

STUDER EQUIPMENT



The Art of Grinding.

A member of the UNITED GRINDING Group



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Dear Customers

The latest STUDER Equipment Catalog provides an excellent overview of our most popular items, for upgrading your STUDER cylindrical grinding machine. Most items are available in a wide variety of options, so that they can be perfectly adapted to your machine. If you have any questions about the products, prices or shipment conditions, please contact our Spare Parts Service Department, who will be happy to provide you with further information.

Have fun browsing!

CLAMPING



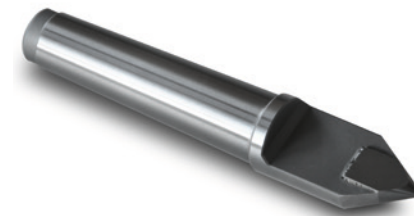
CENTRES



FULL CENTRE

Full centre for clamping the workpiece.

Your advantage – Allows you to clamp workpieces with small centres.



HALF CENTRE

Half centre for clamping the workpiece.

Your advantage – Allows you to grind over the entire length of the workpiece.



BLUNT CENTRE

Blunt centre for clamping the workpiece.

Your advantage – Allows you to clamp workpieces with large centres.



INSERT FOR CENTRES

ISO 50 adaptor for workhead.

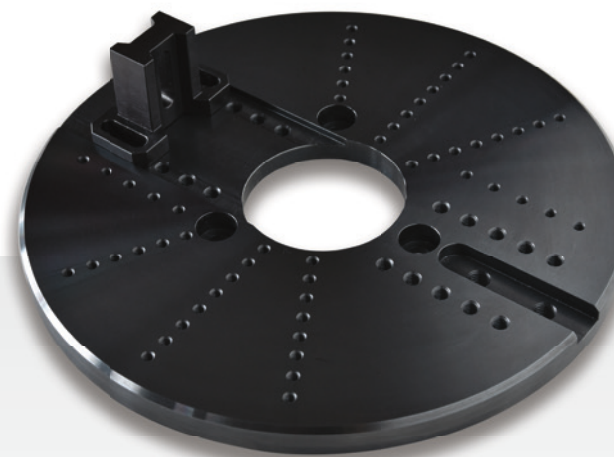
Your advantage – Allows you to use various morse taper centres in your ISO 50 workhead.



INSERT FOR CENTRES

Morse taper adaptor for workhead.

Your advantage – Allows you to use various morse taper centres in your morse taper workhead.



DRIVER

For zero backlash driving of the workpiece when grinding between centres. Suitable for workhead ISO 50 and MT4 (dia. 70 mm (2.75")). Set consisting of driving fork and driving plate.

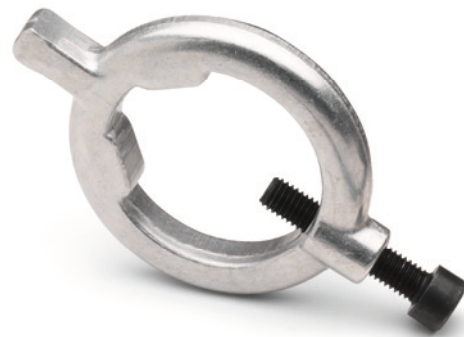
Your advantage – A directionally independent and precise driving of the carrier is guaranteed. Contains a variable adapter plate to cover different workpiece diameters.



DRAWDOWN SPRING ASSORTMENT

Drawdown spring assortment for steady rest grinding applications, for pulling the workpiece onto the centre of the workhead. Requires driving plate.

Your advantage – Extension for driving plate. Enables driving of the workpiece free of lateral forces.



CARRIERS

For driving the workpiece during grinding between centres. Set of 5 pieces.

Your advantage – You can obtain the right carrier for any workpiece diameter. The carrier guarantees safe driving of your workpiece and prevents the possibility of unclamping.

COLLETS



COLLETS

Collets for clamping small workpieces up to dia. 32 mm (1.26"). Available individually or in a set.

Your advantage – Enables quick and easy clamping of small workpieces.

CHUCKS & CLAMPING HEADS



BAYONET ADAPTOR

Bayonet adapter system for ISO 50 workhead when using exchangeable chucks. Use of actuating tube for power chucks is possible.

Your advantage – Enables quick and easy changeover of chucks. Can be supplemented with an integrated interface for a contact ring sensor.



COMBINATION BAYONET ADAPTOR

Adapter system for ISO 50 workhead when using exchangeable chucks. Integrated rotary centre adaptor (MT3 and MT4). Including driver plate and drivers. Can be used with or without driver plate.

