

## Forged Steel Dual Wheel Casters

...Featuring New HPI™ Swivel Technology on selected models



#S-EHD2-83SYT70 Swivel with Superlast® XC wheels



#S-HS2-4SPB Swivel showing Poly-Soft® wheels.

Dual wheel casters address the problem of how to minimize overall height and maximize load capacity on resilient tread wheels. Dual wheel casters also improve stability and swivel more easily than wider-face single wheels because differential action reduces the "scrubbing" effect of soft treads against the floors.

These forged steel dual wheel casters are built on the proven and reliable *Heavy Service (HS)* and *Extra Heavy Duty (EHD)* swivel caster platforms. This means you have lots of flexibility if you need to match an existing bolt-hole pattern or overall height dimension. For dual wheel casters with even higher load capacities, see page 24.

### QUALITY FEATURES

**Swivel Construction** – all models have forged steel mounting plate and horn base with integrally forged kingpins and precision tapered thrust bearings. Legs 1/4" thick on HS2 models and 3/8" thick on EHD2 models.

**Kingpin** – integrally forged with mounting plate, guaranteed for life, 3/4" dia. on HS2 models and 1" diameter on EHD2 models.

**Main Load Bearing** – HS2: large diameter raceway CNC-machined for hardened and polished steel balls; EHD2 HPI™ Swivel Technology.

**Secondary Load Bearing** – precision tapered roller bearing capped with grease retainer.

**Axle** – bolt and nut type: 1/2" dia. grade 5 on HS2 models, 3/4" grade 5 on EHD2 models

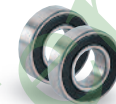
**Lubrication Fittings** – Ball-check type in swivel assembly and in wheel hubs with tapered or straight roller bearings.

### 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.
- The HS2 Series can be upgraded to Hamilton's new HPI™ Swivel Technology, consult factory for pricing.
- **Sealed Swivel Assembly (-SS)**  
not available with swivel lock.

### 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.

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

-2FB



Two Side Foot Brakes (one on each side)

-2HCB



Heavy Duty Contact Brake



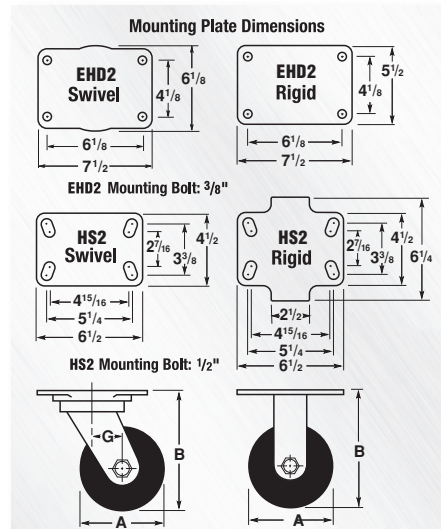
The Dual Wheel Extra Heavy Duty Series (EHD2) Series now features Hamilton's Precision Integrated HPI™ Swivel Technology. The new technology outperforms conventional CNC-machined ball raceways, kingpinless, and unit load bearing swivel constructions. The HS2 Series comes standard with conventional steel ball raceway technology and can be upgraded to the HPI™ Swivel Technology as an option, consult the factory.



### THREE YEAR WARRANTY



The Forged Steel Dual Wheel Series (HS2 & EHD2) is backed by Hamilton's Three Year Product Warranty. Refer to selection table for qualifying wheels.



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**WHEEL CHOICES** for more help, see pages 14 & 15**Duralast®:**  
95A poly on iron – our standard urethane**Duralast® XC:**  
70D poly on iron – extra capacity, harder urethane**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**Superlast®:**  
95A 1" thick poly/super duty forged steel center**Super Ulralast™:**  
95A 1" thick ultimate premium urethane on super duty forged steel center**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.**HS2 & EHD2 Series Selection Table**

