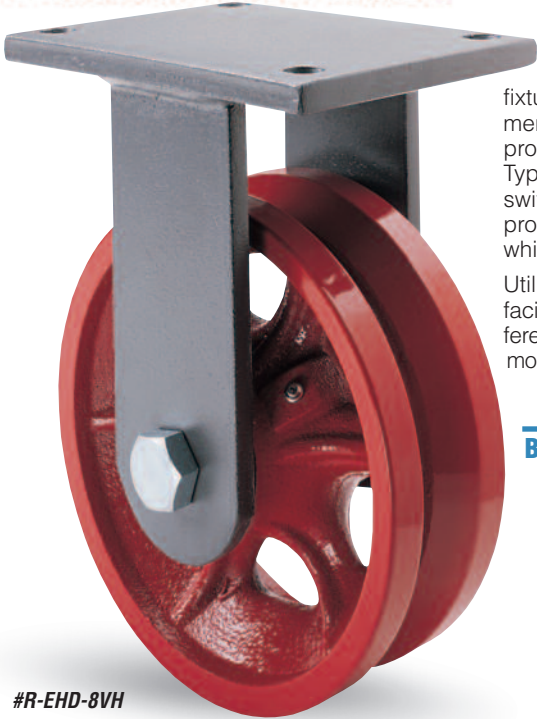


**V-Grooved Wheel Casters**



#R-EHD-8VH

V-Grooved Casters are finding increasing applications on industrial carts, assembly fixtures, containers, racks and other equipment where it is desirable to control direction, protect floors and provide ease of movement. Typical track plans are linear although curves, switches and turntables may be added to provide a multi-directional control system (in which case swivel casters must be used).

Utilizing the V-Grooved Wheels listed on the facing page, the swivel and rigid casters offered below cover a wide range of popular mounting plates, overall heights and capacities.

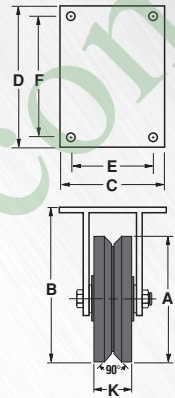
**BRAKE CHOICE** for more help, see page 19



Thumbscrew Brake

**OPTIONAL ACCESSORIES** more help on page 18

- Swivel Lock—4 position (-4SL)
- Wheel Bearing Seals (-BS/-DS)
- Special Overall Height, for most rigid models.
- Custom Engineering  
—Hamilton engineers will custom design any caster to meet customer requirements.



EHD Models still available, simply change "CH" to "EHD".

