

# Urethane on Iron Wheels



RWM urethane on iron wheels are liquid cast and chemically bonded to our machined cast iron cores. The core is a heavy-duty solid web design with an oversized hub, enabling it to be machined to be fitted for special bearings or a keyway. Careful attention is made during the bonding process to assure that each urethane on iron wheel meets or exceeds RWM's high standards of performance. They will outlast rubber wheels. In addition, these wheels are non-marking to floors and provide a more quiet ride than hard tread or steel wheels. Urethane wheels also provide outstanding abrasion resistance and are resistant to most chemicals, grease, oils and water. Our Premium **PTMEG** urethane provides longer service life, better wear and tear characteristics and rejects floor debris. All wheels up to 8" x 2 1/2" wide are standard crown tread that reduces the amount of friction between the tread and the floor, improving the rollability and maneuverability of the wheel.



UIR-0615-19

## Applications

The RWM Urethane on Iron Wheel performs best in indoor applications on smooth cement floors. They are available with roller bearings for standard applications, or can be fitted with either sealed precision ball bearings or tapered bearings if being used in ergonomic or towline applications. Upgrading the bearings may increase the performance level and life of the wheel.

**URETHANE WHEEL EXPERTS**

RWM Casters has improved urethane compounds to withstand the new ergonomic, quality and value issues demanded in the aircraft, automotive and heavy-duty industrial material handling markets.

## Options

- 70D** Optional Durometer
- 80A** Optional Durometer
- TG** Thread Guard
- WS** Wheel Seals
- ZF** Zerk Fittings

## Features

- Wheel Bearing:** Choice of straight roller, annular ball bearing, celcon or precision tapered
- Temperature Range:** -40°to+180°F
- Hub Length:** Can be shortened or lengthened to order
- Hardness:** 92 Shore A Durometer
- Lubrication Fittings:** Standard on 2-1/2" and wider wheels
- Keyways:** Can be installed on most sizes

UP TO 9,000 POUND CAPACITY

### SPECIFICATIONS

Wheel Diameter	Wheel Width	Ibs. Capacity	Urethane Thickness	Axle Diameter	Straight Roller Bearing	Ball Bearing	Tapered Roller Bearing	Plain, Oilite, Celcon Bearing	Hub Length	Approx Weight
3-1/2"	1-1/4"	400	1/4"	5/16"		UIB-3512-05			1-15/32"	1.7
4"	1-1/4"	420	1/2"	5/16"		UIB-0412-05			1-15/32"	2.0
4"	1-1/2"	600	3/8"	3/8"	UIR-0415-06	UIB-0415-06		UIC-0415-06	1-7/8"	2.6
				1/2"	UIR-0415-08	UIB-0415-08	UIC-0415-08			
				5/8"	UIR-0415-10		UIC-0415-10			
				3/4"	UIR-0415-12		UIC-0415-12			
4"	2"	700	7/16"	1/2"	UIR-0420-08			UIC-0420-08	2-7/16"	3.2
				5/8"	UIR-0420-10		UIC-0420-10			
				3/4"	UIR-0420-12		UIC-0420-12			
4-1/2"	2-1/2"	1200	3/8"	3/4"	UIR-4525-12		UIT-4525-12	3-1/2"	5.9	
5"	1-1/4"	480	3/8"	5/16"		UIB-0512-05			1-15/32"	2.2
5"	1-1/2"	720	3/8"	3/8"	UIR-0515-06	UIB-0515-06		UIC-0515-06	1-7/8"	3.7
				1/2"	UIR-0515-08	UIB-0515-08	UIC-0515-08			
				5/8"	UIR-0515-10		UIC-0515-10			
				3/4"	UIR-0515-12		UIC-0515-12			
5"	2"	1050	3/8"	1/2"	UIR-0520-08			UIC-0520-08	2-7/16"	4.2
				5/8"	UIR-0520-10		UIC-0520-10			
				3/4"	UIR-0520-12		UIC-0520-12			
6"	1-1/2"	840	3/8"	3/8"	UIR-0615-06	UIB-0615-06		UIC-0615-06	1-7/8"	4.5
				1/2"	UIR-0615-08	UIB-0615-08	UIC-0615-08			
				5/8"	UIR-0615-10		UIC-0615-10			
				3/4"	UIR-0615-12		UIC-0615-12			
6"	2"	1230	1/2"	1/2"	UIR-0620-08	UIB-0620-08		UIC-0620-08	2-7/16"	5.1
				5/8"	UIR-0620-10	UIB-0620-10	UIC-0620-10			
				3/4"	UIR-0620-12	UIB-0620-12	UIC-0620-12			
6"	2-1/2"	1620	3/8"	3/4"	UIR-0625-12-YY		UIT-0625-12-YY		3"	10.2
				1"	UIR-0625-16-YY		UIT-0625-16-YY			
				1"	UIR-0625-16-YY-SI					
				1-1/4"	UIR-0625-20-YY					
				3/4"	UIR-0625-12		UIT-0625-12		3-1/2"	12.5
				1"	UIR-0625-16		UIT-0625-16			
				1"	UIR-0625-16-SI					
1-1/4"	UIR-0625-20									
6"	3"	2000	1/2"	3/4"	UIR-0630-12		UIT-0630-12		3-1/2"	13.7
				1"	UIR-0630-16		UIT-0630-16			
				1"	UIR-0630-16-SI					
				1-1/4"	UIR-0630-20					

