Technical data

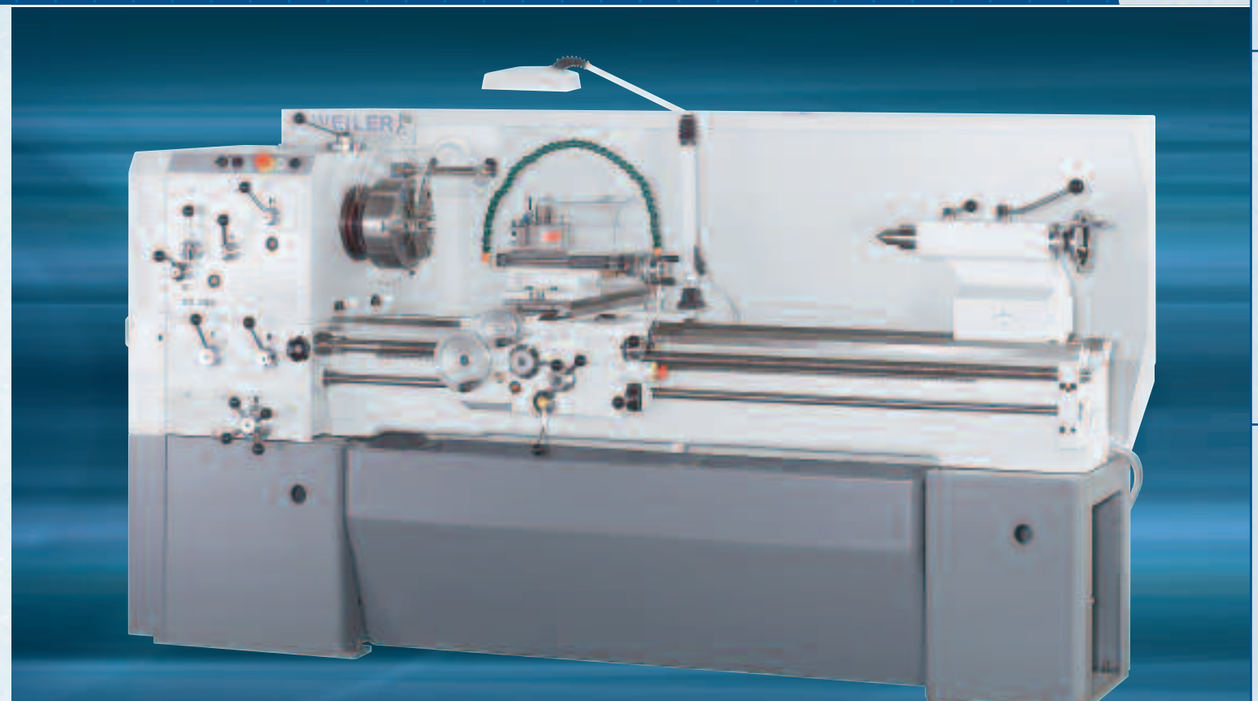
Long-term precision and operating convenience

Standard equipment DA
- Coolant attachment
- Rear splash guard
- Multisuisse quick-change toolpost size B incl. 1 toolholder
- Chuck guard with limit switch monitoring
- Chip deflector
- Change gearbox door with limit switch monitoring
- Bedstops with micrometer screw
- Tailstock quill with twist stop and ejection slot
- Taper bush for main spindle MT 4 (DA 210) MT 5 (DA 260)
- Male centre MT 4 (DA 210) MT 5 (DA 260)
- Grease pump
- Set of wrenches
- Instruction manual with spare parts list
- Machine card
- Textured paint NCS

Optional accessories
- Three and four jaw chucks
- Special working voltages
- Machine lighting
- Rapid traverse for longitudinal and transverse axes
- Two-speed main motor
- Digital readout
- Insulation for the tropics
- Independent four jaw chucks
- Back plates
- Driver plates with protection rim

Electrical equipment DA 210/260
- Brake motor with brake lifting magnet
- Working voltage 3 x AC 400 V N / PE / 50 Hz
- Control voltage 230 V AC
- Contractor control accomodated in a lockable control cabinet
- Protection against inadvertent restart in case of voltage failure
- Safety switch for L.H./R.H. rotation of main spindle
- Emergency stop button at headstock and apron
- Lockable main switch
- Protection of the main motor by means of temperature sensor
- Electric system in accordance with VDE 0100/0113

