

## Enhanced Precision Super Duty Casters

...Featuring New HPI™ Swivel Technology



#S-EPSD-84FST Swivel  
showing Forged Steel wheel

The Enhanced Precision Super Duty (EPSD) Series is all new – new tooling, new dies, new swivel technology! The new EPSD Series is a handsome caster with good proportions and balance. The series is a significant upgrade from the PSD Series it replaces and is better positioned to outperform in applications suited between our Maxi-Duty (MD) and Extra Heavy Duty (EHD) Series.

The unit load bearing has been replaced with new HPI™ Swivel Technology that has been proven superior to designs with unit load bearings. The new EPSD also features a slightly larger top plate with slotted holes to accommodate the former PSD Series bolt pattern and adds an additional bolt pattern popular in the industry.

### QUALITY FEATURES

**Swivel Construction** – ½" thick drop forged steel mounting plate; ¾" x 4" plate steel legs robotically welded inside and out to forged steel horn base.

**Kingpin** – 1" diameter integrally forged with mounting plate and threaded for adjustable slotted nut and cotter pin.

**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** – 1" dia. grade 5 hex head with lock nut.

**Lubrication Fittings** – Ball-check type in swivel assembly and in wheels with tapered roller bearings.



#R-EPSD-83NYB Rigid showing new Nylast™ wheel.

### OPTIONAL ACCESSORIES more help on page 13



- **Swivel Lock– 4 position (-4SL)**  
–convert swivel to rigid for straight line steering



- **Sealed Swivel Assembly (-SS)**  
–prolongs caster life in harsh environments
- **Wheel Bearing Seals (-DS)**  
–prolong wheel life in harsh environments
- **V-Grooved wheel models**
- **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.

### BRAKE CHOICES for more help, see page 20

★-ZB



Heavy Duty Contact Brake  
[not ★ with tapered bearings]

-B



Thumbscrew Brake



### 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



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



**Superlast® XC:**  
70D extra hard 1" thick poly/forged steel center – highest capacity urethane



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



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

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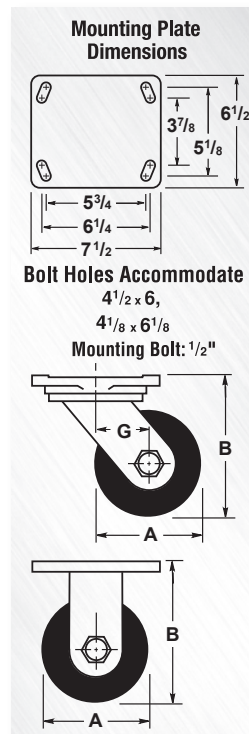
★ = same day/next day **PRONTO®** shipment.