Wheel Diameter	Wheel Width	Lbs. Capacity	Urethane Thickness	Axle Diameter	Straight Roller Bearing	Ball Bearing	Tapered Roller Bearing	Plain, Oilite, Celcon Bearing	Hub Length	Approx Weight
8"	2"	1500	7/16"	1/2"	UIR-0820-08	UIB-0820-08		UIC-0820-08	2-7/16"	8.2
				5/8"	UIR-0820-10	UIB-0820-10	UIC-0820-10			
				3/4"	UIR-0820-12	UIB-0820-12	UIC-0820-12			
8"	2-1/2"	1800	3/8"	3/4"	UIR-0825-12-YY		UIT-0825-12-YY		3"	11.0
				1"	UIR-0825-16-YY		UIT-0825-16-YY			
				1"	UIR-0825-16-YY-SI					
				1-1/4"	UIR-0825-20-YY					
				3/4"	UIR-0825-12		UIT-0825-12		3-1/2"	13.4
				1"	UIR-0825-16		UIT-0825-16			
1"	UIR-0825-16-SI									
8"	3"	2500	1/2"	1-1/4"	UIR-0825-20					
				3/4"	UIR-0830-12		UIT-0830-12		3-1/2"	17.0
				1"	UIR-0830-16		UIT-0830-16			
				1"	UIR-0830-16-SI					
1-1/4"	UIR-0830-20									
8"	4"	3500	1/2"	1"	UIR-0840-16-SI		UIT-0840-16		4-1/2"	24.0
				1-1/4"	UIR-0840-20		UIT-0840-20			
				1-1/4"	UIR-0840-20-SI					
				1-1/2"	UIR-0840-24		UIT-0840-24			
10"	2-1/2"	2370	1/2"	3/4"	UIR-1025-12-YY		UIT-1025-12-YY		3"	17.3
				1"	UIR-1025-16-YY		UIT-1025-16-YY			
				1-1/4"	UIR-1025-20-YY					
				1"	UIR-1025-16-YY-SI					
				3/4"	UIR-1025-12		UIT-1025-12		3-1/2"	19.0
				1"	UIR-1025-16		UIT-1025-16			
1"	UIR-1025-16-SI									
10"	3"	3000	1/2"	1-1/4"	UIR-1025-20					
				3/4"	UIR-1030-12		UIT-1030-12		3-1/2"	20.8
				1"	UIR-1030-16		UIT-1030-16			
				1"	UIR-1030-16-SI					
1-1/4"	UIR-1030-20		UIT-1030-20							
10"	4"	4200	1"	1"	UIR-1040-16-SI		UIT-1040-16		4-1/2"	28.0
				1-1/4"	UIR-1040-20		UIT-1040-20			
				1-1/4"	UIR-1040-20-SI					
				1-1/2"	UIR-1040-24		UIT-1040-24			
10"	5"	5000	1/2"	1"	UIR-1050-16-SI		UIT-1050-16		5-1/2"	40.0
				1-1/4"	UIR-1050-20		UIT-1050-20			
				1-1/4"	UIR-1050-20-SI					
				1-1/2"	UIR-1050-24		UIT-1050-24			