Technical data		DA 210	DA 260
Working range			
► Distance between centres	mm	1000/1500	1000/1500/2000
► Centre height	mm	210	260
► Swing over bed	mm	435	535
► Swing in bed recess	mm	470	560
► Swing over cross slide	mm	245	345
► Width of bed	mm	330	330
► Cross slide travel	mm	330	330
► Top slide travel	mm	120	120
► Cross section of turning tool (height x width)	mm	25 x 25	25 x 25
Main drive			
► Drive power at 100 %	kW	5.5	7.5
► Max. torque at main spindle	Nm	900	1200
Main spindle			
► Spindle nose acc. to DIN 55027	size	6	6
► Spindle dia. in front bearing	mm	83	100
► Spindle bore	mm	52	71
► Taper in spindle nose	mm	metric 57	metric 76
► Speed range	rpm	44-2000	33-1500 44-2000 optional
► Number of speeds		12	12
Feed range			
► Longitudinal	mm/rev.	0.072-4	0.072-4
► Transverse	mm/rev	0.036-2	0.036-2
Tailstock			
► Quill diameter	mm	65	65
► Quill travel	mm	120	120
► Quill taper DIN 228	MT	4	5
Thread cutting range			
► Metric threads	mm	0.5-28	0.5-28
► Inch threads	TPI	56-1	56-1
Workpiece weights			
► With chuck max.	kg	150	200
► With tailstock max.	kg	500	800
► With steady rest max.	kg	700	1000
Weights	kg	1300/1550	1510/1760/2050



Models DA 210 and DA 260

Universal-lathes
DA 210 and DA 260

WEILER

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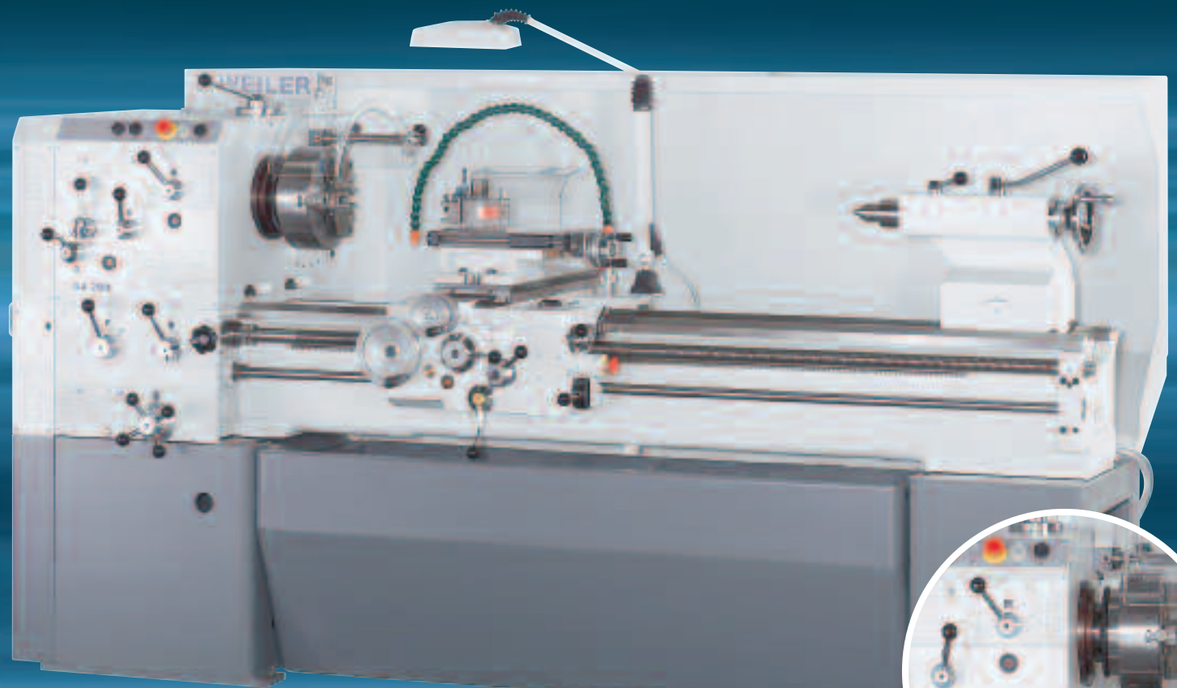
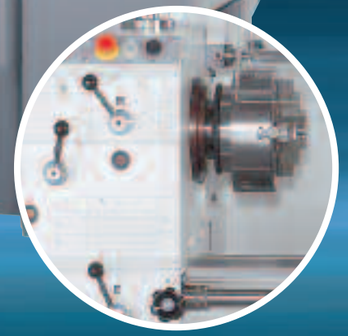
Service
Radial drilling machines
CNC lathes
Cycle-controlled lathes
Conventional/Servo-conventional Lathes

