

85 SERIES CASTERS



RWM's 85 Series caster features the patented Kingpinless™ cast-er 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 85 Series offers a capacity up to 10,000 pounds and is available with wheels up to 5" wide for higher capacity ratings. This caster is built to take the punishment experienced in high shock and impact loads.



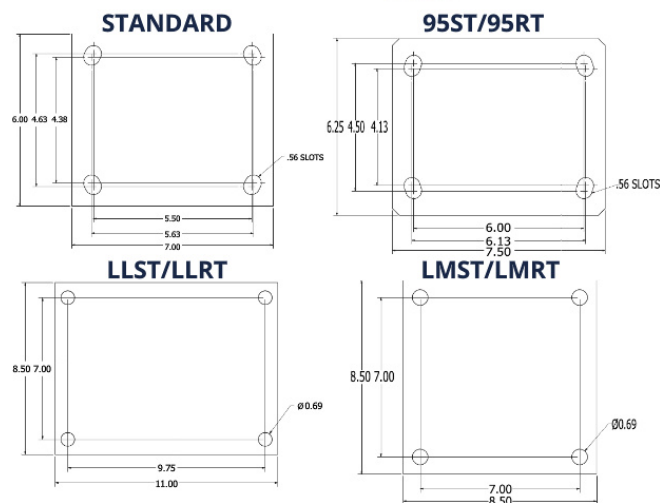
85-UIR-0830-5

FEATURES

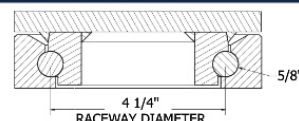
Raceway Design	Patented Kingpinless™ single ball bearing precision machined raceway hardened to 53 Rockwell C minimum. Swivel section features 4-1/4" diameter raceway with 5/8" ball bearings. The notched raceway is available upon request.
Capacity	Up to 10000 lbs.
Leg Thickness	3/8", 3" wide for 3" wheels, 4" wide for 4" wheels, 5" wide for 5" wheels.
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 powder coat.
Wheels	3" wide wheels are available with either a 1" roller bearing that rotates on a 3/4" x 1" x 3-9/16" hardened and ground spanner bushing 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 a hardened and ground spanner bushing or 1-1/4" tapered bearings which rotate on the axle. All wheels are equipped with lubricated fitting.
Mounting Plate Size	6"x7"x1/2"
Bolt Hole Spacing	4-5/8"x5-1/2" slotted to 4-3/8"x5-5/8"
Mounting Bolt Diameter	1/2"

APPLICATIONS

Tow lines	Boat & ship molding and building
Abusive conditions	Storage tanks & gantries
Automotive	Shock load applications
Aerospace	Production line dollies
Metal fabricating	Heavy machinery
Military equipment	Mobile homes
Tractor pulled trailers	Extreme duty platform trucks
Air cargo & ground support equipment	Heavy duty processing equipment and countless other heavy duty applications



KINGPINLESS RACEWAY



OPTIONS

BRAKES	
CWB	Cam Wheel Brake
PCWB	Poly Cam Wheel Brake
SWIVEL LOCKS	
8 SL	8 Position Swivel Lock
DSL	Demountable Swivel Lock
FOSL	Foot Operated Swivel Lock
HDLSL	Heavy Duty Demountable Swivel Lock
LSL	L-Type Swivel Lock
SL	Swivel Lock
VSL	Vertical Swivel Lock
LUBRICATIONS	
HT	High Temperature Lubrication
LT	Low Temperature Lubrication
FINISHES	
HTP	High Temperature Paint
ZP	Zinc Plated
GUARDS AND SWEEPERS	
FG	Foot Guard
NY	Notched Yoke
SR	Sealed Raceway
SWP	Sweeper Brush

