

Technical data

Machine type	HAUSER S 35-400	
Work range		
Range of adjustment X,Y	mm	500 x 300
Vertical adjustment of the grinding head (W)	mm	450
Clearance between the grinding motor (45S) and the table	mm	0 - 500
Distance between the spindle centre and the column	mm	365
Ground diameter (with grinding wheel 100 mm):		
• without extension plate	mm	max. 230
• with extension plate	mm	max. 360
Taper grinding, included angle (divergent and convergent)	degree	max. 16°
Table		
Effective surface	mm	600 x 380
6 T-slots, width	mm	10
Admissible load	kg	max. 300
Feeds		
Table and cross slide X,Y		
• Machining speed	mm/min	0 - 2'000
• Traversing speed	mm/min	0 - 2'000
Vertical traversing speed W		
• Machining speed	mm/min	0 - 2'000
• Traversing speed	mm/min	4'000
Grinding spindle		
Spindle sleeve diameter	mm	100
The machine is prepared for the following grinding spindle speeds:		
• Infinitely adjustable and programmable grinding motors	min-1	4'500 - 80'000
• Grinding turbine adjustable up to	min-1	130'000
Planetary speed, C axis:		
• Infinitely adjustable and programmable planetary drive	min-1	5 - 300
• Follow-up mode, AC servo drive	min-1	up to 20
Alternating speed, Z axis, infinitely adjustable:		
• Alternating stroke motion, infinitely adjustable	mm/min	V min. 0,500, V max. 14'000
• Stroke frequency Z	Hz	max. 5
• Stroke length Z, infinitely adjustable	mm	max. 110
Radial fine feed, U axis	mm	up to 5,5
Accuracy		
Positional uncertainty of the axes X,Y and W (approached from ± direction):		
P corresponding to VDI/DGQ 3441	mm	0,002

All specifications and designs are subject to alterations without notice

L. Kellenberger & Co. AG

Heiligkreuzstrasse 28
9009 St.Gallen / Switzerland
Phone +41 (0)71 242 91 11
Fax +41 (0)71 242 92 22
www.kellenberger.net
info@kellenberger.net

L. Kellenberger & Co. AG

Längfeldweg 107
2500 Biel-Bienne 8 / Switzerland
Phone +41 (0) 32 344 11 52
Fax +41 (0) 32 341 13 93
www.kellenberger.com