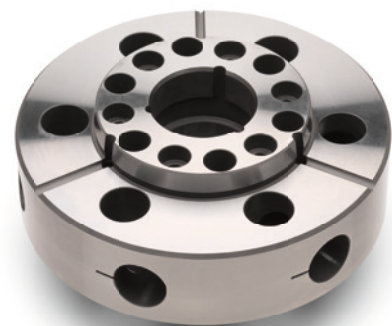
Your advantage – Enables quick and easy changeover of chucks. The additional drivers also enable grinding between centres.



DRIVING FORK

For backlash-free driving of the workpiece. Extension for combination bayonet head.

Your advantage – Rotational independent and precise driving of the workpiece carrier is guaranteed.



CAMLOCK ADAPTOR

Camlock adapter system for ISO 50 workhead for using exchangeable chucks. Use of actuating tube for power chucks is possible.

Your advantage – Enables quick and easy changeover of chucks. An integrated interface for a contact ring sensor is already present.



THREE-JAW CHUCK

Manual three-jaw chuck for driving round workpieces. Adaptable for workhead ISO 50, MT4 and MT5.

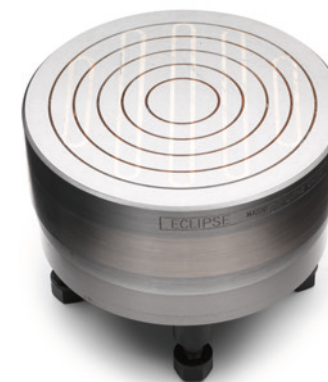
Your advantage – Enables a simple clamping of the workpiece for external and internal grinding.



FOUR-JAW CHUCK

Manual four-jaw chuck for clamping square parts. Adaptable for workhead ISO 50, MT4 and MT5.

Your advantage – Enables a clamping of square parts for external and internal grinding.



MAGNETIC CHUCK

Magnetic chuck. Adaptable for workhead ISO 50, MT4 and MT5. Approval foot pedal recommended for setup of the workpiece.

Your advantage – Enables clamping of special workpieces, for which conventional clamping is not possible.

DRESSING



DIAMONDS



SINGLE POINT DIAMOND

Single point diamond with an angle of 40 and 55 degrees and a defined radius.

Your advantage – Enables dressing of precise shapes into the grinding wheel. A single point diamond is an ideal tool for dressing profiles.



NEEDLE FLEECE

Needle fleece with height 10 mm (0.39") or 20 mm (0.79").

Your advantage – Enables efficient and easy dressing of simple shapes into the grinding wheel.



IMPREGNATED DIAMOND

Impregnated diamond for grinding wheel grit size 120 – 320.
For dressing a straight grinding wheel shape.

Your advantage – Enables dressing of silicon carbide grinding wheels for a high surface finish.

EXTERNAL GRINDING



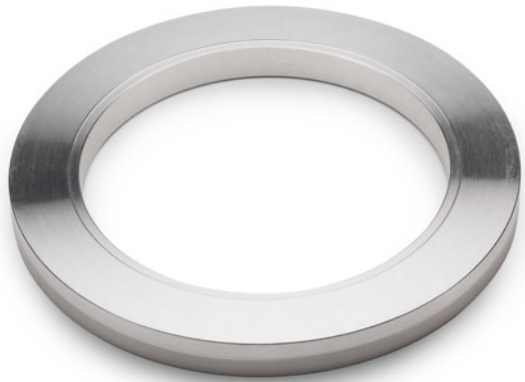
GRINDING



WHEEL ADAPTOR

Adaptor for grinding wheels with bore 127 mm (5") or 203 mm (8") for tapered shaft ends 1:10 with nominal diameter 44 mm, 63 mm and 73 mm (1.73", 2.48" and 2.87").

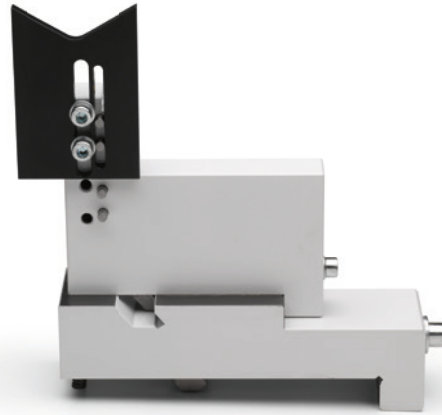
Your advantage – Allows you to clamp the ideal grinding wheel for your application.



