Workhorse Casters

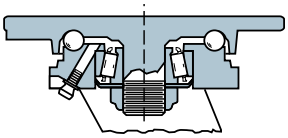
#S-WH-6DB Swivel showing Duralast® wheel

The *Workhorse* combines the forged steel strength of *Hamilton's HS Caster Series* (page 44-45) and the bolt hole pattern of the *Standard Duty 52 Series* (page 52-53). The drop forged steel swivel caster construction in-cludes a ¾" diameter integrally forged steel kingpin (guaranteed for life!), and a precision secondary load bearing.

When your application is too tough for the *Standard Duty 52 Series*, but you need to match its specifications, *Workhorse* is up to the challenge.

QUALITY FEATURES

Swivel Construction – ¼" thick drop forged steel mounting plate; ¼" x 2" plate steel legs robotically welded inside and outside to forged steel horn base.



Kingpin – Sturdy ¾" diameter integrally forged with mounting plate, guaranteed for life, and threaded for ¾" lock nut.

Main Load Bearing – CNC-machined 2⁹⁄₁₆" diameter raceway; ⅜" diameter hardened and polished steel balls.

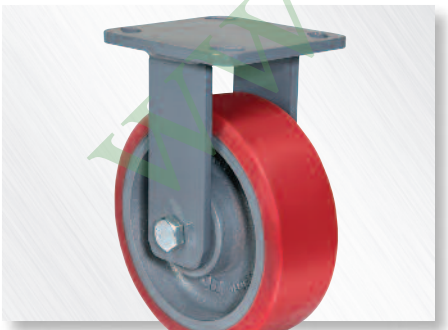
Secondary Load Bearing – ¾" precision tapered thrust bearing counteracts radial thrust.

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

THREE YEAR WARRANTY

The *Workhorse Series* is backed by *Hamilton's Three Year Product Warranty*. Refer to selection table for qualifying wheels.

#R-WH-6SWF *Rigid Workhorse* showing new *Swivel-EAZ® Wheel.*



#R-WH-6TRB *Rigid Workhorse* showing new *Ultralast™ Wheel.*

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

- **Spring Loaded Models** (see page 41).
- **Heat Treated Raceways**
  –reduce wear in power-towed applications
- **Custom Engineering**
  –Hamilton engineers will custom design any caster to meet customer requirements.

BRAKE CHOICES *for more help, see page 20*

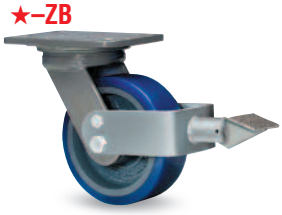
★-FB

Side Foot Brake
[N/A with tapered bearings]

★-FRB

Rap-A-Round Foot Brake
[except 3¼" models,
N/A with tapered bearings]

★–ZB



Heavy Duty Contact Brake.
[except 3¼" models,
not ★ with tapered bearings]

-B

Thumbscrew Brake

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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

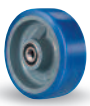
Forged Steel: highest capacity, tensile strength 75,000 psi

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

PRONTO® SAME DAY SHIPMENT!

