperature Lubrication
- HTP** High Temperature Paint
- LT** Low Temp Lube
- SL** Swivel Lock
- SR** Sealed Swivel Raceway
- ZP** Zinc Plated

## 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 6,000 POUND CAPACITY

## SPECIFICATIONS

Wheel Diameter	Wheel Width	Wheel Type	lbs. Capacity	Overall Height	Swivel Caster Model Number		Swivel Lead	lbs. Approx Weight
					Straight Roller	Ball Bearing		
5"	2"	Cast Iron	2000	7-1/2"	2-75-CIR-0520-S	2-75-CIB-0520-S	1-7/16"	17.0
		Durastan	2000		2-75-DUR-0520-S			11.5
		GT	2400			2-75-GTB-0520-S		11.5
		High Temp Nylon	2000		2-75-HNR-0520-S			11.5
		Nylatron HD	4000			2-75-NYB-0520-S		12.0
		Performance TPR	750		2-75-RPR-0520-S	2-75-RPB-0520-S		14.0
		Rubber on Aluminum-EHT	1600			2-75-RAB-0520-S-EHT		15.5
		Rubber on Iron	800		2-75-RIR-0520-S			16.5
		Solid Urethane	2000			2-75-MUB-0520-S		12.5
		Urethane on Iron	2100		2-75-UIR-0520-S			16.5
		Urethane on Polypropylene	1500		2-75-UPR-0520-S	2-75-UPB-0520-S		14.0
6"	2"	Cast Iron	2400	8"	2-75-CIR-0620-S	2-75-CIB-0620-S	1-7/16"	18.5
		Durastan	2400		2-75-DUR-0620-S	2-75-DUB-0620-S		12.5
		High Temp Nylon	2400		2-75-HNR-0620-S			12.5
		GT	3000			2-75-GTB-0620-S		12.5
		Nylatron HD	4400			2-75-NYB-0620-S		13.5
		Performance TPR	1050		2-75-RPR-0620-S	2-75-RPB-0620-S		15.0
		Omega	2000		2-75-UOR-0620-S	2-75-UOB-0620-S		16.5
		Rubber on Aluminum-EHT	1640			2-75-RAB-0620-S-EHT		16.5
		Rubber on Iron	820		2-75-RIR-0620-S			17.5
		Solid Urethane	2400			2-75-MUB-0620-S		13.5
		Urethane on Iron	2460		2-75-UIR-0620-S	2-75-UIB-0620-S		17.5
Urethane on Polypropylene	1800	2-75-UPR-0620-S	2-75-UPB-0620-S	15.0				
8"	2"	Cast Iron	2800	10-1/8"	2-75-CIR-0820-S	2-75-CIB-0820-S	2-1/16"	23.0
		Durastan	2800		2-75-DUR-0820-S	2-75-DUB-0820-S		15.0
		GT	3600			2-75-GTB-0820-S		15.0
		Nylatron HD	6000			2-75-NYB-0820-S		16.0
		Omega	2400		2-75-UOR-0820-S	2-75-UOB-0820-S		18.0
		Rubber on Aluminum-EHT	2000			2-75-RAB-0820-S-EHT		17.5
		Rubber on Iron	1000		2-75-RIR-0820-S			18.5
		Performance TPR	1200		2-75-RPR-0820-S	2-75-RPB-0820-S		16.0
		Solid Urethane	3000			2-75-MUB-0820-S		16.0
		Urethane on Iron	3000		2-75-UIR-0820-S	2-75-UIB-0820-S		18.5
		Urethane on Polypropylene	2000		2-75-UPR-0820-S	2-75-UPB-0820-S		16.0

To order a rigid caster, change the "S" to "R" in the model number. For example: "2-75-CIR-0520-R". To order rig only, omit the blue letters. For example: "2-65-0520-S". Dimensions shown are nominal. If precise dimensions are required, consult your RWM representative. For approximate weight of our rigid casters, deduct 5.4 pounds per item.

## OPTIONAL MOUNTING PLATES

Optional Top Plate Number	Mounting Plate	Bolt Hole Spacing	Bolt Size
90ST*** 90RT	6" x 7"	4-5/8" x 5-1/2" slotted to 4-3/8" x 5-5/8"	1/2"
43ST* 43RT	5" x 5-1/2"	4-1/8" x 4-1/2"	3/8"
76ST** 76RT	5-1/4" x 7-1/4"	3-3/8" x 5-1/4" slotted to 4-1/8" x 6-1/8"	1/2"

Dual wheel rigid casters utilize a plasma cut top plate with incorporated tabs for various wheel widths depending on the size and model ordered. Top plate dimensions given on this page are a general guideline when these tabs aren't necessary. For specifics on the dimensions of the top plate on your caster, please contact the factory at 1-800-634-7704.

- \* Subtract 1/16" OAH when using this top plate
- \*\* Add 1/16" OAH when using this top plate
- \*\*\* Add 3/16" OAH when using this top plate