SPACER RING

Spacer ring in different widths with bore 127 mm or 203.2 mm (5" or 8").

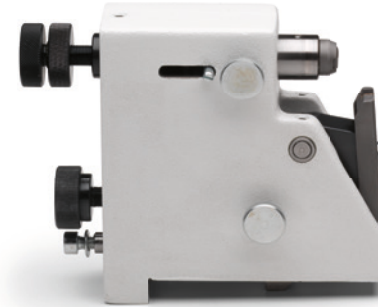
Your advantage – Enables clamping of narrow grinding wheels outside the minimum clamping range of the grinding wheel flange.



PRISM SUPPORTS

Prism supports (2 pcs.) for dia. 15 mm – 150 mm (0.59" – 5.91") or 50 mm – 260 mm (1.97" – 10.24").

Your advantage – Enables pre-positioning of heavy or long workpieces.



STEADY REST

Two-point steady rest for workpiece diameter 4 mm – 88 mm (0.16" – 3.46").

Your advantage – Enables support of the workpiece during live spindle grinding. Only suitable for external grinding applications.



LOCATING PIN

Locating pin as an aid for grinding wheel change.

Your advantage – Enables ergonomic grinding wheel change.



EXTRACTION TOOL

Extraction tool for grinding wheel adaptors.

Your advantage – Allows the grinding wheel flange to be easily dismounted from the taper.



BALANCING STAND

Balancing equipment dia. up to 600 mm (24.62") for static balancing of external grinding wheels outside the machine. Requires the respective balancing arbor for grinding wheels.

Your advantage – Enables manual balancing of grinding wheels.



BALANCING ARBOR

Balancing arbor for grinding wheels with nominal diameter 44 mm, 63 mm and 73 mm (1.73", 2.48" and 2.87").

Your advantage – Enables manual balancing of grinding wheels in conjunction with the balancing stand.



DYNAMIC BALANCING

Portable MPM two-plane balancing unit with 24VDC operating voltage. Display unit (with freely selectable manual adjustment of the balancing plane) for manual adjustment of the balancing segments on two grinding wheel flanges (single-sided with two grinding wheels on a single spindle, or double-sided in conjunction with one wide grinding wheel) after dynamic unbalancing check. Including transport case. One device can be used for several machines which are equipped with an interface for MPM manual balancing and the necessary MPM balancing sensors. Requires interface on machine and suitable set of connection cables.

Your advantage – Enables quick electronic balancing of the grinding wheel within the machine.

INTERNAL GRINDING



INTERNAL GRINDING QUILL

Grinding wheel adaptor for internal grinding spindles. Large selection of diameters and lengths. Quill must be selected according to the spindle speed.

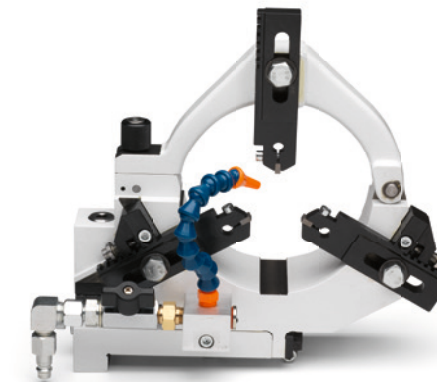
Your advantage – Enables individual adaptation of the internal grinding wheel to your bore.



SETTING-UP TAILSTOCK

Setting-up tailstock with MT3 fitting taper.

Your advantage – Can be used as a set-up aid for a closed steady rest.

