Machine Name : Cylindrical grinder

Brand : STUDER

Machine Model : S36

Stock No. : 85789

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



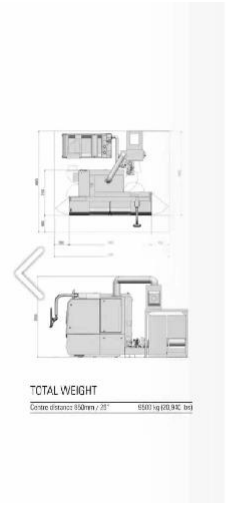












TOTAL WEIGHT

Centre distance 850mm / 25"	6500 kg (6[illegible] lbs)

TECHNICAL SPECIFICATIONS

MAIN DIMENSIONS

Distance between centres	850 mm (25")
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
	(0.000,04"–[illegible])
Resolution	0.00001 mm (0.4 mil")

LONGITUDINAL SLIDE: Z AXIS

Max. travel	800 mm (31.5")
Speed	0.001–20,000 mm/min
	(0.000,04"–[illegible])
Resolution	0.00001 mm (0.4 mil)

WHEELHEAD

Motor spindle	15 kW (20[illegible])
Swivelling range	0° / 15°/ 30°
Fitting taper	D a. 73 mm
Driving power	max. 15 kW (20 HP)
Grinding wheel, dia. × width × bore	610 × 100 (125Fla) = 200 mm
	24" × 4" (5" from6) × 8")
Circumferential Speed	Standard up to 50 m/s
	(6890[illegible] sfpm)
	Op mm up to 63,80 m/s
	(12.400/15.750[illegible] sfpm)
Belt-drive spindle	11.5 kW (15.4 HP)
Swivel range	0° / 15°/ 30°
Fitting taper	D a. 73 mm
Drive power max.	11 kW (14.75 HP)
Grinding wheel, dia. × width × bore	610 × 80 (150 × 200 mm
	24" × 3.15"(6") × 8")
Standard circumferential speed	up to 50 m/s (9[illegible] sfpm)

CONTROL

UNIVERSAL WORKHEAD

Speed range	1–1,500 rpm
Fitting taper	M74 / Dia. 70 mm
Spindle bore (feedthrough)	dia. 25 mm (1.38")
Driving power	3 kW (3 HP)
Load during live grinding	70 Nm (51.6 ft-lb)
Roundness accuracy during live spindle grinding	0.0004 mm (option: 0.0002 mm /
	0.000,015" / option: 0.000,008")

Speed range	1–1,000 rpm
Fitting taper	MT5 / Dia. 110 mm
Spindle bore (feedthrough)	Dia. 28 mm (1.496")
Driving power	4 kW (5.4 HP)
Load during live grinding	160 Nm ([illegible] ft-lb)
[illegible]oundness accuracy during live spindle grinding	0.0004 mm (option: 0.0002 mm)
	0.000,015" / option: 0.000,008")

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 (184.5 ft-lb)
	0.0004 mm (0.000,015")
Roundness accuracy during live spindle grinding	(option: 0.0002 mm (0.000,008") /
	(option: 0.0002 mm)

C-axis, indirect measuring system

TAILSTOCK

Fitting taper	MT3	MT4