

# POLYOLEFIN (BLACK & WHITE) (PB/PW)

Capacities to 800 lbs.

## Standard Features

- **Composition** - Injection molded polyolefin
- **Floor Protective**
- **Resistant To Water, Solvents, Grease, And Mild Acids**
- **Temperature Range Of -20° to 230°F**
- **FDA Approved**
- **Nylon Sealed Washers** - On all roller bearing wheels

## Optional Features

- **White Polyolefin** - (Change prefix **PB** to **PW**)



PB62R-12



PW62D-12

## APPLICATIONS:

Used in food processing environments. White color allows identification of contaminants during steam cleaning. Material will not absorb water and is unaffected by blood and animal fats.

Its low cost and good load carrying characteristics also make polyolefin a popular material for general warehouse applications of all types.



PB514P-08

Dia. Inches (mm)	Tread Width Inches (mm)	Hub Length Inches (mm)	Load Capacity lbs. (KGS)	Wt. lbs. (KGS)	Plain Bore or Bore Less Roller Bearing		Roller Bearing		Delrin Bearing	
					Part No.	Sizes	Part No.	Sizes	Part No.	Sizes
2 1/2 (60)	13/16 (21)	1 5/32 (29)	90 (40.5)	0.2 (.1)	PB210P-04	1/4	—	—	—	—
	1 1/8 (28)	1 3/8 (35)	200 (90)	0.2 (.1)	PB25P-05	5/16, 3/8, 1/2	—	—	—	—
3 (76)	13/16 (21)	1 5/32 (29)	100 (45)	0.3 (.1)	PB310P-04	1/4	—	—	—	—
	1 1/4 (32)	1 9/16 (40)	270 (121)	0.5 (.2)	PB314P-08	3/8, 1/2	—	—	—	—
3 1/2 (89)	1 1/4 (32)	1 9/16 (40)	270 (121)	0.5 (.2)	PB35P-06	3/8, 1/2	—	—	—	—
4 (102)	3/16 (21)	1 5/32 (29)	125 (56)	0.3 (.1)	PB410P-04	1/4	—	—	—	—
	1 1/4 (32)	1 9/16 (40)	275 (124)	0.5 (.2)	PB414P-06	3/8, 1/2	—	—	—	—
	1 1/2 (38)	1 5/8 (41)	400 (180)	0.75 (.4)	PB41-19	3/8, 1/2, 5/8, 1 3/16	PB41R-12	1/2, 5/8, 3/4	PB41D-12	1/2, 5/8, 3/4
	2 (50)	2 3/16 (56)	450 (203)	1.0 (.45)	PB42-19	1/2, 5/8, 3/4, 1 3/16	PB42R-12	1/2, 5/8, 3/4	PB42D-12	1/2, 5/8, 3/4
5 (127)	15/16 (24)	1 5/32 (29)	135 (61)	0.3 (.1)	PB510P-05	5/16	—	—	—	—
	1 3/8 (35)	1 1/2 (38)	275 (124)	0.5 (.2)	PB514P-08	3/8, 1/2	—	—	—	—
	1 1/2 (38)	1 5/8 (41)	450 (203)	1.0 (.45)	PB51-19	3/8, 1/2, 5/8, 1 3/16	PB51R-12	1/2, 5/8, 3/4	PB51D-12	1/2, 5/8, 3/4
	2 (50)	2 3/16 (56)	650 (292)	1.25 (.6)	PB52-19	1/2, 5/8, 3/4, 1 3/16	PB52R-12	1/2, 5/8, 3/4	PB52D-12	1/2, 5/8, 3/4
6 (152)	1 1/2 (38)	1 5/8 (41)	450 (203)	1.0 (.45)	PB61-19	3/8, 1/2, 5/8, 3/4, 1 3/16	PB61R-12	1/2, 5/8, 3/4	PB61D-12	1/2, 5/8, 3/4
	2 (50)	2 3/16 (56)	700 (315)	1.5 (.7)	PB62-19	1/2, 5/8, 3/4, 1 3/16	PB62R-12	1/2, 5/8, 3/4	PB62D-12	1/2, 5/8, 3/4
8 (203)	2 (50)	2 3/16 (56)	800 (360)	1.75 (.8)	PB82-19	1/2, 5/8, 3/4, 1 3/16	PB82R-12	1/2, 5/8, 3/4	PB82D-12	1/2, 5/8, 3/4

