

GERMAN ENGINEERING

Power for your brand

- Product development
- Engineering
- Rapid prototyping
- Manufacturing

PRESS TOOLS

WE SUPPLY PRESS JAWS FOR EVERY MANUFACTURER'S PRESSING EQUIPMENT



Pressing

- » Press jaws for PEX, copper, stainless steel, steel and multi-layer pipes systems



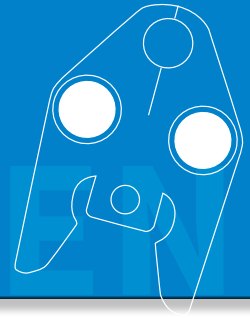
Cutting

- » Quality tool for cutting PEX and multilayer pipes



Calibrating / Deburring

- » Calibration and deburring tool for manual or powered use



GERMAN ENGINEERING

The family firm as an unbeatable concept

In contrast to many other companies, the close links within our family concern and our mutual bond as brothers form the basis for unequalled cooperation. Jointly we bear the responsibility for the enterprise, our employees and our uncompromising approach to quality and the innovative appeal of our products.

This catalog has been compiled to introduce you to the quality tools for sanitary installations and heating pipe systems to which we have given our name and which we are convinced will offer you excellent service in your day-to-day work.

Take full advantage from the 20 years of experience gained by this family concern.

We trust you will enjoy browsing.


Stefan Felsberg


Martin Felsberg



List of contents



The family firm as an unbeatable concept	P. 02
Specialized in quality tools for sanitary and heating-pipe installations	P. 04
Consistent quality - made in Germany	P. 05
The Felsberg tool system	P. 06,07



Cutting

Multilayer and PEX pipe cutter	P. 08,09
Pipe cutters	P. 09



Calibrating / Deburring

Kalisppeed® (up to 1 ¼")	P. 10,11
Kalisppeed® ECO	P. 12
Kalimaus® QUATTRO	P. 12
Kalimaus® FIVE	P. 12
Kalisppeed® BIG, Kalisppeed® BIG 4	P. 13
KaliBIG	P. 13
Kalimaus® BIG	P. 13
Kalistar®, Kalistar® Click.....	P. 14,15



Handles

Swiveling handle UNIVERSAL	P. 16
Power Klick handle	P. 16
Handle ECO	P. 16

Cases

Case (for Kalisppeed® set)	P. 17
Case (for Kalisppeed® set) + PEX and multilayer pipe cutter	P. 17



Pressing

Press jaws STANDARD	P. 18,19
Press jaws CHANGE	P. 20
Press jaws 2G	P. 20
Press jaws 3G	P. 20
Press Chain/Ring	P. 20
Press jaws MEDIUM	P. 21
Press jaws 2	P. 21
Spare parts for press jaws (Press profiles, cases)	P. 21
Press jaws COMPACT	P. 22,23
Press jaws COMPACT CHANGE	P. 23



CONSISTENT QUALITY

Consistent quality - made in Germany

German engineering is a worldwide byword for excellent product quality, intelligent solutions and the application of the best materials. With Felsberg as your partner, you can be sure the “made in Germany” label

will be taken seriously every day - from development and design through to manufacturing and product & supplier quality audits - from the first to the last work-piece.

Ideas, development and design engineering in-house

Being several steps ahead gives you, our customer, a decisive competitive advantage and, as a result, added security for the future. We develop new product ideas and design them in-house using state-of-the-art 3D CAD systems to make our ideas visually tangible.



We are certified
Management system certified
to DIN EN ISO 9001:2015

Specialized in quality tools for sanitary and heating-pipe installations

Quality

There are many facets to quality: we achieve high durability by ensuring our products are sturdily constructed. We ensure our products are easy to use, which helps our customers to avoid any unnecessary incorrect use. On top of that, we use the best materials and specially formulated alloys to maximize your return on the investment you make.

QUALITY

Quality tools for pipe systems

Highest precision

Production

We employ the latest generation of high-quality CNC machining centers and also apply the concept of continuous improvement to our production processes.

Only by adhering to this consistent principle is it possible to achieve such high levels of accuracy in our products.



