

Precision Extra Heavy Duty Casters

...Featuring New HPI™ Swivel Technology



#S-EHD-83DB Swivel showing Duralast® wheel

Hamilton's popular *Extra Heavy Duty Casters* are widely recognized for their superior performance, wide selection, and reliable service. And now the *EHD* is even better. The entire *EHD Series* has been upgraded and now features Hamilton's new *HPI™ Swivel Technology*. The *EHD's* extra thick hot forgings, guaranteed-for-life integrally forged kingpin and new *HPI™ Swivel Technology* combine to defy comparison. Yet high volume enables us to price these superior products among the lowest priced casters in their class.

QUALITY FEATURES

Swivel Construction – ½" thick drop forged steel mounting plate; ¾" x 3" plate steel legs welded inside and outside to forged steel horn base.

Kingpin – 1" diameter integrally forged with mounting plate guaranteed for life and threaded for 1" diameter lock nut.

Main Load Bearing – *HPI™* thrust bearing with outside diameter of 5 5/16"; raceways hardened to 58-62HRC and ground to surface finish 16 micro inches.

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

Axle – ¾" diameter hex head with lock nut.

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

OPTIONAL ACCESSORIES more help on page 13



• **Swivel Lock– 4 position (★-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

• **Wheel Bearing Seals (-BS)**
—prolong wheel life in harsh environments



• **Dual-Wheel Models, see page 34**
—minimize overall height & maximize capacity

• **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



The *Extra Heavy Duty Series (EHD)* is backed by *Hamilton's Three Year Product Warranty*. Refer to selection table for qualifying wheels.



The enhanced *Extra Heavy Duty 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.



#R-EHD-83DB70 Rigid model showing new Duralast® XC high performance polyurethane wheel.

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]

WHEEL CHOICES for more help, see pages 14 & 15



Duralast®:
95A poly on iron – our standard urethane



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



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



Metal:
cast iron, heavy duty design



Nylast™:
high capacity cast nylon, corrosion resistant



Plastex:
phenolic, low cost, high capacity



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



Moldon Rubber:
1" thick 70D rubber, tensile strength exceeds 1,000 psi



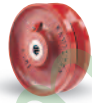
Superlast®:
95A 1" thick poly/super duty forged steel center



Super Ultralast™:
95A 1" thick ultimate premium urethane on super duty forged steel center



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



V-Grooved:
take loads off floor, for production-line flow

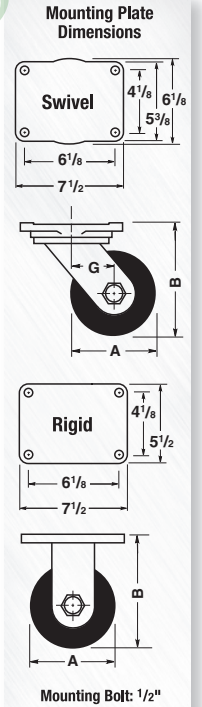


★ = same day/next day **PRONTO®** shipment.