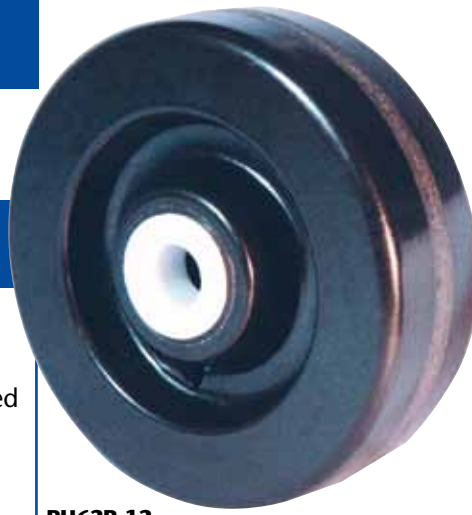
**Note:** Standard bearing size is called out in last two digits of part number in sixteenths (ie. PB62R-12 = 3/4" bearing, PB62R-10 = 5/8" bearing). For smaller bore refer to spanner bushings in component parts selection (page 52).

# PHENOLIC (PH)

Capacities to 8,000 lbs.

## Standard Features

- **Composition** - Phenolic resin compound molded with macerated canvas under extreme pressure
- **High Capacity Yet Floor Protective**
- **Resistant To Shock Or Impact**
- **Temperature Range Of 65° to 250°F (intermittent to 300°F)**
- **Resistant To Oils, Water, Mild Acids And Alkali Solutions**
- **Sealed Washers** - On all 1 1/2" & 2" wide wheels with roller bearing
- **Very Low Rolling Resistance**



PH62R-12

## Optional Features

- **Roller Bearing Seals** - (Suffix -SW)
- **Zerk Fittings** - (Suffix -ZF)
- **High Temperature Compound** - (change PH to HT, example: HT42R-12) for 475°F continuous or 525°F intermittent use

**APPLICATIONS:**  
Combining high capacity and relatively low cost, phenolic wheels are among the most popular.

Suitable for a broad range of applications, they are used extensively in bakeries, smoke house operations, and food processing environments.



