

Center lathe and center lathe

OPTIturn TM 4010

Leading and tensioning spindle lathes impress with their sturdy construction and easy handling. TM 4010D with digital position indicator DPA 21

OPTIMUM[®]
MASCHINEN - GERMANY

Article number ▼

3403040

Brand ▼

Optimum

Catalog directory ▼

Metalworking machines » Lathes
conventional » OPTIturn TM 4010 / TM
4010D



Shipping informations ▼

Packaging Metrics		Weights		Delivery		Other	
Length	1,700 mm	Gross	846 kg	Delivery	Carrier	DualUse	✘
Width	1,930 mm	Net	765 kg	Content	1 pc(s).	SCIP	n/a
Height	920 mm					SVHC	No



Description ▼

- Hardened and ground Z-axis guideway
- Spindle mount Camlock DIN ISO 702-2 No. 5
- Guaranteed concentricity of the spindle nose better than 0.015 mm
- Gears and shafts hardened and ground, running in an oil bath in precision bearings
- Tailstock with hardened and ground quill
- DC 24 Volt - electrics
- All gears of the feed gear made of steel, hardened and ground, shafts on needle bearings All components are lubricated in an oil bath
- Right / left rotation on bed sled switchable
- Safety handwheels with release function in the X and Z axis
- Emergency stop device
- Perfectly concentric Main spindle guarantees high load capacity thanks to mounted precision tapered roller bearings
- Hinged chip compartment for easy chip removal from the front
- Machine base in stable steel construction
- Coolant pump with coolant reservoir and level indicator. Removable container for easy cleaning
- With safety device against simultaneous operation of threading and feed mechanism
- Handwheels, decoupled and tested to EN 23125
- Switch with life cycle calculation tested according to EN ISO 13849
- LED machine lamp in chip protection
- Motor electrically braked
- Three-jaw chuck Ø 200 mm, No. 5 in the standard scope of delivery
- User-friendly membrane keyboard
- Two-channel right-left switch, tested to EN 23125

Delivery content ▼

- Three-jaw lathe chuck Ø 200 mm, no. 5
- Quick change tool holder 3-E
- Fixed steady 7 - 102 mm
- Travelling steady 10 - 60 mm
- Reduction sleeve MT 6 - MT 4
- Fixed centre MT 4
- Machine initially filled with premium grade oil
- Operating tool

Media informations ▼



Control cabinet

- 24 Volt DC power supply
- All contactors and relays from SIEMENS or Schneider



Membrane keypad

- User-friendly membrane keypad with the functions: Machine on, coolant pump, light and direct run



Chip tray

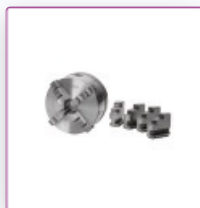
- Extendable
- Easy chip cleaning from the front

Technical data ▾

Dimensions and weights			
Length (product) approx.	1935 mm	Width/depth (product) approx.	780 mm
Height (product) approx.	1740 mm	Net weight approx.	765 kg
Work areas			
		Max. height	200 mm

Explanation Swing diameter above planing slide	Please note that when installing third-party lathe chucks or faceplates to achieve the specified technically possible turning diameter, operator modifications are required.		
Max. width	1000 mm	Swing diameter above machine bed	400 mm
Swing diameter above planing slide	250 mm		
Speed range			
Number of gears	8	Speed range	70 – 2000 min ⁻¹
Electrical Data			
Drive motor output	2,2 kW	Supply voltage	400 V
Mains frequency	50 Hz		
Cooling lubricant system			
Cooling lubricant system coolant pump output	100 W		
Spindle			
Spindle chuck	Camlock DIN ISO 702-2 No.5	Spindle bore/rod passage diameter	53 mm
Spindle cone	MT 6	Tool holder	SWH 3-E
Tailstock			
Tailstock chuck	MT 4	Tailstock quill stroke	110 mm
Pitches			
Metric pitch	0,4 – 7 mm/rev	Number of metric pitches	32
Imperial pitch	56 – 4 Gg/1"	Number of imperial pitches	31
Travel			
Travel upper slide	98 mm	Travel cross slide	185 mm
Travel carriage saddle	850 mm		
Feed			
Longitudinal feed range	0,014 – 0,38 mm/rev	Number of longitudinal feeds	26
Flat feed range	0,052 – 1,392 mm/rev	Number of flat feeds	32
Tool clamping			
Tool holder chuck size	16 mm		
Electrical connections			
Total rated value	3,0 kW		

Accessories ▼



OPTIMUM four-jaw lathe chuck Cast Camlock, centre clamping

Ø 200 mm Camlock DIN ISO 702-2 No. 5

Article number ▼

3442845

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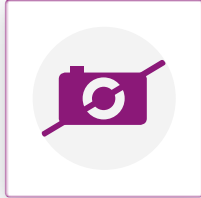
**OPTIMUM four-jaw lathe chuck Cast Camlock,
single clamping**

Ø 200 mm Camlock DIN ISO 702-2 No. 5

Article number ▼

3442880

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**BISON three-jaw lathe chuck Camlock casting
centre clamping**

Ø 200 mm Camlock DIN ISO 702-2 No. 5

Article number ▼

3450315

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**BISON four-jaw lathe chuck Cast Camlock
centric exciting**

Ø 200 mm Camlock DIN ISO 702-2 No. 5

Article number ▼

3450365

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**Spare steel holder
20 x 100 type D**

Article number ▼

3384304

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**Spare steel holder
30 x 100 type H**

Article number ▼

3384322

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**Turning tool set
16 mm, 11 parts**

Article number ▼

3441604

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Turning tool set
HM 16 mm, 5-part
With carbide inserts
Article number ▼
3441668

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Turning tool set
HM 16 mm, 5-part "Made in Germany"
Article number ▼
3441216

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Turning tool set
HM 16 mm, 5-part
Article number ▼
3441610

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Face plate
Ø 320 mm Camlock DIN ISO 702-2 No. 5
Article number ▼
3442979

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Position stop
Micro
Article number ▼
3441475

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Internal turning set
5-piece
Article number ▼
3441650

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Clamping block set for lathes
16-05
Article number ▼
3440653

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Twist drill HSS with Morse taper
MT 3

Article number ▼
3051003

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Collet chuck
5C - No. 5

Article number ▼
3441555

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Collet set
SPC 5C

Article number ▼
3441509

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Revolving centering point
MT 3

Article number ▼
3440703

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Revolving centering point
MT 3

Article number ▼
3440733

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Internal turning set
12 mm

Article number ▼
3441641

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Center drill set
10tlg. 0.75-4.5 mm HSS

Article number ▼
3203010

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Clamping block set for lathes 20-05

Article number ▼
3440654

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Revolving centering point MT 4

Article number ▼
3451004

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Vibration damper machine foot SE 55

Article number ▼
3352981

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Leveling plate SE 1

Article number ▼
3381012

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