

Flanged Wheel Casters



#R-CH-FT82SDH

Hamilton Flanged Wheel Casters, like their V-Grooved counterparts, are also finding increasing industrial applications where floor protection, production-line flow and ease of movement are desired.

Since it is often more convenient to purchase flanged wheels in a plate-type rigid caster ready for mounting, you may choose from the wide selection of popular top plates, overall heights and caster series shown in the chart below.

Note the choice of straight or precision tapered roller bearings in the wheels, all having pressure lubrication fittings in the hubs (except 3½" model). For complete wheel specifications, see flanged wheel chart on facing page.

Hamilton can design and manufacture flanged wheel casters requiring custom specifications, including higher capacities.

OPTIONAL ACCESSORIES *more help on page 12*

- Cast iron wheels can be cast of **Steeltest ductile iron (class 80-60-03)** for increased shock resistance and capacity.
- Wheel Brakes.
- Wheel Bearing Seals.
- Special Overall Height.
- Swivel Caster Mounting.



#R-CH-FT62H

EHD Models still available, simply change "CH" to "EHD".



★ = same day/next day
PRONTO® shipment.

R-FT Series Selection Table

Wheel			Hamilton No. Straight Roller Brgs.	Hamilton No. Tapered Bearings	Wt. Lbs.	Load Cap. Lbs.	Overall Height B	Mounting Plate		
Dia. A	Face S	Wheel Number						Size C x D	Hole Centers E x F	Bolt Size
3½	1⅞	WFT-35H-¾★	★R-WH-FT35H	R-WH-FT35T	8	500	5⅝	4 x 4½	2⅝ x 3⅝●	⅜
	1⅞	WFT-35H-¾★	★R-HS-FT35H	R-HS-FT35T	9	500	5⅝	4½ x 6½	2⅞ x 4⅞○	½
4½	1⅞	WFT-45H-1◆	★R-CH-FT45H	R-CH-FT45T	26	3000	7¼	5¼ x 7¼	4⅞ x 6⅞○	½
4½/16	1⅞	WFT-51H-¾	★R-WH-FT51H	R-WH-FT51T	17	1000	6⅞	4 x 4½	2⅝ x 3⅝●	⅜
	1⅞	WFT-51H-¾	★R-HS-FT51H	R-HS-FT51T	17	1000	6⅞	4½ x 6½	2⅞ x 4⅞○	
5	2⅞	WFT-5FH-1♣	★R-EHD-FT5FH	R-EHD-FT5FT	32	4200♣	8	5½ x 7½	4⅞ x 6⅞	
	2⅞	WFT-5FT-1♣	X	★R-EPST-FT5FT	32	6000	8	6½ x 7½	3⅞ x 5¼⊗	
6⅞	1⅞	WFT-6H-1	★R-CH-FT6H	R-CH-FT6T	32	2000	8⅞			
	1⅞	WFT-61H-1◆	R-CH-FT61H	R-CH-FT61T	33	2500	8⅞			
7⅞	1¾	WFT-8H-1	R-CH-FT8H	R-CH-FT8T	34	2500	8⅞			
	1¾	WFT-8SDH-1◆	R-CH-FT8SDH	R-CH-FT8SDT	34	3000	8⅞	5¼ x 7¼	3⅞ x 5¼ slotted to 4⅞ x 6⅞	½
	2¼	WFT-82SDH-1◆	R-CH-FT82SDH	R-CH-FT82SDT	38	3500	10⅞			
8	2¼	WFT-82H-1	★R-CH-FT82H	R-CH-FT82T	38	3000	10½			
8⅞	2¼	WFT-9H-1	R-CH-FT9H	R-CH-FT9T	35	2000	10⅞			
10	2½	WFT-10T-1¼	X	R-EPST-FT10T	60	4000	12½	6½ x 7½	3⅞ x 5¼⊗	
	2½	WFT-10H-1½	R-MD-FT10H	R-MD-FT10T	75	4000	13			
14	2¾	WFT-14H-1½	R-MD-FT14H	R-MD-FT14T	72	3000	16½	8½ x 8½	7 x 7	⅝
14⅞	2⅞	WFT-15-2H-1½◆	R-MD-FT15H	R-MD-FT15T	137	7500	16⅞			

Double Flanged Wheel Caster Selection Table

5	1⅞	WFT-53FH-1♣	★R-EHD-FT53FH	R-EHD-FT53FT	33	4200♣	8	5½ x 7½	4⅞ x 6⅞	½
		WFT-53FT-1♣	X	R-EPST-FT53FT	33	6000♣	8	6½ x 7½	3⅞ x 5¼⊗	
6	2⅞	WFT-62H-1	★R-CH-FT62H	R-CH-FT62T	34	2500	8			
9	1¼	WFT-91H-1	R-CH-FT91H	R-CH-FT91T	32	1500	11	5¼ x 7¼	3⅞ x 5¼ slotted to 4⅞ x 6⅞	
9¼	1½	WFT-92H-1	★R-CH-FT92H	R-CH-FT92T	36	2500	11⅞			

◆ With straight roller bearings. For catalog number of corresponding tapered bearing wheels, consult factory.

