

# POLYURETHANE /IRON CORE (PI)

Capacities to 9,000 lbs.

## Standard Features

- **Composition** - Cast Iron Core with a chemically bonded polyurethane tread
- **Zerk Fitting In Hub** - (5" Dia. up)
- **Tread Hardness** - 90 to 95 dur. shore A
- **Nylon Sealed Washers** - On all 1 1/2" and 2" wide roller bearing wheels



PI62R-12

## APPLICATIONS:

General warehouse where high capacity and floor protection are required.

3/8" and 1/2" nominal tread thicknesses allow for low starting and rolling resistance.

## Optional Features

- **Roller Bearing Seals** - (Suffix -SW)
- **Tapered Bearing Seals** - Consult factory
- **Special Bore Sizes, Keyways, Set Screws** - Consult factory
- **Low Durometer Tread** - Consult factory

Dia. Inches (mm)	Face Inches (mm)	Hub Length Inches (mm)	Load Capacity lbs. (KGS)	Wt. lbs. (KGS)	Plain Bore or Bore Less Roller Bearing		Roller Bearing		Tapered Roller Bearing	
					Part No.	Sizes	Part No.	Sizes	Part No.	Sizes
3 1/4 (83)	1 1/2 (38)	1 5/8 (41)	450 (203)	1.5 (0.7)	PI31-19	1 3/16	PI31R-12	1/2, 5/8, 3/4	—	—
	2 (50)	2 3/16 (56)	550 (247)	2.5 (1.0)	PI32-19	1 3/16	PI32R-12	1/2, 5/8, 3/4	—	—
4 (102)	1 1/2 (38)	1 5/8 (41)	675 (304)	2.0 (0.9)	PI41-19	1 3/16	PI41R-12	1/2, 5/8, 3/4	—	—
	2 (50)	2 3/16 (56)	750 (338)	3.0 (1.4)	PI42-19	1 3/16	PI42R-12	1/2, 5/8, 3/4	—	—
	3 1/4 (83)	3 1/4 (83)	1275 (574)	5.0 (2.3)	PI43-31	1 15/16	PI43R-16	3/4, 1, 1 1/4	—	—
5 (127)	1 1/2 (38)	1 5/8 (41)	700 (315)	2.5 (1.0)	PI51-19	1 3/16	PI51R-12	1/2, 5/8, 3/4	—	—
	2 (50)	2 3/16 (56)	1050 (473)	3.0 (1.4)	PI52-19	1 3/16	PI52R-12	1/2, 5/8, 3/4	—	—
	3 (76)	3 1/4 (83)	1550 (698)	7.0 (3.0)	PI53-31	1 15/16	PI53R-16	3/4, 1, 1 1/4	PI53T-16	3/4, 1
6 (152)	1 1/2 (38)	1 5/8 (41)	850 (383)	4.0 (1.8)	PI61-19	1 3/16	PI61R-12	1/2, 5/8, 3/4	—	—
	2 (50)	2 3/16 (56)	1200 (540)	4.5 (2.0)	PI62-19	1 3/16	PI62R-12	1/2, 5/8, 3/4	PI62T-12	3/4
	2 1/2 (63)	2 3/4 (70)	1625 (732)	6.5 (2.9)	PIS625-31	1 15/16	PIS625R-16	3/4, 1, 1 1/2	PIS625T-16	3/4, 1
	2 1/2 (63)	3 1/4 (83)	1625 (732)	7.0 (3.0)	PI625-31	1 15/16	PI625R-16	3/4, 1, 1 1/4	PI625T-16	3/4, 1
8 (203)	3 (76)	3 1/4 (83)	2050 (922)	9.5 (4.3)	PI63-31	1 15/16	PI63R-16	1, 1 1/4	PI63T-16	3/4, 1
	2 (50)	2 3/16 (56)	1500 (675)	7.0 (3.0)	PI82-19	1 3/16	PI82R-12	1/2, 5/8, 3/4	PI82T-12	3/4
	2 1/2 (63)	2 3/4 (70)	1950 (878)	8.5 (3.8)	PIS825-31	1 15/16	PIS825R-16	3/4, 1, 1 1/2	PIS825T-12	3/4, 1
	2 1/2 (63)	3 1/4 (83)	1950 (878)	9.5 (4.3)	PI825-31	1 15/16	PI825R-16	3/4, 1, 1 1/2	PI825T-16	3/4, 1
	3 (76)	3 1/4 (83)	2500 (1125)	12.5 (5.6)	PI83-31	1 15/16	PI83R-16	1, 1 1/4	PI83T-16	3/4, 1
9 (229)	4 (102)	4 1/4 (108)	3800 (1710)	16 (7.2)	PI84-31	1 15/16	PI84R-20	1, 1 1/4	PI84T-16	3/4, 1
	5 (133)	5 1/4 (133)	4300 (1935)	30 (13.5)	PI95-39	2 7/16	PI95R-20	1, 1 1/4	PI95T-20	1, 1 1/4
10 (254)	2 1/2 (63)	2 3/4 (70)	2500 (1125)	13 (5.9)	PIS1025-31	1 15/16	PIS1025R-16	3/4, 1, 1 1/4	PIS1025T-16	3/4, 1
	2 1/2 (63)	3 1/4 (83)	2500 (1125)	14 (6.3)	PI1025-31	1 15/16	PI1025R-16	3/4, 1, 1 1/4	PI1025T-16	3/4, 1
	3 (76)	3 1/4 (83)	3000 (1350)	16 (7.2)	PI103-31	1 15/16	PI103R-16	1, 1 1/4	PI103T-16	3/4
	4 (102)	4 1/4 (108)	4200 (1890)	23 (10.4)	PI104-39	2 7/16	PI104R-20	1, 1 1/4	PI104T-20	1, 1 1/4
	5 (133)	5 1/4 (133)	5000 (2250)	33 (15)	PI105-39	2 7/16	PI105R-20	1, 1 1/4, 1 1/2	PI105T-20	1, 1 1/4
12 (305)	2 1/2 (63)	2 3/4 (70)	2800 (1260)	19.5 (8.8)	PIS1225-31	1 15/16	PIS1225R-16	3/4, 1, 1 1/4	PIS1225T-16	3/4, 1
	2 1/2 (63)	3 1/4 (83)	2800 (1260)	19.5 (8.8)	PI1225-31	1 15/16	PI1225R-16	3/4, 1, 1 1/4	PI1225T-16	3/4, 1
	3 (76)	3 1/4 (83)	3850 (1733)	21.5 (9.7)	PI123-31	1 15/16	PI123R-16	1, 1 1/4, 1 1/2	PI123T-16	3/4, 1
	3 1/2 (89)	4 1/4 (108)	4200 (1890)	27 (12)	PI1235-39	2 7/16	PI1235R-20	1, 1 1/4, 1 1/2	PI1235T-16	1, 1 1/4
	4 (102)	4 1/4 (108)	4800 (2160)	30 (13.5)	PI124-39	2 7/16	PI124R-20	1, 1 1/4, 1 1/2	PI124T-20	1, 1 1/4

