

Leveling Plate Casters

Used on equipment that will be moved often but must stay stationary when in use. Each caster has a leveling pad that can be raised to allow it to roll and lowered to prevent it from rolling, and a thumbwheel adjusts the pad's height to level the equipment. All are swivel casters that can rotate 360°, and have impact-resistant nylon wheels. **General purpose** casters are used on furniture and equipment in high-automation manufacturing, medical, retail, and laboratory settings. **High-adjustability extended-stem** casters have long leveling stems and can be adjusted to a greater range of heights than other leveling plate casters to accommodate very uneven floors or raise furniture or equipment high off the ground in areas such as food-processing plants, medical settings, pharmaceutical facilities, packaging and conveying operations, and laboratories. **Quick-engage pedal-style** casters have a foot pedal that users step on to quickly start or stop the casters from rolling. Used on reconfigurable machinery and production lines in heavy manufacturing and industrial applications.

Note: For safety, working load cap. for 4-caster installations should not exceed 2 x individual caster load rating. Example: Working load cap. is 1100 lb. for 4 of 24WK16 (load rating is 550 lb. each).

Wheel Dia.	Load Rating	Mounting Height	Maximum Leveling Height	Mounting Plate Size	Mounting Plate Bolt Hole Pattern	Item No.
General Purpose						
2"	275 lb	3 1/4"	3 1/16"	2 1/8" x 2 1/8"	D	34RU52
	550 lb	3 1/4"	3 3/8"	2 1/8" x 2 1/8"	D	24WK16
	550 lb	4 3/32"	4 1/16"	3 9/16" x 3 9/16"	D	34RU53
2 1/2"	1100 lb	4 1/8"	4 9/16"	3 3/8" x 3 3/8"	D	489A81
2 7/8"	2200 lb	4 1/16"	5 1/4"	3 3/4" x 3 3/4"	D	454N23
3"	880 lb	4 3/4"	5 3/8"	3 3/4" x 3 3/4"	D	34RU54
3 1/2"	4400 lb	5 1/8"	5 1/16"	3 1/2" x 3 1/2"	D	454N24
High-Adjustability Extended-Stem						
2"	220 lb	2 7/8"	4 1/16"	2 1/8" x 2 1/8"	D	34RU55
3"	1100 lb	4 1/32"	6 3/4"	3 3/4" x 3 3/4"	D	34RU57
Quick-Engage Pedal-Style						
3"	440 lb	4 1/16"	4 3/4"	3 1/16" x 3 1/16"	D	489A92

