

Metal Wheels



#W-620-MB-1/2

With one of the industry's largest lines of metal wheels (most are cast iron, a few of the smaller sizes sintered iron), Hamilton has come to be known as the first place to go for new or replacement metal wheels. In the last three years, the most popular metal wheel sizes have been upgraded with larger hubs and less scrap metal content to represent the most durable and highest quality metal wheels in the industry.

All metal wheels over 5" diameter include lubrication fittings in the hubs (lube axles are recommended for the smaller sizes). Faces of some plain bore wheels are not normally machined, nor are faces machined on any wheels that are not indicated by footnote (+, *, or §).

Not all sizes have solid web center – see chart.

To order, add bore or bearing size to Hamilton number.
Example: W-620-M-3/4.

Some non-standard bores within the minimum and maximum range shown may require an extra charge; close tolerances are always special and can be quoted upon receipt of details.

OPTIONAL ACCESSORIES *(more help on page 12)*

- **Straight or Tapered Roller Bearing Seals.**
- **Special Hub Length**
 - hubs can be cut to provide shorter length, spacer washers furnished to increase length.
- **Keyways, and/or set screws**
 - for locking wheels on shaft.
- **Spanner Bushings**
 - select from page 90.

FEATURED WHEEL BEARINGS



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



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



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



★ = same day/next day PRONTO® shipment.