12"	2-1/2"	2700	1/2"	3/4"	UIR-1225-12-YY		UIT-1225-12-YY		3"	28.8
				1"	UIR-1225-16-YY		UIT-1225-16-YY			
				1"	UIR-1225-16-YY-SI					
				1-1/4"	UIR-1225-20-YY					
12"	3"	3400	1/2"	3/4"	UIR-1230-12		UIT-1230-12		3-1/2"	31.5
				1"	UIR-1230-16		UIT-1230-16			
				1"	UIR-1230-16-SI					
				1-1/4"	UIR-1230-20		UIT-1230-20			
12"	3-1/2"	4100	1"	1-1/4"	UIR-1235-20		UIT-1235-20		4-1/2"	32.0
12"	4"	4800	1"	1"	UIR-1240-16-SI		UIT-1240-16		4-1/2"	35.6
				1-1/4"	UIR-1240-20		UIT-1240-20			
				1-1/4"	UIR-1240-20-SI					
				1-1/2"	UIR-1240-24		UIT-1240-24			
12"	5"	6000	1"	1"	UIR-1250-16-SI		UIT-1250-16		5-1/2"	65.0
				1-1/4"	UIR-1250-20		UIT-1250-20			
				1-1/4"	UIR-1250-20-SI					
				1-1/2"	UIR-1250-24		UIT-1250-24			
12"	6"	7500	3/8"	1"	UIR-1260-16-SI		UIT-1260-16		6-1/2"	70.0
				1-1/4"	UIR-1260-20		UIT-1260-20			
				1-1/2"	UIR-1260-24		UIT-1260-24			
14"	3"	4300	1"	3/4"	UIR-1430-12		UIT-1430-12		3-1/2"	28.6
				1"	UIR-1430-16		UIT-1430-16			
				1"	UIR-1430-16-SI					
				1-1/4"	UIR-1430-20					
14"	6"	7800	1-1/2"	1-1/4"	UIR-1460-20		UIT-1460-20		6-1/2"	69.0
16"	4"	6000	1"	1"	UIR-1640-16-SI		UIT-1640-16		4-1/2"	51.0
				1-1/4"	UIR-1640-20		UIT-1640-20			
				1-1/4"	UIR-1640-20-SI					
				1-1/2"	UIR-1640-24		UIT-1640-24			
16"	5"	8400	1"	1"	UIR-1650-16-SI		UIT-1650-16		5-1/2"	70.0
				1-1/4"	UIR-1650-20		UIT-1650-20			
				1-1/4"	UIR-1650-20-SI					
				1-1/2"	UIR-1650-24		UIT-1650-24			
18"	5"	8600	1"	1"	UIR-1850-16-SI		UIT-1850-16		5-1/2"	90.0
				1-1/4"	UIR-1850-20		UIT-1850-20			
				1-1/4"	UIR-1850-20-SI					
				1-1/2"	UIR-1850-24		UIT-1850-24			
20"	5"	9000	2"	1"	UIR-2050-16-SI		UIT-2050-16		5-1/2"	100.0
				1-1/4"	UIR-2050-20		UIT-2050-20			
				1-1/4"	UIR-2050-20-SI					
				1-1/2"	UIR-2050-24		UIT-2050-24			

UP TO 9,000 POUND CAPACITY