



Turnado 230/1000 with 3-axis position indicator is shown



See this machine
in action on
YouTube



For more machines of this series with infinitely variable speed adjustment, visit our website

- Cost-effective, lasting value
- Practically arranged control panel with ergonomic layout of selection levers
- Camlock spindle mount D1-6 and D1-8
- Wide bed, ground and hardened
- Offset tailstock for taper turning
- Large number of thread leads
- Removable gap bridge for machining of large diameter
- Stop spindle with adjustable travel stops



Turnado V: Constant cutting speed for flawless surfaces

Online: Turnado V models with infinitely variable speed control up to 3000 rpm (www.knuth.com)

- Back gearing, first-class control technology and a powerful headstock motor allow a wide range of speeds and high torque for powerful machining
- The extensive features of the X.Pos position indicator (catalog page 301) are complemented here with a digital speed indicator and an easy to program auxiliary function Constant speed - During face turning, the spindle speed automatically adapts to the changing workpiece diameter – the constant cutting speed at the cutting edge of the turning tool ensures superior turning results with a quality comparable to CNC lathes



Large steady and follow rests are included

Standard Equipment

3-axis position indicator, 3-jaw chuck Ø 250 mm (Turnado 230), 3-jaw chuck Ø 315 mm (Turnado 280), 4-jaw face plate chuck Ø 300 mm (Turnado 230), face plate Ø 450 mm (Turnado 280), quick tool changer head, quick change tool holder, coolant system, follow and steady rests, stop spindle, fixed splash guard (wall), chuck guard, foot brake pedal, LED work lamp, reducing sleeve, dead center, thread gauge, operating tools, operator instructions

Options	Part No.
• Quick-Set Spindle Bore Stop Size 9 79-91mm	103025
• Oscillation element LK 6	103332
• 4-Jaw Lathe Chuck Steel 315 mm	146483

For additional options for this machine, visit our website and search for Turnado.

Specifications Turnado		230/1000	230/1500	230/2000	280/1500	280/2000
Working area						
Workpiece length (max.)	mm	1.000	1.500	2.000	1.428	1.928
Turning diameter over bed	mm	460	460	460	560	560
Turning-Ø over support	mm	224	224	224	355	355
Turning diameter over gap bridge	mm	690	690	690	785	785
Gap bridge length	mm	155	155	155	170	170
Bed width	mm	300	300	300	350	350
Travels						
Travel X-axis	mm	285	285	285	316	316
Travel Z1-axis	mm	128	128	128	130	130
Swing range of top slide		± 52°	± 52°	± 52°	± 52°	± 52°
Headstock						
Spindle speed	1/min	(12) 25 - 2.000	(12) 25 - 2.000	(12) 25 - 2.000	(12) 25 - 1.600	(12) 25 - 1.600
Spindle bore	mm	58	58	58	80	80
Spindle mount		Camlock D1-6	Camlock D1-6	Camlock D1-6	Camlock D1-8	Camlock D1-8
Spindle taper	MT	6	6	6	7	7
Feed						
Feed X-axis	mm/R	0,014 - 0,784	0,014 - 0,784	0,014 - 0,784	0,02 - 0,573	0,02 - 0,573
Feed Z-axis	mm/R	0,031 - 1,7	0,031 - 1,7	0,031 - 1,7	0,059 - 1,646	0,059 - 1,646
Tapping						
Tapping, metric	mm	(47) 0,1 - 14	(47) 0,1 - 14	(47) 0,1-14	(47) 0,2 - 14	(47) 0,2 - 14
Tapping, diametric	DP	(50) 4-112	(50) 4-112	(50) 4-112	(50) 4-112	(50) 4-112
Tapping, module	mm	(39) 0,1 - 7	(39) 0,1 - 7	(39) 0,1 - 7	(39) 0,1 - 7	(39) 0,1 - 7
Tapping, whitworth	TPI	(60) 2-112	(60) 2-112	(60) 2-112	(60) 2-112	(60) 2-112
Tailstock						
Tailstock quill diameter	mm	60	60	60	75	75
Tailstock taper	MT	4	4	4	5	5
Tailstock quill stroke	mm	120	120	120	180	180
Tailstock traverse adjustment	mm	± 13	± 13	± 13	± 12	± 12
Drive capacity						
Motor rating main drive	kW	5,5	5,5	5,5	5,5	5,5
Measures and weights						
Overall dimensions (length x width x height)	m	2,2x1,08x1,34	2,75x1,08x1,34	3,25x1,08x1,34	2,84x1,15x1,34	3,34x1,15x1,46
Weight	kg	1.720	1.970	2.100	2.370	2.720
Part No.		320555	320558	320557	320559	320560