

The Circular Slitting Saw Equipment from Klinger

Cut rings – manufactured in house – in one quick cut.
You can manufacture rings from 80 mm to 1250 mm diameter in all gauges – at the turn of a hand.

Making the equipment operational

First adjust the centring bolt ❶ to the size of the required circular slitter. For this purpose, employ the incorporated tape line, by attaching it to the centring bolt. The set radius can be read off the slitter position. Insert the slitter substrate on the centring bolt and set the slitting depth in the small hand wheel ❷ so that the slitter just cuts into the substrate but does not touch the counter roller in the rail. This setting should then be secured with the counter nut.

Thereafter, turn the slitter height back to the initial position.

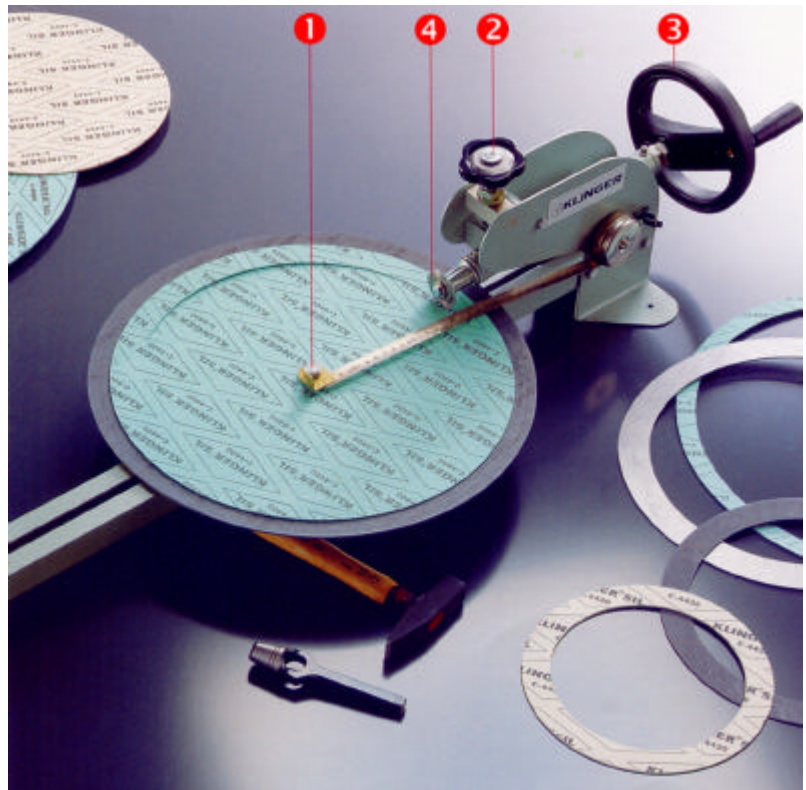
Slitting routines

You can now commence the circular slitting operations.

A centring boring has already been tapped into the small plate with the punch supplied.

By turning the large hand wheel ❸, the circular slitter ❹ can then be moved together with the small plate. The depth the slitter can be engaged stage by stage by means of the small hand wheel per turn of the workpiece depends on the gauge and the hardness of the plate presented. The ideal gauge is between 0.5 mm and 2.0 mm.

With experience the operator will increasingly obtain a feeling for the correct engagement.



A few tips from practice

When slitting circular features in excess of 750 mm exterior diameter, the edges of the plate cut should be removed, so that the workpiece can be turned without hinderance.

In cases of circular features over 3 mm gauge, it is advisable to turn the workpiece after slitting through half of the thickness and recommence and complete the work from the opposite side.

Replacement slitters and servicing

The circular slitter is disposable. You can grind it back into condition or merely dispose and replace it. The slitter supplied is found on the small hand wheel and is attached by a central screw. The slitter drive shaft should preferably be greased at regular intervals. There are two nipples available for greasing routines.

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Technical specifications at a glance

The slitting substrate supplied is of 3 mm gauge and has a diameter of 400 mm.

Diameters available are 400 mm, 700 mm and 1270 mm.

Dimensions and weights

Equipment

Length max.	1,100 mm
Height max.	250 mm
Width max.	170 mm
Weight	6.5 kg

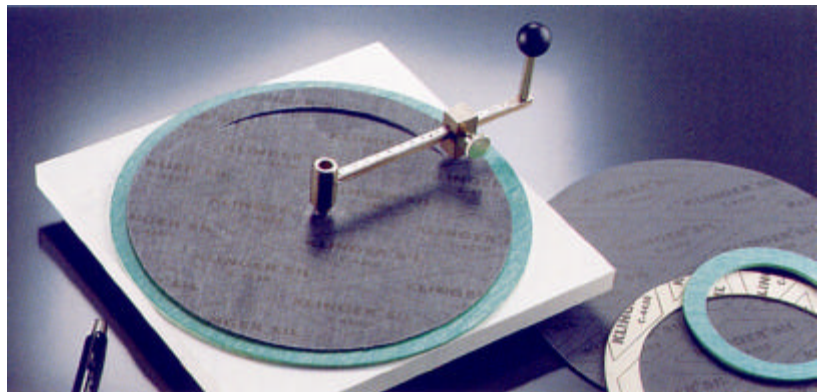
Working application

Min. circular feature diameter, dependent on gauge	approx. 80 mm
Max. circular feature diameter	1,250 mm
Circular feature width, dependent on type of workpiece	up to 1 mm
Circular feature width max.	160 mm
Slitting depth, dependent on type of workpiece	up to 9 mm

Subject to technical alterations. Status: September 2003

The „tiny one“ for rapid servicing work on customer workshops

The „tiny one“ is ideal for mobile workshops. It is easy to transport, quick to install and simple to handle and comes equipped with slitting work face, centering bolt, slitter and slitter callipers. The equipment can be employed to process all work from 300 mm outside diameters to 25 mm inner diameters.



**Certified acc. to
DIN EN ISO 9001:2000**

www.klinger.com.au

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