

Leading and feed spindle lathe

OPTiturn TH 3309D

Fully equipped guide and traction spindle lathes. TH 3309D with digital position indicator DPA 21, TH 3309V with continuous speed control and digital position indicator DPA 21

OPTIMUM
MASCHINEN - GERMANY

Article Number ▼

3402040

Additional Costs ▼

Total 89.00 €

TVP1 19.00 €

TPZ500 70.00 €

Availability ▼

In stock

Availability on request

Brand ▼

Optimum

Catalog Path ▼

Metalworking machines » Lathes conventional » OPTiturn
TH 3309 / TH 3309D / TH 3309V

Order ▼

Minimum 1 pc(s).

Shipment Informations ▼

Packaging Metrics		Weights		Delivery	
Length	1,710 mm	Gross	560 kg	Delivery	Carrier
Width	760 mm	Net	450 kg	Content	1 pc(s).
Height	1,520 mm				

Description ▼



- Hardened and ground Z-axis guideway
- Spindle mount Camlock DIN ISO 702-2 No. 4
- Precisely crafted sled
- Handwheels with adjustable fine scale 0.04 / 0.02 mm
- Quadruple tool holder
- All guides can be adjusted by wedge strips
- Main spindle running in oil bath
- Gear wheels smooth, hardened and ground
- Adjustment range upper slide $\pm 90^\circ$
- Guaranteed concentricity of the spindle nose better than 0.015 mm
- Handwheels decoupled and tested according to EN 23125
- Safety handwheels with release function in the X and Z axis
- Two-channel right-left switch tested to EN 23125
- DC 24 volt electrical system with two-channel safety circuit according to EN 23125
- Lathe chuck protection tested according to EN 23125
- Switch with life cycle calculation, tested according to EN ISO 13849
- Lockable main switch
- Right / left rotation on bed sled switchable
- Leading spindle
- Tailstock for taper turning ± 10 mm adjustable
- Tailstock quill and handwheel with adjustable fine scale 0.02 mm
- Fast, easy and tool-free adjustment by means of a clamping lever
- Strongly ribbed prism bed, induction hardened and precision ground
- Machine base with tool compartment on the right side (left side with 3 panels (no compartments))
- Extractable chip tray with guide rails
- Emergency stop device with foot control
- LED machine lamp integrated in chip protection

TH 3309D / TH 3309V

• Digital position indicator DPA 21

- User-friendly membrane keypad, splash-proof, closed and glare-free
- glass scales

Delivery Contents ▼

- Steady rest passageway $\varnothing 6 - 50$ mm
- Follow rest passageway $\varnothing 8 - 30$ mm
- LED machine lamp
- Reduction sleeve MT 5 - MT 3
- Two fixed centres MT 3
- Quadruplicate tool holder 16 mm
- Replaceable gear set
- Machine chassis
- Machine initially filled with premium grade oil
- Operating tool

Do not forget the lathe chuck

Technical Data ▼

Dimensions and weights			
Length (product) approx.	1685 mm	Width/depth (product) approx.	745 mm
Height (product) approx.	1590 mm	Net weight approx.	512 kg
Work areas			
Max. height	165 mm	Max. width	830 mm
Swing diameter above machine bed	330 mm	Swing diameter in bed bridge	170 mm
Swing diameter above planing slide	196 mm	Turning length in bed bridge	430 mm
Speed range			
Number of gears	16	Speed range	70 – 2000 min ⁻¹

Electric Data			
Drive motor output	1.5 kW	Supply voltage	400 V
Phase(s)	3 Ph	Current type	AC
Mains frequency	50 Hz		
Spindle			
Spindle chuck	Camlock DIN ISO 702-2 No. 4	Spindle bore/rod passage diameter	38 mm
Spindle cone	MT 5	Tool holder max. chuck height	16 mm
Tailstock			
Tailstock chuck	MT 3	Tailstock quill stroke	110 mm
Tailstock quill diameter	32 mm		
Pitches			
Metric pitch	0.4 – 7 mm/rev	Number of metric pitches	26
Imperial pitch	56 – 4 Threads/1"	Number of imperial pitches	34
Travel			
Travel X axis	98 mm	Travel Y axis	164 mm
Feed			
Longitudinal feed range	0.052 – 1.392 mm/rev	Number of longitudinal feeds	32
Flat feed range	0.014 – 0.38 mm/rev	Number of flat feeds	32

Accessories ▼



OPTIMUM Three-jaw lathe chuck centre clamping

Ø 160 mm Camlock DIN ISO 702-2 No. 4

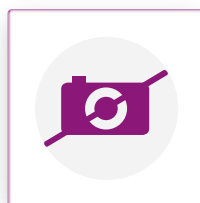
Article Number ▼
3442761

Availability ▼
In stock
Immediate delivery

Order ▼
Minimum 1 pc(s).

