

# ForgeMaster™ Casters

## Series FM — Cap. to 2,200 lbs.

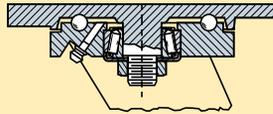


#S-FM-8RH Swivel showing Moldon Rubber wheel

Hamilton's *ForgeMaster™* Casters were designed to match popular industry mounting plate, bolt hole and overall height specifications. However, the precision tapered thrust bearing and guaranteed-for-life integrally forged kingpin design make it superior to the double ball race casters in its class.

### QUALITY FEATURES:

**Swivel Construction** – 3/8" thick drop forged steel mounting plate; 5/16" x 2 1/2" plate steel legs robotically welded inside and outside to forged steel horn base.



**Kingpin** – 1" dia. integrally forged with mounting plate, turned and threaded for 3/4" dia. lock nut.

**Main Load Bearing** – CNC-machined 3 1/4" dia. raceway; 1/2" dia. hardened and polished steel balls.

**Secondary Load Bearing** – 1" precision tapered thrust bearing counteracts radial thrust.

**Axle** – 3/4" dia. hex head with lock nut.

**Lubrication Fittings** – Ball-check type in swivel assembly and wheel hub.

### OPTIONAL ACCESSORIES

– see pages 18 & 19.

- Swivel Locks - 2 or 4 position.
- Wheel Brakes (★-IB, -IRB, ★-ZB, -B).
- Wheel Bearing Seals.
- Heat Treated Raceways.

### Wheel Bearings –

• **Precision Ball Bearings:** (superior rollability & no greasing required) rotate on (2) 25 mm O.D. x 3/4" I.D. x 1 3/4" long top hat spanners standard in *Duralast®* and *Poly-Soft®* wheels.

• **Tapered Roller Bearings:** (best for towing and side thrust applications) 3/4" mounted directly on axle, available in *Duralast®, Poly-Soft®, Metal, Plastex,* & M.O. Rubber wheels.

• **Straight Roller Bearings:** 1" hardened and ground rollers rotate on 1" O.D. x 3/4" I.D. hardened and ground steel spanner bushing standard in *Metal, Plastex, Forged Steel,* & M.O. Rubber wheels.

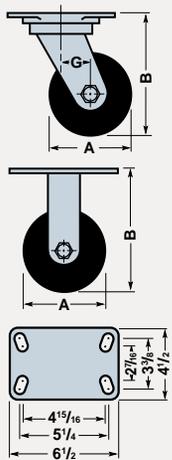


### Wheel Types



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

Dimensions in Inches



**SWIVEL MOUNTING PLATE** 4 1/2" x 6 1/2", rigid plate 5" x 7", both with holes slotted 2 7/16" x 4 15/16" to 3 3/8" x 5 1/4" for 1/2" bolts.

Dia. A	Face	Wheel			Swivel Caster			Rigid Caster			Load Cap. Lbs.	Overall Height B	Swivel Offset G
		Type	Replacement Number □	Catalog No. Roller/Prec. BB	Catalog No. Tapered Brgs	Wt. Lbs.	Catalog No. Roller/Prec. BB	Catalog No. Tapered Brgs	Wt. Lbs.				
5	2 1/2	Duralast®	W-525-D-1	S-FM-5DH	X	16 1/2	★R-FM-5DH	X	14	1300	7		
		Duralast®	W-625-D-1	★S-FM-6DH	S-FM-6DT	20 1/2	★R-FM-6DH	R-FM-6DT	18	1600			
		Metal	W-625-M-1	★S-FM-6MH	S-FM-6MT	20	★R-FM-6MH	R-FM-6MT	17 1/2	2200			
		Plastex †*	W-625-P-1	★S-FM-6PH	S-FM-6PT	15	★R-FM-6PH	R-FM-6PT	12 1/2	1800			
6	2 1/2	M.O. Rubber	W-625-R-1	★S-FM-6RH	S-FM-6RT	20	★R-FM-6RH	R-FM-6RT	17 1/2	540	7 1/2	2 1/4	
		Duralast®	W-630-DB-3/4	★S-FM-63DB	★S-FM-63DT	23	★R-FM-63DB	★R-FM-63DT	20	2200			
		Poly-Soft®	W-630-SPB-3/4	★S-FM-63SPB	★S-FM-63SPT	23	★R-FM-63SPB	★R-FM-63SPT	20	1800			
		M.O. Rubber*	W-630-R-1	★S-FM-63RH	X	21	★R-FM-63RH	X	18 1/2	680			
8	2 1/2	Duralast®	W-825-D-1	★S-FM-8DH	S-FM-8DT	27	★R-FM-8DH	R-FM-8DT	24 1/2	2000	10 1/2	2 1/4	
		Metal	W-825-M-1	★S-FM-8MH	S-FM-8MT	26	★R-FM-8MH	R-FM-8MT	23 1/2	1800			
		Plastex	W-825-P-1	★S-FM-8PH	S-FM-8PT	18	★R-FM-8PH	R-FM-8PT	15 1/2	2000			
		M.O. Rubber	W-826-R-1	★S-FM-8RH	S-FM-8RT	20	★R-FM-8RH	R-FM-8RT	17 1/2	670			
10	2 1/2	Duralast®	W-830-DB-3/4	★S-FM-83DB	★S-FM-83DT	27	★R-FM-83DB	★R-FM-83DT	24	2200	11 1/2	3	
		Poly-Soft®	W-830-SPB-3/4	★S-FM-83SPB	★S-FM-83SPT	27	★R-FM-83SPB	★R-FM-83SPT	24	2000			
		M.O. Rubber	W-830-R-1	★S-FM-83RH	S-FM-8RT	26 1/2	★R-FM-83RH	R-FM-83RT	24	840			
		Duralast®	W-1025-D-1	★S-FM-10DH	S-FM-10DT	26	★R-FM-10DH	R-FM-10DT	23 1/2	2200			
10	2 1/2	Metal	W-1025-M-1	★S-FM-10MH	S-FM-10MT	28	★R-FM-10MH	R-FM-10MT	25 1/2	2200	11 1/2	3	
		Plastex	W-1025-P-1	★S-FM-10PH	S-FM-10PT	19 1/2	★R-FM-10PH	R-FM-10PT	17	2200			
		M.O. Rubber	W-1025-R-1	★S-FM-10RH	S-FM-10RT	24 1/2	★R-FM-10RH	R-FM-10RT	22	790			
10	3	M.O. Rubber	W-1030-R-1	★S-FM-13RH	S-FM-13RT	27	★R-FM-13RH	R-FM-13RT	24 1/2	1000			

\* This wheel lubricated through lube axle.

† Straight-sided wheel.

□ With straight roller or precision ball bearings. For catalog number of corresponding tapered bearing wheels, consult factory.