Revolving lathe centre with pressure indicator, Morse taper: 3

Order data

Order number	321750 3
GTIN	4019208017112
Item class	35R

Description

Version:
- **The adjusting pressure (clamping force) is directly readable on the manometer sight glass in daN.**
- **The live centre, which is supported by a disc-spring pack, has a long spring travel.**
- **Short sturdy design with active longitudinal axis. Live centre through hardened and finish ground.**
- **Maximum accuracy due to precision roller bearings.**
- **With special seal against dirt and coolant ingress, maintenance-free due to lifetime lubrication.**

Point angle 60°.
Description:
Lathe centres are mainly used on lathes to support long and slim workpieces, since with these workpieces there would otherwise be a risk of the workpiece bending or moving around as a result of the forces generated.
The lathe centre is secured with a Morse taper. The workpiece is clamped in the chuck and a counterbore is added using a centre drill. After re-clamping, the lathe centre is then inserted.
Application:
Whenever **the clamping force has to be kept within certain limits,**either to prevent deformation of the component or to ensure secure clamping with sufficient pressure.
- **As a tailstock centre in conjunction with hydro-mechanical face drivers No. 327451 – 327541 because the drive teeth have to dig into the component.**
- **For components that expand significantly due to high machining heat.**
- **For clamping long slender components to prevent lateral displacement.**
- **For clamping heavy components where a controlled clamping force is required.**

Body ∅ D: 64 mm
Reach B: 105 mm

largest centre point ∅ 60° A: 11 mm
largest centre point ∅ 30° A: 25 mm
maximum radial run-out: 0.01 mm
for workpiece weight: 400 kg

Technical description

maximum radial run-out	0.01 mm
Body ∅ D	64 mm
largest centre point ∅ 30° A	25 mm
for workpiece weight	400 kg
Morse taper	MT3
largest centre point ∅ 60° A	11 mm
maximum axial clamping force	550 daN
Reach B	105 mm
Type of product	Centring drill