

Hydro-Duo clamping element with clamping ring

High-precision, accurate yet flexible
tool positioning on spindles



Frequently, the positioning of several tools on a single spindle is implemented by using spacers and the securing is done by a spindle nut. Due to some of the faces not being 100% square or contaminated, the shaft can become distorted. In addition, resetting to other workpiece dimensions can be very time-consuming.

These disadvantages are eliminated by using Leitz Hydro-Duo clamping elements with clamping ring. The hydro-clamping centres the tools absolutely play-free with perfect concentricity and balancing quality. The tools can be positioned quickly and accurately on the shaft without disassembly.

YOUR BENEFITS

- No spacers required
- Time-saving and stepless change of workpiece widths
- Perfect machining results

AT A GLANCE

- Closed hydraulic system
- Maintenance-free clamping mechanism
- Suitable for circular sawblades, cutters or hogsers
- Suitable on multi-blade sawing machines, 4-side profiling machines, double-end tenoners etc.
- Available from stock



-90 %

■ SET-UP TIME IN COMPARISON TO CLAMPING TECHNOLOGY WITH SPACERS AND SPINDLE NUT

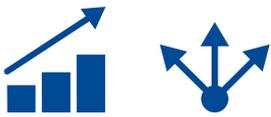
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CLEARANCE BETWEEN INTERFACE AND SPINDLE

2000 times

■ CLAMPING AND ADJUSTING WITHOUT LOSS OF ACCURACY AND WITHOUT MAINTANCE

Your benefits due to ...



EFFICIENCY & FLEXIBILITY

Less downtime and rework

- Minimum machine downtime thanks to simple and highly accurate set-up of several tools on one spindle
- Flexible workpiece widths due to infinite possibilities of positioning the tools without spacers and spindle nut
- Less scrap and rework thanks to perfect machining quality



QUALITY

Running metre by running metre perfect machining quality

- Maximum machining quality thanks to play-free centering of several tools on one spindle without distortion
- Exact dimensional accuracy by avoiding cumulative errors caused by dirty or damaged spacers
- Reliable cutting results through constant high running accuracy and balance quality



SUSTAINABILITY

Long-lasting and resource-friendly

- Protection of the machine through optimum balancing quality
- Long-lasting, maintenance-free and closed hydro clamping system

Hydro-Duo
clamping element
with clamping ring:
uncompromising,
flexible and precise!

