

## Forged Steel Wheels



Forging technology produces the ultimate tensile strength in industrial wheels. Coupled with solid billet design, this makes Hamilton Forged Steel Wheels virtually indestructible. Consequently, load limits are governed by bearing capacity.

Wheel treads are machined smooth and concentric, with a slight crown that lessens energy requirements by aiding turnability under heavy loads. All sizes above 5" x 2" are available with precision tapered roller bearings in order to realize maximum benefits from the capacity potentials. All wheels listed below come with a new clearcoat finish, and all wheels 5" and above have ball-check lubrication fittings installed in the hubs.

Flanged and V-Grooved wheels of forged steel are also available—see catalog pages 68-71.

### FEATURED WHEEL BEARINGS



**Precision Ball Bearings:** double sealed, maintenance free, superior rollability aids manual applications, not recommended if shock loading is prevalent.



**Precision Tapered Roller Bearings:** best for most severe heavy duty and power-towed applications



**Straight Roller Bearing:** traditional anti-friction bearing, best for manual applications where shock loading (but no side thrust) is prevalent.



The FS & SY Series are backed by Hamilton's Three Year Product Warranty. Refer to selection table for qualifying wheels.

To order, add bearing size to catalog number.  
Example: W-840-FST-1¼.

★ = same day/next day PRONTO® shipment.

### FS Series Selection Table

3YR = 3 Year Warranty applies

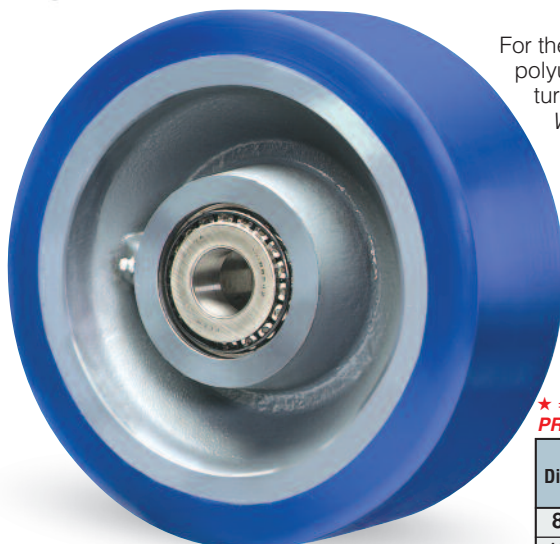
Dia.	Face	Hub Length	Plain Bore			Straight Roller Bearings			Precision Ball Bearings			Tapered Roller Bearings			Wt. Lbs.
			Cap. Lbs.	Hamilton Model No.	Bore Size	Cap. Lbs.	Hamilton Model No.	Bearing Sizes	Cap. Lbs.	Hamilton Model No.	Brg. Size	Cap. Lbs.	Hamilton Model No.	Bearing Sizes	
4	1½	2¼	1400	★ W-415-FSL-1⅜	1⅜	1400	★ W-415-FS-	½-⅝-¾	1400	W-415-FSB-½	3YR ½	X	X	X	5
5	2	2¼	2000	★ W-5-FSL-1⅜	1⅜	1500	★ W-5-FS-	½-⅝-¾	2000	W-5-FSB-½	3YR ½	2000	W-5-FST-½	3YR ½	6
6	2	2¼	2500	★ W-6-FSL-1⅜	1⅜	2000	★ W-6-FS-	⅝-¾-1	2500	★ W-6-FSB-½	3YR ½	2500	W-6-FST-½	3YR ½	7
	2½	3¼	4500	★ W-625-FSL-1⅜	1⅜	3500	★ W-625-FSH-	1-1¼	3500	★ W-625-FSB-¾	3YR ¾	4500	W-625-FST-	3YR ¾-1	10
8	3	3¼	12,000	★ W-630-FSL-2⅜	2⅜	6000†	★ W-630-FSH-	1-1¼-1½	7000	★ W-630-FSB-¾	3YR ¾	12,000‡	★ W-630-FST-	3YR ¾-1-1¼	20
	3	3¼	14,000	★ W-830-FSL-2⅜	2⅜	6000†	★ W-830-FSH-	1-1¼-1½	7000	★ W-830-FSB-¾	3YR ¾	14,000‡	★ W-830-FST-	3YR ¾-1-1¼	27
10	4	4¼	17,000	W-840-FSL-2⅜	2⅜	6500‡	W-840-FSH-	1¼-1½	X	X	X	17,000	★ W-840-FST-	3YR 1¼-1½	35
	3	3¼	6500	★ W-1030-FSL-2⅜	2⅜	6000†	★ W-1030-FSH-	1-1¼-1½	6500	★ W-1030-FSB-¾	3YR ¾	6500‡	★ W-1030-FST-	3YR ¾-1-1¼	27
12*	4	4¼	18,000	W-1040-FSL-2⅜	2⅜	7500‡	W-1040-FSH-	1¼-1½	X	X	X	18,000	★ W-1040-FST-	3YR 1¼-1½	44
	4	4¼	23,000	W-1240-FSL-2⅜	2⅜	7500‡	W-1240-FSH-	1¼-1½	X	X	X	23,000‡	W-1240-FST-	3YR 1¼-1½	130

† Based on 1400 hours of bearing life at 1 m.p.h., or 610 hours of life at 2 m.p.h. using largest bearing size. Bearing capacities depend upon the interrelationships of load, speed and life—e.g., load can be increased 50% if designing for only 500 hours of life at 2 m.p.h.; or load can be increased approximately 1000 lbs. by reducing speed to 1 m.p.h. Other rules of thumb: reducing load by one half increases life by ten times; reducing speed by one half doubles the life.

‡ Based on largest bearing size and 2500 hours of life at 2 m.p.h.

\* This wheel is of 1045 steel.

## Superlast® Wheels



For the extra tough jobs requiring protective polyurethane treads, Hamilton manufactures these top-of-the-line Superlast® Wheels. The extra-thick (1") blue treads (hardness of 90-95 Shore A) are liquid cast and chemically bonded to solid-web, drop forged steel centers. Precision tapered roller bearings

are standard, making these high capacity wheels ideal for power towing at limited speeds. Ball-check lubrication fittings are provided in the hubs.

For casters utilizing these wheels, see pages 22, 23, and 24.



To order, add bearing size to catalog number.  
Example: W-1040-SYT-1¼.

★ = same day/next day PRONTO® shipment.

### SY Series Selection Table

3YR = 3 Year Warranty applies

Dia.	Face	Hub Length	Cap. Lbs.	Plain Bore		Straight Roller Bearings		Tapered Roller Bearings		Wt. Lbs.
				Hamilton Model No.	Bore Size	Hamilton Model No.	Bearing Sizes	Hamilton Model No.	Bearing Sizes	
8	3	3¼	3500	★ W-830-SYL-2⅜	2⅜	★ W-830-SYH-	1-1¼-1½	★ W-830-SYT-	3YR ¾-1-1¼	26
10	4	4¼	5000	★ W-1040-SYL-2⅜	2⅜	★ W-1040-SYH-	1¼-1½	★ W-1040-SYT-	3YR 1¼-1½	45
12	4	4¼	6000	★ W-1240-SYL-2⅜	2⅜	★ W-1240-SYH-	1¼-1½	★ W-1240-SYT-	3YR 1¼-1½	60