PamtonSchnell

Machine Name : Cylindrical grinder

Brand : STUDER

Machine Model : S36

Stock No. : 485789

Ex-factory Date : 2007

Main Technical Parameters:

Center height: 225mm

Center pitch: 650mm

X axis travel: 370mm

Z-axis travel: 800mm

spindle: 1500rpm, 15kw

C axis: 1500rpm, 3kw

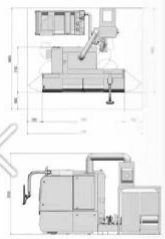
Minimum roundness.0.0004mm

grinding wheel diameter: 610mm

grinding wheel width: 125mm 0/15/30 degree

PamtonSchnell

PamtonSchnell



TOTAL WEIGHT

Centre distance 850mm / 25"	6500 kg (6300 lbs)

TECHNICAL SPECIFICATIONS

MAIN DIMENSIONS

Distance between centres	650 mm (26")
Centre height	225 mm (8.85")
Max. workpiece weight between centres	80/150 kg (175/330 lbs)

CROSS SLIDE: X AXIS

Max. travel	370 mm (14.56")
Speed	0.001–15,000 mm/min (0.001/590 ipm)
Resolution	0.00001 mm (0.4 mil")

LONGITUDINAL SLIDE: Z AXIS

Max. travel	800 mm (31.5")
Speed	0.001–20,000 mm/min (0.001/590 ipm)
Resolution	0.00001 mm (0.4 mil)

WHEELHEAD

Motor spindle	15 kW (20 HP)
Swivelling range	0°/ 10°/ 30°
Fitting taper	0 a. 73 mm
Driving power	max. 15 kW (20 HP)
Grinding wheel, dia. × width × bore	610 × 100 (125) × 203 mm (24" × 4" (5" form 8) × 8")
Circumferential Speed	Standard up to 50 m/s (9840 sfpm) Optional up to 63/80 m/s (12,400/15,750 sfpm)
Belt-drive spindle	11.5 kW (15.4 HP)
Swivel range	0°/ 15°/ 30°
Fitting taper	0 a. 73 mm
Drive power max.	11 kW (14.75 HP)
Grinding wheel, dia. × width × bore	610 × 100 (150) × 203 mm (24" × 3.15" (6") × 8")
Standard circumferential speed	up to 50 m/s (9840 sfpm)

CONTROL

UNIVERSAL WORKHEAD

Speed range	1–1,500 rpm
Fitting taper	M74 / Dia. 70 mm
Spindle bore (feedthrough)	dia. 25 mm (1.30")
Driving power	3 kW (4 HP)
Load during live grinding	70 Nm (51.6 ft-lb)
Roundness accuracy during live spindle grinding	0.0004 mm (option: 0.0002 mm) (0.00015" (option: 0.0001 mm))

Speed range	1–1,000 rpm
Fitting taper	MT5 / Dia. 110 mm
Spindle bore (feedthrough)	Dia. 28 mm (1.105")
Driving power	4 kW (5.4 HP)
Load during live grinding	180 Nm (133 ft-lb)
Roundness accuracy during live spindle grinding	0.0004 mm (option: 0.0002 mm) (0.00015" (option: 0.0001 mm))

C axis, indirect measuring system

CHUCK WORKHEAD

Speed range	1–1,000 rpm
Fitting taper	ISO 50 / Dia. 110 mm
Spindle bore (feedthrough)	dia. 50 mm (1.97")
Driving power	4 kW (5.4 HP)
Load during live grinding	250 Nm (184 ft-lb)
Roundness accuracy during live spindle grinding	0.0004 mm (0.00015") (option: 0.0002 mm (0.0001 mm)) (option: 0.0002 mm)

C axis, indirect measuring system

TAILSTOCK

Fitting taper	MT3	MT4