

ForgeMaster™ Casters

Series FM — Cap. to 2,200 lbs.

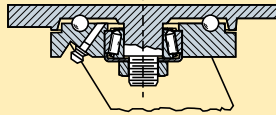


#S-FM-8RH
Swivel showing
Mouldon Rubber wheel

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 – ¾" thick drop forged steel mounting plate; 5/16" x 2½" 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 ¾" dia. lock nut.

Main Load Bearing – CNC-machined 3¼" dia. raceway; ½" dia. hardened and polished steel balls.

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

Axle – ¾" 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 ¾" I.D. x 1¾" long top hat spanners standard in *Duralast®* and *Poly-Soft®* wheels.

• **Tapered Roller Bearings:** (best for towing and side thrust applications) ¾" 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 ¾" I.D. hardened and ground steel spanner bushing standard in *Metal, Plastex, Forged Steel,* & M.O. Rubber wheels.

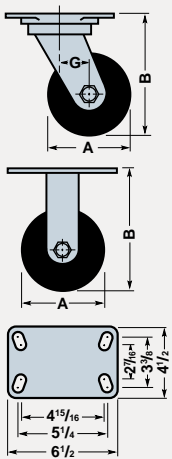


Wheel Types



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

Dimensions in Inches



SWIVEL MOUNTING PLATE 4½" x 6½", rigid plate 5" x 7", both with holes slotted 27/16" x 415/16" to 33/8" x 5¼" for ½" 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 | 2½ | Duralast® | W-525-D-1 | S-FM-5DH | X | 16½ | ★R-FM-5DH | X | 14 | 1300 | 7 | | |
| | | Duralast® | W-625-D-1 | ★S-FM-6DH | S-FM-6DT | 20½ | ★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 | 17½ | 2200 | | | |
| | | Plastex†* | W-625-P-1 | ★S-FM-6PH | S-FM-6PT | 15 | ★R-FM-6PH | R-FM-6PT | 12½ | 1800 | | | |
| 6 | 2½ | M.O. Rubber | W-625-R-1 | ★S-FM-6RH | S-FM-6RT | 20 | ★R-FM-6RH | R-FM-6RT | 17½ | 540 | 7½ | 2¼ | |
| | | Duralast® | W-630-DB-¾ | ★S-FM-63DB | ★S-FM-63DT | 23 | ★R-FM-63DB | ★R-FM-63DT | 20 | 2200 | | | |
| | | Poly-Soft® | W-630-SPB-¾ | ★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 | 18½ | 680 | | | |
| 8 | 2½ | Duralast® | W-825-D-1 | ★S-FM-8DH | S-FM-8DT | 27 | ★R-FM-8DH | R-FM-8DT | 24½ | 2000 | 10% | 2¼ | |
| | | Metal | W-825-M-1 | ★S-FM-8MH | S-FM-8MT | 26 | ★R-FM-8MH | R-FM-8MT | 23½ | 1800 | | | |
| | | Plastex | W-825-P-1 | ★S-FM-8PH | S-FM-8PT | 18 | ★R-FM-8PH | R-FM-8PT | 15½ | 2000 | | | |
| | | M.O. Rubber | W-826-R-1 | ★S-FM-8RH | S-FM-8RT | 20 | ★R-FM-8RH | R-FM-8RT | 17½ | 670 | | | |
| | 3 | Duralast® | W-830-DB-¾ | ★S-FM-83DB | ★S-FM-83DT | 27 | ★R-FM-83DB | ★R-FM-83DT | 24 | 2200 | | | |
| | | Poly-Soft® | W-830-SPB-¾ | ★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 | 26½ | ★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 | 23½ | 2200 | | | |
| 10 | 2½ | Metal | W-1025-M-1 | ★S-FM-10MH | S-FM-10MT | 28 | ★R-FM-10MH | R-FM-10MT | 25½ | 2200 | 11½ | 3 | |
| | | Plastex | W-1025-P-1 | ★S-FM-10PH | S-FM-10PT | 19½ | ★R-FM-10PH | R-FM-10PT | 17 | 2200 | | | |
| | | M.O. Rubber | W-1025-R-1 | ★S-FM-10RH | S-FM-10RT | 24½ | ★R-FM-10RH | R-FM-10RT | 22 | 790 | | | |
| 3 | M.O. Rubber | W-1030-R-1 | ★S-FM-13RH | S-FM-13RT | 27 | ★R-FM-13RH | R-FM-13RT | 24½ | 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.