

Precision feed and lead spindle lathes comply with strictest requirements in terms of technical equipment and precision. With digital position display **NEWALL** DP 700

Facts that impress in terms of quality, performance and price

- ▶ Machine bed and chassis made heavily ribbed cast material
- ▶ Single-part steel machine chassis
- ▶ High degrees of rigidity of the spindle bar housing thanks to pronounced ribbing made of 25GG cast material
- ▶ All feed gearwheels made of steel, hardened and polished
- ▶ shafts on needle bearings, all components lubricated in oil bath
- ▶ Hardened and polished spindle guarantees high degrees of accuracy and durability
- ▶ The powerful machining performance means that a high level of chip removal during roughing work is no problem
- ▶ Easy to service thanks to removable rear panel
- ▶ Energy chain for material-friendly cable and hose guiding
- ▶ Lockable chip guard moves with the bed slide with integrated position indicator and coolant hose, manually adjustable
- ▶ Decoupled hand wheels approved in line with EN 23125
- ▶ Two-channel CW/CCW switch approved in line with EN 23125
- ▶ No interchangeable gears required
- ▶ Switch with lifecycle calculation, approved in line with EN ISO 13849
- ▶ With safety device to prevent simultaneous operation of thread cutting and pitch mechanism
- ▶ Hardened and polished bed guides
- ▶ Electronically braked motor
- ▶ Electronic feed shut-off of Z axis
- ▶ All electronic controls centrally accessible
- ▶ Working area completely illuminated
- ▶ External coolant tank with filling level display and oil separator
- ▶ Complete feed and lead spindle cover
- ▶ Electrical position shut-off with quadruple positioning stop
- ▶ Three-jaw lathe chuck included in standard scope of delivery
- ▶ Quick change tool holder SWH 7-C
- ▶ Tool holder 32 x 130 type D for square chisels 25 mm

Digital position display DP700

(For more information, see „NEWALL - DP700“ on page 244)

TX 5216:

Large spindle bore Ø 80 mm

TX 6222:

Large spindle bore Ø 105 mm

Centralised, user-friendly operation on touch panel



- › Pitch deactivation using button
- › Feed bar drive
- › Rapid motion X and Y axis
- › Machine lamp
- › Cooling agent

Control Cabinet

- › 24 Volt DC Power Supply
- › All contactors und relays by Siemens or Schneider