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

**V Series Selection Table**

Wheel			Swivel Caster			Rigid Caster			Load Cap. Lbs.	Overall Height B	Swivel Offset	Mounting Plate		
Dia. A	Face K	Groove Width	Hamilton No. Roller Brgs.	Hamilton No. Tapered Brgs.	Wt. Lbs.	Hamilton No. Roller Brgs.	Hamilton No. Tapered Brgs.	Wt. Lbs.				Size C x D	Hole Centers E x F	Bolt Size
4	1½	¾	★ S-WW-4V	X	7	★ R-WW-4V	X	6	550	5½	1½	4 x 4½	2½ x 3½ slotted to 3 x 3	¾
		¾	★ S-524-V	X	7	★ R-524-V	X	6	800	5½	1½			
	2	¾	★ S-WH-4V	X	11	★ R-WH-4V	X	7	800	5½	1¼			
5	2	¾	★ S-525-V	X	8	★ R-525-V	X	7	800	6½	1½	4 x 4½	2½ x 3½ slotted to 3 x 3	¾
		¾	★ S-526-V	X	9	★ R-526-V	X	8	900	7½	2½			
		¾	★ S-WH-6V	X	15	★ R-WH-6V	X	12	1000	7½	2			
6	2	¾	★ S-HS-6V	X	17	★ R-HS-6V	X	13	1000	7¾	2¼	4½ x 6½	2¼ x 4¼ slotted to 3½ x 5¼	½
		¾	★ S-GS-6V	X	14	★ R-GS-6V	X	13	900	7½	2	4½ x 6¼	3½ x 5¼	½
		¾	★ S-CH-6VH	S-CH-6VT	33	★ R-CH-6VH	R-CH-6VT	27	2500	8	2¼	5¼ x 7¼	3½ x 5¼	½
	3	1½	★ S-EPSD-63FVH	★ S-EPSD-63FVT	35	★ R-EPSD-63FVH	★ R-EPSD-63FVT	29	4500♣	8½	2½	6½ x 7½	3½ x 5¼	½
		1½	★ S-MD-63FVH	★ S-MD-63FVT	48	★ R-MD-63FVH	★ R-MD-63FVT	40	4500♣	10	2½	8½ x 8½	7 x 7	¾
8	2½	1½	★ S-CH-8VH	S-CH-8VT	34	★ R-CH-8VH	R-CH-8VT	28	2500	10½	2½	5¼ x 7¼	3½ x 5¼	½
		1½	★ S-CH-83FVH	S-CH-83VT	34	★ R-CH-83FVH	R-CH-83FVT	32	3100	10½	2½	5¼ x 7¼	3½ x 5¼	½
	3	¾	★ S-EPSD-83FVH	S-EPSD-83FVT	36	★ R-EPSD-83FVH	R-EPSD-83FVT	30	3100♣	10½	2½	6½ x 7½	3½ x 5¼	½
		1¼	★ S-EPSD-84FVH	★ S-EPSD-84FVT	47	★ R-EPSD-84FVH	★ R-EPSD-84FVT	41	6500	10½	2½	6½ x 7½	3½ x 5¼	½
		1¼	★ S-MD-84FVH	★ S-MD-84FVT	70	★ R-MD-84FVH	★ R-MD-84FVT	56	6500♣	11	2½	8½ x 8½	7 x 7	¾
10	3	1½	★ S-CH-10VH	S-CH-10VT	54	★ R-CH-10VH	R-CH-10VT	48	3000	12½	2½	5¼ x 7¼	3½ x 5¼	½
		¾	★ S-CH-13FVH	S-CH-13FVT	48	★ R-CH-13FVH	R-CH-13FVT	42	3600♣	12½	2½	5¼ x 7¼	3½ x 5¼	½
	4	¾	★ S-EPSD-13FVH	S-EPSD-13FVT	41	★ R-EPSD-13FVH	R-EPSD-13FVT	35	3600♣	12½	2½	6½ x 7½	3½ x 5¼	½
		1¼	★ S-EPSD-104FVH	★ S-EPSD-104FVT	52	★ R-EPSD-104FVH	★ R-EPSD-104FVT	46	7500	12½	2½	6½ x 7½	3½ x 5¼	½
	1¼	★ S-MD-104FVH	★ S-MD-104FVT	78	★ R-MD-104FVH	★ R-MD-104FVT	64	7500♣	13	3	8½ x 8½	7 x 7	¾	

♣ Drop-forged steel. Tapered bearings increase capacity to 10,000 lbs. for 6" x 3", 4,000 lbs. for 8" x 3", 15,000 lbs. for 8" x 4", 4,500 lbs. for 10" x 3", and 16,000 lbs. for 10" x 4".

† Swivel caster top plate is 4" x 5"; Rigid is 4" x 4½".

§ Slotted to 4½" x 6½".

⊛ Slotted to 5½" x 6¼".

**STAINLESS STEEL V-Grooved Casters**

(For higher capacity Stainless V, see page 48)

Wheel			Swivel Caster ▶			Rigid Caster ▶			Load Cap. Lbs.⊛	Overall Height B	Swivel Offset	Mounting Plate		
Dia. A	Face K	Groove Width	Hamilton No.* Prec. SS Ball Brgs.	Hamilton No.⊙ Delrin Bearings	Wt. Lbs.	Hamilton No.* Prec. SS Ball Brgs.	Hamilton No.⊙ Delrin Bearings	Wt. Lbs.				Size C x D	Hole Centers E x F	Bolt Size
3	1½	¾	★ S-STL-3SVB	S-STL-3SVZ	3	★ R-STL-3SVB	R-STL-3SVZ	3	325	4½	1½	2½ x 3½	1¼ x 2½-3	¾
		¾	★ S-STL-4SVB	★ S-STL-4SVZ	4	★ R-STL-4SVB	★ R-STL-4SVZ	4	325	5½	1½			
4	2	¾	★ S-STA-4SVB	★ S-STA-4SVZ	9	★ R-STA-4SVB	★ R-STA-4SVZ	5	850	6	1½	3¾ x 4½	2½ x 3½ slotted to 3 x 3	¾
		¾	★ S-STA-5SVB	★ S-STA-5SVZ	10	★ R-STA-5SVB	★ R-STA-5SVZ	9	800	6½	1½			
5	2	¾	★ S-STA-6SVB	★ S-STA-6SVZ	11	★ R-STA-6SVB	★ R-STA-6SVZ	10	800	7½	2½	3¾ x 4½	2½ x 3½ slotted to 3 x 3	¾
		¾	★ S-STA-8SVB	★ S-STA-8SVZ	12	★ R-STA-8SVB	★ R-STA-8SVZ	11	800	9½	2½			