Model DA 210 and DA 260

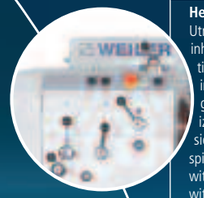
The advantages of the conventional range are ultimate precision and operating convenience as well as refined technology



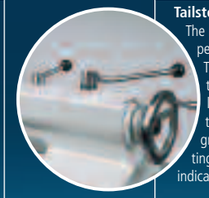


Model DA 210 and DA 260

Standard design

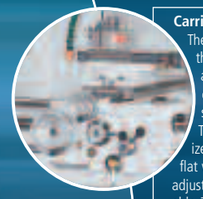


Headstock
Utmost turning accuracy and rigidity is inherently enabled by the robustly proportioned main spindle and precision bearing. Case-hardened and finely ground gears ensure that running noise is minimized. All gears in the 12 stage transmission run in an oil bath. The hardened spindle head is executed as a short taper with bayonet attachment in accordance with DIN 55027. The forward and reverse movement of the main spindle is switched on and off through a safety trip lever on the support.



Tailstock
The tailstock is robustly constructed and equipped with a one-lever quick-clamping device. The tailstock guideways are independent of those of the bed slide. The tailstock can be laterally shifted on its base plate to enable the turning of thin tapers. The hardened and ground sleeve is formfitted to prevent twisting. The adjustment setting of the sleeve is indicated on a graduated ring.

Main drive/electrics
The centrifugal clutch attached to the motor ensures the soft start of the main spindle. A brake on the motor reliably and quickly stops the main spindle. The switch cabinet is fixed to the rear side of the machine. Other voltages are optionally available.



Carriage, cross and top slide
The longitudinal and transverse feed as well as the split nut are switched through two levers which are interlocked into each other. All gears in the apron as well as the worm located on the feed shaft run in an oil bath. To enable stops to be moved against without rebound, a handlever adjusted sliding clutch is installed to act on the longitudinal and transverse feed. The bed and cross slides are lubricated through a hand-pumped centralized lubrication. High accuracy is ensured through the support's 90 degree flat vee-guides. The transverse and top slides run in dovetail guides that are adjusted through vee-strips. The play of the top and cross slide nuts is adjustable. The guideways are protected by dirt wipers.

Machine bed
High stability during machining is guaranteed through a generously dimensioned grey cast bed that prevents torsion and flection. High precision and a long life is ensured through inductively hardened and finely ground guideways. Efficient chip removal is provided through the large dimensioned chip space. The high volume chip collection tray is removable for easier handling. A recess in front of the headstock allows an even larger turning diameter.

Optional accessories

Pictures may deviate from the standard version.

Follower rest

Mounting of the digital read out
The scales and feed lines for the DRO (option) are optimally protected against damage in the working area of the machine through covers and a cable chain.

Increased safety and advantages for the operator	Further optional accessories	Important details
► EMERGENCY STOP buttons on the headstock and apron ► Chuck guard monitored through limit switch ► Change gear door monitored through limit switch ► Automatic braking of the main spindle ► Restart protector in case of a power cut ► Set of wrenches ► Instruction manual with spare parts lists ► Machine card ► Test certificate	► Quadruple drum stop ► Transverse stop (not possible with DRO) ► I.D. back stop ► Steady rest with roller or sliding jaws ► Follower rest with sliding jaws ► Rotating center ► Dividing device for multiplex threads ► Rear tool holder ► Taper turning attachment ► Copying attachment ► Quick-clamping attachments ► Machine installation fixtures	► Robust, highest quality construction ► Permanently guaranteed precision ► Extremely easy to use ► High machining performance ► High resale value ► Reliable service and spare parts supply ► Long lifetime