3YR = 3 Year Warranty applies

| Wheel  |      |              |                    | Swivel Caster                 |                            |          | Rigid Caster                  |                            |          | Load Cap. Lbs. | Overall Height B | Swivel 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. |                |                  |                 |
| 3 1/4  | 2    | Duralast®*   | W-320-D-3/4        | ★ S-HS2-3D                    | X                          | 13       | ★ R-HS2-3D                    | X                          | 9        | 1150           | 5 1/4            | 1 1/4           |
|        |      | Plastex*     | W-320-P-3/4        | ★ S-HS2-3P                    | X                          | 9        | ★ R-HS2-3P                    | X                          | 5        | 1400           |                  |                 |
| 4      | 2    | Duralast®    | W-420-DB-1/2       | ★ S-HS2-4DB 3YR               | X                          | 15       | ★ R-HS2-4DB 3YR               | X                          | 12       | 1500           | 5 1/2            | 1 1/4           |
|        |      | Duralast® XC | W-420-DB70-1/2     | ★ S-HS2-4DB70 3YR             | X                          | 15       | ★ R-HS2-4DB70 3YR             | X                          | 12       | 1900           |                  |                 |
|        |      | Nylast™‡     | W-420-NYB-1/2      | ★ S-HS2-4NYB                  | X                          | 13       | ★ R-HS2-4NYB                  | X                          | 10       | 2500           |                  |                 |
|        |      | Plastex*     | W-420-P-3/4        | ★ S-HS2-4P                    | X                          | 10       | ★ R-HS2-4P                    | X                          | 6        | 1600           |                  |                 |
|        |      | Poly-Soft®   | W-420-SPB-1/2      | ★ S-HS2-4SPB 3YR              | X                          | 16       | ★ R-HS2-4SPB 3YR              | X                          | 11       | 1200           |                  |                 |
|        |      | Swivel-EAZ™  | W-420-SWF-1/2      | ★ S-HS2-4SWF 3YR              | X                          | 12       | ★ R-HS2-4SWF 3YR              | X                          | 9        | 1700           |                  |                 |
|        |      | Ultralast™   | W-420-TRB-1/2      | S-HS2-4TRB 3YR                | X                          | 15       | R-HS2-4TRB 3YR                | X                          | 12       | 1800           |                  |                 |
| 5      | 2    | Duralast®    | W-520-DB-1/2       | ★ S-HS2-5DB 3YR               | ★ S-HS2-5DT 3YR            | 17       | ★ R-HS2-5DB 3YR               | ★ R-HS2-5DT 3YR            | 13       | 2100           | 6 1/4            | 2               |
|        |      | Duralast® XC | W-520-DB70-1/2     | ★ S-HS2-5DB70 3YR             | S-HS2-5DT70 3YR            | 17       | ★ R-HS2-5DB70 3YR             | R-HS2-5DT70 3YR            | 13       | 2720           |                  |                 |
|        |      | Plastex      | W-520-P-3/4        | ★ S-HS2-5P                    | X                          | 12       | ★ R-HS2-5P                    | X                          | 8        | 2000           |                  |                 |
|        |      | Poly-Soft®   | W-520-SPB-1/2      | ★ S-HS2-5SPB 3YR              | ★ S-HS2-5SPT 3YR           | 17       | ★ R-HS2-5SPB 3YR              | ★ R-HS2-5SPT 3YR           | 13       | 1680           |                  |                 |
|        |      | Ultralast™   | W-520-TRB-1/2      | S-HS2-5TRB 3YR                | S-HS2-5TRT 3YR             | 17       | R-HS2-5TRB 3YR                | R-HS2-5TRT 3YR             | 13       | 2500           |                  |                 |
| 6      | 2    | Duralast®    | W-620-DB-1/2       | ★ S-HS2-6DB 3YR               | ★ S-HS2-6DT 3YR            | 19       | ★ R-HS2-6DB 3YR               | ★ R-HS2-6DT 3YR            | 15       | 2400           | 7 1/4            | 2 1/4           |