 Wheel Diameter	 Wheel Width	 Capacity	 Wheel Type	 Overall Height	Swivel Caster Model Numbers			 Swivel Lead	 Approx Weight
					 Roller Bearing	 Ball Bearing	 Tapered Bearing		
6"	2-1/2"	2300	GT	8-1/2"		85-GTB-0625-S		2"	17
		5000	Forged Steel	8-1/2"	85-FSR-0625-S		85-FST-0625-S	2"	23
	3"	680	Rubber on Iron	8-1/2"	85-RIR-0630-S			2"	20
		1020	Rubber on Iron-EHT	8-1/2"	85-RIR-0630-S-EHT		85-RIT-0630-S-EHT	2"	20
		2000	Durastan	8-1/2"	85-DUR-0630-S			2"	17
		2000	Urethane on Iron	8-1/2"	85-UIR-0630-S		85-UIT-0630-S	2"	23
		3000	Cast Iron	8-1/2"	85-CIR-0630-S		85-CIT-0630-S	2"	24
		7000	Forged Steel	8-1/2"	85-FSR-0630-S		85-FST-0630-S	2"	28
8"	2-1/2"	7000	V-Groove Forged	8-1/2"	85-VFR-0630-S		85-VFT-0630-S	2"	32
		10000	Nylatron HD	8-1/2"		85-NYB-0630-S		2"	18
		670	Rubber on Iron	10-1/2"	85-RIR-0825-S			2-1/2"	23
		1005	Rubber on Iron-EHT	10-1/2"	85-RIR-0825-S-EHT		85-RIT-0825-S-EHT	2-1/2"	23
	3"	2400	GT	10-1/2"		85-GTB-0825-S		2-1/2"	21
		3000	V-Groove Iron	10-1/2"	85-VIR-0825-S		85-VIT-0825-S	2-1/2"	27
		4500	Forged Steel	10-1/2"	85-FSR-0825-S		85-FST-0825-S	2-1/2"	30
		840	Rubber on Iron	10-1/2"	85-RIR-0830-S			2-1/2"	23
		1260	Rubber on Iron-EHT	10-1/2"	85-RIR-0830-S-EHT		85-RIT-0830-S-EHT	2-1/2"	23
		1600	Omega	10-1/2"	85-UOR-0830-S	85-UOB-0830-S	85-UOT-0830-S	2-1/2"	26
		2500	Durastan	10-1/2"	85-DUR-0830-S			2-1/2"	21
		2500	Urethane on Iron	10-1/2"	85-UIR-0830-S		85-UIT-0830-S	2-1/2"	26
		3000	Cast Iron	10-1/2"	85-CIR-0830-S		85-CIT-0830-S	2-1/2"	28
		4000	Infinity	10-1/2"		85-UIB-0830-S-INF		2-1/2"	26
		5000	V-Groove Iron	10-1/2"	85-VIR-0830-S		85-VIT-0830-S	2-1/2"	30
		5500	Forged Steel	10-1/2"	85-FSR-0830-S		85-FST-0830-S	2-1/2"	32
		6000	V-Groove Forged Steel	10-1/2"	85-VFR-0830-S		85-VFT-0830-S	2-1/2"	29
		10000	Nylatron HD	10-1/2"		85-NYB-0830-S		2-1/2"	22
	4"	3500	Urethane on Iron	10-1/2"	85-UIR-0840-S		85-UIT-0840-S	2-1/8"	28
		4000	Cast Iron	10-1/2"	85-CIR-0840-S		85-CIT-0840-S	2-1/8"	34
		10000	Forged Steel	10-1/2"	85-FSR-0840-S		85-FST-0840-S	2-1/8"	36
		10000	V-Groove Forged Steel	10-1/2"	85-VFR-0840-S		85-VFT-0840-S	2-1/8"	36
10"	3"	1000	Rubber on Iron	12-1/2"	85-RIR-1030-S			2-9/16"	28
		1500	Rubber on Iron-EHT	12-1/2"	85-RIR-1030-S-EHT		85-RIT-1030-S-EHT	2-9/16"	28
		2000	Omega	12-1/2"	85-UOR-1030-S	85-UOB-1030-S	85-UOT-1030-S	2-9/16"	32
		2000	Rubber on Aluminum-EHT	12-1/2"		85-RAB-1030-S-EHT	85-RAT-1030-S-EHT	2-9/16"	26
