Access Casters (877) 881-6814

Precision Extended Service Casters

...Featuring New HPI™ Swivel Technology

#S-ES-6DB Swivel showing Duralast® wheel

When grueling loads and continuous operations exist, *Hamilton's Extended Service Casters* with new *HPI™ Swivel Technology* are the right choice. *ES Series Casters* are an excellent choice for use on in-plant trailers, towline carts or AGV systems. New to this series is a 2" wide wheel offering, *ES Series*, specifically designed for continuous duty applications that also feature the new *HPI™ Swivel Technology*. The *ES Series* is finished with gray enamel and the *EHS Series* is finished with red enamel.

QUALITY FEATURES

Swivel Construction – All models have ⅜" thick forged steel mounting plate and horn base. Legs 5/16" x 2½" on *ES* models and ¼" x 2" on *EHS* models.

Kingpin – integrally forged with mounting plate, guaranteed for life, 1" diameter on *ES* models and ¾" dia. on *EHS* models. Both series have slotted nuts secured by cotter pin for positive locking.

Main Load Bearing – *HPI™* thrust bearing with outside diameter of 3½"; raceways hardened to 58-62HRC and ground to surface finish 16 micro inches.

Secondary Load Bearing – precision tapered thrust bearing counteracts radial thrust, 1" on *ES* and ¾" on *EHS*.

Axle – Bolt and nut type, ¾" on *ES* models and ½" on *EHS* models.

Lubrication Fittings – Ball-check type in swivel assembly and wheel hubs with tapered or straight roller bearings.

HAMILTON PRECISION INTEGRATED

The enhanced *Extended Service Series* now features *Hamilton's Precision Integrated HPI™ Swivel Technology*. This new technology outperforms conventional CNC-machined ball raceways, kingpinless, and unit load bearing swivel constructions.

The new design improves the bearing's element of contact and more than doubles the number of contact points. The new *HPI™* raceways are also 45% harder than conventional hardened raceways and the surface finish is an incredibly smooth 16 micro inches.

#S-EHS-6SPB
New *EHS Series* featuring *HPI™* Swivel Technology showing *Polysoft®* Wheel.

OPTIONAL ACCESSORIES *more help on page 13*

- **Swivel Lock– 4 position (ES: ★-4SL, EHS: -4SL)**
  –convert swivel to rigid for straight line steering, robotically welded housing & CNC-milled slots assure long lasting, trouble-free performance.
- **Sealed Swivel Assembly (-SS)**
  –prolongs caster life in harsh environments, not available with Swivel Lock on *ES Series*.
- **Wheel Bearing Seals (-BS)**
  –prolong wheel life in harsh environments
- **Custom Engineering**
  –Hamilton engineers will custom design any caster to meet customer requirements.

FEATURED WHEEL BEARINGS

Precision Ball Bearings (B): double sealed, maintenance free, superior rollability aids manual applications, not recommended if shock loading is prevalent.

Precision Tapered Roller Bearings (T): best for most severe heavy duty and power-towed applications.

Straight Roller Bearing (H): traditional anti-friction bearing, best for manual applications where shock loading (but no side thrust) is prevalent.

THREE YEAR WARRANTY

HAMILTON 3 YEAR WARRANTY

The *Extended Service Series (ES)* is backed by *Hamilton's Three Year Product Warranty.* Refer to selection table for qualifying wheels.

PRONTO® SAME DAY SHIPMENT!

BRAKE CHOICES *for more help, see page 20*

★-FB

Side Foot Brake
[N/A with tapered bearings]

★-FRB

Rap-A-Round Foot Brake
[N/A with tapered bearings]

★-ZB

Heavy Duty Contact Brake
[not ★ with tapered bearings]

-B

Thumbscrew Brake

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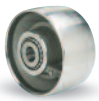
WHEEL CHOICES for more help, see pages 14 & 15

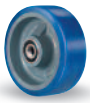
Duralast® XC: 70D extra hard poly on iron, higher capacity urethane



Forged Steel: highest capacity, tensile strength 75,000 psi

Nylast™: high capacity cast nylon, corrosion resistant

Polylast™: Donut Tread 85A Poly on Aluminum Core



Poly-Soft®: 85A softer poly on iron – quieter, easy rolling, debris resistant urethane

