

Endurance™ Kingpinless-Style Casters

Series EC — Cap. to 3,000 lbs.



#S-EC-82AYB
Swivel showing
new Polylast™ wheel

Hamilton announces the new **Endurance™ Series** casters that represent the "best of breed" in kingpinless-style design. The top plate and inner raceway are formed from one piece, providing a superior raceway for shock conditions. Once formed, the raceways are CNC-machined and then induction hardened to ensure a uniform depth in hardness of the swivel raceway. A sealing cap is welded to the outer race to assure protection from foreign material and to keep grease in the raceway.

All **Endurance™ Series** casters are finished in bright zinc plating and come standard with a choice of eight different wheel types. Standard bearing selections include double sealed precision ball bearings, precision tapered bearings, or straight roller bearings.

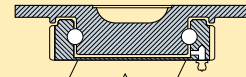
OPTIONAL ACCESSORIES

– see pages 18 & 19.

- Swivel Locks – ★ 4-position field installable (-4SL)
- Wheel Brakes – ★ Foot Contact Brake (-ZB [except 4" dia. not ★ with tapered bearings])
- Wheel Bearing Seals – for roller or tapered type (-BS/-DS).

QUALITY FEATURES:

Swivel Construction – forged steel top plate and fork base; ¼" x 2" plate steel legs on 2" wheel widths and ⅝" x 2½" plate steel legs on 3" wheel widths. Legs welded inside and outside to forged steel horn base. Finished in bright zinc plate.



Load Bearing – Induction hardened and CNC-machined raceway: 2⅝" swivel dia. with ⅝" balls in 2" wheel widths and 3" dia. raceway with ½" balls in 3" wide wheels.

Axle – ½" dia. hex head with lock nut in 2" wheel widths or ¾" dia. in 3" wheel widths.

Wheel Bearings –

• **Precision Ball Bearings:** (superior rollability & no greasing required) rotate on (2) top hat spacers standard in **Duralast™**, **Poly-Soft™**, and **Unilast™** wheels.

• **Tapered Roller Bearings:** (best for towing and side thrust applications) available in **Duralast™**, **Poly-Soft™**, & Forged Steel wheels.

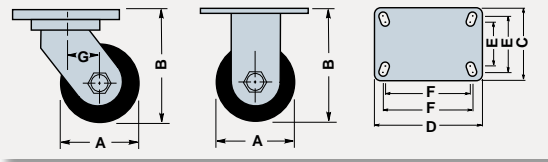
• **Straight Roller Bearings:** case hardened, rotate on steel spanner bushing.