Wheel Dia.	Load Rating	Mounting Height	Mounting Plate Size	Mounting Plate Bolt Hole Pattern	Wheel Bearing Type	Brand	SWIVEL CASTER Item No.	RIGID CASTER Item No.
V-Groove Firm Polyurethane Tread								
4"	350 lb	5 5/8"	4" x 4 1/2"	B	Roller Bearings	—	—	1NWC9
Hard Nylon Tread								
5"	1540 lb	6 1/2"	4" x 4 1/2"	B	Precision Ball Bearings	—	454M81	—
6"	880 lb	7 1/2"	4" x 4 1/2"	B	Precision Ball Bearings	—	454M82	—
Extra-Hard Iron Tread								
4"	700 lb	5 5/8"	4" x 4 1/2"	B	Roller Bearings	—	490V85	490V66
	800 lb	5 5/8"	4" x 4 1/2"	B	Roller Bearings	—	1NWB2	1NWB3
	800 lb	5 5/8"	4" x 4 1/2"	B	Roller Bearings	—	1NWC2	1NWC3
	800 lb	5 5/8"	4 1/2" x 6 1/4"	A	Roller Bearings	—	1NWD5	1NWD6
5"	800 lb	6 1/2"	4 1/2" x 6 1/4"	A	Roller Bearings	—	—	489C14
	900 lb	6 1/2"	4" x 4 1/2"	B	Roller Bearings	—	—	1NWC5
	1000 lb	6 1/2"	4" x 4 1/2"	B	Roller Bearings	—	490V86	—
	800 lb	6 1/2"	4 1/2" x 6 1/4"	B	Roller Bearings	—	490V87	—
6"	1000 lb	7 1/2"	4" x 4 1/2"	B	Roller Bearings	—	1NWC6	1NWC7
	1000 lb	7 1/2"	4 1/2" x 6 1/4"	A	Roller Bearings	—	—	1NWE1
	1000 lb	7 1/2"	5" x 5 1/2"	D	Roller Bearings	—	489C12	489C13
	1000 lb	8"	4 1/2" x 6 1/4"	A	Roller Bearings	—	489C16	—
8"	1200 lb	7 1/2"	4" x 4 1/2"	B	Roller Bearings	—	—	490V68
	1200 lb	7 1/2"	5" x 5 1/2"	D	Roller Bearings	—	—	1NWB5
	2000 lb	7 1/2"	4 1/2" x 6 1/4"	A	Roller Bearings	—	—	1NWE3
	2500 lb	8"	5 1/2" x 7 1/4"	A	Roller Bearings	—	—	1NWE7
10"	1200 lb	10 1/2"	4 1/2" x 6 1/4"	A	Roller Bearings	—	—	489C17
	2000 lb	10 1/2"	4 1/2" x 6 1/4"	A	Roller Bearings	—	—	1NWE5
Extra-Hard Stainless Steel Tread								
4"	800 lb	6"	4" x 4 1/2"	B	Precision Ball Bearings	—	—	1UBL6
6"	800 lb	7 1/2"	3 3/4" x 4 1/2"	B	Precision Ball Bearings	Hamilton	—	1UBL8
Extra-Hard Steel Tread								
5"	1250 lb	6 1/2"	4" x 4 1/2"	B	Precision Ball Bearings	—	—	454M85
	1760 lb	7 3/4"	4 1/2" x 5 1/8"	C	Precision Ball Bearings	—	454M84	—
	1760 lb	7 3/4"	4 1/2" x 6 1/4"	A	Precision Ball Bearings	—	—	455T91
	2500 lb	8"	5 1/4" x 7 1/4"	A	Roller Bearings	Hamilton	52YU11	52YU12
6"	4500 lb	8 1/2"	6 1/2" x 7 1/2"	B	Roller Bearings	Hamilton	52YU11	52YU12
	1650 lb	9 3/8"	4 1/8" x 5 1/8"	C	Precision Ball Bearings	—	454M83	489A50
	2000 lb	9 3/8"	4 1/8" x 5 1/8"	C	Precision Ball Bearings	—	454M83	—
	5000 lb	10 1/2"	6 1/2" x 7 1/2"	B	Roller Bearings	Hamilton	52YU13	52YU14
10"	10000 lb	10 1/2"	6 1/2" x 7 1/2"	B	Tapered Roller Bearings	Hamilton	52YU15	52YU16
	3000 lb	12 1/2"	5 1/4" x 7 1/4"	A	Roller Bearings	Hamilton	52YU09	52YU10
Single-Flange								
Extra-Hard Iron Tread								
3 1/2"	1400 lb	5 3/8"	4 1/2" x 6 1/4"	A	Roller Bearings	Hamilton	—	5VG40
4 1/16"	1500 lb	6 1/8"	4 1/2" x 6 1/4"	A	Roller Bearings	Hamilton	—	5VG41
6 1/8"	2000 lb	8"	5 1/2" x 7 1/4"	D	Roller Bearings	Hamilton	—	5VG08
8"	3000 lb	9 1/2"	5 1/2" x 7 1/4"	D	Roller Bearings	Hamilton	—	5VG09
Extra-Hard Steel Tread								
4 1/2"	3000 lb	7 1/4"	5 1/2" x 7 1/4"	D	Roller Bearings	Hamilton	—	5VG04
5"	4300 lb	8"	5 1/2" x 7 1/4"	D	Roller Bearings	Hamilton	—	5VG06
Dual-Flange								
Extra-Hard Iron Tread								
6"	2500 lb	8"	5 1/2" x 7 1/4"	D	Roller Bearings	Hamilton	—	5VG07
Extra-Hard Steel Tread								
5"	4200 lb	8"	5 1/2" x 7 1/4"	D	Roller Bearings	Hamilton	—	5VG05

HAMILTON® Track-Wheel Plate Casters

Casters have wheels that fit into compatible steel tracks or rails. Mount to containers, racks, carts, and other equipment and provide precise control over movement and alignment when moving the equipment between two locations, such as from one machine to another, into and out of an oven, or between points on an assembly line. All swivel casters have double-ball hardened raceways. **V-groove** have wheels with a V-shaped tread that mates with a compatible angle-iron track. They have flat edges and can roll on flat surfaces. **Single-flange** have wheels with one flange that guides them along a flat track or rail. They create less friction between the wheel and the track or rail than dual-flange track-wheel casters. **Dual-flange** have wheels with two flanges that guide them along a flat track or rail. They maintain their alignment better than single-flange track wheels in applications with impact loads, debris, or obstructions.

Inverted-Mount Plate Casters

Casters are installed with their wheels pointing up to create a low-friction surface for moving bulky and heavy loads. Groups of these casters are mounted in floor recesses in dock areas, airport cargo-loading areas, or aircraft to reduce the effort it takes to move and maneuver large cargo containers on the floor. Can also be mounted on conveyors or portable dollies and fixtures that are used for handling large containers to provide multidirectional movement in transition, infeed, or outfeed sections. All are swivel casters and can rotate 360°, and have precision ball bearings. **5VF59** has a foot guard that prevents toes and feet from slipping into the caster's mounting recesses and causing falls or injuries.

Wheel Dia.	Load Rating	Mounting Height	Mounting Plate Size	Mounting Plate Bolt Hole Pattern	Item No.
General Purpose					
2 1/4"	440 lb	3 3/4"	2 3/4" x 4 3/8"	A	455T85
	450 lb	3 3/4"	3 1/8" x 4 7/16"	H	1F146
2 3/8"	450 lb	3 3/4"	2" x 2 3/4"	F	4W782
2 3/4"	450 lb	4 1/16"	3 1/8" x 4 7/16"	H	1F147
With Foot Guard					
2 1/4"	440 lb	3 3/4"	3 1/8" x 4 3/8"	D	5VF59