25 Series Casters

RWM's 125 Series features the patented Kingpinless™ design. This is the design that RWM patented, and 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, reducing all possible causes for caster failure. The 125 Series offers capacity up to 40,000 pounds. Typical applications include ground support equipment, die carts, and aircraft engine stands. Leg thickness of 1/2'' adds extra strength and durability. All swivel sections are supplied with a lubrication fitting for field maintenance.

Features

Raceway Design: Patented Kingpinless™ single ball bearing precision machined raceway hardened to 53 Rockwell C Minimum, 7" diameter raceway with 3/4" diameter ball bearings

Finish: Laguna Blue paint

Wheels: Wheels are either 3", 4", 5" or 6" wide depending upon wheel size and type. Wheels have either a 3/4", 1", 1-1/4" or 1-1/2" roller bearing or 3/4", 1", 1-1/4" tapered wheel bearings. Roller bearing wheels rotate on a hardened and ground spanner, tapered wheel bearings rotate on the axle. All wheels are equipped with lubrication fittings.

Mounting Plate Size: 8-1/2" x 8-1/2" x 1/2" **Bolt Hole Spacing:** 7" x 7" Mounting Bolt Diameter: 5/8"

Applications

The 125 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.

The Majority of Competitor's Raceways

The inline positioning of the competition's raceway 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. 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.



125-UIT-0840-S

Options

DSL	Demountable Swivel Lock*				
HDSL	Heavy Duty Demountable Swivel Lock				
FCWB	Face Contact Wheel Brake				
HT	High Temperature Lubrication				
LT	Low Temperature Lubrication				
NY	Notched Yoke				
PCWB	Poly Cam Wheel Brake				
SL	Swivel Lock				
SR	Sealed Swivel Raceway				
WS	Wheel Seals				
ZP	Zinc Plated				

*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 RWM's

Raceway

- 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	J Bolt Size						
LLST/LLRT	8-1/2″ × 11″	7" x 9-3/4"	5/8″						

Heavy Duty Kingpinless™ Casters

125 Series Casters

	SPECIFICATIONS Swivel Caster Model Number									
Wheel Diameter	Wheel Width	o Wheel Type	bs. Capacity	Overall Height	Straight Roller Bearing	Nodel Number	Swivel Lead	Approx Weight		
8" 4"		Cast Iron	4000		125-CIR-0840-S	125-CIT-0840-S	2-3/16″	70.0		
		Forged Steel	10000		125-FSR-0840-S			86.0		
	A !!	Forged Steel	20000	11″		125-FST-0840-S		86.0		
	4"	Urethane on Iron	3500		125-UIR-0840-S	125-UIT-0840-S		62.0		
		V-Grooved Forged	10000		125-VFR-0840-S			80.0		
		V-Grooved Forged	15000			125-VFT-0840-S		80.0		
		Cast Iron	5000		125-CIR-1040-S	125-CIT-1040-S		90.0		
		Forged Steel	10000		125-FSR-1040-S			100.0		
		Forged Steel	20000			125-FST-1040-S		100.0		
10″	4″	Rubber On Iron	1400	13″	125-RIR-1040-S	125-RIT-1040-S	2-9/16″	72.0		
10	4	Ultra Thick Urethane	4500	13	125-UTR-1040-S	125-UTT-1040-S	2-9/10	62.0		
		Urethane on Iron	4200		125-UIR-1040-S	125-UIT-1040-S		75.0		
		V-Grooved Forged	10000		125-VFR-1040-S			92.0		
		V-Grooved Forged	15000			125-VFT-1040-S		92.0		
10″	5″	Cast Iron	6000	10//	125-CIR-1050-S	125-CIT-1050-S	20/14/	95.0		
10	5	Urethane on Iron	5000	13″	125-UIR-1050-S	125-UIT-1050-S	2-9/16″	80.0		
11//	5″	Rubber On Iron	1760	14″	125-RIR-1150-S	125-RIT-1150-S	2-5/8″	85.0		
11″	5″	Urethane on Iron	5500		125-UIR-1150-S	125-UIT-1150-S		85.0		
11″	6″	Cast Iron	10000	14″	125-CIR-1160-S	125-CIT-1160-S	2-3/4″	95.0		
		Rubber On Iron	1600		125-RIR-1240-S	125-RIT-1240-S		78.0		
12″	4″	Ultra Thick Urethane	5300	15-1/2 ″	125-UTR-1240-S	125-UTT-1240-S	3-3/8″	75.0		
		Urethane on Iron	4800		125-UIR-1240-S	125-UIT-1240-S		78.0		
		Rubber On Iron	2050	15-1/2″	125-RIR-1250-S	125-RIT-1250-S	3-3/8″	90.0		
12″	5″	Ultra Thick Urethane	6500		125-UTR-1250-S	125-UTT-1250-S		78.0		
		Urethane on Iron	6000		125-UIR-1250-S	125-UIT-1250-S		90.0		
12″ 6′	6″	Cast Iron	10000	15-1/2″	125-CIR-1260-S	125-CIT-1260-S	3-3/8″	130.0		
12	0	Urethane on Iron	7500		125-UIR-1260-S	125-UIT-1260-S		95.0		
14″	4″	Ultra Thick Urethane	6200	18″	125-UTR-1440-S	125-UTT-1440-S	3-11/16″	90.0		
14″	5″	Ultra Thick Urethane	7600	18″	125-UTR-1450-S	125-UTT-1450-S	3-11/16″	85.0		
14″	6″	Ultra Thick Urethane	9000	18″	125-UTR-1460-S	125-UTT-1460-S	3-11/16″	140.0		
		Rubber On Iron	2050	19″	125-RIR-1640-S	125-RIT-1640-S	3-9/16″	130.0		
16″	4″	Ultra Thick Urethane	7100		125-UTR-1640-S	125-UTT-1640-S		97.0		
		Urethane on Iron	6000		125-UIR-1640-S	125-UIT-1640-S		130.0		
	5″	Rubber On Iron	2570	19″	125-RIR-1650-S	125-RIT-1650-S	3-9/16″	140.0		
16″		Ultra Thick Urethane	8800		125-UTR-1650-S	125-UTT-1650-S		130.0		
		Urethane on Iron	8400		125-UIR-1650-S	125-UIT-1650-S		140.0		
18″	5″	Rubber On Iron	2800	22	125-RIR-1850-S	125-RIT-1850-S	4-1/4″	150.0		
		Urethane on Iron	8600		125-UIR-1850-S	125-UIT-1850-S		138.0		
20″ 5	5″	Rubber On Iron	2900	23″	125-RIR-2050-S	125-RIT-2050-S	4-1/4″	155.0		
	5	Urethane on Iron	9000		125-UIR-2050-S	125-UIT-2050-S		149.0		

To order a rigid caster, change the "S" to "R" in the model number. For example: "125-CIR-0840-R". To order rig only, omit the blue letters. For example: "125-0840-S". Dimensions shown are nominal. If precise dimensions are required, consult your RWM representative. For approximate weight of our rigid casters, deduct 12.5 pounds per item.