

# Metal Wheels

## Series M — Cap. to 7,000 lbs.



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 §).

Some nonstandard 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 FEATURES

- 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, or "filler" washers furnished for greater length.
- Spanner Bushings – select from pg. 77.

To order, add bore or bearing size to catalog number.  
Example: W-620-M-<sup>3</sup>/<sub>4</sub>.

Not all sizes have solid web center – see chart.

★ = available **PRONTO**® with bearing size in red.

Dimensions in Inches

Dia. ★	Face	Hub Length	Load Cap. Lbs.	Plain Bore			Straight Roller Bearings		Tapered Roller Bearings		Casting Number	Hub Outside Dia.	Wt. Lbs.	
				Catalog Number	Standard Bore	Min. Bore	Max. Bore	Catalog Number	Bearing Sizes	Catalog Number				Bearing Sizes
2 1/2	1* 1 3/8	1 3/8	250	★W-210-ML-5/16	5/16	X	X	X	X	X	X	3/4	3/4	
	1 1/2* 1 3/8	1 3/8	250	W-215-ML-1 3/16	1 3/16	X	X	W-215-M-	1/2-5/8-3/4	X	X	5215	1 3/4	1 3/4
2 3/4	2* 2 1/4	2 1/4	275	W-220-ML-1 3/16	1 3/16	X	X	W-220-M-	1/2-5/8-3/4	X	X	5220	1 3/4	2
	1 1/2• 1 3/8	1 3/8	250	W-275-ML-1 3/16	1 3/16	X	X	W-275-M-	1/2-5/8-3/4	X	X	4MR	1 3/4	1 1/2
3	1 1/4* 1 1/8	1 1/8	250	★W-312-ML-	3/8 1/2 or 13/16	X	X	W-312-M-3/8	3/8	X	X	X	1 1/4	1
	1 1/2•§ 1 3/4	1 3/4	550	W-415-ML-	1 3/16	1 3/16	1 3/4	★W-415-M-	1/2-5/8-3/4	W-415-MT-3/4	3/4	040285	2 1/4	2 1/2
4	1 1/2 1 3/4	1 3/4	400	W-416-ML-	7/16	3/8	5/8	X	X	X	X	400B	1 1/8	2 3/4
	2•§ 2 1/4	2 1/4	1000	★W-420-ML-	1 3/16	1 3/16	1 3/4	★W-420-M-	1/2-5/8-3/4	W-420-MT-3/4	3/4	040285	2 1/4	2 3/4
4 1/4	2 1/2*• 3 1/4	3 1/4	1200	W-430-ML-	1 15/16	1 15/16	2 3/8	W-430-M-	1-1 1/4	W-430-MT-	3/4-1	5430-H	2 1/2	8
4 1/2	1 1/2• 1 3/4	1 3/4	400	W-475-ML-	1 3/16	1 1/8	1 1/8	W-475-M-	1/2-5/8	X	X	6R1	1 3/4	3 1/4
	1 1/2•§ 1 3/4	1 3/4	750	W-515-ML-	1 3/16	1 3/16	1 3/4	★W-515-M-	1/2-5/8-3/4	W-515-MT-3/4	3/4	040525	2 1/4	4 1/4
5	1 3/4•§ 2 1/4	2 1/4	750	W-518-ML-	1 3/16	1 3/16	1 3/4	W-518-M-	1/2-5/8-3/4	W-518-MT-3/4	3/4	040525	2 1/4	4 3/4
	2•§ 2 1/4	2 1/4	1300	★W-520-ML-	1 3/16 or 1 7/16	1 3/16	1 3/4	★W-520-M-	1/2-5/8-3/4-1	W-520-MT-3/4	3/4	040525	2 1/4	5
6	2 1/2*• 3 1/4	3 1/4	2500	W-525-ML-1 15/16	1 15/16	X	X	W-525-M-	1-1 1/4	W-525-MT-	3/4-1	X	2 1/2	10 1/4
	3+• 3 1/4	3 1/4	1500	W-530-ML-	1 15/16	1 3/8	2 3/8	W-530-M-	1-1 1/4	W-530-MT-	3/4-1-1 1/4	040582	2 3/4	9 1/4
7	1 1/4•§ 1 3/4	1 3/4	500	W-612-ML-	1 3/16	1 3/16	1 3/4	W-612-M-	1/2-5/8-3/4	W-612-MT-3/4	3/4	040765	2 1/4	5
	1 1/2•§ 1 3/4	1 3/4	850	W-615-ML-	1 3/16	1 3/16	1 3/4	★W-615-M-	1/2-5/8-3/4	W-615-MT-3/4	3/4	040765	2 1/4	5 1/2
8	2•§ 2 1/4	2 1/4	1400	★W-620-ML-	1 3/16 or 1 7/16	1 3/16	1 3/4	★W-620-M-	1/2-5/8-3/4-1	W-620-MT-3/4	3/4	040765	2 1/4	6
	2 1/2+ 3 1/4	3 1/4	2200	W-625-ML-1 15/16	1 15/16	1 3/4	2	★W-625-M-	1-1 1/4	W-625-MT-	3/4-1	650	2 1/2	9 1/2
9	3+ 3 1/4	3 1/4	2500	★W-630-ML-	1 15/16	1 15/16	2 1/8	★W-630-M-	1-1 1/4	W-630-MT-	3/4-1-1 1/4	63	3	12
	2•§ 2 1/4	2 1/4	1000	W-720-ML-	1 3/16	1 3/16	1 1/8	W-720-M-	3/4-1	W-720-MT-3/4	3/4	040895	2 3/8	7
10	2 1/2 3 1/4	3 1/4	1500	W-725-ML-	1 1/8	1 1/8	2 1/8	W-725-M-	3/4-1-1 1/4	X	X	9MR	3 3/8	11 3/4
	3• 3 1/4	3 1/4	3000	W-730-ML-1 15/16	1 15/16	X	X	W-730-M-	1-1 1/4	W-730-MT-	3/4-1-1 1/4	5733	2 3/4	14
11	2• 2 1/4	2 1/4	1500	★W-820-ML-	1 1/8	1 3/16	1 1/8	★W-820-M-	1/2-5/8-3/4-1	W-820-MT-	3/4	041070	2 3/8	15
	2 1/2• 3 1/4	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-MT-	3/4-1-1 1/4	041210	3	23
12	3• 3 1/4	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-MT-	3/4-1-1 1/4	041210	3	23
	4*• 4 1/4	4 1/4	3500	W-840-ML-	1 15/16	1 15/16	2 1/8	W-840-M-	1-1 1/4	W-840-MT-	1-1 1/4	10X4R	3	28
13	2 1/2* 3 1/4	3 1/4	2000	W-925-ML-1 15/16	1 15/16	X	X	W-925-M-	1-1 1/4	W-925-MT-	3/4-1-1 1/4	11RG	2 3/4	12
	3* 3 1/4	3 1/4	3000	W-930-ML-	1 15/16	1 3/4	2 1/8	W-930-M-	1-1 1/4	W-930-MT-	3/4-1-1 1/4	5935-H	3	20