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

Wheel Types



Duralast® Forged Steel Metal Plastex Polylast™ Poly-Soft® M.O. Rubber Unilast®



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

Dimensions in Inches

Dia. A	Wheel			Swivel Caster			Rigid Caster			Load Cap. Lbs.	Overall Height B	Swivel Offset G	Mounting Plate		
	Face	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.				Size C x D	Holes E & F	Bolt Size
4	1½	Forged Steel	W-415-FS-¾	★S-EC-4FS	X	9	★R-EC-4FS	X	7½	1400	5⅝	1⅜	4 x 4½	2⅝ x 3⅜ slotted to 3 x 3	⅝
		Duralast®	W-420-DB-½	★S-EC-4DB	X	8½	★R-EC-4DB	X	7	750					
		Metal*	W-420-M-¾	★S-EC-4M	X	7¾	★R-EC-4M	X	6½	1000					
		Plastex*	W-420-P-¾	★S-EC-4P	X	6	★R-EC-4P	X	4½	800					
		Poly-Soft®	W-420-SPB-½	★S-EC-4SPB	X	8½	★R-EC-4SPB	X	7	600					
		M.O. Rubber*	W-420-R-¾	★S-EC-4R	X	8	★R-EC-4R	X	6½	300					
5	2	Unilast®	W-420-UYB-½	★S-EC-4UYB	X	6	★R-EC-4UYB	X	5¼	750	6½	1⅜	4 x 4½	2⅝ x 3⅜ slotted to 3 x 3	⅝
		Duralast®	W-520-DB-½	★S-EC-5DB	★S-EC-5DT	9¾	★R-EC-5DB	★R-EC-5DT	8¼	1050					
		Forged Steel	W-5-FS-¾	★S-EC-5FS	S-EC-5FST	10	★R-EC-5FS	R-EC-5FST	8½	1500					
		Metal	W-520-M-¾	★S-EC-5M	X	10¼	★R-EC-5M	X	8¾	1300					
		Plastex	W-520-P-¾	★S-EC-5P	X	7¾	★R-EC-5P	X	5¾	1000					
		Poly-Soft®	W-520-SPB-½	★S-EC-5SPB	★S-EC-5SPT	9¾	★R-EC-5SPB	★R-EC-5SPT	8¼	840					
6	2	M.O. Rubber	W-520-R-¾	★S-EC-5R	X	9½	★R-EC-5R	X	7¾	350	7½	1⅜	4 x 4½	2⅝ x 3⅜ slotted to 3 x 3	⅝
		Unilast®	W-520-UYB-½	★S-EC-5UYB	X	7	★R-EC-5UYB	X	5½	1000					
		Duralast®	W-620-DB-½	★S-EC-6DB	★S-EC-6DT	11	★R-EC-6DB	★R-EC-6DT	9½	1200					
		Forged Steel	W-6-FS-¾	★S-EC-6FS	S-EC-6FST	12½	★R-EC-6FS	R-EC-6FST	11	2000					
		Metal	W-620-M-¾	★S-EC-6M	X	11	★R-EC-6M	X	9½	1400					
		Plastex	W-620-P-¾	★S-EC-6P	X	8	★R-EC-6P	X	6½	1200					
6	3	Polylast™	W-622-AYB-½	★S-EC-62AYB	X	9½	★R-EC-62AYB	X	7½	1200	7½	1⅜	4 x 4½	2⅝ x 3⅜ slotted to 3 x 3	⅝
		Poly-Soft®	W-620-SPB-½	★S-EC-6SPB	★S-EC-6SPT	11	★R-EC-6SPB	★R-EC-6SPT	9½	960					
		M.O. Rubber	W-620-R-¾	★S-EC-6R	S-EC-6RT	10	★R-EC-6R	R-EC-6RT	8½	410					
		Unilast®	W-620-UYB-½	★S-EC-6UYB	X	7¼	★R-EC-6UYB	X	5¾	1100					
		Duralast®	W-630-DB-¾	★S-EC-63DB	★S-EC-63DT	19	★R-EC-63DB	★R-EC-63DT	16	2200					
		Forged Steel	W-630-FSH-1	★S-EC-63FS	★S-EC-63FST	27	★R-EC-63FS	★R-EC-63FST	24	3000					
6	3	Metal	W-630-M-1	★S-EC-63M	S-EC-63MT	19	★R-EC-63M	R-EC-63MT	16	2500	7½	2½	4½ x 6¼	2⅞ x 4⅝ slotted to 3⅜ x 5¼	½
		Plastex †*	W-630-P-1	★S-EC-63P	S-EC-63PT	17	★R-EC-63P	R-EC-63PT	14	2000					
		Poly-Soft®	W-630-SPB-¾	★S-EC-63SPB	★S-EC-63SPT	19	★R-EC-63SPB	★R-EC-63SPT	16	1800					
		M.O. Rubber	W-630-R-1	★S-EC-63R	S-EC-63RT	19	★R-EC-63R	R-EC-63RT	16	680					

Dia. A	Wheel			Swivel Caster			Rigid Caster			Load Cap. Lbs.	Overall Height B	Swivel Offset G	Mounting Plate		
	Face	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.				Size C x D	Holes E & F	Bolt Size
8	2	Duralast®	W-820-DB-½	★S-EC-8DB	★S-EC-8DT	13¾	★R-EC-8DB	★R-EC-8DT	12¼	1500	9½	2	4 x 4½	2¾ x 3¾ slotted to 3 x 3	¾
		Metal	W-824-M-¾	★S-EC-8M	X	13	★R-EC-8M	X	11½	1500					
		Plastex	W-820-P-¾	★S-EC-8P	X	9	★R-EC-8P	X	7½	1400					
		Polylast™	W-822-AYB-½	★S-EC-82AYB	X	10	★R-EC-82AYB	X	9	1500					
		Poly-Soft®	W-820-SPB-½	★S-EC-8SPB	★S-EC-8SPT	13¾	★R-EC-8SPB	★R-EC-8SPT	12¼	1200					
		M.O. Rubber	W-820-R-¾	★S-EC-8R	S-EC-8RT	12	★R-EC-8R	R-EC-8RT	10½	500					
	3	Duralast®	W-830-DB-¾	★S-EC-83DB	★S-EC-83DT	25	★R-EC-83DB	★R-EC-83DT	22	2500	10%	2½	4½ x 6¼	27/16 x 415/16 slotted to 3¾ x 5¼	½
		Forged Steel	W-830-FSH-1	★S-EC-83FS	★S-EC-83FST	28	★R-EC-83FS	★R-EC-83FST	25	3000					
		Metal	W-830-M-1	★S-EC-83M	S-EC-83MT	26	★R-EC-83M	R-EC-83MT	23	2600					
		Plastex †	W-830-P-1	★S-EC-83P	S-EC-83PT	18	★R-EC-83P	R-EC-83PT	15	3000					
		Poly-Soft®	W-830-SPB-¾	★S-EC-83SPB	★S-EC-83SPT	25	★R-EC-83SPB	★R-EC-83SPT	22	2000					
		M.O. Rubber	W-830-R-1	★S-EC-83R	S-EC-83RT	24	★R-EC-83R	R-EC-83RT	21	840					
10	3	Duralast®	W-1030-DB-¾	★S-EC-13DB	★S-EC-13DT	29	★R-EC-13DB	★R-EC-13DT	26	3000	11½	2¾	4½ x 6¼	27/16 x 415/16 slotted to 3¾ x 5¼	½
		Forged Steel	W-1030-FSH-1	★S-EC-13FS	★S-EC-13FST	36	★R-EC-13FS	★R-EC-13FST	33	3000					
		Metal	W-1030-M-1	★S-EC-13M	S-EC-13MT	27	★R-EC-13M	R-EC-13MT	24	2600					
		Plastex	W-1030-P-1	★S-EC-13P	S-EC-13PT	22	★R-EC-13P	R-EC-13PT	19	2900					
		Poly-Soft®	W-1030-SPB-¾	★S-EC-13SPB	★S-EC-13SPT	29	★R-EC-13SPB	★R-EC-13SPT	26	2400					
		M.O. Rubber	W-1030-R-1	★S-EC-13R	S-EC-13RT	25	★R-EC-13R	R-EC-13RT	22	1000					

