

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.

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.

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, 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 other extra heavy duty applications.

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-DUR-0520-S-CWB

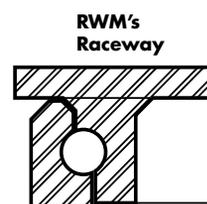
Options

- CWB** Cam Wheel Brake
- DSL** Demountable Swivel Lock
- HT** High Temperature Lubrication
- 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



SPECIFICATIONS								
Wheel Diameter	Wheel Width	Wheel Type	lbs. Capacity	Overall Height	Swivel Caster Model Number		Swivel Lead	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	3200			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-MUR-0520-S	2-75-MUB-0520-S		12.5
		Urethane on Iron	2100		2-75-UIR-0520-S			16.5
		Urethane Polyolefin	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-MUR-0620-S	2-75-MUB-0620-S		13.5
		Urethane on Iron	2460		2-75-UIR-0620-S	2-75-UIB-0620-S		17.5
Urethane Polyolefin	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-MUR-0820-S	2-75-MUB-0820-S		16.0
		Urethane on Iron	3000		2-75-UIR-0820-S	2-75-UIB-0820-S		18.5
		Urethane Polyolefin	2000		2-75-UPR-0820-S	2-75-UPB-0820-S		16.0

UP TO 6,000 POUND CAPACITY

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"

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.

* 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