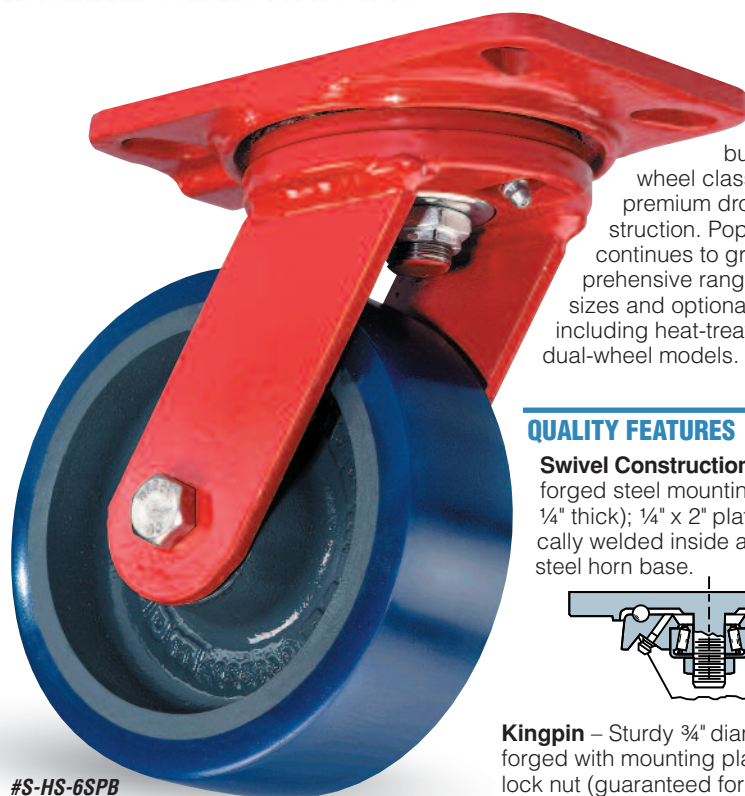
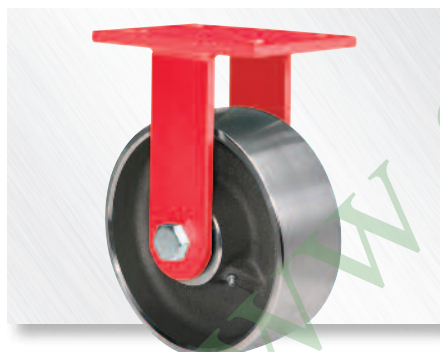


Heavy Service Casters



#S-HS-6SPB
Swivel showing
Poly-Soft® wheel

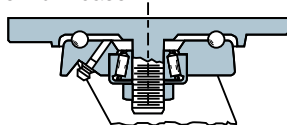


#R-HS-6FST Rigid Heavy Service showing a Forged Steel Wheel.

Hamilton's Heavy Service Casters are the toughest casters you can buy in the 2" wide wheel class because of their premium drop forged steel construction. Popularity of this series continues to grow due to the comprehensive range of wheel types, sizes and optional extras available, including heat-treated raceways and dual-wheel models.

QUALITY FEATURES

Swivel Construction $\frac{5}{16}$ " thick drop forged steel mounting plate (rigid plate $\frac{1}{4}$ " thick); $\frac{1}{4}$ " x 2" plate steel legs robotically welded inside and outside to forged steel horn base.



Kingpin – Sturdy $\frac{3}{4}$ " diameter integrally forged with mounting plate, threaded for lock nut (guaranteed for life!).

Main Load Bearing – CNC-machined $\frac{3}{4}$ " diameter raceway; $\frac{3}{8}$ " diameter hardened and polished steel balls.

Secondary Load Bearing – $\frac{3}{4}$ " precision tapered thrust bearing counteracts radial thrust.

Axle – $\frac{1}{2}$ " diameter hex head with lock nut.

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

THREE YEAR WARRANTY



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

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, not available with swivel lock.
- **Wheel Bearing Seals (-BS)**
–prolong wheel life in harsh environments.



- **Dual-Wheel Models**
–minimize overall height & maximize capacity, see pages 34 & 35.



