

# 2-85 Series Casters

RWM's 2-85 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. 4-1/4" diameter raceway with 5/8" ball bearings.

**Axle:** 3/4" bolt and nut for 3" wide, 1" or 1-1/4" bolt and nut for 4" wide, 1-1/4" bolt and nut for 5" wide.

**Finish:** Laguna Blue paint

**Wheels:** 3" wide wheels are available with either a 1" roller bearing that rotates on 3/4" x 1" x 3-9/16" hardened and ground spanner bushings or 3/4" tapered bearings that rotate on a 3/4" axle. 4" and 5" wheels are available with either a 1-1/4" I.D. roller bearing which rotates on hardened and ground spanner bushings or 1-1/4" tapered bearings which rotate on the axle. All wheels are equipped with lubrication fitting.

**Mounting Plate Size:** 6" x 7"

**Bolt Hole Spacing:** 4-5/8" x 5-1/2", slotted to 4-3/8" to 5-5/8"

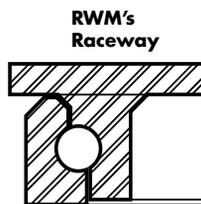
**Mounting Bolt Diameter:** 1/2"

**Leg Thickness:** 3/8" double welded

**Mounting Plate Thickness:** 1/2"

## 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.



2-85-UIR-0830-S

## Options

- CWB** Cam Wheel Brake
- DSL** Demountable Swivel Lock\*
- HDSL** Heavy Duty Demountable Swivel Lock
- HT** High Temperature Lubrication
- LT** Low Temperature Lubrication
- NY** Notched Yoke
- PCWB** Poly Cam Wheel Brake
- SL** Swivel Lock
- SR** Sealed Raceways
- WS** Wheel Seals
- ZP** Zinc Plating

\*When ordering the Demountable Swivel Lock (DSL), you must also order the Notched Yoke (NY).

## 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.

### OPTIONAL MOUNTING PLATES

Optional Top Plate Number	Mounting Plate	Bolt Hole Spacing	Bolt Size
95ST 95RT	6" x 7-1/2"	4-1/2" x 6" slotted to 4-1/8" x 6-1/8"	1/2"
LLST LLRT	8-1/2" x 11"	7" x 9-3/4"	5/8"
LMST LMRT	8-1/2" x 8-1/2"	7" x 7"	5/8"

To order a rigid caster, change the "S" to "R" in the model number. For example: "2-85-CIR-1040-R". To order rig only, omit the blue letters. For example: "2-85-1040-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.