|        |      | Duralast® XC | W-620-DB70-1/2     | ★ S-HS2-6DB70 3YR             | S-HS2-6DT70 3YR            | 19       | ★ R-HS2-6DB70 3YR             | R-HS2-6DT70 3YR            | 15       | 2500           |                  |                 |
|        |      | Nylast™‡     | W-620-NYB-1/2      | ★ S-HS2-6NYB                  | X                          | 15       | ★ R-HS2-6NYB                  | X                          | 11       | 2500           |                  |                 |
|        |      | Plastex      | W-620-P-3/4        | ★ S-HS2-6P                    | X                          | 13       | ★ R-HS2-6P                    | X                          | 10       | 2400           |                  |                 |
|        |      | Poly-Soft®   | W-620-SPB-1/2      | ★ S-HS2-6SPB 3YR              | ★ S-HS2-6SPT 3YR           | 19       | ★ R-HS2-6SPB 3YR              | ★ R-HS2-6SPT 3YR           | 15       | 1920           |                  |                 |
|        |      | Swivel-EAZ™  | W-620-SWF-1/2      | ★ S-HS2-6SWF 3YR              | X                          | 16       | ★ R-HS2-6SWF 3YR              | X                          | 13       | 2800           |                  |                 |
|        | 3    | Ultralast™   | W-620-TRB-1/2      | ★ S-HS2-6TRB 3YR              | S-HS2-6TRT 3YR             | 19       | ★ R-HS2-6TRB 3YR              | R-HS2-6TRT 3YR             | 13       | 2500           | 8 1/2            | 2 1/2           |
|        |      | Duralast®    | W-630-DB-3/4       | S-EHD2-63DB 3YR               | S-EHD2-63DT 3YR            | 37       | R-EHD2-63DB 3YR               | R-EHD2-63DT 3YR            | 33       | 4400           |                  |                 |
|        |      | Duralast® XC | W-630-DB70-3/4     | S-EHD2-63DB70 3YR             | S-EHD2-63DT70 3YR          | 37       | R-EHD2-63DB70 3YR             | R-EHD2-63DT70 3YR          | 33       | 5720           |                  |                 |
|        |      | Nylast™‡     | W-630-NYB-3/4      | S-EHD2-63NYB                  | X                          | 23       | R-EHD2-63NYB                  | X                          | 19       | 7000           |                  |                 |
|        |      | Plastex†*    | W-630-P-1          | S-EHD2-63PH                   | S-EHD2-63PT                | 27       | R-EHD2-63PH                   | R-EHD2-63PT                | 23       | 4000           |                  |                 |
|        |      | Poly-Soft®   | W-630-SPB-3/4      | S-EHD2-63SPB 3YR              | S-EHD2-63SPT 3YR           | 37       | R-EHD2-63SPB 3YR              | R-EHD2-63SPT 3YR           | 33       | 3600           |                  |                 |
|        |      | Ultralast™   | W-630-TRB-3/4      | S-EHD2-63TRB 3YR              | S-EHD2-63TRT 3YR           | 37       | R-EHD2-63TRB 3YR              | R-EHD2-63TRT 3YR           | 33       | 5200           |                  |                 |
| 8      | 2    | Duralast®    | W-820-DB-1/2       | ★ S-HS2-8DB 3YR               | ★ S-HS2-8DT 3YR            | 26       | ★ R-HS2-8DB 3YR               | ★ R-HS2-8DT 3YR            | 23       | 3000           | 9 1/4            | 2 3/4           |
|        |      | Nylast™‡     | W-820-NYB-1/2      | ★ S-HS2-8NYB                  | X                          | 20       | ★ R-HS2-8NYB                  | X                          | 17       | 2000           |                  |                 |
|        |      | Poly-Soft®   | W-820-SPB-1/2      | ★ S-HS2-8SPB 3YR              | S-HS2-8SPT 3YR             | 26       | ★ R-HS2-8SPB 3YR              | R-HS2-8SPT 3YR             | 22       | 2400           |                  |                 |
|        |      | Swivel-EAZ™  | W-820-SWF-1/2      | ★ S-HS2-8SWF 3YR              | X                          | 23       | ★ R-HS2-8SWF 3YR              | X                          | 19       | 3000           |                  |                 |