‡ With straight roller or precision ball bearings. For catalog number of corresponding tapered bearing wheels, consult factory.
 † Straight-sided wheel.
 * This wheel lubricated through lube axle.

Vanguard Casters Series 62 — Cap. to 1,500 lbs.

The **Vanguard 62 Series** is the highest rated cold forged caster we offer—rated for loads up to 1,500 lbs. The top plate matches a popular industry standard and swivel models feature double-ball race construction with ¾" diameter kingpins. Both rigid and swivel casters sport a zinc-plated finish. **Series 62** casters are ideal for terminal carts, maintenance carts and platform trucks.

OPTIONAL EXTRAS

- Swivel Locks – 4-position.
- Wheel Brakes – Face Contact Brake (-FCB).

Wheel Types



Duralast® Metal Plastex Poly-Soft® M.O. Rubber Unilast®

QUALITY FEATURES

Swivel Construction – cold forged steel mounting plate and horn base. Legs ¼" plate steel formed for increased strength and welded on both sides to horn base.

Kingpin – ¾" diameter heat treated kingpin and nut.

Main and Secondary Load Bearing
Large double ball bearing raceway and top plate, heat treated for long wear.

Axle – ½" diameter bolt with lock nut.

Wheel bearings – Double sealed precision ball bearings rotating on two top hat spanners (*Duralast®*, *Poly-Soft®*, *Unilast®*) or ¾" hardened straight roller bearing rotating on ¾" O.D. x ½" I.D. hardened steel spanner bushing (Metal, Plastex, Moldon Rubber).

Lubrication Fitting – in swivel assembly and to roller bearings in wheels.



#S-628-UYB Swivel showing Unilast® Solid Elastomer wheel

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

Dia. A	Wheel			Swivel Caster		Rigid Caster		Load Cap. Lbs.	Overall Height B	Swivel Offset G
	Face	Type	Replacement Number	Catalog Number	Wt. Lbs.	Catalog Number	Wt. Lbs.			
6	2	Duralast®	W-620-DB-½	★S-626-DB	10¾	★R-626-DB	9¼	1200	7½	1½
		Metal	W-620-M-¾	★S-626-M	11¼	★R-626-M	9¼	1400		
		Plastex	W-620-P-¾	★S-626-P	8¼	★R-626-P	7¼	1200		
		Poly-Soft®	W-620-SPB-½	★S-626-SPB	10¾	★R-626-SPB	9¼	960		
		M.O. Rubber	W-620-R-¾	★S-626-R	10	★R-626-R	8¼	410		
		Unilast®	W-620-UYB-½	★S-626-UYB	7¼	★R-626-UYB	5¾	1100		
8	2	Duralast®	W-820-DB-½	★S-628-DB	14	★R-628-DB	12½	1500	9½	2¾
		Metal	W-824-M-¾	★S-628-M	15½	★R-628-M	14	1500		
		Plastex	W-820-P-¾	★S-628-P	9½	★R-628-P	8½	1400		
		Poly-Soft®	W-820-SPB-½	★S-628-SPB	14	★R-628-SPB	12½	1200		
		M.O. Rubber	W-820-R-¾	★S-628-R	12	★R-628-R	10¼	500		
		Unilast®	W-820-UYB-½	★S-628-UYB	7¾	★R-628-UYB	6¼	1500		