EHD Series Selection Table

3YR = 3 Year Warranty applies

Dia. A	Wheel			Swivel Caster			Rigid Caster			Load Cap. Lbs.	Til. Hgt. B	Swiv. Off. G		
	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	2½	Duralast®	W-625-DB-¾	★ S-EHD-6DB 3YR	S-EHD-6DT 3YR	32	★ R-EHD-6DB 3YR	R-EHD-6DT 3YR	26	1600	8½	2½		
		Forged Steel	W-625-FSH-1	★ S-EHD-6FSH	S-EHD-6FST 3YR	34	★ R-EHD-6FSH	R-EHD-6FST 3YR	28	3500				
		Metal	W-625-M-1	★ S-EHD-6MH	S-EHD-6MT	29	★ R-EHD-6MH	R-EHD-6MT	23	2200				
		Plastex‡*	W-625-P-1	★ S-EHD-6PH	S-EHD-6PT	24	★ R-EHD-6PH	R-EHD-6PT	18	1800				
	3	V-Groove	W-626-V-1	★ S-EHD-6VH	S-EHD-6VT	34	★ R-EHD-6VH	R-EHD-6VT	28	2500				
		Duralast®	W-630-DB-¾	★ S-EHD-63DB 3YR	★ S-EHD-63DT 3YR	30	★ R-EHD-63DB 3YR	★ R-EHD-63DT 3YR	24	2200				
		Duralast® XC	W-630-DB70-¾	★ S-EHD-63DB70 3YR	S-EHD-63DT70 3YR	30	★ R-EHD-63DB70 3YR	★ R-EHD-63DT70 3YR	24	2860				
		Forged Steel	W-630-FSB-¾	★ S-EHD-63FSB 3YR	★ S-EHD-63FST 3YR	41	★ R-EHD-63FSB 3YR	★ R-EHD-63FST 3YR	35	5000				
		Metal	W-630-MB-¾	★ S-EHD-63MB	S-EHD-63MT	32	★ R-EHD-63MB	R-EHD-63MT	26	2500				
		Nylast™‡	W-630-NYB-¾	★ S-EHD-63NYB	X	23	★ R-EHD-63NYB	X	17	5000				
		Plastex‡*	W-630-P-1	★ S-EHD-63PH	S-EHD-63PT	26	★ R-EHD-63PH	R-EHD-63PT	20	2000				
		Poly-Soft®	W-630-SPB-¾	★ S-EHD-63SPB 3YR	S-EHD-63SPT 3YR	30	★ R-EHD-63SPB 3YR	R-EHD-63SPT 3YR	24	1800				
Ultralast™	W-630-TRB-¾	★ S-EHD-63TRB 3YR	S-EHD-63TRT 3YR	30	★ R-EHD-63TRB 3YR	R-EHD-63TRT 3YR	24	2600						
8	2½	Duralast®	W-825-DB-¾	★ S-EHD-8DB 3YR	S-EHD-8DT 3YR	34	★ R-EHD-8DB 3YR	R-EHD-8DT 3YR	28	2000	10½	2½		
		Metal	W-825-M-1	★ S-EHD-8MH	S-EHD-8MT	34	★ R-EHD-8MH	R-EHD-8MT	28	2500				
		Plastex	W-825-P-1	★ S-EHD-8PH	S-EHD-8PT	26	★ R-EHD-8PH	R-EHD-8PT	20	2000				
	3	V-Groove	W-8-V-1	★ S-EHD-8VH	S-EHD-8VT	35	★ R-EHD-8VH	R-EHD-8VT	33	2500				
		Duralast®	W-830-DB-¾	★ S-EHD-83DB 3YR	★ S-EHD-83DT 3YR	36	★ R-EHD-83DB 3YR	★ R-EHD-83DT 3YR	30	2500				
		Duralast® XC	W-830-DB70-¾	★ S-EHD-83DB70 3YR	S-EHD-83DT70 3YR	36	★ R-EHD-83DB70 3YR	★ R-EHD-83DT70 3YR	30	3250				
		Forged Steel	W-830-FSB-¾	★ S-EHD-83FSB 3YR	★ S-EHD-83FST 3YR	41	★ R-EHD-83FSB 3YR	★ R-EHD-83FST 3YR	35	5000				
		Metal	W-830-MB-¾	★ S-EHD-83MB	S-EHD-83MT	39	★ R-EHD-83MB	R-EHD-83MT	33	2600				
		Nylast™‡	W-830-NYB-¾	★ S-EHD-83NYB	X	28	★ R-EHD-83NYB	X	21	5000				
		Plastex‡*	W-830-P-1	★ S-EHD-83PH	S-EHD-83PT	29	★ R-EHD-83PH	R-EHD-83PT	23	3000				
		Poly-Soft®	W-830-SPB-¾	★ S-EHD-83SPB 3YR	S-EHD-83SPT 3YR	36	★ R-EHD-83SPB 3YR	R-EHD-83SPT 3YR	30	2000				