♣ Drop-forged steel. Roller bearing capacity shown increases to 6,000 lbs. when equipped with tapered roller bearings.

★ This wheel lubricated through lube axle.

◆ Steeltest ductile iron.

○ Slotted to 3⅞" x 5¼".

● Slotted to 3" x 3".

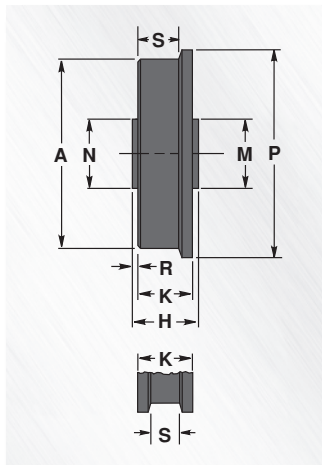
⊗ Slotted to 5⅞" x 6¼".

See wheel charts
on page 71 for
wheel dimensions.

Flanged Track Wheels

OPTIONAL ACCESSORIES *more help on page 12*

- **Heat Treating**
–reduces wear in power-towed applications
- **Cast iron wheels can be cast of *Steeltest* ductile iron (class 80-60-03)** for increased shock resistance and capacity.
- **Keyways** – with or without set screws for locking wheels on shaft.
- **Special Hub Length**– hubs can be cut to provide shorter length, “filler” washers furnished for greater length.
- **Precision Ball Bearings.**



Hamilton offers the most comprehensive line of industrial flanged track wheels available. Many industries are discovering that flanged wheels running on in-plant tracks give them an “instant production line.” Loads are taken off the floor permitting higher capacities, easier rolling, floor protection and controlled flow all at the same time.

Most wheels are cast iron except as noted, and furnished with either plain bore, straight roller bearings, or precision tapered roller bearings. All wheels are standard with face and flange CNC-machine finished, except WFT-82 which has a hardened “as cast” tread.

Heat treating is available for applications requiring better wear resistance, or involving higher capacities.

Hamilton can custom design and manufacture flanged wheels in most sizes from ductile iron, steel, bronze, stainless steel, or other metals in English or metric dimensions.



#WFT-8H-1



#WFT-92H-1

★ = same day/next day **PRONTO®** shipment.