▶ Available with plain bore wheel: capacity: 4"–325 lbs.; 5", 6", & 8"–800 lbs. Drop final suffix letter "Z"—e.g., S-STL-4SV.

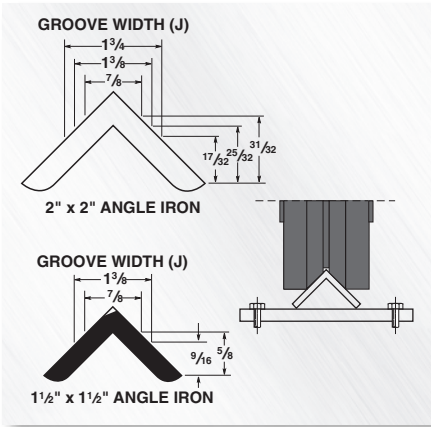
⊙ Capacities with Delrin bearings are slightly lower: 4"–325 lbs.; 5" & 6"–600 lbs.; 8"–700 lbs.

\* Precision Stainless Steel Ball Bearings.

## V-Grooved Wheels

### OPTIONAL ACCESSORIES *more help on page 18*

- **Wheel Bearing Seals**
- **Keyways – and/or set screw(s).**
- **Special Hub Length** – hubs can be cut to provide shorter length, “filler” washers furnished to increase length.
- **Spanner Bushings** – select from pg. 90.
- **Precision Ball Bearings** – double-sealed or shielded, consult factory.



Running V-Grooved Wheels on inverted angle iron track is a popular and low-cost method of taking loads off the floor and creating production-line flow. A relief groove in the “V” assures proper weight distribution and makes wheel and track “self-cleaning”, while a partial flat-tread permits rolling the wheels directly on floors as well.

All cast iron and forged steel (♣) models are offered with plain bore or straight roller bearings while some models also offer precision tapered roller bearings for optimum capacity and performance. However, proper adjustment of tapered bearings precludes side-to-side wheel play. To avoid the necessity for perfectly parallel tracks, directional control can be achieved by using a single track on one side only, and running flat-tread wheels of matching height on the opposite side.

Stainless Steel and *Plastex V-Grooved Wheels* are also available and listed in the charts below.