		M.O. Rubber	W-830-R-1	★ S-EHD-83RH	S-EHD-83RT	31	★ R-EHD-83RH	R-EHD-83RT	25	840				
		Superlast®	W-830-SYH-1	★ S-EHD-83SYH	★ S-EHD-83SYT 3YR	40	★ R-EHD-83SYH	★ R-EHD-83SYT 3YR	36	3500				
		Super Ultralast™	W-830-STRB-¾	S-EHD-83STRB 3YR	S-EHD-83STRT 3YR	40	R-EHD-83STRB 3YR	R-EHD-83STRT 3YR	36	4400				
Ultralast™	W-830-TRB-¾	★ S-EHD-83TRB 3YR	S-EHD-83TRT 3YR	36	★ R-EHD-83TRB 3YR	R-EHD-83TRT 3YR	30	3000						
10	2½	Duralast®	W-1025-DB-¾	★ S-EHD-10DB 3YR	S-EHD-10DT 3YR	32	★ R-EHD-10DB 3YR	R-EHD-10DT 3YR	26	2500	12½	2½		
		Metal	W-1025-M-1	★ S-EHD-10MH	S-EHD-10MT	38	★ R-EHD-10MH	R-EHD-10MT	32	2500				
		Plastex	W-1025-P-1	★ S-EHD-10PH	S-EHD-10PT	30	★ R-EHD-10PH	R-EHD-10PT	24	2500				
	3	Duralast®	W-1030-DB-¾	★ S-EHD-13DB 3YR	★ S-EHD-13DT 3YR	42	★ R-EHD-13DB 3YR	★ R-EHD-13DT 3YR	36	3000				
		Duralast® XC	W-1030-DB70-¾	★ S-EHD-13DB70 3YR	S-EHD-13DT70 3YR	42	★ R-EHD-13DB70 3YR	R-EHD-13DT70 3YR	36	3900				
		Forged Steel	W-1030-FSB-¾	★ S-EHD-13FSB 3YR	★ S-EHD-13FST 3YR	51	★ R-EHD-13FSB 3YR	★ R-EHD-13FST 3YR	45	5000				
		Metal	W-1030-M-1	★ S-EHD-13MH	S-EHD-13MT	42	★ R-EHD-13MH	R-EHD-13MT	36	2600				
		Plastex	W-1030-P-1	★ S-EHD-13PH	S-EHD-13PT	33	★ R-EHD-13PH	R-EHD-13PT	27	2900				
		Poly-Soft®	W-1030-SPB-¾	★ S-EHD-13SPB 3YR	S-EHD-13SPT 3YR	42	★ R-EHD-13SPB 3YR	R-EHD-13SPT 3YR	36	2400				
		M.O. Rubber	W-1030-R-1	★ S-EHD-13RH	S-EHD-13RT	38	★ R-EHD-13RH	R-EHD-13RT	32	1000				
		Ultralast™	W-1030-TRB-¾	S-EHD-13TRB 3YR	S-EHD-13TRT 3YR	42	R-EHD-13TRB 3YR	R-EHD-13TRT 3YR	36	3600				
		V-Groove	W-10-V-1	★ S-EHD-13VH	S-EHD-13VT	54	★ R-EHD-13VH	R-EHD-13VT	48	3000				
		12	3	Duralast®	W-1230-DB-¾	★ S-EHD-12DB 3YR	★ S-EHD-12DT 3YR	57	★ R-EHD-12DB 3YR	★ R-EHD-12DT 3YR			51	3500
				Duralast® XC	W-1230-DB70-¾	S-EHD-12DB70 3YR	S-EHD-12DT70 3YR	57	R-EHD-12DB70 3YR	R-EHD-12DT70 3YR			51	4550
Metal	W-1230-M-1			★ S-EHD-12MH	S-EHD-12MT	50	★ R-EHD-12MH	R-EHD-12MT	44	2500				
Plastex	W-1230-P-1			★ S-EHD-12PH	S-EHD-12PT	32	★ R-EHD-12PH	R-EHD-12PT	26	3500				
Poly-Soft®	W-1230-SPB-¾			★ S-EHD-12SPB 3YR	S-EHD-12SPT 3YR	57	★ R-EHD-12SPB 3YR	R-EHD-12SPT 3YR	51	2800				
Ultralast™	W-1230-TRB-¾	S-EHD-12TRB 3YR	S-EHD-12TRT 3YR	57	R-EHD-12TRB 3YR	R-EHD-12TRT 3YR	51	4200						



☒ With straight roller or precision ball bearings. For catalog number of corresponding tapered bearing wheels, consult factory.
 † Hamilton No.s ending in "B" = Prec. Ball Bearing, "H" = Straight Roller Bearing, "T" = Prec. Tapered Roller Bearing.
 * These wheels lubricated through lube axle. ‡ Straight-sided wheel.