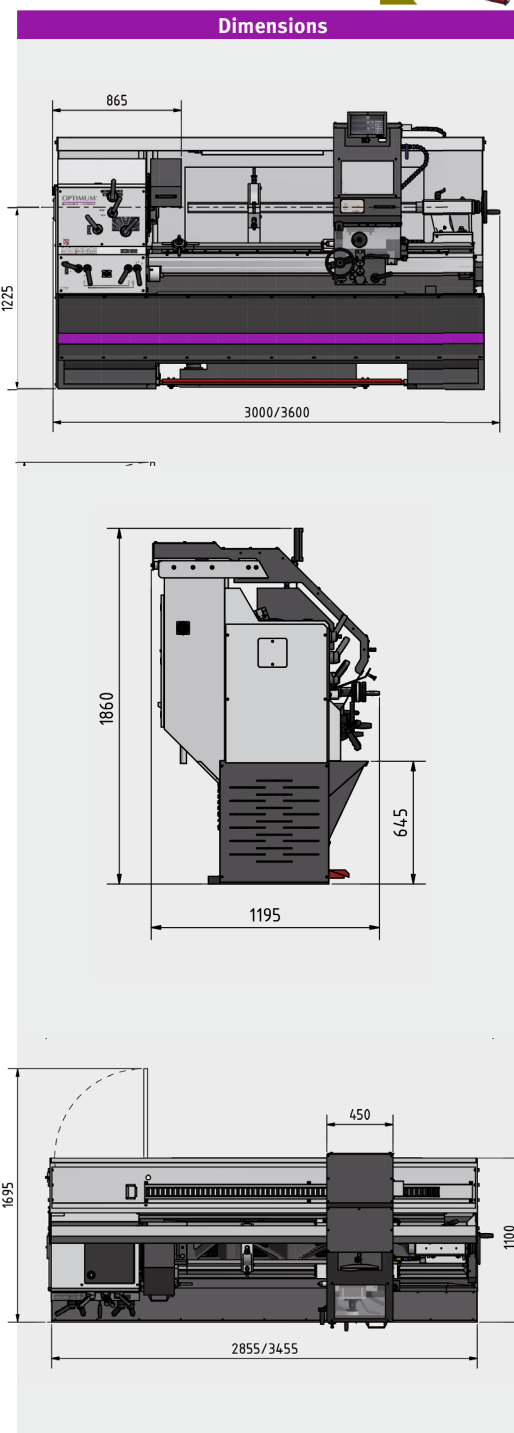


Fig. TX 5216

Technical specifications, accessories and dimensions

Model	TX 5216	TX6222
Article no.	3432440	3432460
Technical specifications		
Electrical connection	400 V / 3 Ph ~50 Hz	
Total rated value	6.1 kW	8.5 kW
Coolant pump motor	100 W	
Spindle		
Drive motor	5.5 kW	7.5 kW
Spindle taper	MT 7	Ø 113 mm (taper 1:20)
Spindle seat	Camlock DIN ISO 702-2 No. 8	
Spindle bore, bar passage diameter	Ø 80 mm	Ø 105 mm
Quick change tool holder	SWH 7-C	
Technical specifications		
Centre height	260 mm	310 mm
Centre width	1 600 mm	2 220 mm
Swing Ø over machine bed	520 mm	620 mm
Swing over cross slide	324 mm	424 mm
Bed width	350 mm	
Speed range		
Spindle speed	30 - 1 500 rpm	40 - 1 650 rpm
Number of speeds	12 speeds	
Travel		
Top slide travel	170 mm	
Cross slide travel	350 mm	
Feeds and pitches		
Longitudinal feed within the range	0.05 - 1.5 mm/rev (55 feeds)	
Cross feed within	0.025 - 0.75 mm/rev (55 feeds)	
Metric pitch	0.5 - 15 mm/rev (55 pitches)	
Pitch - inch in range	60 - 2 turns/inch (55 pitches)	
Diametral pitch in range	7/8 - 160 Gg/π (42 gears)	
Modular thread in range	0.25 - 7.5 mm x π (55 thread)	
Tailstock		
Tailstock seat	MT 5	
Tailstock quill diameter/stroke	Ø 72 mm/ 180 mm	
Dimensions		
Length	3 000 mm	3 600 mm
width x height	1 195 x 1 860 mm	1 194 x 1 860 mm
Weight	2 470 kg	2 800 kg

Accessories	Art no.
TX5216	
Follow rest passageway 15 - 125 mm	3438020
Steady rest passageway 10 - 185 mm	3438023
Steady rest passageway 160 - 285 mm	3438024
Lathe tool set HM 20 mm (see as of Page 188)	3441670
Lathe tool set HM 20 mm, extension kit (see page 188)	3441617
TX6222	
Follow rest passageway 15 - 125 mm	3438030
Steady rest passageway 10 - 185 mm	3438033
Steady rest passageway 160 - 285 mm	3438034
Lathe tool set HM 25 mm, extension kit (see page 188)	3441672
Lathe tool set HM 25 mm (see page 188)	3441623
Accessories	
Art no.	
Clamping disc Ø 450 mm no. 8	3442982
Travelling centre MT 5	3440705
BISON co-travelling centre MT 5	3451005
Vibration damping machine base SE 3 (6 pcs. required)	3381018
› More accessories for lathes from page 180	



Scope of supply

- › Three-jaw lathe chuck Ø 315 mm no. 8
- › Fixed centre MT 5 long
- › Fixed centre MT 5 short
- › Operating tool
- › Machine initially filled with premium grade oil
- › Quick change tool holder SWH 7-C
- › Tool holder for square chisels 32 x 130 type D for 25 mm square chisels

TX 5216:

- › Reduction sleeve MT 7 / MT 5

TX 6222:

- › Reduction sleeve Ø 113 mm/MT 5