



Wheel

Designations:

- 1 = Tread/tire
- 2 = Wheel center/rim
- 3 = Hub
- 4 = Wheel bearing

Dimensions:

- D = Wheel diameter
- d = Axle bore diameter
- T1 = Hub length
- T2 = Wheel width

Wheels consist of tread/tire, wheel center/rim and a wheel bearing.

Depending on their nature, the wheels have different load capacities, rolling resistances and rolling qualities.

The sectional drawings of the wheels included on the product pages show only examples of each series, and may differ, depending on the product range.

Swivel caster

Designations:

- 1-3 = Swivel rig
 - 1 = Top plate fitting
 - 2 = Swivel head (swivel bearing)
 - 3 = Swivel fork
- 4 = Wheel
- 5 = Wheel axle

Dimensions:

- H = Total height/mounting height
- F = Offset
- A, B = Plate dimensions
- a, b = Bolt hole spacing
- d = Bolt hole diameter

Swivel casters rotate vertically and make appliances, etc. maneuverable. A fork (swivel fork) is fitted to the fitting element by a swivel head (swivel bearing).

To enable a smooth swivel motion of the fork, the wheel is generally fitted with a horizontal distance between the axis of the swivel bearing and the wheel (offset).

If correctly dimensioned, the offset allows a smooth swivelling of the caster without additional tools as well as directional stability.

Swivel casters can be equipped with brake systems to lock:

- the rotary motion of the wheel (tread lock)
- the rotary motion of the wheel and the swivel motion of the fork (wheel and swivel head brake)
- the swivel motion of the fork (directional lock).

Rigid caster

Designations:

- 1 = Rigid rig
- 2 = Wheel
- 3 = Wheel axle

Dimensions:

- H = Total height/mounting height
- A, B = Plate dimensions
- a, b = Bolt hole spacing
- d = Bolt hole diameter

Rigid casters provide directional stability for appliances, etc. and cannot be swivelled.

Bushings

Bushings are available for all plain bore, roller bearing and precision ball bearing wheels to allow the use of 3/8", 1/2", 3/4" and 1" axles in caster assemblies. More dimensions and pricing are available upon request.

Product Code	For Axle	Outer Ø	Inner Ø	Total Length	Flange Width
Top Hat Bushing	[inch]	(T1) [mm]	(T2) [inch]	(T3) [mm]	(T4) [mm]
251165	3/8	15	10	15	1
758610	1/2	20	13	20	1.5
467852	3/8	20	10	20	1
758111	3/4	25	19	22	1.5
742069	1	30	25.6	16	1.5

Product Code	For Axle	Outer Ø	Inner Ø	Total Length
Bushing	[inch]	(T1) [mm]	(T2) [inch]	(T3) [mm]
133355	3/8	15	11	46
242057	3/8	15	11	61
133728	1/2	20	13	61
481671	5/16	12	9	47
133363	3/8	15	11	46
280032	5/16	15	9	46