

Feed and lead screw lathes that impress with their rugged design and simple handling.

Facts that impress in terms of quality, performance and price

- ▶ Hardened and ground z-axis guideway
- ▶ Precision slide
- ▶ DC 24 Volt electrical system
- ▶ Motor circuit switch
- ▶ Main motor electrically braked
- ▶ Guaranteed true running accuracy of spindle nose ≤ 0.015 mm
- ▶ Free moving feed gear with rounded gear wheels running in an oil bath
- ▶ Hardened main spindle borne on adjustable, precision taper roller bearings
- ▶ Clockwise/anti-clockwise rotation switchable on bed slide
- ▶ Two-channel safety electronics
- ▶ Handwheels with adjustable fine scaling 0.04 / 0.02 mm
- ▶ Safety hand wheels with release function acc. to EN23125 in the X and Z axis
- ▶ Switch rod on the bed slide for selection of longitudinal or cross feed
- ▶ Switch with lifecycle calculation, approved in line with EN ISO 13849
- ▶ Machine base with rugged steel design
- ▶ Quadruple tool holder
- ▶ Emergency stop button right and left on machine base

TM 3310V:

- ▶ CSS Constant cutting speed



TM 3310V Digital position display DPA 32



- User-friendly membrane keyboard, splash water protected, sealed and dazzle free

- › CSS Constant cutting speed
- › LED display
- › Greater operation accuracy
- › Clear reduction of manufacturing times
- › Reduction of error quota
- › X, Y/Z0, Z axis each with 8-digit display
- › Sensor supplied for acquiring spindle speeds
- › Three measuring inputs can be evaluated with seven correction memory stores each for tools

TM 3310D Digital position display DPA 31



Information see page 238



Fig.: TM 3310D

Arguments,...



LED MACHINE LAMP

- › Dazzle-free, integrated into chip guard



USER-FRIENDLY MEMBRANE KEYBOARD

- › Lockable main switch
- › Control on
- › Direct run spindle
- › EMERGENCY-STOP push button



SPINDLE SEAT

- › The spindle is designed as Camlock DIN ISO 702- 2 no.4 seat

LATHE CHUCK

- › Three-jaw lathe chuck $\varnothing 160$ mm
Camlock no. 4 in standard scope of delivery



CHIP TRAY

- › Pull-out chip tray with guide rails

Technical specifications, accessories and dimensions

Model	TM 3310	TM 3310D	TM 3310V
Article no.	3403020	3403025	3403027
Power			
Electrical connection	400 V / 3 Ph ~50 Hz		
Spindle			
Drive motor	1.5 kW		
Spindle taper	MK5		
Spindle seat	Camlock DIN ISO 702- 2 No. 4		
Spindle bore, bar passage diameter	Ø 38 mm		
Turning tool size max.	16 mm		
Work areas			
Centre height	165 mm		
Centre width	1 000 mm		
Swing Ø above machine bed ⁽²⁾	330 mm		
Swing Ø above cross slide	216 mm		
Speed range			
Spindle speeds	65 - 2 000 rpm	14 - 2 800 rpm	
Number of speeds	9 stages	6 gear stages	
Traverse paths			
Top slide	90 mm		
Cross slide	168 mm		
Bed slide	850 mm		
Feed and pitches			
Longitudinal feed within the range	0.02 - 0.4 mm/rev (24 feeds)		
Cross feed within	0.01 - 0.2 mm/rev (32 feeds)		
Pitch - metric in range	0.4 - 10 mm/rev (29 pitches)		
Pitch - inch in range	56 - 4 turns/inch (27 pitches)		
Tailstock			
Tailstock seat	MT3		
Sleeve diameter / travel	Ø 38 mm / 100 mm		
Dimensions and weight			
Length x width x height	1 760 x 745 x 1 320 (DPA 1 590) mm		
Net weight	469 kg	471 kg	470 kg

Lathe chucks and accessories

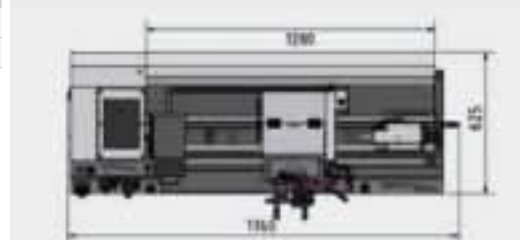
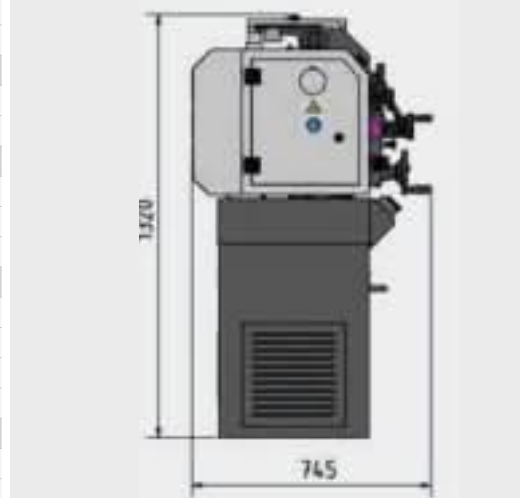
Lathe chuck Ø 200 mm Camlock DIN ISO 702-2 No. 4	Article no.
OPTIMUM Three-jaw lathe chuckcentric clamping	3442762
OPTIMUM Four-jaw lathe chuck, individually clamping	3442879
BISON Three-jaw lathe chuck, centric clamping	3450310
BISON Four-jaw lathe chuck, centric clamping	3450360

Information on lathe chuck from page 222

Accessories	Article no.
Quick change tool holder SWH 3-E	3384303
SWH 3-E factory assembly	9000400
Lathe tool set 16 mm, 11-part	3441604
Lathe tool set 16 mm, 5-part	3441668
Lathe tool set 16 mm, 5-part "Made in Germany"	3441216
Lathe tool set 16 mm, 5-part	3441610
Travelling steady rest, passage Ø 10 - Ø 70 mm	3441469
Fixed steady rest, passage Ø 10 - Ø 70 mm	3441470
Position stop with fine adjustment	3441475
Vibration-damper machine foot SE 55 (6 units required)	3352981
Clamping disc Ø 300 mm Camlock DIN ISO 702-2 No. 4	3442976

More accessories and information on accessories from page 219

Dimensions



Our recommendation

cleancraft
flexCAT 378 EOT-PRO
Article no. 7003380



Scope of delivery

- › Three-jaw lathe chuck Ø 160 mm Camlock No. 4
- › LED machine lamp
- › Adapter MT 5-MT 3
- › Non-revolving centre tip MT 3
- › Quadruple tool holder 16 mm
- › Interchangeable gear set
- › Machine base
- › Machine initially filled with premium grade oil
- › Operating tool

(1) Explanation of the transport surcharge see page 326
(2) General notes on the operation of our machines see page 325