

53 Series Casters

RWM Caster's 53 Series features thicker legs and a 3/4" diameter axle that improves on our very popular 52 series. This caster is designed to stand up to most heavy duty industrial caster applications and is proudly Made in the U.S.A.



53-RIR-0625-S

Features

Swivel Section: Cold formed top plate, yoke and button are all heat treated to prevent brinelling, improve swivel action and increase service life. Both load and thrust bearings are hardened and ground and raceway bearings rotate on hardened raceways. Top plate and legs are 1/4" steel. Legs are formed for increased strength and continuously welded to yoke. All swivel sections are equipped with a lubrication fitting for field maintenance. RWM lubricates all swivel sections prior to shipment.

Capacity: 1800 lbs.

Kingpin: 3/4" bolt and lock nut for increased swivel section strength

Axle: 3/4" diameter axle

Finish: Zinc plated to protect against corrosion

Wheels: Wheels are available with either 1" I.D. diameter straight roller bearings which rotate on a 1" O.D. hardened and ground spanner bushing, or 3/4" I.D. tapered bearing on a 3/4" axle. The tapered bearing configuration is highly recommended for high speed and side thrust applications.

Mounting Plate Size: 4 -1/2" x 6-1/2" x 1/4"

Bolt Hole Spacing:

2-7/16" x 4-15/16",
slotted to 3-3/8" x 5-1/4"

Mounting Bolt Diameter: 1/2"



Options

CWB Cam Wheel Brake

HT High Temperature Lubrication

LT Low Temperature Lubrication

SL Swivel Lock

SR Sealed Swivel Raceway

WS Wheel Seals

Applications

The 53 Series is the perfect solution for:

- ◆ movable racks
- ◆ conveyor or dragline operations
- ◆ utility trucks
- ◆ corrugated box trucks
- ◆ maintenance carts
- ◆ heavy machinery

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 | | | |
| 5" | 2-1/2" | Cast Iron | 1800 | 7-1/8" | 53-CIR-0525-S | | 53-CIT-0525-S | 1-55/64" | 13.7 | |
| | | Cast Iron | 1800 | | 53-CIR-0625-S | | | | 15.1 | |
| | | Durastan | 1600 | | 53-DUR-0625-S | | | | 10.8 | |
| | | Forged Steel | 1800 | | 53-FSR-0625-S | | 53-FST-0625-S | | 19.5 | |
| | | GT | 1800 | | | 53-GTB-0625-S | | | 1-7/8" | 10.8 |
| | | Rubber on Iron | 540 | | 53-RIR-0625-S | | | | 13.8 | |
| | | Urethane on Iron | 1620 | | 53-UIR-0625-S | | 53-UIT-0625-S | | 17.0 | |
| V-Groove Iron | 1500 | 53-VIR-0625-S | | 53-VIT-0625-S | 17.2 | | | | | |
| 6" | 2-1/2" | Cast Iron | 1800 | 7-5/8" | 53-CIR-0825-S | | 53-CIT-0825-S | 2-5/8" | 19.7 | |
| | | Durastan | 1800 | | 53-DUR-0825-S | | | | 13.1 | |
| | | Forged Steel | 1800 | | 53-FSR-0825-S | | 53-FST-0825-S | | 29.6 | |
| | | GT | 1800 | | | 53-GTB-0825-S | | | 13.1 | |
| | | Rubber on Iron | 670 | | 53-RIR-0825-S | | | | 17.8 | |
| | | Urethane on Iron | 1800 | | 53-UIR-0825-S | | 53-UIT-0825-S | | 16.8 | |
| | | V-Groove Iron | 1800 | | 53-VIR-0825-S | | 53-VIT-0825-S | | 20.0 | |
| 8" | 2-1/2" | Cast Iron | 1800 | 10-1/4" | 53-CIR-1025-S | | 53-CIT-1025-S | 3" | 23.7 | |
| | | Durastan | 1800 | | 53-DUR-1025-S | | | | 15.1 | |
| | | Rubber on Iron | 790 | | 53-RIR-1025-S | | 53-RIT-1025-S | | 19.0 | |
| | | Urethane on Iron | 1800 | | 53-UIR-1025-S | | 53-UIT-1025-S | | 24.2 | |
| | | V-Groove Iron | 1800 | | 53-VIR-1025-S | | 53-VIT-1025-S | | | |

To order a rigid caster, change the "S" to "R" in the model number. For example: "53-CIR-0825-R". To order a rig only, omit the blue letters. For example: "53-0825-S". Dimensions shown are nominal. If precise dimensions are required, consult your RWM representative. For approximate weight of our rigid casters, deduct 1.8 pounds.

OPTIONAL MOUNTING PLATES

| Opt. Top Plate # | Mounting Plate | Bolt Hole Spacing | Bolt Size |
|------------------|----------------|-------------------|-----------|
| 43ST 43RT | 5" x 5-1/2" | 4-1/8" x 4-1/2" | 3/8" |

OPTIONAL OVERALL HEIGHTS

| Wheel Diameter | Overall Height |
|----------------|----------------|
| 5" | 6-1/2" |
| 6" | 7-1/2" |
| 8" | 10-1/8" |
| 10" | 11-1/2" |

UP TO 1,800 POUND CAPACITY