Price Informations ▼

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Position stop with fine adjustment for lathe TH3309

Article Number ▼
3441522

Availability ▼
In stock
Immediate delivery

Order ▼
Minimum 1 pc(s).

Price Informations ▼

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Spare steel holder 30 x 100 type H

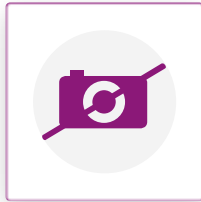
Article Number ▼
3384322

Availability ▼
In stock
Immediate delivery

Order ▼
Minimum 1 pc(s).

Price Informations ▼

OPTIMUM®
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Twist drill set HSS with Morse cone MK 3

Article Number ▼
3051003

Availability ▼
In stock
Immediate delivery

Order ▼
Minimum 1 pc(s).

Price Informations ▼

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Revolving centering point MT 3

Article Number ▼
3440733

Availability ▼
In stock
Immediate delivery

Order ▼
Minimum 1 pc(s).

Price Informations ▼

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Turning tool set HM 16 mm, 5-part "Made in Germany"

Article Number ▼
3441216

Availability ▼
In stock
Immediate delivery

Order ▼
Minimum 1 pc(s).

Price Informations ▼

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Universal collet 5C

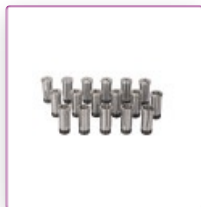
Article Number ▼
3441506

Availability ▼
In stock
Immediate delivery

Order ▼
Minimum 1 pc(s).

Price Informations ▼

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Collet set SPC 5C

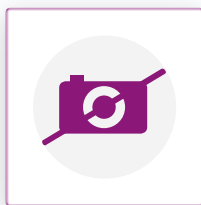
Article Number ▼
3441509

Availability ▼
In stock
Immediate delivery

Order ▼
Minimum 1 pc(s).

Price Informations ▼

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Lining flange Ø 160 mm Camlock DIN ISO 702-2 No. 4

Article Number ▼
3441512

Availability ▼
In stock
Immediate delivery

Order ▼
Minimum 1 pc(s).

Price Informations ▼

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Lining flange Ø 200 mm Camlock DIN ISO 702-2 No. 4

Article Number ▼
3441513

Availability ▼
In stock
Immediate delivery

Order ▼
Minimum 1 pc(s).

Price Informations ▼

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OPTIMUM Three-jaw lathe chuck centre clamping

Ø 200 mm Camlock DIN ISO 702-2 No. 4

Article Number ▼
3442762

Availability ▼
In stock
Immediate delivery

Order ▼
Minimum 1 pc(s).

Price Informations ▼

OPTIMUM®
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OPTIMUM four-jaw lathe chuck Cast Camlock, centre clamping

Ø 160 mm Camlock DIN ISO 702-2 No. 4

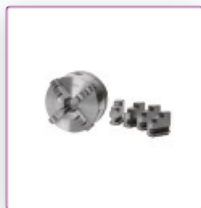
Article Number ▼
3442840

Availability ▼
In stock
Immediate delivery

Order ▼
Minimum 1 pc(s).

Price Informations ▼

OPTIMUM®
MASCHINEN - GERMANY



OPTIMUM four-jaw lathe chuck Cast Camlock, centre clamping

Ø 200 mm Camlock DIN ISO 702-2 No. 4

Article Number ▼
3442843

Availability ▼
In stock
Immediate delivery

Order ▼
Minimum 1 pc(s).

Price Informations ▼

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Collet chuck 5C - No. 4

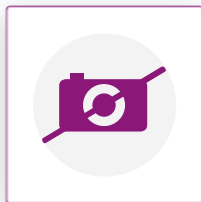
Article Number ▼
3441554

Availability ▼
In stock
Immediate delivery

Order ▼
Minimum 1 pc(s).

Price Informations ▼

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OPTIMUM four-jaw lathe chuck Cast Camlock, single clamping

Ø 200 mm Camlock DIN ISO 702-2 No. 4

Article Number ▼
3442879

Availability ▼
In stock
Immediate delivery

Order ▼
Minimum 1 pc(s).