### EPSD Selection Table

3YR = 3 Year Warranty applies

Dia. A	Wheel			Swivel Caster		Rigid Caster		Load Cap. Lbs.	Total Hght. B	Swivel Offset G
	Face	Type	Replacement Number	Hamilton No. Tapered / Prec. BB	Wt. Lbs.	Hamilton No. Tapered / Prec. BB	Wt. Lbs.			
6	3	Duralast®	W-630-DB-1	S-EPSD-63DB 3YR	36	R-EPSD-63DB 3YR	29	2200	8½	2½
		Duralast® XC	W-630-DB70-1	S-EPSD-63DB70 3YR	36	R-EPSD-63DB70 3YR	28	2860		
		Forged Steel	W-630-FST-1¼	★ S-EPSD-63FST 3YR	45	★ R-EPSD-63FST 3YR	37	10,000		
		Nylast™±	W-630-NYB-1	S-EPSD-63NYB 3YR	33	R-EPSD-63NYB 3YR	25	6000		
		Ultralast™	W-630-TRB-1	S-EPSD-63TRB 3YR	36	R-EPSD-63TRB 3YR	29	2600		
8	3	Duralast®	W-830-DB-1	S-EPSD-83DB 3YR	44	R-EPSD-83DB 3YR	36	2500	10½	2½
		Duralast® XC	W-830-DB70-1	S-EPSD-83DB70 3YR	44	R-EPSD-83DB70 3YR	36	3250		
		Forged Steel	W-830-FST-1¼	★ S-EPSD-83FST 3YR	48	★ R-EPSD-83FST 3YR	40	10,000		
		Nylast™±	W-830-NYB-1	S-EPSD-83NYB 3YR	34	R-EPSD-83NYB 3YR	26	6500		
		Superlast®	W-830-SYT-1¼	★ S-EPSD-83SYT 3YR	51	★ R-EPSD-83SYT 3YR	43	3500		
		Superlast®XC	W-830-SYT70-1¼	S-EPSD-83SYT70 3YR	51	R-EPSD-83SYT70 3YR	43	4550		
	4	Super Ultralast™	W-830-STRB-1	S-EPSD-83STRB 3YR	51	R-EPSD-83STRB 3YR	43	4200		
		Ultralast™	W-830-TRB-1	S-EPSD-83TRB 3YR	44	R-EPSD-83TRB 3YR	36	3000		
		Duralast®	W-840-DT-1¼	S-EPSD-84DT 3YR	46	R-EPSD-84DT 3YR	38	3200		
		Forged Steel	W-840-FST-1¼	S-EPSD-84FST 3YR	64	R-EPSD-84FST 3YR	56	10,000		
10	3	Duralast®	W-1030-DT-1¼	S-EPSD-13DT 3YR	54	R-EPSD-13DT 3YR	46	3000	12½	2½
		Duralast® XC	W-1030-DT70-1¼	S-EPSD-13DT70 3YR	54	R-EPSD-13DT70 3YR	46	3900		
		Forged Steel	W-1030-FST-1¼	S-EPSD-13FST 3YR	59	R-EPSD-13FST 3YR	51	6500		
		Ultralast™	W-1030-TRT-1¼	S-EPSD-13TRT 3YR	54	R-EPSD-13TRT 3YR	46	3600		
	4	Forged Steel	W-1040-FST-1¼	★ S-EPSD-104FST 3YR	80	★ R-EPSD-104FST 3YR	72	10,000		
		Superlast®	W-1040-SYT-1¼	★ S-EPSD-104SYT 3YR	74	★ R-EPSD-104SYT 3YR	66	5000		
		Superlast XC®	W-1040-SYT70-1¼	S-EPSD-104SYT70 3YR	74	R-EPSD-104SYT70 3YR	66	6500		
		Super Ultralast™	W-1040-STRT-1¼	S-EPSD-104STRT 3YR	74	R-EPSD-104STRT 3YR	66	6000		
12	4	Forged Steel	W-1240-FST-1¼	S-EPSD-124FST 3YR	156	R-EPSD-124FST 3YR	149	10,000	15½	2½
		Superlast®	W-1240-SYT-T-1¼	S-EPSD-124SYT 3YR	92	R-EPSD-124SYT 3YR	85	6000		
		Superlast XC®	W-1240-SYT70-1¼	S-EPSD-124SYT70 3YR	92	R-EPSD-124SYT70 3YR	85	7800		
		Super Ultralast™	W-1240-STRT-1¼	S-EPSD-124STRT 3YR	92	R-EPSD-124STRT 3YR	85	7200		

± Straight-sided wheel.



## Mini-Mite™ Caster

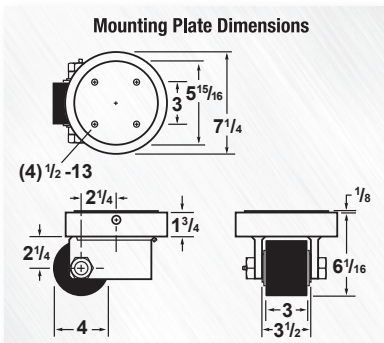
### QUALITY FEATURES

**Swivel Construction** – Kingpinless-design 7¼" outside diameter outer ring base with CNC-machined 6" diameter hardened raceway and polished steel balls.

**Axle** – 1" diameter grade 5 lube axle.

**Wheel Bearings** – (2) 1" needle thrust bearings and (2) 1" needle roller bearings.

**Lubrication Fitting** – Ball-check type in swivel assembly.



Hamilton is proud to introduce the new Mini-Mite caster for those applications that demand an extremely low overall height and an incredibly high capacity. Each Mini-Mite caster stands only 6" tall and supports up to 10,000 lbs. Hamilton engineers accomplished this feat using kingpinless swivel construction with an immense 6" diameter raceway. The raceways are CNC-machined and hardened to handle the extra capacity. The caster wheel is a 4" x 3" wide 1045 steel roller and inside are four bearings: (2) needle thrust and (2) needle roller. The outside diameter of the ring is 7¼" and there are four ½-13 holes for mounting 3" x 3" wide. The rig and wheel are painted battleship gray enamel.

### MM Selection Table

Dia. A	Wheel		Replacement Number	Swivel Caster		Load Cap. Lbs.	Swivel Radius
	Face	Type		Hamilton Model No.	Wt. Lbs.		
4	3	Forged Steel	W-430-FSX-1	S-MM-43FS	37	10,000	2½

