



Hougen Ltd
Bespoke Mobility Solutions



HJC5000

5000 Kg Jacking Castor

HJC5000 Jacking Castor

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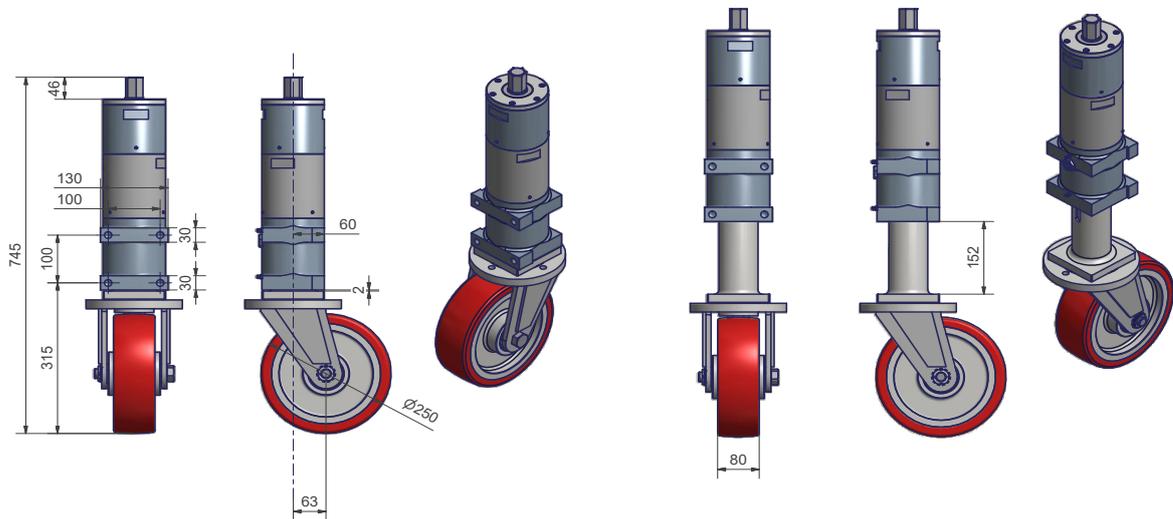
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Operating Instructions



HJC5000 - 5000 Kg Jacking Castor

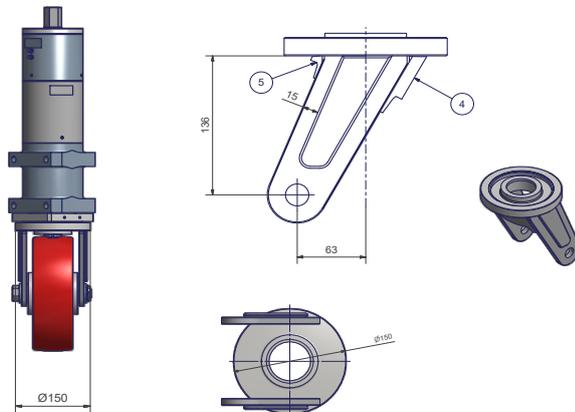
Dimensional information



Key dimensions

Overall height closed	745mm
Overall height extended	897mm
Wheel diameter	250mm
Wheel tread width	80mm
Swivel radius	197mm
Offset	63mm
Fixing plate centres	100x100mm
Fixing bolt	M16
Jacking lift	150mm
Hexagon drive A/F	30mm

Castor plate arrangement



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Material List

Jacking Castor Body & Ram	EN8 080M40
Castor Forks	S275
Internal Bushing	Bronze
Wheel Material	Cast Nylon 66
Wheel bore	Nachi Japanese Taper Roller Bearings with double lip seals
Swivel & Screw arrangement	Nachi Japanese Taper Roller Bearing

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Load information

Dynamic load
5000 Kg

Running surface considerations

Running surfaces have to be smooth, flat, free of obstacles greater than 5mm in height, free of thresholds, ramps & chemicals that may degrade the cast nylon wheel.

Temperature range

From -30 to +45 Degrees Centigrade
Load capacity and performance will be impaired at the higher and lower values stated
Please contact technical support for details

Hougen Jacking Castors are supplied fully greased

Grease nipples are fitted on the wheel and jacking unit for maintenance

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Operating Instructions

Inspect the jacking castor before use
Ensure the jacking surface is stable level and capable of taking the load
Only raise or lower the jack when in a static position

Raising & lowering the jacking castors on trolleys

When raising multiple jacking castors, care must be taken to ensure load stability is maintained
Raise each jack a small amount as the load is transferred across the jacking castors operating in unison
Extra care must be taken when lowering the jacking castors as the load transfer can be more pronounced
Lower each jack a small amount as the load is transferred across the jacking castors operating in unison

Moving the jacking castors

Always inspect the wheels and ensure swivel head is functioning correctly before use
Ensure the running surface is free from debris, thresholds, ramps and chemicals that may attack the cast nylon wheel
Ensure the load to be moved is evenly mounted and the load is evenly distributed over the castors

Based on a 4 jacking castor arrangement only

Dynamic load limitations for safe operation

If the surface is uneven then the total load should not exceed the dynamic load capacity with a safety factor of 2 castors
Jacking Castors rated at 5000 Kg dynamic have a maximum dynamic load of 10,000 Kg
Load should be evenly spread all 4 jacking castors should be in contact with the running surface

Rolling resistance information

Starting resistance approx 2.0% of the total load
Rolling resistance approx 1.2% of the total load