PH514R-08

Dia. Inches (mm)	Tread Width Inches (mm)	Hub Length Inches (mm)	Load Capacity lbs. (KGS)	Wt. lbs. (KGS)	Plain Bore or Bore Less Roller Bearing		Roller Bearing		Delrin Bearing	
					Part No.	Sizes	Part No.	Sizes	Part No.	Sizes
3 (76)	1 1/4 (32)	1 3/8 (35)	300 (135)	.5 (.20)	—	—	PH314R-08	1/2	—	—
3 1/4 (83)	1 1/2 (38)	1 5/8 (41)	600 (270)	.7 (.30)	PH31-19	1 3/16	PH31R-12	1/2, 5/8, 3/4	PH31D-12	1/2, 5/8, 3/4
	2 (50)	2 3/16 (56)	600 (270)	.75 (.30)	PH32-19	1 3/16	PH32R-12	1/2, 5/8, 3/4	PH32D-12	1/2, 5/8, 3/4
3 1/2 (89)	1 1/4 (32)	1 3/8 (35)	300 (135)	.6 (.25)	PH35-17	1 1/16	PH35R-08	1/2	—	—
4 (102)	1 1/4 (32)	1 3/8 (35)	300 (135)	.75 (.35)	PH414-17	1 1/16	PH414R-08	1/2	—	—
	1 1/2 (38)	1 5/8 (41)	600 (270)	1.0 (.45)	PH41-19	1 3/16	PH41R-12	1/2, 5/8, 3/4	PH41D-12	1/2, 5/8, 3/4
	1 5/8 (41)	1 15/16 (49)	500 (225)	1.0 (.45)	—	—	PH415R-10	5/8	—	—
	2 (50)	2 3/16 (56)	800 (360)	1.5 (.70)	PH42-19	1 3/16	PH42R-12	1/2, 5/8, 3/4	PH42D-12	1/2, 5/8, 3/4
5 (127)	1 1/4 (32)	1 3/8 (35)	300 (135)	1.3 (.70)	PH514-17	1 1/16	PH514R-08	1/2	—	—
	1 1/2 (38)	1 5/8 (41)	600 (270)	1.5 (.70)	PH51-19	1 3/16	PH51R-12	1/2, 5/8, 3/4	PH51D-12	1/2, 5/8, 3/4
	2 (50)	2 3/16 (56)	1000 (450)	1.75 (.80)	PH52-19	1 3/16	PH52R-12	1/2, 5/8, 3/4	PH52D-12	1/2, 5/8, 3/4
6 (152)	1 1/2 (38)	1 5/8 (41)	800 (360)	1.5 (.70)	PH61-19	1 3/16	PH61R-12	1/2, 5/8, 3/4	PH61D-12	1/2, 5/8, 3/4
	2 (50)	2 3/16 (56)	1200 (540)	2.5 (1.1)	PH62-19	1 3/16	PH62R-12	1/2, 5/8, 3/4	PH62D-12	1/2, 5/8, 3/4
	2 1/2 (63)	2 3/4 (70)	1500 (675)	4.0 (1.8)	PHS625-19	1 3/16	PHS625R-12	5/8, 3/4	PHS625D-12	1/2, 5/8, 3/4
	2 1/2 (63)	2 3/4 (70)	1600 (720)	4.3 (1.9)	PHS625-31	1 15/16	PHS625R-16	1, 1 1/4	PHS625D-16	1, 1 1/4
	2 1/2 (63)	3 1/4 (83)	1600 (720)	4.3 (1.9)	PH625-31	1 15/16	PH625R-16	1, 1 1/4	PH625D-16	1, 1 1/4
	3 (76)	3 1/4 (83)	2000 (900)	5.0 (2.3)	PH63-31	1 15/16	PH63R-16	1, 1 1/4	PH63D-16	1, 1 1/4
7 (178)	3 (76)	3 1/4 (83)	2200 (990)	6.5 (2.9)	PH73-31	1 15/16	PH73R-16	1, 1 1/4	PH73D-16	1, 1 1/4
8 (203)	2 (50)	2 3/16 (56)	1400 (630)	4.0 (1.8)	PH82-19	1 3/16	PH82R-12	1/2, 5/8, 3/4	PH82D-12	1/2, 5/8, 3/4
	2 1/2 (63)	2 3/4 (70)	1600 (720)	5.3 (2.4)	PHS825-19	1 3/16	PHS825R-12	5/8, 3/4	PHS825D-12	1/2, 5/8, 3/4
	2 1/2 (63)	2 3/4 (70)	1800 (810)	5.7 (2.6)	PHS825-31	1 15/16	PHS825R-16	1, 1 1/4	PHS825D-16	1, 1 1/4
	2 1/2 (63)	3 1/4 (83)	2000 (900)	6.3 (2.8)	PH825-31	1 15/16	PH825R-16	1, 1 1/4	PH825D-16	1, 1 1/4
	3 (76)	3 1/4 (83)	2500 (1125)	7.0 (3.2)	PH83-31	1 15/16	PH83R-16	1, 1 1/4	PH83D-16	1, 1 1/4
10 (254)	2 1/2 (63)	2 3/4 (70)	1600 (720)	7.0 (3.2)	PHS1025-19	1 3/16	PHS1025R-12	5/8, 3/4	PHS1025D-12	1/2, 5/8, 3/4
	2 1/2 (63)	2 3/4 (70)	1800 (810)	7.5 (3.4)	PHS1025-31	1 15/16	PHS1025R-16	1, 1 1/4	PHS1025D-16	1, 1 1/4
	2 1/2 (63)	3 1/4 (83)	2500 (1125)	7.8 (3.5)	PH1025-31	1 15/16	PH1025R-16	1, 1 1/4	PH1025D-16	1, 1 1/4
	3 (76)	3 1/4 (83)	2600 (1170)	9.7 (4.4)	PH103-31	1 15/16	PH103R-16	1, 1 1/4	PH103D-16	1, 1 1/4