|        |      | Ultralast™   | W-820-TRB-1/2      | ★ S-HS2-8TRB 3YR              | S-HS2-8TRT 3YR             | 26       | ★ R-HS2-8TRB 3YR              | R-HS2-8TRT 3YR             | 23       | 2500           |                  |                 |
|        | 3    | Duralast®    | W-830-DB-3/4       | S-EHD2-83DB 3YR               | S-EHD2-83DT 3YR            | 48       | R-EHD2-83DB 3YR               | R-EHD2-83DT 3YR            | 44       | 5000           | 10 1/2           | 2 1/2           |
|        |      | Duralast® XC | W-830-DB70-3/4     | S-EHD2-83DB70 3YR             | S-EHD2-83DT70 3YR          | 48       | R-EHD2-83DB70 3YR             | R-EHD2-83DT70 3YR          | 44       | 6500           |                  |                 |
|        |      | Nylast™‡     | W-830-NYB-3/4      | S-EHD2-83NYB                  | X                          | 44       | R-EHD2-83NYB                  | X                          | 39       | 7000           |                  |                 |
|        |      | Plastex†*    | W-830-P-1          | S-EHD2-83PH                   | S-EHD2-83PT                | 32       | R-EHD2-83PH                   | R-EHD2-83PT                | 28       | 6000           |                  |                 |
|        |      | Poly-Soft®   | W-830-SPB-3/4      | S-EHD2-83SPB 3YR              | S-EHD2-83SPT 3YR           | 48       | R-EHD2-83SPB 3YR              | R-EHD2-83SPT 3YR           | 44       | 4000           |                  |                 |
|        |      | Superlast®   | W-830-SYT-3/4      | X                             | S-EHD2-83SYT 3YR           | 71       | X                             | R-EHD2-83SYT 3YR           | 67       | 7000           |                  |                 |
|        |      | Superlast®XC | W-830-SYT70-3/4    | X                             | S-EHD2-83SYT70 3YR         | 71       | X                             | R-EHD2-83SYT70 3YR         | 67       | 7000           |                  |                 |
|        |      | Ultralast™   | W-830-TRB-3/4      | S-EHD2-83TRB 3YR              | S-EHD2-83TRT 3YR           | 48       | R-EHD2-83TRB 3YR              | R-EHD2-83TRT 3YR           | 44       | 6000           |                  |                 |
|        |      | Duralast®    | W-1030-DB-3/4      | S-EHD2-13DB 3YR               | S-EHD2-13DT 3YR            | 56       | R-EHD2-13DB 3YR               | R-EHD2-13DT 3YR            | 52       | 6000           |                  |                 |
| 10     | 3    | Plastex      | W-1030-P-1         | S-EHD2-13PH                   | S-EHD2-13PT                | 42       | R-EHD2-13PH                   | R-EHD2-13PT                | 37       | 5800           | 12 1/2           | 2 1/2           |
|        |      | Poly-Soft®   | W-1030-SPB-3/4     | S-EHD2-13SPB 3YR              | S-EHD2-13SPT 3YR           | 56       | R-EHD2-13SPB 3YR              | R-EHD2-13SPT 3YR           | 52       | 4800           |                  |                 |
|        |      | Ultralast™   | W-1030-TRB-3/4     | S-EHD2-13TRB 3YR              | S-EHD2-13TRT 3YR           | 48       | R-EHD2-13TRB 3YR              | R-EHD2-13TRT 3YR           | 44       | 7000           |                  |                 |
| 12     | 3    | Duralast®    | W-1230-DB-3/4      | S-EHD2-12DB 3YR               | S-EHD2-12DT 3YR            | 92       | R-EHD2-12DB 3YR               | R-EHD2-12DT 3YR            | 88       | 7000           | 14 1/2           | 2 1/2           |
|        |      | Poly-Soft®   | W-1230-SPB-3/4     | S-EHD2-12SPB 3YR              | S-EHD2-12SPT 3YR           | 92       | R-EHD2-12SPB 3YR              | R-EHD2-12SPT 3YR           | 88       | 5600           |                  |                 |
|        |      | Ultralast™   | W-1230-TRB-3/4     | S-EHD2-12TRB 3YR              | S-EHD2-12TRT 3YR           | 92       | R-EHD2-12TRB 3YR              | R-EHD2-12TRT 3YR           | 88       | 7000           |                  |                 |

\* 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.

‡ Straight-sided wheel.

\* This wheel lubricated through lube axle.