## SPECIFICATIONS

Wheel Diameter	Wheel Width	Wheel Type	lbs. Capacity	Overall Height	Swivel Caster Model Number			Swivel Lead	Approx Weight lbs.
					Straight Roller Bearing	Ball Bearing	Tapered Roller Bearing		
6"	3"	Cast Iron	6000	8-1/2"	2-85-CIR-0630-S		2-85-CIT-0630-S	1-9/16"	39.0
		Durastan	4000		2-85-DUR-0630-S				24.0
		Forged Steel	10000		2-85-FSR-0630-S		2-85-FST-0630-S		55.0
		Nylatron HD	3200			2-85-NYB-0630-S			23.0
		Solid Urethane	4000		2-85-MUR-0630-S	2-85-MUB-0630-S			24.0
		Urethane on Iron	4000		2-85-UIR-0630-S		2-85-UIT-0630-S		33.0
8"	3"	Cast Iron	6000	10-1/2"	2-85-CIR-0830-S		2-85-CIT-0830-S	2"	49.0
		Durastan	5000		2-85-DUR-0830-S				28.0
		Forged Steel	10000		2-85-FSR-0830-S		2-85-FST-0830-S		56.0
		Nylatron HD	10000			2-85-NYB-0830-S			29.0
		Omega	3200		2-85-UOR-0830-S		2-85-UOT-0830-S		52.0
		Rubber on Iron-EHT	3360		2-85-RIR-0830-S-EHT		2-85-RIT-0830-S-EHT		50.0
		Solid Urethane	5000		2-85-MUR-0830-S	2-85-MUB-0830-S			28.0
		Urethane on Iron	5000		2-85-UIR-0830-S		2-85-UIT-0830-S		52.0
		Rubber On Iron	1680		2-85-RIR-0830-S				50.0
8"	4"	Cast Iron	8000	10-1/2"	2-85-CIR-0840-S		2-85-CIT-0840-S	2"	68.0
		Forged Steel	10000		2-85-FSR-0840-S		2-85-FST-0840-S		88.0
		Urethane on Iron	7000		2-85-UIR-0840-S		2-85-UIT-0840-S		64.0
10"	3"	Cast Iron	8000	12-1/2"	2-85-CIR-1030-S		2-85-CIT-1030-S	2-1/2"	74.0
		Durastan	5800		2-85-DUR-1030-S				31.0
		Forged Steel	10000		2-85-FSR-1030-S		2-85-FST-1030-S		76.0
		GT	6800			2-85-GTB-1030-S			45.0
		Nylatron HD	10000			2-85-NYB-1030-S			46.0
		Omega	4000		2-85-UOR-1030-S		2-85-UOT-1030-S		61.0
		Rubber on Aluminum-EHT	4000		2-85-RAB-1030-S-EHT	2-85-RAT-1030-S-EHT	2-85-RIT-1030-S-EHT		61.0
		Rubber on Iron-EHT	4000		2-85-RIR-1030-S-EHT				54.0
		Solid Urethane	6000		2-85-MUR-1030-S	2-85-MUB-1030-S			31.0
		Ultra Thick Urethane	6800		2-85-UTR-1030-S		2-85-UTT-1030-S		64.0
		Urethane on Iron	6000		2-85-UIR-1030-S		2-85-UIT-1030-S		61.0
Rubber On Iron	2000	2-85-RIR-1030-S		2-85-RIT-1030-S	54.0				
10"	4"	Cast Iron	10000	12-1/2"	2-85-CIR-1040-S		2-85-CIT-1040-S	2-1/2"	116.0
		Forged Steel	10000		2-85-FSR-1040-S		2-85-FST-1040-S		110.0
		Ultra Thick Urethane	9000		2-85-UTR-1040-S		2-85-UTT-1040-S		76.0
		Urethane on Iron	8400		2-85-UIR-1040-S		2-85-UIT-1040-S		76.0
12"	3"	Cast Iron	10000	15-1/2"	2-85-CIR-1230-S		2-85-CIT-1230-S	3-3/8"	83.0
		Durastan	7000		2-85-DUR-1230-S				34.0
		Rubber on Aluminum-EHT	4560			2-85-RAB-1230-S-EHT	2-85-RAT-1230-S-EHT		88.0
		Rubber on Iron-EHT	4560		2-85-RIR-1230-S-EHT		2-85-RIT-1230-S-EHT		83.0
		Ultra Thick Urethane	8200		2-85-UTR-1230-S		2-85-UTT-1230-S		101.0
		Urethane on Iron	6800		2-85-UIR-1230-S		2-85-UIT-1230-S		88.0
		Rubber On Iron	2280		2-85-RIR-1230-S		2-85-RIT-1230-S		83.0
12"	4"	Ultra Thick Urethane	10000	15-1/2"	2-85-UTR-1240-S		2-85-UTT-1240-S	3-3/8"	106.0
		Urethane on Iron	9600		2-85-UIR-1240-S		2-85-UIT-1240-S		96.0
12"	5"	Ultra Thick Urethane	10000	15-1/2"	2-85-UTR-1250-S		2-85-UTT-1250-S	3-3/8"	155.0
		Urethane on Iron	10000		2-85-UIR-1250-S		2-85-UIT-1250-S		155.0
12"	6"	Urethane on Iron	10000	15-1/2"	2-85-UIR-1260-S		2-85-UIT-1260-S	3-3/8"	180.0
14"	3"	Ultra Thick Urethane	9600	16-1/2"	2-85-UTR-1430-S		2-85-UTT-1430-S	3-13/16"	126.0
		Ultra Thick Urethane	10000		2-85-UTR-1440-S		2-85-UTT-1440-S		156.0
		Ultra Thick Urethane	10000		2-85-UTR-1450-S		2-85-UTT-1450-S		170.0
14"	6"	Urethane on Iron	10000	16-1/2"	2-85-UIR-1460-S		2-85-UIT-1460-S	3-13/16"	178.0
16"	3"	Durastan	8000	18-1/2"	2-85-DUR-1630-S			4"	89.0
		Ultra Thick Urethane	10000		2-85-UTR-1630-S		2-85-UTT-1630-S		94.0
		Urethane on Iron	9200		2-85-UIR-1630-S		2-85-UIT-1630-S		115.0
16"	4"	Ultra Thick Urethane	10000	18-1/2"	2-85-UTR-1640-S		2-85-UTT-1640-S	4"	165.0
		Urethane on Iron	10000		2-85-UIR-1640-S		2-85-UIT-1640-S		165.0
16"	5"	Ultra Thick Urethane	10000	18-1/2"	2-85-UTR-1650-S		2-85-UTT-1650-S	4"	205.0
		Urethane on Iron	10000		2-85-UIR-1650-S		2-85-UIT-1650-S		185.0

UP TO 10,000 POUND CAPACITY