WFT Series Selection Table

Excluding Flanges		Including Flanges		Hub					Load Cap. Lbs.	Plain Bore			Straight Roller Bearings		Tapered Roller Bearings		Wt. Lbs.
Dia. A	Face S	Dia. P	Face K	Lgth. H	Diameter M	Dim. N	Dim. R	Cored Hole		Hamilton Model No.	Min. Bore	Max. Bore	Hamilton Model No.	Bearing Sizes	Hamilton Model No.	Bearing Sizes	
3 1/2	1 1/8	4 1/8	1 1/8	2 1/4	X	2 1/16	3/8	Solid	500	WFT-35L-	1/2	2 3/8	★ WFT-35H-	3/4-1-1 1/4	WFT-35T-	3/4-1	5
4 1/2	1 1/8	5 1/2	2 1/2	3 1/4	3	3 3/4	3/4	Solid	3000	WFT-45L-	1 3/8	2 1/8	★ WFT-45H-	1-1 1/4-1 1/2	WFT-45T-	3/4-1-1 1/4	13
4 15/16	1 1/8	5 11/16	2 1/8	2 1/4	3	3	0	Solid	1000	WFT-51L-	1	2 1/4	★ WFT-51H-	3/4-1-1 1/4	WFT-51T-	3/4-1	12
5	2 1/8	6	2 1/16	3 1/4	3 3/8	3 3/8	7/16	1 1/8	4200	WFT-5FL-	1 3/4	2 1/8	★ WFT-5FH-	1-1 1/4-1 1/2	★ WFT-5FT-	3/4-1-1 1/4	18
6 1/8	1 1/8	7	2 3/8	2 3/4	3	3	3/4	Solid	2000	WFT-6L-	1	2 3/8	★ WFT-6H-	3/4-1-1 1/4	WFT-6T-	3/4-1	18
6 1/8	1 1/8	8	2 3/8	2 3/4	2 3/4	2 3/8	1/4	1 1/2	2500	WFT-61L-	1 1/8	2 3/8	WFT-61H-	1-1 1/4	WFT-61T-	3/4-1	20
7 1/8	1 1/8	8 3/8	2 1/4	2 1/2	2 1/2	2 1/2	0	Solid	2500	WFT-8L-	1	2 1/4	WFT-8H-	3/4-1-1 1/4	WFT-8T-	3/4-1-1 1/4	20
7 1/8	1 1/8	8 3/8	2 1/2	2 1/2	2 1/2	2 1/2	0	Solid	3000	WFT-8SDL-	3/4	2 3/8	WFT-8SDH-	1-1 1/4	WFT-8SDT-	3/4-1-1 1/4	20
7 1/8	2 1/4	9 1/4	2 3/4	3 1/4	3 3/4	3 3/4	1/4	Solid	3500	WFT-82SDL-	1	3	WFT-82SDH-	1-1 1/4-1 1/2	WFT-82SDT-	3/4-1-1 1/4	25
8	2 1/4	9 1/2	3	3 1/4	3 3/4	3 3/4	3/8	Solid	3000	WFT-82L-	3/4	3	★ WFT-82H-	1-1 1/4-1 1/2	WFT-82T-	3/4-1-1 1/4	24 1/2
8 7/8	2 1/4	10 1/2	2 3/8	2 1/2	2 1/2	2 1/2	-1/32	7/8	2000	WFT-9L-	1	1 1/8	WFT-9H-	3/4-1-1 1/4	WFT-9T-	3/4-1	21 1/2
10	2 1/2	12	3 3/4	3 1/4	3 3/4	3 3/4	1/2	Solid	4000	WFT-10L-	1 1/8	3	WFT-10H-	1-1 1/4-1 1/2	WFT-10T-	1-1 1/4	45
10	4	12	5	5	X	X	0	Solid	18,000	WFT-10SDL-	2 1/8	6	X	X	WFT-10SDT-	advise	105
14	2 3/4	15 3/8	3 3/8	3 1/2	3 3/8	3 3/8	1/2	1 1/4	3000	WFT-14L-	1 1/8	2 1/2	WFT-14H-	1-1 1/4	WFT-14T-1 1/4	1 1/4	48
14 7/8	2 3/4	16 3/8	3 3/8	4 1/4	6	6	1/2	Solid	7500	WFT-15L-	1 1/8	5	WFT-15H-	1 1/4-1 1/2-1 3/4-2	WFT-15T-	1-1 1/4-1 1/2-1 3/4	85

Double Flanged Wheel Selection Table

5	1 1/8	6	3	3 1/4	3 3/8	3 3/8	1/2	1 1/8	4200	WFT-53FL-	1 3/4	2 1/8	★ WFT-53FH-	1-1 1/4-1 1/2	WFT-53FT-	3/4-1-1 1/4	19
6	2 1/8	7 3/8	3	3 1/4	3	3	1/2	Solid	2500	WFT-62L-	1	2 1/2	★ WFT-62H-	3/4-1-1 1/4	WFT-62T-	3/4-1-1 1/4	21 1/2
9	1 1/4	10	1 1/8	2	2 1/2	2 1/2	1/32	1 1/4	1500	WFT-91L-	1 1/8	1 1/8	WFT-91H-	3/4-1	WFT-91T-	3/4-1	19 1/4
9 1/4	1 1/2	10 1/8	2 1/2	3 1/4	2 3/4	2 3/4	3/8	1 1/4	2500	WFT-92L-	1 1/8	2 1/4	★ WFT-92H-	1-1 1/4	WFT-92T-	3/4-1-1 1/4	24
10	3	12	5	5	X	X	0	Solid	18,000	WFT-102SDL-	2 1/8	6	X	X	WFT-102SDT-	advise	120

♠ Drop-forged steel. Roller bearing capacity shown increases to 6,000 lbs. when equipped with tapered roller bearings.

● Standard with hardened tread (face and flange not machinable). Tread is also tapered.

⊙ These wheels are spoke-type; others are solid-web.

⊙ These wheels do not have a lube fitting.

◆ *Steeltest* ductile iron.