

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

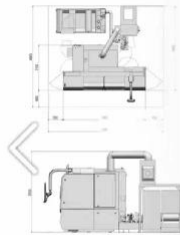
C axis: 1500rpm, 3kw

Minimum roundness: 0.0004mm

grinding wheel diameter: 610mm

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





TOTAL WEIGHT

Extrinsic distance 150mm / 25" 6500 kg (14330 lbs)

TECHNICAL SPECIFICATIONS

MAIN DIMENSIONS

Distance between centers	600 mm (24")
Center to the left	225 mm (9 1/8")
Max. workpiece height between centers	80 / 160 mm (3 1/8" / 6 3/8")

CROSS SLIDE: X AXIS

Max. travel	375 mm (14.56")
Speed	0.709 - 15.000 mm/min
Resolution	0.0001 mm (0.001 mil)

LONGITUDINAL SLIDE: Z AXIS

Max. travel	800 mm (31.5")
Speed	0.309 - 25.000 mm/min
Resolution	0.0001 mm (0.001 mil)

WHEELHEAD

Motor spindle	15 kW (20 HP)
Swelling range	0° / 16° / 32°
Feeding type	0 to 10 mm
Drilling power	max. 12.5 kW (17 HP)
Grinding wheel, dia. x width x bore	610 x 4" 15" (152.4 x 101.6 x 38.1)
Circumferential Speed	Standard up to 30 m/s 30 m/s (6000 fpm)

Ball drive spindle

Swelling range	0° / 16° / 32°
Feeding type	0 to 10 mm
Drilling power	11 kW (15 HP)
Grinding wheel, dia. x width x bore	610 x 4" 15" (152.4 x 101.6 x 38.1)
Standard circumferential speed	up to 30 m/s (6000 fpm)

CONTROL

UNIVERSAL WORKHEAD

Spindle range	1 - 5300 rpm
Feeding speed	0.1/4 / 240 mm
Spindle bore thread/through	dia. 20 mm (3/4")
Drilling power	2 kW (2.7 HP)
Load during live grinding	10 Nm (7.4 lbf-ft)
Roundness accuracy during live spindle grinding	0.0004 mm (option: 0.0002 mm) 0.001 mm (option: 0.0005 mm)

Spindle range	1 - 5300 rpm
Feeding speed	0.1/4 / 240 mm
Spindle bore thread/through	dia. 20 mm (3/4")
Drilling power	2 kW (2.7 HP)
Load during live grinding	10 Nm (7.4 lbf-ft)
Roundness accuracy during live spindle grinding	0.0004 mm (option: 0.0002 mm) 0.001 mm (option: 0.0005 mm)

C-axis indirect measuring system

CHUCK WORKHEAD

Spindle range	1 - 5300 rpm
Feeding speed	0.1/4 / 240 mm
Spindle bore thread/through	dia. 52 mm (2.047")
Drilling power	4 kW (5.4 HP)
Load during live grinding	250 Nm (184 lbf-ft)
Roundness accuracy during live spindle grinding	0.0004 mm (option: 0.0002 mm) 0.001 mm (option: 0.0005 mm)

C-axis indirect measuring system

TAILSTOCK

Feeding speed	0.1/4 / 240 mm
Drilling power	4 kW (5.4 HP)