OMNI WHEEL

Polyurethane rollers with a reinforced plastic hub



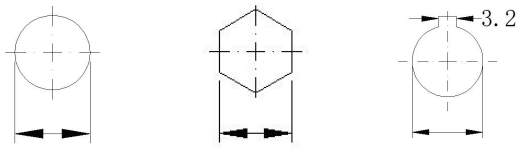
360° movement

The engineered polymer hub combines strength and durability with non-marking polyurethane rollers. The wheel rolls smoothly over floors and supports movement in every direction, giving designers greater flexibility in vehicle layout.

Product benefits

- 360-degree multidirectional mobility
- Non-marking polyurethane rollers
- Improved directional control
- Precise positioning without swivel offset
- No swivel castor misalignment resistance
- Rust-free construction

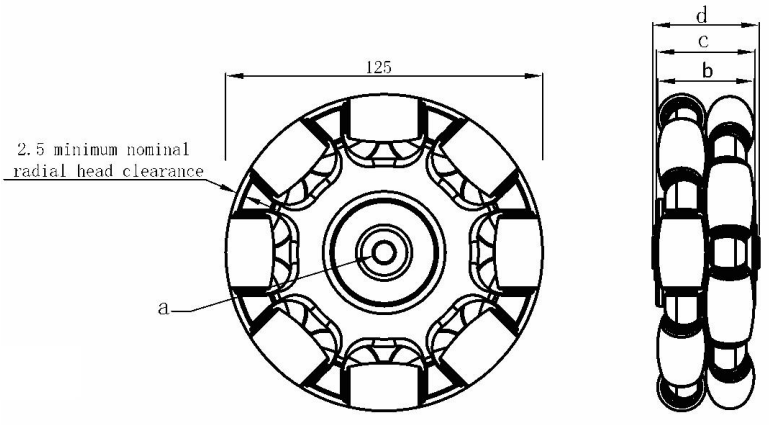
Bushing options



Round Hexagonal Key hole

Dimensions & mounting

b Dual-wheel width: 38 mm
c Hub length without bearing: 39 mm
a Bearing seat bore: Ø22 / Ø28 mm
d Assembled hub length: 40 / 42 mm



All dimensions in mm.
See the selection tables for each configuration.

Specifications

125 mm diameter / 38 mm dual-wheel width / 39 mm hub length (c)

Precision ball bearing

Item number	Bore (mm)	Seat a (mm)	Hub d (mm)
12038305152171	8	Ø22	42
12038305152172	9.52	Ø22	42
12038305152173	10	Ø22	42
12038305152271	12	Ø28	42
12038305152272	12.7	Ø28	42

Plastic bushings

Item number	Bushing type	Bore (mm)	Seat a	Hub d
12038305152281	Round hole	Ø8	Ø28	40
12038305152282	Round hole	Ø9.52	Ø28	40
12038305152283	Round hole	Ø10	Ø28	40
12038305152284	Round hole	Ø12	Ø28	40
12038305152285	Round hole	Ø12.7	Ø28	40
12038305152286	Hexagonal hole	8	Ø28	40
12038305152287	Hexagonal hole	11.1	Ø28	40
12038305152288	Key hole	12.7	Ø28	40

Load capacity per wheel

Lateral: 68 kg (150 lb) Forward: 125 kg (275 lb)

Lateral capacity applies to direct sideways travel without radial head contact. Forward capacity ranges between the lateral and forward limits and varies with travel speed in the primary direction. Both ratings depend on speed and the working environment. Consult the factory for application-specific selection.