Swivel-EAZ®: Twin Wheel Poly on Aluminum, easy turning

Ultralast™: 95A -the ultimate premium urethane, outperforms all other urethanes

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

EHS Series Selection Table

3YR = 3 Year Warranty applies

Wheel				Swivel Caster			Rigid Caster			Load Cap. Lbs.	Ttl. Hgt. B	Swiv. Off. G
Dia. A	Face	Type	Replacement Number	Hamilton No.† Prec.BB/Roller	Hamilton No. Tapered Brgs	Wt. Lbs.	Hamilton No.† Prec.BB/Roller	Hamilton No. Tapered Brgs	Wt. Lbs.			
6	2	Duralast®	W-620-DB-½	★S-EHS-6DB 3YR	★S-EHS-6DT 3YR	13	★R-HS-6DB 3YR	★R-HS-6DT 3YR	10	1200	7¾	2¼
		Duralast®XC	W-620-DB70-½	★S-EHS-6DB70 3YR	S-EHS-6DT70 3YR	13	★R-HS-6DB70 3YR	R-HS-6DT70 3YR	10	1560		
		Forged Steel	W-620-FSB-½	★S-EHS-6FSB 3YR	S-EHS-6FST 3YR	17	★R-HS-6FSB 3YR	R-HS-6FST 3YR	12	2000		
		Metal	W-620-MB-½	★S-EHS-6MB	X	15	★R-HS-6MB	X	11	1400		
		Plastex‡*	W-620-P-¾	★S-EHS-6P	X	11	★R-HS-6P	X	7	1200		
		Polylast™	W-622-AYB-½	★S-EHS-62AYB 3YR	X	11	★R-HS-62AYB 3YR	X	9	600		
		Poly-Soft®	W-620-SPB-½	★S-EHS-6SPB 3YR	S-EHS-6SPT 3YR	13	★R-HS-6SPB 3YR	R-HS-6SPT 3YR	10	960		
		Swivel-EAZ™	W-620-SWF-½	★S-EHS-6SWF 3YR	X	14	★R-HS-6SWF 3YR	X	10	1700		
		Ultralast™	W-630-TRB-½	★S-EHS-6TRB 3YR	S-EHS-6TRT 3YR	13	★R-HS-6TRB 3YR	R-HS-6TRT 3YR	21	1400		
8	2	Duralast®	W-820-DB-½	★S-EHS-8DB 3YR	★S-EHS-8DT 3YR	17	★R-HS-8DB 3YR	★R-HS-8DT 3YR	14	1500	9¾	2¾
		Duralast®XC	W-820-DB70-½	★S-EHS-8DB70 3YR	S-EHS-8DT70 3YR	17	★R-HS-8DB70 3YR	R-HS-8DT70 3YR	14	1950		
		Metal	W-820-MB-½	★S-EHS-8MB	X	19	★R-HS-8MB	X	16	1500		
		Plastex‡*	W-820-P-¾	★S-EHS-8P	X	12	★R-HS-8P	X	9	1400		
		Polylast™	W-822-AYB-½	★S-EHS-82AYB 3YR	X	12	★R-HS-82AYB 3YR	X	11	1000		
		Poly-Soft®	W-820-SPB-½	★S-EHS-8SPB 3YR	S-EHS-8SPT 3YR	17	★R-HS-8SPB 3YR	R-HS-8SPT 3YR	14	1200		
		Swivel-EAZ™	W-820-SWF-½	★S-EHS-8SWF 3YR	X	15	★R-HS-8SWF 3YR	X	11	2000		
		Ultralast™	W-820-TRB-½	★S-EHS-8TRB 3YR	S-EHS-8TRT 3YR	17	★R-HS-8TRB 3YR	R-HS-8TRT 3YR	14	1800		

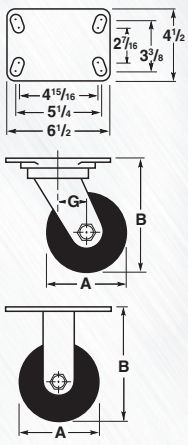
★ = same day/next day ***PRONTO***® shipment.

