Technical data

Wheelhead type		**UR**	**R**
Main specifications			
Distance between centres	mm	800 / 1000	
Grinding length	mm	600 / 1000	
Centre height	mm	175	
Weight of workpiece between centres	kg	100	
Load on chucked work	Nm	100	
Mains voltage required		3 x 400 V / 50 Hz / 3 x 460 V / 60 Hz	
Power consumption depending on equipment	A	35 – 63	
Space required / length x width	mm	3010 x 2050 / 3600 x 2050	
Longitudinal slide: Z-axis			
Travel	mm	750 / 1150	
Rapid traverse speed	m/min	15	
Resolution	µm	0.1	
Swiveling range of upper table	degree	9 / 9	
Wheelslide: X-axis			
Travel	mm	320	
Rapid traverse speed	m/min	7.5	
Resolution	µm	0.1	
Swivel devices			
B-axis		standard	
Resolution	sec	0.1	
Swiveling range	degree	240	
Fixed intermediate section			standard
Wheelhead general			
Drive motor water-cooled	kW	7.5	
Peripheral grinding wheel speed	m/s	35 / 45	
Wheelhead UR			
Grinding wheel dimensions, lefthand side	mm	400 / 500	
Grinding wheel dimensions, righthand side	mm	300 / 400	
Wheelhead R			
Grinding wheel dimensions, lefthand side	mm		500
Internal grinding attachment			
Bore for spindles up to	mm	120	
HF spindles MFV, optional	kW	5.2 / 8	
Workhead standard			
Rotational spindle speed	min-1	8 – 800	
Driving torque spindle	Nm	30	
Spindle nose / internal taper		DIN 55026 # 5 MK 5 / ASA 5	
Swiveling range option	degree	– 10 + 100	
Tailstock			
Internal taper		MT 4	
Retraction of sleeve	mm	48	
Micro-adjustment optional	µm	+ / – 60	
CNC control system			
Heidenhain		GRINDplusIT	
Measuring systems			
Gap Control		KEL-TOUCH	
Active longitudinal positioning		Movomatic	
Passive longitudinal positioning		Movomatic	
In-process gauging		Movomatic	
Balancing		KEL-BALANCE	