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

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

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

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

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

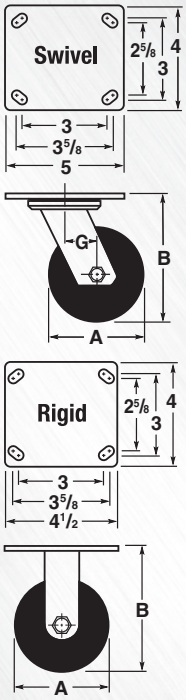
WH Series Selection Table

3YR = 3 Year Warranty applies

Wheel				Swivel Caster			Rigid Caster			Load Cap. Lbs.	Total Height B	Swiv. Offset 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.			
3¼	2	Duralast®*	W-320-D-¾	★S-WH-3D	X	9	★R-WH-3D	X	6	575	5¼	1¾
		Plastex*	W-320-P-¾	★S-WH-3P	X	7	★R-WH-3P	X	4	700		
4	1½	Forged Steel	W-415-FS-¾	★S-WH-4FS 3YR	X	12	★R-WH-4FS 3YR	X	8	1400	5⅝	1¾
	2	Duralast®	W-420-DB-½	★S-WH-4DB 3YR	X	11	★R-WH-4DB 3YR	X	7	750		
		Duralast XC	W-420-DB70-½	★S-WH-4DB70 3YR	X	11	★R-WH-4DB70 3YR	X	7	975		
		Metal*	W-420-MB-½	★S-WH-4MB	X	11	★R-WH-4MB	X	8	1000		
		Nylast™‡	W-420-NYB-½	★S-WH-4NYB	X	10	★R-WH-4NYB	X	7	2000		
		Plastex*	W-420-P-¾	★S-WH-4P	X	8	★R-WH-4P	X	5	800		
		Polylast	W-422-AYB-½	★S-WH-42AYB 3YR	X	9	★R-WH-42AYB 3YR	X	7	300		
		Poly-Soft®	W-420-SPB-½	★S-WH-4SPB 3YR	X	11	★R-WH-4SPB 3YR	X	7	600		
		M.O. Rubber*	W-420-R-¾	★S-WH-4R	X	10	★R-WH-4R	X	7	300		
		Swivel-EAZ™	W-420-SWF-½	★S-WH-4SWF 3YR	X	9	★R-WH-4SWF 3YR	X	6	800		
		Ultralast™	W-420-TRB-½	S-WH-4TRB 3YR	X	11	R-WH-4TRB 3YR	X	7	900		
5	2	Duralast®	W-520-DB-½	★S-WH-5DB 3YR	★S-WH-5DT 3YR	11	★R-WH-5DB 3YR	★R-WH-5DT 3YR	8	1050	6½	1⅞
		Duralast XC	W-520-DB70-½	★S-WH-5DB70 3YR	X	11	★R-WH-5DB70 3YR	X	8	1360		
		Forged Steel	W-5-FS-¾	★S-WH-5FS	S-WH-5FST 3YR	14	★R-WH-5FS	R-WH-5FST 3YR	11	1500		
		Metal	W-520-MB-½	★S-WH-5MB	X	12	★R-WH-5MB	X	9	1300		
		Plastex	W-520-P-¾	★S-WH-5P	X	10	★R-WH-5P	X	6	1000		
		Poly-Soft®	W-520-SPB-½	★S-WH-5SPB 3YR	S-WH-5SPT 3YR	11	★R-WH-5SPB 3YR	R-WH-5SPT 3YR	8	840		
		M.O. Rubber	W-520-R-¾	★S-WH-5R	X	11	★R-WH-5R	X	8	350		
		Ultralast™	W-520-TRB-½	S-WH-5TRB 3YR	X	11	R-WH-5TRB 3YR	X	8	1250		
6	2	Duralast®	W-620-DB-½	★S-WH-6DB 3YR	★S-WH-6DT 3YR	14	★R-WH-6DB 3YR	★R-WH-6DT 3YR	10	1200	7½	2
		Duralast XC	W-620-DB70-½	★S-WH-6DB70 3YR	X	14	★R-WH-6DB70 3YR	X	10	1560		
		Forged Steel	W-620-FSB-½	★S-WH-6FSB 3YR	S-WH-6FST 3YR	15	★R-WH-6FSB 3YR	R-WH-6FST 3YR	12	2000		
		Metal	W-620-MB-½	★S-WH-6MB	X	14	★R-WH-6MB	X	11	1400		
		Nylast™‡	W-620-NYB-½	★S-WH-6NYB	X	13	★R-WH-6NYB	X	10	2000		
		Plastex	W-620-P-¾	★S-WH-6P	X	11	★R-WH-6P	X	7	1200		
		Polylast™	W-622-AYB-½	★S-WH-62AYB 3YR	X	10	★R-WH-62AYB 3YR	X	8	1200		
		Poly-Soft®	W-620-SPB-½	★S-WH-6SPB 3YR	S-WH-6SPT 3YR	14	★R-WH-6SPB 3YR	R-WH-6SPT 3YR	10	600		
		M.O. Rubber	W-620-R-¾	★S-WH-6R	S-WH-6RT	12	★R-WH-6R	R-WH-6RT	9	410		
		Swivel-EAZ™	W-620-SWF-½	★S-WH-6SWF 3YR	X	11	★R-WH-6SWF 3YR	X	7	1700		
		Ultralast™	W-620-TRB-½	★S-WH-6TRB 3YR	X	14	★R-WH-6TRB 3YR	X	10	1400		
8	2	Duralast®	W-820-DB-½	★S-WH-8DB 3YR	★S-WH-8DT 3YR	17	★R-WH-8DB 3YR	★R-WH-8DT 3YR	14	1500	9½	2⅜
		Duralast XC	W-820-DB70-½	★S-WH-8DB70 3YR	X	17	★R-WH-8DB70 3YR	X	14	1950		
		Metal	W-820-MB-½	★S-WH-8MB	S-WH-8MT 3YR	19	★R-WH-8MB	R-WH-8MT 3YR	16	1500		
		Nylast™‡	W-820-NYB-½	★S-WH-8NYB	X	15	★R-WH-8NYB	X	12	2000		
		Plastex	W-820-P-¾	★S-WH-8P	X	12	★R-WH-8P	X	8	1400		
		Polylast™	W-822-AYB-½	★S-WH-82AYB 3YR	X	15	★R-WH-82AYB 3YR	X	10	1000		
		Poly-Soft®	W-820-SPB-½	★S-WH-8SPB 3YR	S-WH-8SPT 3YR	17	★R-WH-8SPB 3YR	R-WH-8SPT 3YR	14	1200		
		M.O. Rubber	W-820-R-¾	★S-WH-8R	S-WH-8RT	15	★R-WH-8R	R-WH-8RT	11	500		
		Swivel-EAZ™	W-820-SWF-½	★S-WH-8SWF 3YR	X	12	★R-WH-8SWF 3YR	X	8	2000		
		Ultralast™	W-820-TRB-½	★S-WH-8TRB 3YR	X	17	★R-WH-8TRB 3YR	X	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.

Mounting Plate Dimensions



Mounting Bolt: ⅜"

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