Dia. Inches (mm)	Face Inches (mm)	Hub Length Inches (mm)	Load Capacity lbs. (KGS)	Wt. lbs. (KGS)	Plain Bore or Bore Less Roller Bearing		Roller Bearing		Tapered Roller Bearing	
					Part No.	Sizes	Part No.	Sizes	Part No.	Sizes
14 (356)	3 (76)	3 1/4 (83)	3650 (1643)	34 (15)	PI143-31	1 15/16	PI143R-20	1, 1 1/4	PI143T-20	1, 1 1/4
16 (406)	3 (76)	3 1/4 (83)	4400 (1980)	32 (14.5)	PI163-31	1 15/16	PI163R-20	1, 1 1/4	PI163T-20	1, 1 1/4
	4 (102)	4 1/4 (108)	6000 (2700)	40 (18)	PI164-39	2 7/16	PI164R-24	1, 1 1/4, 1 1/2	PI164T-20	1, 1 1/4
18 (457)	5 (133)	5 1/4 (133)	7700 (3465)	72 (32)	PI165-39	2 7/16	PI165R-24	1 1/4, 1 1/2	PI165T-20	1 1/4, 1 1/2
	5 (133)	5 1/4 (133)	8500 (3825)	90 (40.5)	PI185-39	2 7/16	PI185R-24	1 1/4, 1 1/2	PI185T-24	1 1/4, 1 1/2
20 (508)	5 (133)	5 1/4 (133)	9000 (4050)	100 (45)	PI205-39	2 7/16	PI205R-24	1 1/4, 1 1/2	PI205T-24	1 1/2