Quality can be measured





THE FELSBERG

Ideally equipped to face the challenges of each new day

The Felsberg tool system

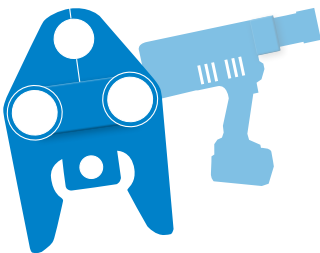
With constant reference to your needs and requirements, the Felsberg range of products has been developed systematically over decades for the diverse field of sanitary installations and heating pipe systems.

We go the extra mile when it comes to conceptualizing and developing products in a systematic way so you can work more efficiently and safer.

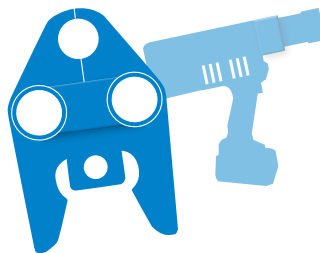


We supply press jaws for every manufacturer's pressing equipment

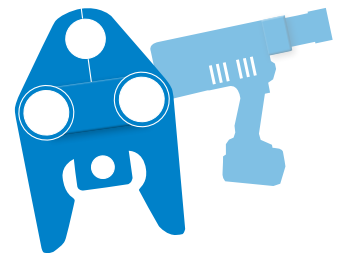
MANUFACTURER **A**



MANUFACTURER **B**



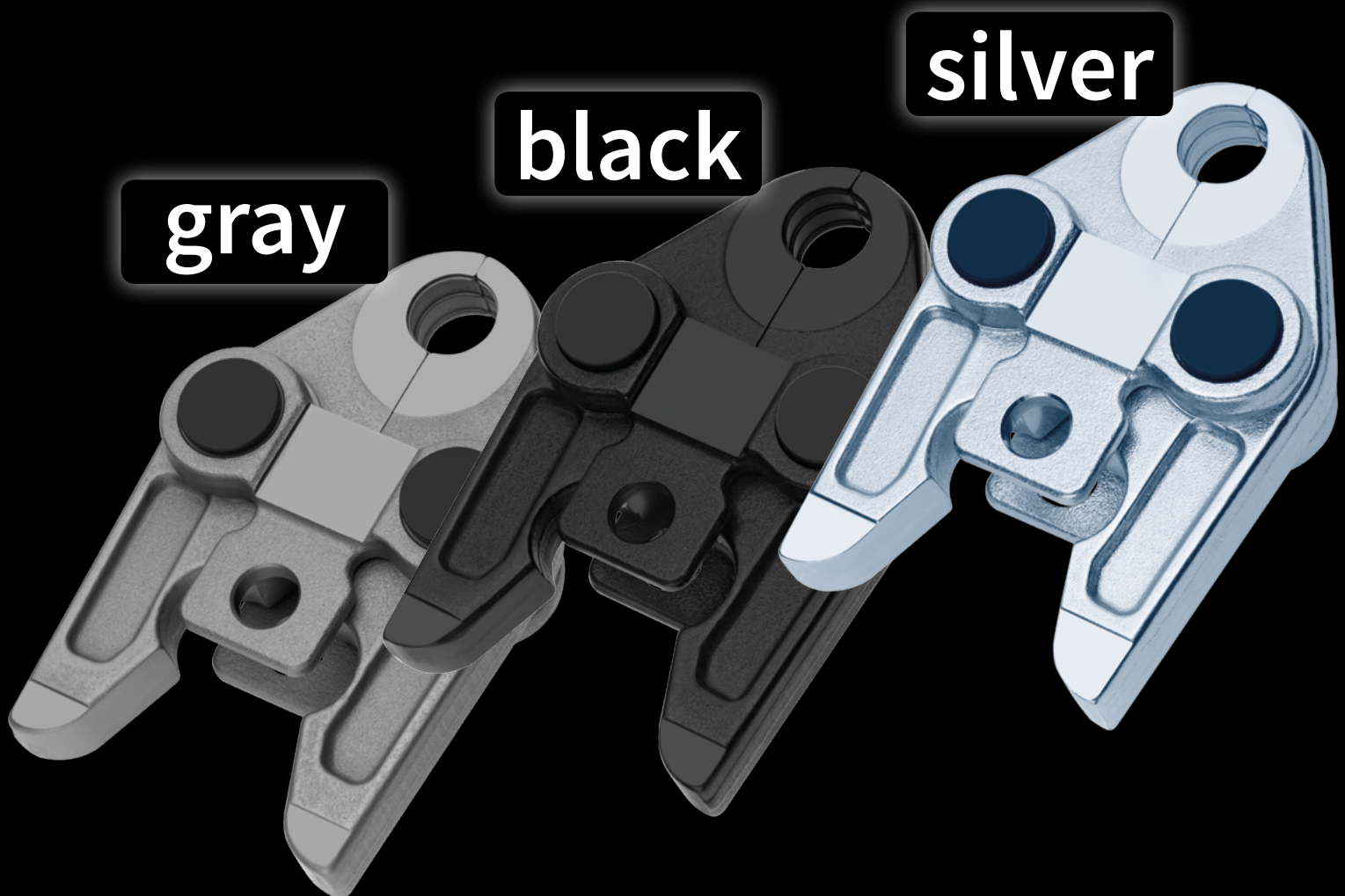
MANUFACTURER **C**



 **FELSBERG**

The coating revolution

High-tech tools combined with high-tech coating



Perfect protection against rust

» Four times more effective than existing rust protection methods, such as manganese phosphating



Greatly extended service life

» Surface has enhanced hardness, which greatly extends the service life of the press-fitting tool



Electroplated finish

» The surface is electroplated

Cutting

Calibrating /
Deburring

Pressing

CUTTING TOOL

Multilayer and PEX pipe cutter

Cutting tool for multilayer and PEX pipe up to pipe diameter 1".

Get a grip!



Depth-of-cut limiter



Ball lock

» Prevents inadvertent opening of the cutters

Blade made of specially hardened steel with a titanium nitride (TiN) coating