(chart continues top of next page)

★ = available **PRONTO®** with bearing size in red.

Dimensions in Inches

Dia. ★	Face	Hub Length	Load Cap. Lbs.	Plain Bore			Straight Roller Bearings		Tapered Roller Bearings		Casting Number	Hub Outside Dia.	Wt. Lbs.	
				Catalog Number	Standard Bore	Min. Bore	Max. Bore	Catalog Number	Bearing Sizes	Catalog Number				Bearing Sizes
10	2½	2¾	2000	W-1023-ML-	X	1	2	W-1023-M-	¾-1	X	X	51023	3	19
	2½†	3¼	2500	W-1025-ML-1½	1½	X	X	★ W-1025-M-	1-1¼	W-1025-MT-	¾-1-1¼	125MR	3	17
	3†	3¼	2600	W-1030-ML-1½	1½	X	X	★ W-1030-M-	1-1¼	W-1030-MT-	¾-1-1¼	12MR	3	17¼
	3½✱	4¼	3000	W-1035-ML-	2¾	2¾	2¾	W-1035-M-	1-1¼	W-1035-MT-	1-1¼	10X35	3¼	22
	4✱	4¼	3000	W-1040-ML-2¾	2¾	X	X	W-1040-M-	1-1¼-1½	W-1040-MT-1¼	1¼	10X4	3¼	24
11	3✱•	3¼	4000	W-1130-ML-	2¾	1½	2½	W-1130-M-	1-1¼-1½	W-1130-MT-	1-1¼	51130	3½	33
	4✱•	4¼	4000	W-1140-ML-	2¾	1½	2½	W-1140-M-	1-1¼-1½	W-1140-MT-	1-1¼	51140	3¾	40
12	2✱	2¾	1200	W-1220-ML-	1¾	7⁄8	1½	W-1220-M-	¾-1	W-1220-MT	¾-1	51213	2¾	18¼
	2½	3¼	1200	W-1225-ML-1½	1½	X	X	★ W-1225-M-	1-1¼	X	X	51225	2¾	18½
	3†	3¼	2500	W-1230-ML-	1½	1	2¼	★ W-1230-M-	1-1¼	W-1230-MT-	¾-1-1¼	399	3¼	26
	5	5¼	5500	W-1250-ML-	2¾	2¾	3¾	W-1250-M-	1¼-1½	W-1250-MT-	1¼-1½	14X5R	4	52
14	3✱	3¼	2500	W-1430-ML-	1½	1½	2¾	W-1430-M-	1-1¼	W-1430-MT-	¾-1	16X3R	3¾	26
	5	5¼	6000	W-1450-ML-	2¾	2¾	3¾	W-1450-M-	1½-1¾-2	W-1450-MT-	1¼-1½	16X5R	4¼	64
16	3✱	3¼	2500	W-1630-ML-	1½	1½	2¾	W-1630-M-	1-1¼	W-1630-MT-	¾-1-1¼	51633	3¼	36
	5	5¼	6500	W-1650-ML-	2¾	2¾	3¾	W-1650-M-	1¼-1½	W-1650-MT-	1¼-1½	18X5R	4¼	74
18	3✱	4¼	4000	W-1830-ML-	1½	1½	2¾	W-1830-M-	1-1¼	W-1830-MT-1¼	1¼	51830	3¼	57
	5	5¼	7000	W-1850-ML-	2¾	2¾	3¾	W-1850-M-	1½-1¾-2	W-1850-MT-	1¼-1½	20X5R	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.