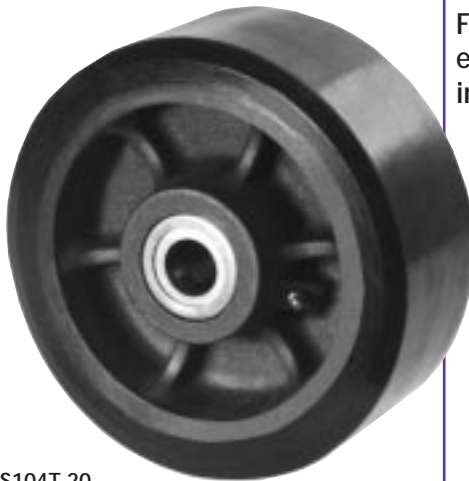
**Note:** Standard bearing size is called out in last two digits of part number in sixteenths (ie.PI62R -12= 3/4" bearing, PI62R-10 = 5/8" bearing). For smaller bore refer to spanner bushings in component parts selection (page 102).

## POLYURETHANE /SEVERE DUTY (PS)

Capacities to 4,800 lbs.

### Standard Features

- **Composition** - SAE-1030 Close grained grey iron core
- **Full 1" Polyurethane Tread On All Tapered Bearing Wheels**
- **Heavy Automotive Casting**
- **Tread Hardness** - 90 to 95 dur. shore A
- **Temperature Range Of** -30° to 140°F



PS104T-20

### Optional Features

- **Low Durometer Tread** - 80 shore A (consult factory)
- **Roller Bearing Seals** - (Suffix -SW)

### APPLICATIONS:

From general warehouse duty to extreme use applications such as in line tow systems and power drawn trailers.

These quality wheels offer 5-10 times the normal life of rubber. Highest capacities available in a floor protective wheel.



PS82R-12

Dia. Inches (mm)	Face Inches (mm)	Hub Length Inches (mm)	Load Capacity lbs. (KGS)	Wt. lbs. (KGS)	Plain Bore or Bore Less Roller Bearing		Roller Bearing		Tapered Roller Bearing	
					Part No.	Sizes	Part No.	Sizes	Part No.	Sizes
4 (102)	2 (50)	2 1/4 (57)	580 (261)	2.7 (1.2)	PS42-19	1 3/16	PS42R-12	3/4	—	—
5 (127)	2 (50)	2 1/4 (57)	700 (315)	3 (1.4)	PS52-19	1 3/16	PS52R-12	3/4	—	—
6 (152)	2 (50)	2 1/4 (57)	1000 (450)	5 (2.3)	PS62-19	1 3/16	PS62R-12	3/4	—	—
	2 1/2 (64)	2 5/8 (66)	1650 (742)	9 (4.0)	PS625-25	1 9/16	PS625R-16	1	PS625T-12	3/4
8 (203)	3 (76)	3 1/4 (83)	2000 (900)	10 (4.5)	PS63-25	1 9/16	PS63R-16	1	PS63T-12	3/4
	2 (50)	2 1/4 (57)	1350 (608)	10 (4.5)	PS82-19	1 3/16	PS82R-12	3/4	PS82T-12	3/4
	2 1/2 (64)	2 3/4 (70)	2000 (900)	12 (5.4)	PS825-25	1 9/16	PS825R-16	1	PS825T-12	3/4
10 (254)	3 (76)	3 1/4 (83)	2500 (1125)	13 (5.9)	PS83-29	1 13/16	PS83R-16	1	PS83T-12	3/4, 1, 1 1/4
	4 (102)	4 1/2 (114)	4200 (1890)	27 (12)	—	—	—	—	PS104T-20	1 1/4
	2 1/2 (64)	2 3/4 (70)	2000 (900)	18 (8.1)	PS1025-25	1 9/16	PS1025R-16	1	PS1025T-12	3/4
12 (305)	3 (76)	3 1/4 (83)	2600 (1170)	22 (10)	PS103-29	1 13/16	PS103R-16	1	PS103T-12	3/4, 1 1/4
	4 (102)	4 1/2 (114)	4800 (2160)	34 (15)	—	—	—	—	PS123T-12	3/4, 1 1/4
									PS124T-20	1 1/4

**Note:** Standard bearing size is called out in last two digits of part number in sixteenths (ie.PS62R-12 = 3/4" bearing, PS42R-10 = 5/8" bearing). For smaller bore refer to spanner bushings in component parts selection (page 102).