ES Series Selection Table

3YR = 3 Year Warranty applies

Wheel				Swivel Caster			Rigid Caster			Load Cap. Lbs.	Ttl. Hgt. B	Swiv. Off. G
Dia. A	Face	Type	Replacement Number	Hamilton No.† Prec.BB/Roller	Hamilton No. Tapered Brgs	Wt. Lbs.	Hamilton No.† Prec.BB/Roller	Hamilton No. Tapered Brgs	Wt. Lbs.			
5	2½	Duralast®	W-525-D-1	S-ES-5DH 3YR	X	17	R-ES-5DH 3YR	X	14	1300	7¼	2¼
6	2½	Duralast®	W-625-DB-¾	★S-ES-6DB 3YR	S-ES-6DT 3YR	21	★R-ES-6DB 3YR	R-ES-6DT 3YR	18	1600	7¾	
		Forged Steel	W-625-FSH-1	★S-ES-6FSH 3YR	S-ES-6FST 3YR	22	★R-ES-FSH 3YR	R-ES-6FST 3YR	19	2400		
		Metal	W-625-M-1	★S-ES-6MH	S-ES-6MT	20	★R-ES-6MH	R-ES-6MT	18	2200		
		Plastex‡*	W-625-P-1	★S-ES-6PH	S-ES-6PT	15	★R-ES-6PH	R-ES-6PT	13	1800		
	3	Duralast®	W-630-DB-¾	★S-ES-63DB 3YR	★S-ES-63DT 3YR	23	★R-ES-63DB 3YR	★R-ES-63DT 3YR	20	2200		
		Duralast®XC	W-630-DB70-¾	★S-ES-63DB70 3YR	S-ES-63DT70 3YR	23	★R-ES-63DB70 3YR	R-ES-63DT70 3YR	21	2200		
		Forged Steel	W-630-FSB-¾	★S-ES-63FSB 3YR	★S-ES-63FST 3YR	22	★R-ES-63FSB 3YR	★R-ES-63FST 3YR	19	2400		
		Nylast®‡	W-630-NYB-¾	★S-ES-63NYB	X	23	★R-ES-63NYB	X	20	2400		
		Plastex‡*	W-630-P-1	★S-ES-63PH	★S-ES-63PT	23	★R-ES-63PH	★R-ES-63PT	20	2000		
		Poly-Soft®	W-630-SPB-¾	★S-ES-63SPB 3YR	S-ES-63SPT 3YR	23	★R-ES-63SPB 3YR	R-ES-63SPT 3YR	21	1800		
		Ultralast™	W-630-TRB-¾	★S-ES-63TRB 3YR	S-ES-63TRT 3YR	23	★R-ES-63TRB 3YR	R-ES-63TRT 3YR	21	2400		
8	2½	Duralast®	W-825-DB-¾	★S-ES-8DB 3YR	S-ES-8DT 3YR	27	★R-ES-8DB 3YR	R-ES-8DT 3YR	19	2000	10¼	2⅜
		Metal	W-825-M-1	★S-ES-8MH	S-ES-8MT	27	★R-ES-8MH	R-ES-8MT	24	2400		
		Plastex	W-825-P-1	★S-ES-8PH	S-ES-8PT	18	★R-ES-8PH	R-ES-8PT	13	2000		
	3	Duralast®	W-830-DB-¾	★S-ES-83DB 3YR	★S-ES-83DT 3YR	27	★R-ES-83DB 3YR	★R-ES-83DT 3YR	24	2200		
		Duralast®XC	W-830-DB70-¾	★S-ES-83DB70 3YR	S-ES-83DT70 3YR	23	★R-ES-83DB70 3YR	R-ES-83DT70 3YR	21	2400		
		Forged Steel	W-830-FSB-¾	★S-ES-83FSB 3YR	★S-ES-83FST 3YR	36	★R-ES-83FSB 3YR	★R-ES-83FST 3YR	33	2400		
		Nylast®‡	W-830-NYB-¾	★S-ES-83NYB	X	23	★R-ES-83NYB	X	20	2400		
		Plastex	W-830-P-1	★S-ES-83PH	S-ES-83PT	18	★R-ES-83PH	R-ES-83PT	16	2400		
		Poly-Soft®	W-830-SPB-¾	★S-ES-83SPB 3YR	S-ES-83SPT 3YR	27	★R-ES-83SPB 3YR	R-ES-83SPT 3YR	24	2000		
		Ultralast™	W-830-TRB-¾	★S-ES-83TRB 3YR	S-ES-83TRT 3YR	28	★R-ES-83TRB 3YR	R-ES-83TRT 3YR	25	2400		
10	2½	Duralast®	W-1025-DB-¾	★S-ES-10DB 3YR	S-ES-10DT 3YR	28	★R-ES-10DB 3YR	R-ES-10DT 3YR	24	2400	12 1/16	2¾
		Metal	W-1025-M-1	★S-ES-10MH	S-ES-10MT	28	★R-ES-10MH	R-ES-10MT	26	2400		
		Plastex	W-1025-P-1	★S-ES-10PH	S-ES-10PT	20	★R-ES-10PH	R-ES-10PT	17	2400		
	3	Duralast®	W-1030-DB-¾	★S-ES-13DB 3YR	★S-ES-13DT 3YR	31	★R-ES-13DB 3YR	★R-ES-13DT 3YR	29	2400		
		Duralast®XC	W-1030-DB70-¾	★S-ES-13DB70 3YR	S-ES-13DT70 3YR	31	★R-ES-13DB70 3YR	R-ES-13DT70 3YR	29	2400		
		Forged Steel	W-1030-FSB-¾	★S-ES-13FSB 3YR	★S-ES-13FST 3YR	40	★R-ES-13FSB 3YR	★R-ES-13FST 3YR	38	2400		
		Poly-Soft®	W-1030-SPB-¾	★S-ES-13SPB 3YR	S-ES-13SPT 3YR	27	★R-ES-13SPB 3YR	R-ES-13SPT 3YR	29	2400		
		Ultralast™	W-1030-TRB-¾	S-ES-13TRB 3YR	S-ES-13TRT 3YR	31	R-ES-13TRB 3YR	R-ES-13TRT 3YR	29	2400		

Mounting Plate Dimensions



Mounting Bolt: ½"

HAMILTON FORGED STEEL

† Hamilton Nos. ending in B = Prec. Ball Bearing, H = Straight Roller Bearing, T = Prec. Tapered Roller Bearing.
* This wheel lubricated through lube axle. ‡ Straight-sided wheel.

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