Dia. Inches (mm)	Tread Width Inches (mm)	Hub Length Inches (mm)	Load Capacity lbs. (KGS)	Wt. lbs. (KGS)	Plain Bore or Bore Less Roller Bearing		Roller Bearing		Delrin Bearing	
					Part No.	Sizes	Part No.	Sizes	Part No.	Sizes
<b>12</b> (305)	2 1/2 (63)	2 3/4 (70)	1800 (810)	11.3 (5.1)	PHS1225-31	1 15/16	PHS1225R-16	1, 1 1/4	PHS1225D-16	1, 1 1/4
	2 1/2 (63)	3 1/4 (83)	3000 (1350)	11.8 (5.3)	PH1225-31	1 15/16	PH1225R-16	1, 1 1/4	PH1225D-16	1, 1 1/4
	3 (76)	3 1/4 (83)	3500 (1575)	12.8 (5.8)	PH123-31	1 15/16	PH123R-16	1, 1 1/4	PH123D-16	1, 1 1/4
	3 1/2 (89)	4 1/4 (108)	4000 (1800)	23.5 (10.6)	PH1235-39	2 7/16	PH1235R-20	1 1/4, 1 1/2	—	—
<b>16</b> (406)	3 (76)	4 1/4 (108)	4000 (1800)	25.0 (11.3)	PH163-39	2 7/16	PH163R-20	1 1/4, 1 1/2	—	—
	3 1/2 (89)	4 1/4 (108)	6000 (2700)	30.5 (13.7)	PH1635-39	2 7/16	PH1635R-20	1 1/4, 1 1/2	—	—
	4 (102)	5 1/4 (133)	8000 (3600)	36.0 (16.2)	PH164-39	2 7/16	PH164R-20	1 1/4, 1 1/2	—	—
<b>18</b> (457)	3 (76)	3 1/4 (83)	3500 (1575)	24.0 (10.8)	PH183-31	1 15/16	PH183R-16	1, 1 1/4	PH183D-16	1, 1

**Note:** Standard bearing size is called out in last two digits of part number in sixteenths (ie. PH62R-**12** = 3/4" bearing, PH62R-**10** = 5/8" bearing). For smaller bore refer to spanner bushings in component parts selection (page 52).



# REINFORCED THERMOPLASTIC (RT)

Capacities to 1,400 lbs.

- ### Standard Features
- **Composition** - Reinforced Thermoplastic
  - **Temperature Range Of** -20° to 250°F
  - **Resists Shock & Impact Loads**
  - **Low Rolling Resistance**
  - **Optional Sealed Precision Ball Bearing**



RT32-19

**APPLICATIONS:**  
Like Phenolic Wheels, high resistance to shock and impact loads. Suitable for food processing environments. Resists caustics and chemical will not absorb water.

