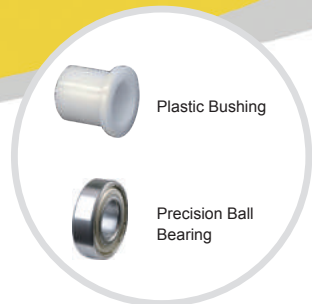
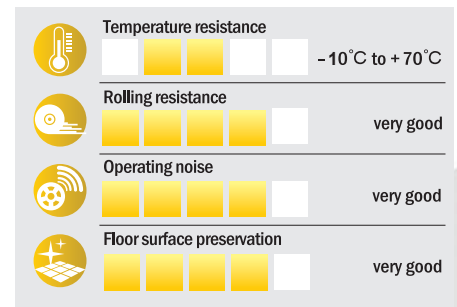


OMNI WHEEL Series

OMNI WHEEL

with Polyurethane roller and engineered reinforced plastic hub





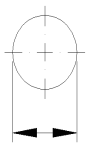
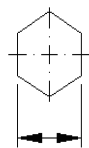
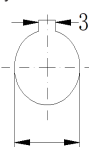
○ Dersheng's Omni wheel use the latest engineered polymer to ensure the strength and durability of the wheel with PU roller. Dersheng's OMNI wheel can roll easily over floors without leaving any mark and due to the nature of polyurethane, it can provide long service life. Due to its 360 degree all direction movement. Dersheng's Omni wheel provide designer with greater flexibility to design the vehicle, Dersheng's Omni wheel will be assembled on.

Benefits:

- 360-degree multi-directional mobility
- Non-marking polyurethane rollers
- Better directional control
- Precise positioning without swivel offset requirements
- No resistance due to misaligned unlike swivel castor wheels
- Rust free



Wheel Type	Wheel Diameter (mm)	Width of Dual wheel (b)(mm)	Bearing Seat Bore (a) (mm)	Hub Length w/o bearing (c) (mm)	Hub Length w/bearing (d) (mm)	Ball Bearing / Plastic Bushing	Bores Size (mm)	Lateral Load Capacity	*Forward Moving Load Capacity	Item Number
	125	38	∅22	39	42	Precision Ball Bearing	8	68 kgs (150 lbs)	125 kgs (275 lbs)	12038305152171
	125	38	∅22	39	42	Precision Ball Bearing	9.52	68 kgs (150 lbs)	125 kgs (275 lbs)	12038305152172
	125	38	∅22	39	42	Precision Ball Bearing	10	68 kgs (150 lbs)	125 kgs (275 lbs)	12038305152173
	125	38	∅28	39	42	Precision Ball Bearing	12	68 kgs (150 lbs)	125 kgs (275 lbs)	12038305152271
	125	38	∅28	39	42	Precision Ball Bearing	12.7	68 kgs (150 lbs)	125 kgs (275 lbs)	12038305152272

Wheel Type	Wheel Diameter (mm)	Width of Dual wheel (b)(mm)	Bearing Seat Bore (a) (mm)	Hub Length w/o bearing (c) (mm)	Hub Length w/bearing (d) (mm)	Ball Bearing / Plastic Bushing	Bores Size (mm)	Lateral Load Capacity	*Forward Moving Load Capacity	Item Number
	125	38	∅28	39	40	Round Hole Bushing 	∅ 8	68 kgs (150 lbs)	125 kgs (275 lbs)	12038305152281
	125	38	∅28	39	40		∅ 9.52	68 kgs (150 lbs)	125 kgs (275 lbs)	12038305152282
	125	38	∅28	39	40		∅ 10	68 kgs (150 lbs)	125 kgs (275 lbs)	12038305152283
	125	38	∅28	39	40		∅ 12	68 kgs (150 lbs)	125 kgs (275 lbs)	12038305152284
	125	38	∅28	39	40		∅ 12.7	68 kgs (150 lbs)	125 kgs (275 lbs)	12038305152285
	125	38	∅28	39	40	Hexagonal Hole Bushing 	8mm	68 kgs (150 lbs)	125 kgs (275 lbs)	12038305152286
	125	38	∅28	39	40		11.1mm	68 kgs (150 lbs)	125 kgs (275 lbs)	12038305152287
	125	38	∅28	39	40	Key Hole Bushing 	12.7mm	68 kgs (150 lbs)	125 kgs (275 lbs)	12038305152288

■ Lateral Load Capacity refers to the maximum load capacity of each wheel to travel directly sideways without radial head contact.

* Forward Moving Load Capacity ranges between the maximum Forward Moving Load Capacity and the Lateral Load Capacity and varies proportionally to speed of the wheel travelling in its primary direction.

★The load cap of Lateral and Forward moving are subject to change due to the change of speed and working environment. For more information, please consult the factory.