M Series Selection Table

Dia. *	Face	Hub Length	Load Cap. Lbs.	Plain Bore				Straight Roller Bearings		Precision Ball Bearings		Tapered Roller Bearings		Casting Number	Hub Outside Dia.	Wt. Lbs.
				Hamilton Model No.	Standard Bore	Min. Bore	Max. Bore	Hamilton Model No.	Bearing Sizes	Hamilton Model No.	Bearing Size	Hamilton Model No.	Bearing Sizes			
2 1/2	1*	1 1/2	250	★ W-210-ML-5/8	5/8	X	X	X	X	X	X	X	X	X	3/4	3/4
	1 1/2*	1 1/2	250	W-215-ML-1 1/8	1 1/8	X	X	W-215-M-	1/2-5/8-3/4	X	X	X	X	5215	1 1/4	1 1/4
	2*	2 1/4	275	W-220-ML-1 3/8	1 3/8	X	X	W-220-M-	1/2-5/8-3/4	X	X	X	X	5220	1 3/4	2
2 3/4	1 1/2•	1 1/2	250	W-275-ML-1 3/8	1 3/8	X	X	W-275-M-	1/2-5/8-3/4	X	X	X	X	040020	1 3/4	1 1/2
	1 1/4*	1 1/2	250	★ W-312-ML-	3/8 1/2 or 9/16	X	X	W-312-M-3/8	3/8-1/2	X	X	X	X	X	1 1/4	1
4	1 1/2•§	1 1/4	550	W-415-ML-	1 1/8	1 1/8	1 1/4	★ W-415-M-	1/2-5/8-3/4	X	X	W-415-MT-3/4	3/4	040285	2 1/4	2 1/2
	1 1/2	1 1/4	400	W-416-ML-	7/16	3/8	5/8	X	X	X	X	X	X	040140	1 1/8	2 3/4
	2•§	2 1/4	1000	★ W-420-ML-	1 1/8	1 1/8	1 1/4	★ W-420-M-	1/2-5/8-3/4	★ W-420-MB-1/2	1/2	W-420-MT-3/4	3/4	040285	2 1/4	2 3/4
4 1/4	2 1/2*•	3 1/4	1200	W-430-ML-	1 15/16	1 15/16	2 3/16	W-430-M-	1-1 1/4	X	X	W-430-MT-	3/4-1	040340	2 1/2	8
4 1/2	1 1/2•	1 3/4	400	W-475-ML-	1 3/8	1 1/8	1 1/8	W-475-M-	1/2-5/8	X	X	X	X	040320	1 3/4	3 1/4
	1 1/2•§	1 3/4	750	W-515-ML-	1 3/8	1 3/8	1 3/4	★ W-515-M-	1/2-5/8-3/4	X	X	W-515-MT-3/4	3/4	040525	2 1/4	4 1/4
5	1 3/4•§	2 1/4	750	W-518-ML-	1 3/8	1 3/8	1 3/4	W-518-M-	1/2-5/8-3/4	W-518-MB-1/2	1/2	W-518-MT-3/4	3/4	040525	2 1/4	4 3/4
	2•§	2 1/4	1300	★ W-520-ML-	1 3/8 or 1 1/8	1 3/8	1 3/4	★ W-520-M-	1/2-5/8-3/4-1	★ W-520-MB-1/2	1/2	W-520-MT-3/4	3/4	040525	2 1/4	5
	2 1/2•	3 1/4	2500	W-525-ML-1 15/16	1 15/16	1 1/8	X	W-525-M-	1-1 1/4	W-525-MB-3/4	3/4	W-525-MT-	3/4-1	X	2 1/2	10 1/4
	3•	3 1/4	1500	W-530-ML-	1 15/16	1 1/8	2 3/16	W-530-M-	1-1 1/4	W-530-MB-3/4	3/4	W-530-MT-	3/4-1-1 1/4	040582	2 3/4	9 1/4
6	1 1/4•	1 3/4	500	W-612-ML-	1 3/8	1 1/8	1 3/4	W-612-M-	1/2-5/8-3/4	X	X	W-612-MT-3/4	3/4	040765	2 1/4	5
	1 1/2•§	1 3/4	850	W-615-ML-	1 3/8	1 1/8	1 3/4	★ W-615-M-	1/2-5/8-3/4	X	X	W-615-MT-3/4	3/4	040765	2 1/4	5 1/2
	2•§	2 1/4	1400	★ W-620-ML-	1 3/8 or 1 1/8	1 3/8	1 3/4	★ W-620-M-	1/2-5/8-3/4-1	★ W-620-MB-1/2	1/2	W-620-MT-3/4	3/4	040765	2 1/4	6
	2 1/2•+	3 1/4	2200	W-625-ML-1 15/16	1 15/16	1 3/4	2 1/16	★ W-625-M-	1-1 1/4	W-625-MB-3/4	3/4	W-625-MT-	3/4-1-1 1/4	040870	2 1/2	9 1/2
7	3•+	3 1/4	2500	★ W-630-ML-	1 15/16	1 15/16	2 1/16	★ W-630-M-	1-1 1/4	★ W-630-MB-3/4	3/4	W-630-MT-	3/4-1-1 1/4	040870	3	12
	2•§	2 1/4	1000	W-720-ML-	1 3/8	1 3/8	1 1/8	W-720-M-	3/4-1	W-720-MB-1/2	1/2	W-720-MT-3/4	3/4	040895	2 3/8	7
	2 1/2•	3 1/4	1500	W-725-ML-	1 15/16	1 15/16	2 1/16	W-725-M-	1-1 1/4	W-725-MB-3/4	3/4	W-725-MT-	3/4-1-1 1/4	040960	3 3/8	11 3/4
8	3•	3 1/4	3000	W-730-ML-1 15/16	1 15/16	X	X	W-730-M-	1-1 1/4	W-730-MB-3/4	3/4	W-730-MT-	3/4-1-1 1/4	040960	2 3/4	14
	2•	2 1/4	1500	★ W-820-ML-	1 1/8	1 3/8	1 1/8	★ W-820-M-	1/2-5/8-3/4-1	★ W-820-MB-1/2	1/2	W-820-MT-	3/4	041070	2 3/8	15
	2 1/2•	3 1/4	2500	W-825-ML-1 15/16	1 15/16	1 3/4	2 1/2	★ W-825-M-	1-1 1/4	W-825-MB-3/4	3/4	W-825-MT-	3/4-1-1 1/4	041210	3	23
	3•	3 1/4	2600	W-830-ML-	1 15/16	1 3/4	2 1/2	★ W-830-M-	1-1 1/4	★ W-830-MB-3/4	3/4	W-830-MT-	3/4-1-1 1/4	041210	3	23
9	4*•	4 1/4	3500	W-840-ML-	1 15/16	1 15/16	2 1/16	W-840-M-	1-1 1/4	X	X	W-840-MT-	1-1 1/4	041210	3	28
	2 1/2*•	3 1/4	2000	W-925-ML-1 15/16	1 15/16	1 3/4	2 1/16	W-925-M-	1-1 1/4	W-925-MB-3/4	3/4	W-925-MT-	3/4-1-1 1/4	041220	2 3/4	12
	3*•	3 1/4	3000	W-930-ML-	1 15/16	1 3/4	2 1/16	W-930-M-	1-1 1/4	W-930-MB-3/4	3/4	W-930-MT-	3/4-1-1 1/4	041270	3	20

(chart continues top of next page)

★ = same day/next day PRONTO® shipment.