Dia. Inches (mm)	Tread Width Inches (mm)	Hub Length Inches (mm)	Load Capacity lbs. (KGS)	Wt. lbs. (KGS)	Plain Bore or Bore Less Roller Bearing		Roller Bearing		Delrin Roller Bearing	
					Part No.	Sizes	Part No.	Sizes	Part No.	Sizes
<b>3</b> (76)	1 13/16 (46)	2 3/16 (56)	700 (315)	1.1 (.5)	RT32-19	1 3/16	RT32R-12	3/4	RT32D-12	1/2, 5/8, 3/4
<b>4</b> (102)	2 (50)	2 3/16 (56)	800 (360)	2.0 (.9)	RT42-19	1 3/16	RT42R-12	3/4	RT42D-19	1/2, 5/8, 3/4
<b>5</b> (127)	2 (50)	2 3/16 (56)	1000 (450)	2.8 (1.3)	RT52-19	1 3/16	RT52R-12	3/4	RT52D-19	1/2, 5/8, 3/4
<b>6</b> (152)	2 (50)	2 3/16 (56)	1200 (540)	3.0 (1.4)	RT62-19	1 3/16	RT62R-12	3/4	RT62D-19	1/2, 5/8, 3/4
<b>8</b> (203)	2 (50)	2 3/16 (56)	1400 (630)	3.5 (1.6)	RT82-19	1 3/16	RT82R-12	3/4	RT82D-19	1/2, 5/8, 3/4

**Note:** Standard bearing size is called out in last two digits of part number in sixteenths (ie. RT62R-**12** = 3/4" bearing, RT62R-**10** = 5/8" bearing). For smaller bore refer to spanner bushings in component parts selection.

# HARD RUBBER (HR)

Capacities to 600 lbs.

## Standard Features

- **Composition** - Hard rubber molded throughout
- **Good Load Rating, Good Floor Protection**
- **Temperature Range of -40° to 158°F**



HR514P-06

## APPLICATIONS:

Popular in general and light medium duty series.

Hard wheel offers low rolling resistance. Will not flat spot under static load.

Dia. Inches (mm)	Tread Width Inches (mm)	Hub Length Inches (mm)	Load Capacity lbs. (KGS)	Wt. lbs. (KGS)	Plain Bore or Bore Less Roller Bearing		Roller Bearing		Ball Bearing	
					Part No.	Sizes	Part No.	Sizes	Part No.	Sizes
<b>2</b> (50)	1 (25)	1 1/64 (26)	150 (67)	.07 (.03)	HR20P-04*	1/4	—	—	—	—
<b>2 1/2</b> (63)	1 1/8 (28)	1 3/8 (35)	200 (90)	.2 (.09)	HR25P-05*	5/16	—	—	—	—
<b>3</b> (76)	13/16 (21)	1 1/64 (26)	100 (95)	.2 (.09)	HR310P-04*	1/4	—	—	—	—
	1 1/4 (32)	1 9/16 (40)	270 (122)	.25 (.11)	HR314P-06*	3/8	HR314R-08	1/2	HR314B-06	3/8
<b>3 1/2</b> (89)	1 5/16 (33)	1 9/16 (40)	275 (124)	.4 (.18)	HR3514P-06*	3/8	—	—	—	—
<b>4</b> (102)	15/16 (24)	1 5/32 (29)	125 (56)	.25 (.11)	HR410P-05*	5/16	—	—	—	—
	1 1/4 (32)	1 9/16 (40)	275 (124)	.4 (.18)	HR414P-06*	3/8	HR414R-08	1/2	HR414B-06	3/8
	1 5/8 (41)	1 15/16 (49)	420 (189)	.6 (.27)	HR415P-07*	7/16	HR415R-10	5/8	—	—
<b>5</b> (127)	15/16 (24)	1 5/32 (29)	135 (61)	.35 (.16)	HR510P-05*	5/16	—	—	—	—
	1 1/4 (32)	1 9/16 (40)	300 (135)	1.0 (.45)	HR514P-06*	3/8	HR514R-08	1/2	HR514B-06	3/8

• Supplied with celcon bushing designed to run directly on axle.

\* Supplied with oil impregnated sintered iron bushing designed to run directly on axle.