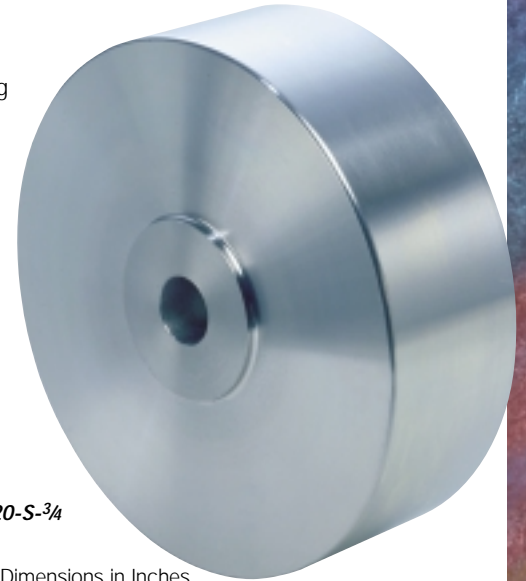
§ These wheels have a machined crowned face.

## Stainless Steel Wheels Series S — Cap. to 1,500 lbs.

Stainless Steel wheels are ideally suited for corrosive situations, high heat environments and heavy-duty applications. The 4", 5", 6" models are made from Type 303 stainless steel, while 8" models are from Type 304. These wheels are also available as machined V-Grooved wheels in the same diameters. (For use in stainless steel casters, see pp. 35, 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.



W-620-S-¾

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

Dimensions in Inches

Dia.	Face	Plain Bore				Delrin® Bearings				S.S Precision Ball Bearings†				Wt. Lbs.
		Cap. Lbs.	Hub Length	Catalog Number	Bore Size	Cap. Lbs.	Hub Length	Catalog Number	Brg. Size	Cap. Lbs.	Hub Length	Catalog Number	Brg. Size	
4	1½	550	1%	★ W-413-S-½	½	600	1%	★ W-413-SZ-½	½	600	1%	★ W-413-SB-½	½	5
		550	1%	★ W-413-SV-½	½	600	1%	★ W-413-SVZ-½	½	600	1%	★ W-413-SVB-½	½	5
	2	800	2¼	★ W-420-S-¾	¾	850	2¼	★ W-420-SZ-¾	¾	850	2½	★ W-420-SB-½	½	7
		800	2¼	★ W-420-SV-¾	¾	850	2¼	★ W-420-SVZ-¾	¾	850	2½	★ W-420-SVB-½	½	7
5	2	900	2¼	★ W-520-S-¾	¾	950	2¼	★ W-520-SZ-¾	¾	950	2½	★ W-520-SB-½	½	11
		900	2¼	★ W-520-SV-¾	¾	950	2¼	★ W-520-SVZ-¾	¾	950	2½	★ 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.

METAL WHEELS (cont'd)  
STAINLESS STEEL WHEELS