- **Spring Loaded Models** –see page 41
- This series is available with Hamilton's new HPI™ Swivel Technology, See the new EHS Series on page 37.
- **Custom Engineering**
–Hamilton engineers will custom design any caster to meet customer requirements.

BRAKE CHOICES *for more help, see page 20*

★-FB



Side Foot Brake
[N/A with tapered bearings]

★-FRB



Rap-A-Round Foot Brake
[except $\frac{3}{4}$ " models,
N/A with tapered bearings]

★-ZB



Heavy Duty Contact Brake.
[except $\frac{3}{4}$ " models, not ★
with tapered bearings]

-B



Thumbscrew Brake

Heavy Service Casters

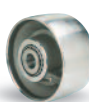
WHEEL CHOICES for more help, see pages 14 & 15



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



Polylast™:
Donut Tread 85A Poly on Aluminum Core



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



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



Ultralast™:
95A – the ultimate premium urethane, out-performs all other urethanes



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

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

HS Series Selection Table

3YR = 3 Year Warranty applies

Same daynext day													Free shipping		No cons collection		SW-200 Real warranty apply	
Wheel			Swivel Caster				Rigid Caster				Load Cap. Lbs.	Ttl. Hgt. B	Swiv. Off. G					
Dia. A	Face	Type	Replacement Number	Hamilton No.† Roller/Prec. BB	Hamilton No. Tapered Brgs.	Wt. Lbs.	Hamilton No.† Roller/Prec. BB	Hamilton No. Tapered Brgs.	Wt. Lbs.									
3½	2	Duralast®*	W-320-D-¾	★S-HS-3D	X	10	★R-HS-3D	X	6	575	5¼	1¾						
		Plastex*	W-320-P-¾	★S-HS-3P	X	8	★R-HS-3P	X	4	700								
4	1½	Forged Steel	W-415-FS-¾	★S-HS-4FS 3YR	X	13	★R-HS-4FS 3YR	X	9	1400	5%	1¾						
		Duralast®	W-420-DB-½	★S-HS-4DB 3YR	X	12	★R-HS-4DB 3YR	X	8	750								
		Duralast XC	W-420-DB70-½	★S-HS-4DB70 3YR	X	12	★R-HS-4DB70 3YR	X	8	975								
		Metal*	W-420-MB-½	★S-HS-4MB	X	11	★R-HS-4MB	X	8	1000								
		Nylast™‡	W-420-NYB-½	★S-HS-4NYB	X	10	★R-HS-4NYB	X	8	2000								
		Plastex*	W-420-P-¾	★S-HS-4P	X	9	★R-HS-4P	X	5	800								
	2	Polylast	W-422-AYB-½	★S-HS-42AYB 3YR	X	10	★R-HS-42AYB 3YR	X	6	300								
		Poly-Soft®	W-420-SPB-½	★S-HS-4SPB 3YR	X	12	★R-HS-4SPB 3YR	X	7	600								
		M.O. Rubber*	W-420-R-¾	★S-HS-4R	X	11	★R-HS-4R	X	7	300								
		Swivel-EAZ™	W-420-SWF-½	★S-HS-4SWF 3YR	X	11	★R-HS-4SWF 3YR	X	7	800								
		Ultralast™	W-420-TRB-½	S-HS-4TRB 3YR	X	12	R-HS-4TRB 3YR	X	8	900								
5	2	Duralast®	W-520-DB-½	★S-HS-5DB 3YR	★S-HS-5DT 3YR	12	★R-HS-5DB 3YR	★R-HS-5DT 3YR	8	1050	6¾	2						