Price Informations ▼

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Face plate Ø 300 mm Camlock DIN ISO 702-2 No. 4

Article Number ▼
3442976

Availability ▼
In stock
Immediate delivery

Order ▼
Minimum 1 pc(s).

Price Informations ▼

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BISON three-jaw lathe chuck Camlock casting centre clamping

Ø 160 mm Camlock DIN ISO 702-2 No. 4

Article Number ▼
3450305

Availability ▼
In stock
Immediate delivery

Order ▼
Minimum 1 pc(s).

Price Information ▼

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Turning tool set 16 mm, 11 parts

Article Number ▼
3441604

Availability ▼
In stock
Immediate delivery

Order ▼
Minimum 1 pc(s).

Price Information ▼

OPTIMUM®
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BISON three-jaw lathe chuck Camlock casting centre clamping

Ø 200 mm Camlock DIN ISO 702-2 No. 4

Article Number ▼
3450310

Availability ▼
In stock
Immediate delivery

Order ▼
Minimum 1 pc(s).

Price Information ▼

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BISON four-jaw lathe chuck Cast Camlock centric exciting

Ø 160 mm Camlock DIN ISO 702-2 No. 4

Article Number ▼
3450355

Availability ▼
In stock
Immediate delivery

Order ▼
Minimum 1 pc(s).

Price Information ▼

OPTIMUM®
MASCHINEN - GERMANY



BISON four-jaw lathe chuck Cast Camlock centric exciting

Ø 200 mm Camlock DIN ISO 702-2 No. 4

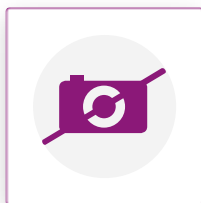
Article Number ▼
3450360

Availability ▼
In stock
Immediate delivery

Order ▼
Minimum 1 pc(s).

Price Information ▼

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Factory assembly and adaptation SWH

Article Number ▼
9000400

Availability ▼
Order-related
purchase

Order ▼
Minimum 1 pc(s).

Price Information ▼

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Turning tool set HM 16 mm, 5-part

Article Number ▼
3441610

Availability ▼
In stock
Immediate delivery

Order ▼
Minimum 1 pc(s).

Price Informations ▼

OPTIMUM®
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Hollow spindle stop HSP 38 Spindle-Ø 35 - 42 mm

For lathe chuck

Article Number ▼
3444410

Availability ▼
In stock
Immediate delivery

Order ▼
Minimum 1 pc(s).

Price Informations ▼

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Turning tool set HM 16 mm, 5-part

With carbide inserts

Article Number ▼
3441668

Availability ▼
In stock
Immediate delivery

Order ▼
Minimum 1 pc(s).

Price Informations ▼

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Universal coolant device

Article Number ▼
3351999

Availability ▼
In stock
Immediate delivery

Order ▼
Minimum 1 pc(s).

Price Informations ▼

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Clamping block set for lathes 16-05

Article Number ▼
3440653

Availability ▼
In stock
Immediate delivery

Order ▼
Minimum 1 pc(s).

Price Informations ▼

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Digital position indicator DRO 5

Digital 3-axis position indicator for milling machines and lathes with speed display

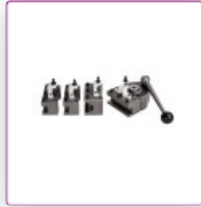
Article Number ▼
3383975

Availability ▼
In stock
Immediate delivery

Order ▼
Minimum 1 pc(s).

Price Informations ▼

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Quick change tool kit

SWH 3 - E

Repeat accuracy 0.01 mm

Article Number ▼

3384303

Availability ▼

In stock

Immediate delivery

Order ▼

Minimum 1 pc(s).

Price Informations ▼

OPTIMUM[®]
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Leveling plate

SE 2

Article Number ▼

3381016

Availability ▼

In stock

Immediate delivery

Order ▼

Minimum 1 pc(s).

Price Informations ▼

OPTIMUM[®]
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Spare steel holder

20 x 100 type D

Article Number ▼

3384304

Availability ▼

In stock

Immediate delivery

Order ▼

Minimum 1 pc(s).

Price Informations ▼

OPTIMUM[®]
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Revolving centering point

MT 3

Article Number ▼

3440703

Availability ▼

In stock

Immediate delivery

Order ▼

Minimum 1 pc(s).

Price Informations ▼

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