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

### W-V Series Selection Table

Dia. A	Face K	Hub Length H	Hub Dia. M	Groove Width J	Load Cap. Lbs.	Less Bearings		Straight Roller Bearings		Tapered Roller Bearings		Wt. Lbs.
						Hamilton Model No.	Bore Sizes	Hamilton Model No.	Bearing Sizes	Hamilton Model No.	Bearing Sizes	
4	1½	1¾	1⅞	¾	600	★W-4-VL-1¾	1¾	★W-4-V-	½-¾-¾	X	X	3½
	2	2¾	1⅞	¾	800	★W-420-VL-1¾	1¾	★W-420-V-	½-¾-¾	X	X	4
5	2	2¾	1¾	¾	800	★W-520-VL-1¾	1¾	★W-520-V-	½-¾-¾	X	X	5½
	2	2¼	1¾	¾	1000	★W-6-VL-	1¾ – 1⅞	★W-6-V-	½-¾-¾-1	X	X	7
6	2¾	3¼	3¼	¾	2500	★W-626-VL-	1⅞ – 2⅞	★W-626-V-	1-1¼	W-626-VT-	¾-1-1¼	15
	3♣	3¼	3¾	1¾	4500♣	★W-630-FVL-	1⅞ – 2⅞	★W-630-FVH-	1-1¼-1½	★W-630-FVT-	¾-1-1¼	18
8	2¾	3¼	2¾	1¾	2500	★W-8-VL-1⅞	1⅞	★W-8-V-	1-1¼	W-8-VT-	¾-1	16½
	3♣	3¼	3	¾	3100♣	★W-830-FVL-	2¾ – 2⅞	★W-830-FVH-	1-1¼-1½	W-830-FVT-	¾-1-1¼	20
10	4	4¼	3¾	1¾	6500♣	★W-840-FVL-2⅞	2⅞	★W-840-FVH-	1¼-1½	★W-840-FVT-	1¼-1½	31
	3	3¼	3½	1¾	3000	★W-10-VL-	1⅞ – 2¾	★W-10-V-	1-1¼-1½	W-10-VT-	¾-1-1¼	38
10	3♣	3¼	3	¾	3600♣	★W-1030-FVL-	2¾ – 2⅞	★W-1030-FVH-	1-1¼-1½	W-1030-FVT-	¾-1-1¼	28
	4♣	4¼	3¾	1¾	7500♣	★W-1040-FVL-2⅞	2⅞	★W-1040-FVH-	1¼-1½	★W-1040-FVT-	1¼-1½	39

♣ Drop-forged steel. Tapered bearings increase capacity to 10,000 lbs. for 6" x 3", 4,000 lbs. for 8" x 3", 15,000 lbs. for 8" x 4", 4,500 lbs. for 10" x 3", and 16,000 lbs. for 10" x 4".

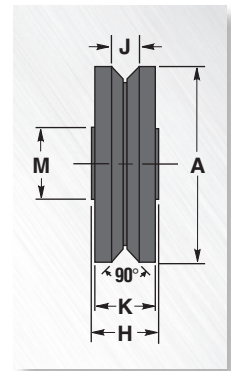
### PLASTEX V-Grooved Wheels

4	1½	1¾	2	¾	380	★W-415-PVL-1¾	1¾	★W-415-PV-¾	¾	X	X	¾
6	2	2¾	2½	¾	750	★W-620-PVL-1¾	1¾	★W-620-PV-¾	¾	X	X	2¼
	2½	3¼	2¾	1¼	1120	★W-625-PVL-1¾	1¾	★W-625-PV-1	1	X	X	4
8	2½	3¼	3½	1¼	1250	★W-825-PVL-1¾	1¾	★W-825-PV-1	1	X	X	6

### STAINLESS STEEL V-Grooved wheels

Dia. A	Face K	Hub Dia. M	Groove Width J	Plain Bore			Delrin Bearings			Stainless Steel Precision Ball Bearings			Wt. Lbs.			
				Hamilton Model No.	Bore Size	Hub Length H	Load Cap. Lbs.	Hamilton Model No.	Brg. Size	Hub Length H	Load Cap. Lbs.	Hamilton Model No.		Brg. Size	Hub Length H*	Load Cap. Lbs.
3	1¾	X	¾	W-313-SV-½	½	1¾	450	W-313-SVZ-½	½	1¾	450	★W-313-SVB-½	½	1¾	450	3
4	1¾	X	¾	★W-413-SV-½	½	1¾	550	★W-413-SVZ-½	½	1¾	600	★W-413-SVB-½	½	1¾	600	5
	2	2	¾	★W-420-SV-¾	¾	2¼	800	★W-420-SVZ-¾	¾	2¼	850	★W-420-SVB-½	½	2½	850	7
5	2	2	¾	★W-520-SV-¾	¾	2¼	900	★W-520-SVZ-¾	¾	2¼	950	★W-520-SVB-½	½	2½	950	10
6	2	2	¾	★W-620-SV-¾	¾	2¼	950	★W-620-SVZ-¾	¾	2¼	1000	★W-620-SVB-½	½	2½	1200	15
8	2	2	¾	★W-820-SV-¾	¾	2¼	1100	★W-820-SVZ-¾	¾	2¼	1000	★W-820-SVB-½	½	2½	1500	27

\* Hub length includes flange dimension of top hat bushings.



To order, add bore or bearing size to Hamilton number. Example: W-10-V-1