		Duralast XC	W-520-DB70-½	★S-HS-5DB70 3YR	S-HS-5DT70 3YR	12	★R-HS-5DB70 3YR	R-HS-5DT70 3YR	8	1360								
		Forged Steel	W-5-FS-¾	★S-HS-5FS	S-HS-5FST 3YR	15	★R-HS-5FS	R-HS-5FST 3YR	10	1500								
		Metal	W-520-MB-½	★S-HS-5MB	X	14	★R-HS-5MB	X	9	1300								
		Plastex	W-520-P-¾	★S-HS-5P	X	10	★R-HS-5P	X	6	1000								
		Poly-Soft®	W-520-SPB-½	★S-HS-5SPB 3YR	S-HS-5SPT 3YR	12	★R-HS-5SPB 3YR	R-HS-5SPT 3YR	8	840								
		M.O. Rubber	W-520-R-¾	★S-HS-5R	X	11	★R-HS-5R	X	7	350								
6	2	Ultralast™	W-520-TRB-½	S-HS-5TRB 3YR	S-HS-5TRT 3YR	12	R-HS-5TRB 3YR	R-HS-5TRT 3YR	8	1250	7¾	2¼						
		Duralast®	W-620-DB-½	★S-HS-6DB 3YR	★S-HS-6DT 3YR	13	★R-HS-6DB 3YR	★R-HS-6DT 3YR	10	1200								
		Duralast XC	W-620-DB70-½	★S-HS-6DB70 3YR	S-HS-6DT70 3YR	12	★R-HS-6DB70 3YR	R-HS-6DT70 3YR	8	1560								
		Forged Steel	W-620-FSB-½	★S-HS-6FSB 3YR	S-HS-6FST 3YR	17	★R-HS-6FSB 3YR	R-HS-6FST 3YR	12	2000								
		Metal	W-620-MB-½	★S-HS-6MB	X	15	★R-HS-6MB	X	11	1400								
		Nylast™‡	W-620-NYB-½	★S-HS-6NYB	X	15	★R-HS-6NYB	X	11	2000								
		Plastex	W-620-P-¾	★S-HS-6P	X	11	★R-HS-6P	X	7	1200								
		Polylast™	W-622-AYB-½	★S-HS-62AYB 3YR	X	11	★R-HS-62AYB 3YR	X	9	600								
		Poly-Soft®	W-620-SPB-½	★S-HS-6SPB 3YR	S-HS-6SPT 3YR	13	★R-HS-6SPB 3YR	R-HS-6SPT 3YR	10	960								
8	2	M.O. Rubber	W-620-R-¾	★S-HS-6R	S-HS-6RT	12	★R-HS-6R	R-HS-6RT	9	410	9¾	2¾						
		Swivel-EAZ™	W-620-SWF-½	★S-HS-6SWF 3YR	X	14	★R-HS-6SWF 3YR	X	10	1700								
		Ultralast™	W-620-TRB-½	★S-HS-6TRB 3YR	S-HS-6TRT 3YR	13	★R-HS-6TRB 3YR	R-HS-6TRT 3YR	10	1400								
		Duralast®	W-820-DB-½	★S-HS-8DB 3YR	★S-HS-8DT 3YR	17	★R-HS-8DB 3YR	★R-HS-8DT 3YR	14	1500								
		Duralast XC	W-820-DB70-½	★S-HS-8DB70 3YR	S-HS-8DT70 3YR	17	★R-HS-8DB70 3YR	R-HS-8DT70 3YR	14	1950								
		Metal	W-820-MB-½	★S-HS-8MB	S-HS-8MT	19	★R-HS-8MB	R-HS-8MT	16	1500								
		Nylast™‡	W-820-NYB-½	★S-HS-8NYB	X	17	★R-HS-8NYB	X	13	2000								
		Plastex	W-820-P-¾	★S-HS-8P	X	12	★R-HS-8P	X	9	1400								
		Polylast™	W-822-AYB-½	★S-HS-82AYB 3YR	X	12	★R-HS-82AYB 3YR	X	11	1000								
		Poly-Soft®	W-820-SPB-½	★S-HS-8SPB 3YR	S-HS-8SPT 3YR	17	★R-HS-8SPB 3YR	R-HS-8SPT 3YR	14	1200								
		M.O. Rubber	W-820-R-¾	★S-HS-8R	S-HS-8RT	15	★R-HS-8R	R-HS-8RT	12	500								
		Swivel-EAZ™	W-820-SWF-½	★S-HS-8SWF 3YR	X	15	★R-HS-8SWF 3YR	X	11	2000								
		Ultralast™	W-820-TRB-½	★S-HS-8TRB 3YR	S-HS-8TRT 3YR	17	★R-HS-8TRB 3YR	R-HS-8TRT 3YR	14	1800								

† 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, T = Prec. Tapered Roller Bearing, any other letter = Straight Roller Bearing.

* This wheel lubricated through lube axle. ‡ Straight-sided wheel.

