

CONVENTIONAL TURNING MACHINES

Series WDR 440/490

HIGHLIGHTS

- Compact design with heavy-duty base frame
- Machine has one offset
- Strong lathe bed with hardened and ground bed guides
- Max. Speed up to 1.000 rpm
- Motor spindle brake
- Fixed stops
- Powerful tailstock with quick clamping
- Tailstock with quill feed 1:1 or 1:4



TECHNICAL DATA AT A GLANCE

Machine type	 mm	 mm	 mm/min	 kW
WDR 440	880/640	1.100 - 8.000	105/1.000 (155-230)	12 (15) (22)
WDR 490	980/740	1.100 - 8.000	105/800 (155-230)	12 (15) (22)

Further information on the machine series and numerous accessories can be found on our website:
<https://www.wagner-maschinen.de/en/turning/conventional-lathes>

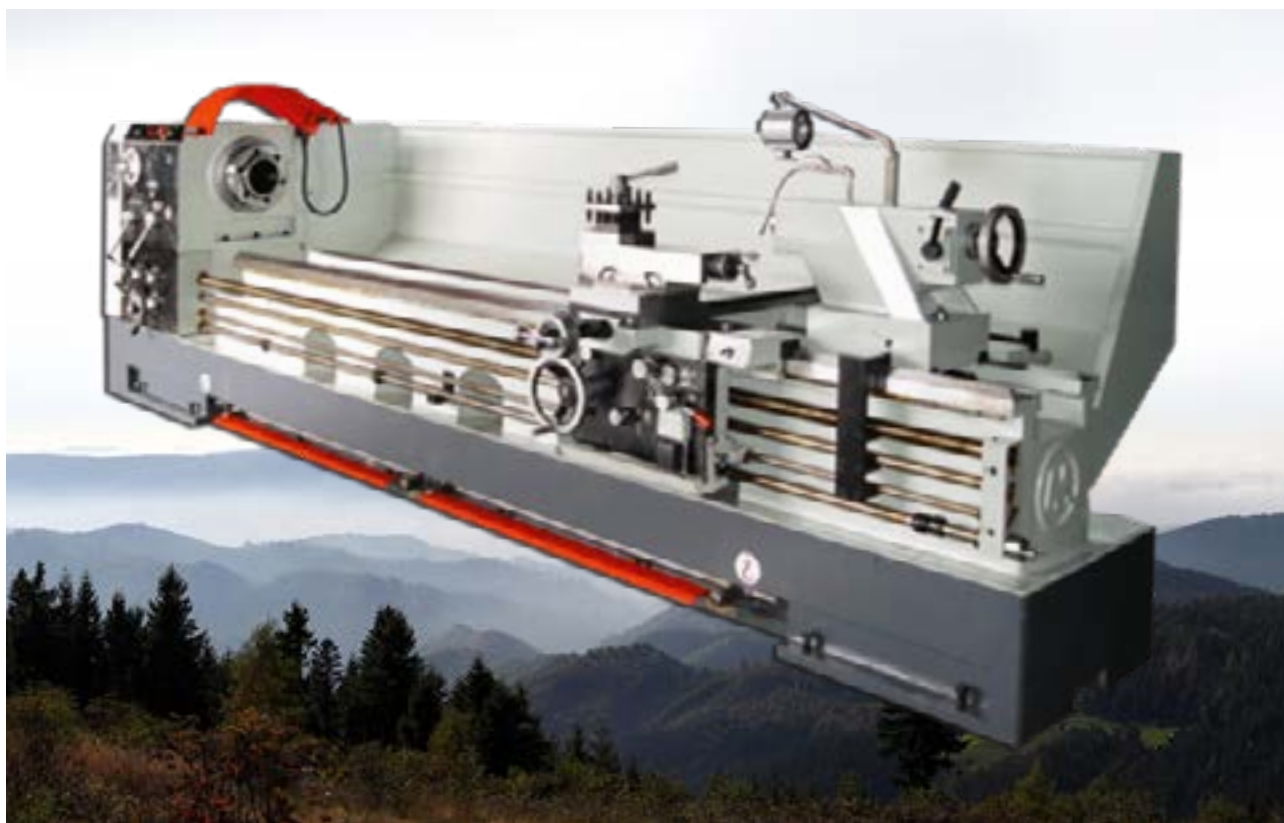
UNIVERSAL TURNING MACHINE WDR 440/490

WDR 440×1000/1500/2000/3000/4000/5000/6000

Order no.: 601194/601195/601196/601197/601191/601198/601199

WDR 490×1000/1500/2000/3000/4000/5000/6000

Order no.: 601200/601201/601202/601203/601204/601205/601219



ALL HIGHLIGHTS AT A GLANCE

- Compact design with heavy-duty base frame
- Turning length up to 8.000 mm
- Machine has an offset
- Powerful lathe bed with hardened and ground bed guides
- Maximum speed up to 1.000 rpm
- Spindle bore up to 230 mm (optional)
- Motorised spindle brake
- Fixed stops
- Powerful tailstock with quick clamping
- Tailstock with quill feed 1:1 or 1:4
- Machines are available as geared machines available with 12 gear stages

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TECHNICAL DATA WDR 440/490

- Centre height, mm 440/490
- Swing Ø over bed mm 880/980
- Swing Ø over gap, mm 1170/1,270
- Swing Ø over cross slide, mm 640/740
- Centre width, mm 1.100-8.000
- Bed width, mm 458
- Spindle bore, mm 105 (155)
- Weight with spindle bore 105 mm overhung, kg 600
with tailstock, kg 1.700
with tailstock and 1 steady rest, kg 2.700
with tailstock and 2 steady rests, kg 4.000
- Weight with spindle bore 155 mm overhung, kg 1.000
with tailstock, kg 2.000
with tailstock and 1 steady rest, kg 3.000
with tailstock and 2 steady rests, kg 5.000
- Spindle nose A 2-11
- Gear stages 12
- Speed range, rpm 12-1.000/12-800
- Longitudinal feed, mm/rev 0.05-0.7
- Transverse feed, mm/rev 0.025-0.35
- Thread pitches:
metric, mm 8-14
Withworth Gg/1' 2-28
Module, mod. 0.5-7
Diametral pitch, DP 4-56
- Cross slide, mm 390/490
- Top slide, mm 240
- Drive power, kW 12 (15) (22)
- Quill stroke, mm 210
- Quill diameter, mm 105
- Cone MK 6
- Dimensions (LxWxH),
mm 2.700 - 11.700x1.250x1.500/1.550
- Weight, kg 3.300 - 11.900

STANDARD EQUIPMENT WDR 440/490

- Hardened and ground bed guides
- Spindle stop with brake motor in accordance with CE
- Rotating chuck protection electrically fused
- Spindle nose Camlock DIN 55029
- Chip guard on steel holder
- Rear chip guard
- Thread gauge
- Complete coolant system
- LED machine light
- Central lubrication for gearbox and guides
- Complete electrical equipment 400 V./50 Hz.
- Operating tools and operating instructions
- CE standard

SPECIAL EQUIPMENT WDR 440/490

- Rapid traverse
- 3-axis digital readout
- Spindle motor 15 kW
- Spindle motor 22 kW
- Larger spindle bore 155/230 mm
- Taper turning device
- Fixed steady rest 70-250 mm
- Fixed steady rest 150-380 mm
- Fixed steady rest 300-520 mm
- Moving steady rest 30-120 mm

DETAIL PICTURES



Lining



Machine



Headstock

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We reserve the right to make design changes in the course of technical improvements. Illustrations, dimensions and weights are not binding.