		2900	Durastan	12-1/2"	85-DUR-1030-S			2-9/16"	25
		3000	Urethane on Iron	12-1/2"	85-UIR-1030-S		85-UIT-1030-S	2-9/16"	32
		3400	GT	12-1/2"		85-GTB-1030-S		2-9/16"	25
		3400	Ultra Thick Urethane	12-1/2"	85-UTR-1030-S		85-UTT-1030-S	2-9/16"	28
		4000	Cast Iron	12-1/2"	85-CIR-1030-S		85-CIT-1030-S	2-9/16"	38
		5000	Infinity	12-1/2"		85-UIB-1030-S-INF		2-9/16"	32
		5000	V-Groove Iron	12-1/2"	85-VIR-1030-S		85-VIT-1030-S	2-9/16"	44
		6000	Forged Steel	12-1/2"	85-FSR-1030-S		85-FST-1030-S	2-9/16"	39
		6000	V-Groove Forged Steel	12-1/2"	85-VFR-1030-S		85-VFT-1030-S	2-9/16"	39
		10000	Nylatron HD	12-1/2"		85-NYB-1030-S		2-9/16"	26
	4"	1400	Rubber on Iron	12-1/2"	85-RIR-1040-S		85-RIT-1040-S	2-9/16"	32
		4200	Urethane on Iron	12-1/2"	85-UIR-1040-S		85-UIT-1040-S	2-9/16"	27
		4500	Ultra Thick Urethane	12-1/2"	85-UTR-1040-S		85-UTT-1040-S	2-9/16"	32
		10000	Forged Steel	12-1/2"	85-FSR-1040-S		85-FST-1040-S	2-9/16"	44
12"	3"	1140	Rubber on Iron	15-1/2"	85-RIR-1230-S		85-RIT-1230-S	3-7/8"	38
		1710	Rubber on Iron-EHT	15-1/2"	85-RIR-1230-S-EHT		85-RIT-1230-S-EHT	3-7/8"	38
		2280	Rubber on Aluminum-EHT	15-1/2"		85-RAB-1230-S-EHT	85-RAT-1230-S-EHT	3-7/8"	35
		3400	Urethane on Iron	15-1/2"	85-UIR-1230-S		85-UIT-1230-S	3-7/8"	42
		3500	Durastan	15-1/2"	85-DUR-1230-S			3-7/8"	29
		4100	Ultra Thick Urethane	15-1/2"	85-UTR-1230-S		85-UTT-1230-S	3-7/8"	31
	4"	5000	Cast Iron	15-1/2"	85-CIR-1230-S		85-CIT-1230-S	3-7/8"	41
		6000	V-Groove Iron	15-1/2"	85-VIR-1230-S		85-VIT-1230-S	3-7/8"	43
		10000	Nylatron HD	15-1/2"		85-NYB-1230-S		3-7/8"	38
		1600	Rubber on Iron	15-1/2"	85-RIR-1240-S		85-RIT-1240-S	3-5/8"	29
12"	4"	4000	Durastan	15-1/2"	85-DUR-1240-S			3-5/8"	28
		4800	Urethane on Iron	15-1/2"	85-UIR-1240-S		85-UIT-1240-S	3-5/8"	29
		5300	Ultra Thick Urethane	15-1/2"	85-UTR-1240-S		85-UTT-1240-S	3-5/8"	36
		2050	Rubber on Iron	15-1/2"	85-RIR-1250-S		85-RIT-1250-S	3-5/8"	44
	5"	6000	Urethane on Iron	15-1/2"	85-UIR-1250-S		85-UIT-1250-S	3-5/8"	48
		6500	Ultra Thick Urethane	15-1/2"	85-UTR-1250-S		85-UTT-1250-S	3-5/8"	45

To order a rigid caster, change the "S" to "R" in the model number. For example: "85-CIR-0840-R". To order a rig only, omit the blue letters. For example: "85-0840-S". Dimensions shown are nominal. If precise dimensions are required, consult your RWM representative. For approximate weight of our rigid caster, deduct 3.9 pounds.