Dia. *	Face	Hub Length	Load Cap. Lbs.	Plain Bore				Straight Roller Bearings		Precision Ball Bearings		Tapered Roller Bearings		Hub Outside Dia.	Wt. Lbs.	
				Hamilton Model No.	Standard Bore	Min. Bore	Max. Bore	Hamilton Model No.	Bearing Sizes	Hamilton Model No.	Bearing Size	Hamilton Model No.	Bearing Sizes			Casting Number
10	2½†	¾	2500	W-1025-ML-1½§	1½	X	X	★ W-1025-M-	1-1¼	W-1025-MB-¾	¾	W-1025-MT-	¾-1-1¼	041320	3	17
	3†	¾	2600	W-1030-ML-1½§	1½	X	X	★ W-1030-M-	1-1¼	★ W-1030-MB-¾	¾	W-1030-MT-	¾-1-1¼	041400	3	17¼
	3½*	¾	3000	W-1035-ML-	2¾	2¾	2¾	W-1035-M-	1-1¼	X	X	W-1035-MT-	1-1¼	041420	3¼	24
	4*	¾	3000	W-1040-ML-2¾	2¾	X	X	W-1040-M-	1-1¼-1½	X	X	W-1040-MT-1¼	1¼	041440	3¼	22
11	3**•	¾	4000	W-1130-ML-	2¾	1½	2½	W-1130-M-	1-1¼-1½	W-1130-MB-¾	¾	W-1130-MT-	1-1¼	041520	3½	33
	4**•	¾	4000	W-1140-ML-	2¾	1½	2½	W-1140-M-	1-1¼-1½	X	X	W-1140-MT-	1-1¼	041540	3½	40
12	2*	¾	1200	W-1220-ML-	1½	¾	1½	W-1220-M-	¾-1	X	X	W-1220-MT	¾-1	041620	2½	18¼
	2½	¾	1200	W-1225-ML-1½§	1½	X	X	★ W-1225-M-	1-1¼	W-1225-MB-¾	¾	X	X	041640	2½	18½
	3†	¾	2500	W-1230-ML-	1½	1	2¼	★ W-1230-M-	1-1¼	W-1230-MB-¾	¾	W-1230-MT-	¾-1-1¼	041660	3¼	26
	5	5¼	5500	W-1250-ML-	2¾	2¾	3¾	W-1250-M-	1¼-1½	X	X	W-1250-MT-	1¼-1½	041700	4	52
14	3*	¾	2500	W-1430-ML-	1½	1½	2¾	W-1430-M-	1-1¼	W-1430-MB-¾	¾	W-1430-MT-	¾-1	041760	3½	26
	5	5¼	6000	W-1450-ML-	2¾	2¾	3¾	W-1450-M-	1½-1¾-2	X	X	W-1450-MT-	1¼-1½	041780	4¼	64
16	3*	¾	2500	W-1630-ML-	1½	1½	2¾	W-1630-M-	1-1¼	W-1630-MB-¾	¾	W-1630-MT-	¾-1-1¼	041820	3¼	36
	5	5¼	6500	W-1650-ML-	2¾	2¾	3¾	W-1650-M-	1¼-1½	X	X	W-1650-MT-	1¼-1½	041840	4¼	74
18	3*	¾	4000	W-1830-ML-	1½	1½	2¾	W-1830-M-	1-1¼	X	X	W-1830-MT-1¼	1¼	041940	3¼	57
	5	5¼	7000	W-1850-ML-	2¾	2¾	3¾	W-1850-M-	1½-1¾-2	X	X	W-1850-MT-	1¼-1½	041960	4¼	86

- * Diameters listed are nominal; actual diameter may differ as much as ¼" due to pattern or casting variations. Advise if diameter is critical.
- † Furnished with face machine finished only when ordered with bearings or with standard bearing bore. Faces of many other wheels listed can be machined at extra cost.
- * These wheels are pressure-molded sintered iron, smooth and concentric.
- * Tapered bearing models furnished with machine finished face.
- These wheels have solid metal centers (no spokes); others are spoke-type.
- ‡ Ductile Iron Blank.
- § These wheels have a machined crowned face.

