

Hamilton Caster proudly introduces a new softer polyurethane tread wheel—**Poly-Soft®**—formulated for a quieter operation and greater resistance to foreign objects and debris (F.O.D.). As the name implies, **Poly-Soft®** wheel tread hardness measures 82-85D (Shore A scale) vs. the harder **Duralast®** 90-95D (Shore A).

The new, livelier material cushions the load thereby reducing vibration on the load resulting in a quieter ride and less wear and tear on the caster and cargo. In addition, the new urethane has been engineered to repel steel chips, nuts, bolts, pins, etc. and takes on "super ball"-type properties that offer an energized wheel. The newly formulated wheel has found popularity among automotive plants and those customers wanting to lower factory noise levels, and improve floor protection.

Double sealed precision ball bearings are available for superior rollability and reduced maintenance costs (No greasing is required). Precision tapered bearings for towed and the most rigorous of applications are also available as well as the traditional straight roller bearing.

PHYSICAL PROPERTIES

Composition - High grade liquid cast polyurethane.

Hardness - 82-85 Durometer (Shore A).

Elongation at Break - 570% or more.

Tensile Strength - 6000-6200 psi.

Tear Strength - 500 pli. min.

Abrasion Resistance - 5-10 times ordinary rubber.

Temperature Range - 50° to +175°F intermittent; 0° to 150°F continuous. Not damaged by occasional steam cleaning.

Poly-Soft® wheels are also available **PRONTO®** with precision ball bearings in most forged steel and cold forged casters.

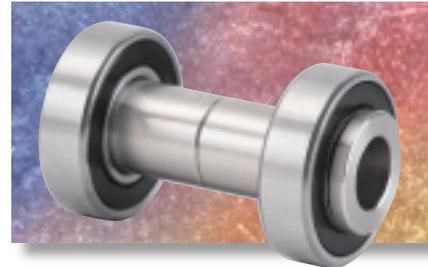
All sizes with straight and tapered roller bearings over 5" diameter include ball-check lubrication fittings in the hub.

The chart below offers our most popular sizes, but this new soft poly tread can also be molded to Hamilton's other standard cast iron, forged steel, and/or aluminum centers in finished sizes ranging from 3¼" to 20" in diameter. Consult the factory for pricing and availability.



OPTIONAL EXTRAS

- Extra Hard (70D) Urethanes available for higher capacities, consult factory.
- Wheel Bearing Seals – see pg. 18.
- Keyways, and/or set screws, for locking wheels on shaft – see pg. 18.
- Special Hub Length – hubs can be cut to provide shorter length, spacer washers furnished to increase length.
- Spanner Bushings – select from pg. 77



This double sealed precision ball bearing and top hat assembly provides superior rollability and reduced maintenance costs, (no greasing is required).

★ = available for 1-2 day **PRONTO®** shipment.

Dimensions in Inches

Dia.	Face	Hub Length†	Cap. Lbs.	Straight Roller Bearings		Precision Ball Bearings		Tapered Roller Bearings		Hub Outside Dia.	Wt. Lbs.
				Catalog Number	Brg. Size	Catalog Number	Brg. Size*	Catalog Number	Brg. Size		
4	1½	1¾	480	W-415-SP-	½-¾-¾	X	X	X	X	1½	2½
	2	2¼	600	★W-420-SP-	½-¾-¾-1	★W-420-SPB-½	½	X	X	1¾	4
5	1½	1¾	560	W-515-SP-	½-¾-¾	W-515-SPB-½	½	X	X	1½	3
	2	2¼	840	★W-520-SP-	½-¾-¾-1	★W-520-SPB-½	½	★W-520-SPT-¾	¾	2¼	4½
6	1½	1¾	680	W-615-SP-	½-¾-¾	W-615-SPB-½	½	W-615-SPT-¾	¾	2¼	4½
	2	2¼	960	★W-620-SP-	½-¾-¾-1	★W-620-SPB-	½-¾	★W-620-SPT-¾	¾	2¼	5¾
	2½	3¼	1300	W-625-SP-	1-1¼	W-625-SPB-¾	¾	W-625-SPT-	¾-1-1¼	2¾	10¼
	3	3¼	1800	W-630-SP-	1-1¼	★W-630-SPB-¾	¾	★W-630-SPT-	¾-1-1¼	2¾	12
8	2	2¼	1200	★W-820-SP-	½-¾-¾-1	★W-820-SPB-	½-¾	★W-820-SPT-¾	¾	2¾	8¾
	2½	3¼	1600	W-825-SP-	1-1¼	W-825-SPB-¾	¾	W-825-SPT-	¾-1-1¼	2¾	16
	3	3¼	2000	W-830-SP-	1-1¼	★W-830-SPB-¾	¾	★W-830-SPT-	¾-1-1¼	2¾	16¾
10	2½	3¼	2000	W-1025-SP-	1-1¼-1½	W-1025-SPB-¾	¾	W-1025-SPT-	¾-1-1¼	2¾	15
	3	3¼	2400	W-1030-SP-	1-1¼-1½	★W-1030-SPB-¾	¾	★W-1030-SPT-	¾-1-1¼	3	20½
12	3	3¼	2800	W-1230-SP-	1-1¼-1½	★W-1230-SPB-¾	¾	★W-1230-SPT-	¾-1-1¼	3½	38

† Precision Ball Bearings include top hat spanners that add ¼" to the published hub length.

* The bearing size represents the inside diameter of the top hat bushing (included).

♣ These wheels are spoke-type; all others are solid-web.

To order, add bearing size to catalog number.
Example: W-620-SPB-½.