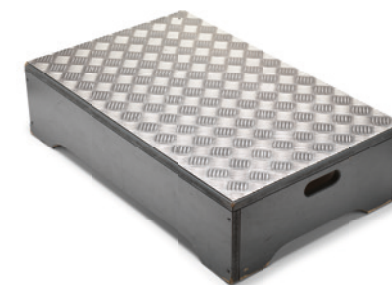
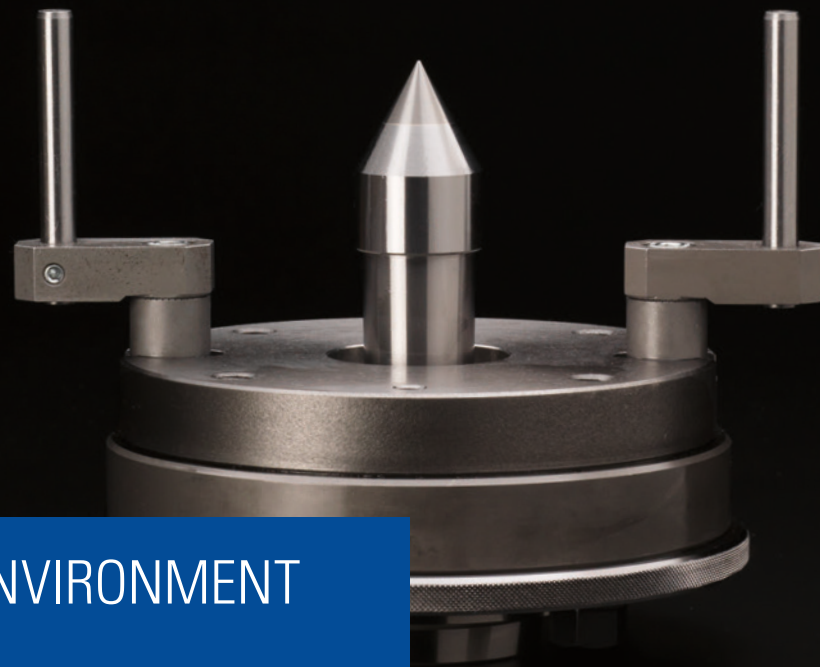


STEADY REST

Steady rest closed for Ø range 90 mm – 230 mm or 5 mm – 140 mm (3.54" – 9.06" or 0.19" – 5.51"). With cylindricity correction and fine adjustment for jaws.

Your advantage – Enables the support of long workpieces during live spindle grinding. Only suitable for internal grinding applications.

MACHINE ENVIRONMENT



MACHINE PLATFORM

Platform for machine operator, available in two different sizes: 1st dimension: 1400 mm x 500 mm x 200 mm (55.1" x 19.7" x 7.9"). 2nd dimension: 800 mm x 500 mm x 200 mm (31.5" x 19.7" x 7.9").

Your advantage – Provides the machine operator with easier and more convenient access to your STUDER machine.
Art. no.: 1st 10056612 / 2nd 10056618



FOOT PEDAL

Approval foot pedal for the execution of movements with open operating doors (with overtravel switched off).

Your advantage – Facilitates the set-up of internal grinding spindles and the alignment of workpieces in the chucks.



FILTER PAPER

Filter paper for cleaning the process water in the band filter.

Your advantage – Suitable for emulsion and grinding oils. Ensures clean process coolant and helps to reduce wear.



GRINDING WHEEL LIFTING DEVICE

Suspension bracket for grinding wheel change with lifting device on the customer side (e.g. hall crane). Maximum load 850N / 191lb.

Your advantage – Enables ergonomic change and transport of heavy grinding wheels.

Art. no.: A2920667A



GRINDING WHEEL STORAGE STAND

Storage stand for 5 grinding wheels with flange up to dia. 500 mm (19.7"). Dimension: 700 mm x 700 mm x 1100 mm (27.6" x 27.6" x 43.3").

Your advantage – Enables a systematic storage of your grinding wheels and quick access to them.

Art. no.: 10022846



ACCESSORIES



BALLOPOINT PEN

High quality Caran d'Ache ballpoint pen with logo.

Art. no.: 30014948



WRITING SET

High quality Caran d'Ache ballpoint pen and propelling pencil (Size: 0.7 mm) with logo.

Art. no.: 30014948



RING BINDER NOTEPAD

5 mm pad, 60 pages, header on both sides.

Art. no.: 30014990



BASEBALL CAP

Light grey cap with embossed logos on the front. One size for all, adjustable.

Art. no.: 30114991



UMBRELLA

Blue umbrella with a wooden grip: opened dia. 94 cm, auto opener, with STUDER logo.

Art. no.: 30014992



MEN'S POLO SHIRT

STUDER polo shirt in light grey with embroidered logo on the chest and «The Art of Grinding.» embroidered on the left arm. Available in sizes S – XXL. Material: 100% cotton.

Art. no.: 30014993



MEN'S T-SHIRT

STUDER T-shirt in dark grey with embroidered logo on the breast and «The Art of Grinding.» embroidered on the left arm. Available in sizes S – XXL. Material: 100% cotton.

Art. no.: 30014995



FLEECE VEST

STUDER short-sleeved vest in dark grey with embroidered logo on the breast. Available in sizes S – XXL. Material: 100% polyester.

Art. no.: 30014990





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VDA6.4
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