Stainless Steel Wheels

Stainless Steel wheels are ideally suited for corrosive situations, high heat environments and heavy-duty applications. These wheels are made from Type 303 stainless steel and are also available as machined V-Grooved wheels in the same diameters. (For use in stainless steel casters, see pages 48, 54, & 55).

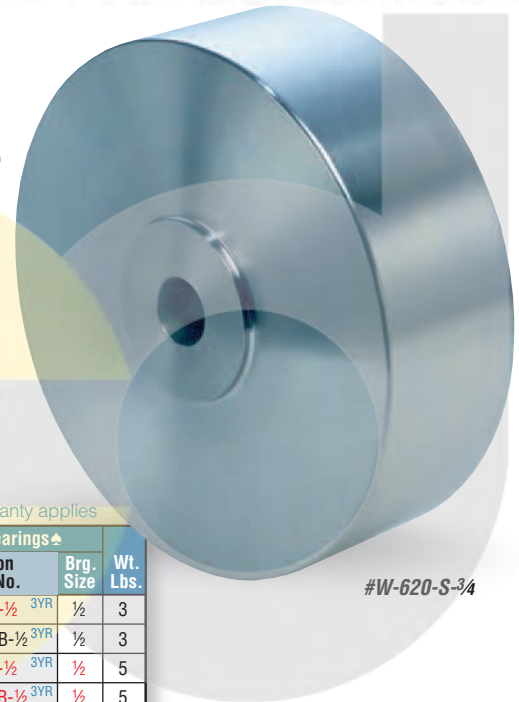
Series S wheels are available with either plain bore, Delrin® bearings, or stainless steel ball bearings. Consult factory for custom machining or special bearing options (allowing even higher capacities).

Series S wheels are ideal in harsh environments such as autoclaves, food processing plants, chemical plants, pharmaceutical operations, and on animal cages.

THREE YEAR WARRANTY



The Stainless Steel Series (S) is backed by Hamilton's Three Year Product Warranty.



★ = same day/next day PRONTO® shipment.

S Series Selection Table

3YR = 3 Year Warranty applies

Dia.	Face	Plain Bore			Delrin® Bearings				S.S Precision Ball Bearings				Wt. Lbs.	
		Cap. Lbs.	Hub Length	Hamilton Model No.	Bore Size	Cap. Lbs.	Hub Length	Hamilton Model No.	Brg. Size	Cap. Lbs.	Hub Length	Hamilton Model No.		Brg. Size
3	1½	450	1¾	W-313-S-½	½	450	1¾	W-313-SZ-½	½	450	1¾	★ W-313-SB-½	½	3
		450	1¾	W-313-SV-½	½	450	1¾	W-313-SVZ-½	½	450	1¾	W-313-SVB-½	½	3
4	1½	550	1¾	W-413-S-½	½	600	1¾	W-413-SZ-½	½	600	1¾	★ W-413-SB-½	½	5
		550	1¾	★ W-413-SV-½	½	600	1¾	★ W-413-SVZ-½	½	600	1¾	★ W-413-SVB-½	½	5
	2	800	2¼	★ W-420-S-¾	¾	850	2¼	W-420-SZ-¾	¾	850	2¼	★ W-420-SB-½	½	7
		800	2¼	★ W-420-SV-¾	¾	850	2¼	W-420-SVZ-¾	¾	850	2¼	★ W-420-SVB-½	½	7
5	2	900	2¼	★ W-520-S-¾	¾	950	2¼	W-520-SZ-¾	¾	950	2¼	★ W-520-SB-½	½	11
		900	2¼	★ W-520-SV-¾	¾	950	2¼	★ W-520-SVZ-¾	¾	950	2¼	★ W-520-SVB-½	½	10
6	2	950	2¼	W-620-S-¾	¾	1000	2¼	W-620-SZ-¾	¾	1200	2½	★ W-620-SB-½	½	16
		950	2¼	★ W-620-SV-¾	¾	1000	2¼	W-620-SVZ-¾	¾	1200	2½	★ W-620-SVB-½	½	15
8	2	1100	2¼	W-820-S-¾	¾	1000	2¼	W-820-SZ-¾	¾	1500	2½	★ W-820-SB-½	½	29
		1100	2¼	W-820-SV-¾	¾	1000	2¼	W-820-SVZ-¾	¾	1500	2½	★ W-820-SVB-½	½	27

♣ Precision Ball Bearing models include ½" top hat spanners. (Hub length shown includes spanners.)

NOTE: Model numbers containing the letter "V" are V-grooved wheels.