Wide pipe rest for particularly straight cuts

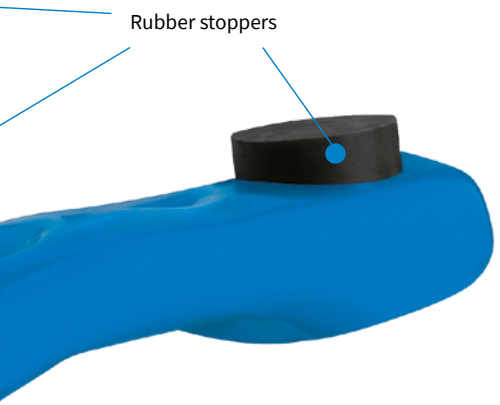
European patent no.:

2497614



FELSBERG
quality

- » blade made in Solingen, Germany
- » forged shanks
- » fully galvanized tool



Rubber stoppers



Enables short lengths of pipe to be firmly gripped using the rear stoppers where space is restricted, e.g. in wall-mounted installations. The outer pipe is not damaged.



Multilayer pipes are firmly held using the rubber stoppers thanks to the optimized lever effect. The outer pipe is not damaged.



No wrist strain: low jolt transmission thanks to the damping effect of the rubber stoppers.



Simple blade-changing.



Also available without rubber stoppers.

Pipe cutters

Quality tool for cutting pipe



Cutting pipe :

- » Different cutting wheels developed for copper, steel and plastic pipes (PEX or multilayer)
- » Accurate roller guides

Sizes

Pipe diameter	1/8"-1 3/4"
Pipe diameter	1/4"-4"



Cutting

Calibrating /
Deburring

Pressing

CALIBRATING DEBURRING

Kalispeed®

Calibration and deburring tool for pipe dimension 3/8" up to 1 1/4" for manual or powered use for 4 operations with a single tool.



Stainless steel

- » Mandrel cutters made of stainless steel guarantee extended lifetimes.



European patent no.:

2497589



For use in machines (up to max. 500 r.p.m.)



For manual use



Optimized chip removal for uninterrupted sizing and chamfering

The advantages for you

- » For powered (max. 500 r.p.m.) and manual use
- » Unique chip-chamber above the cutter collects all the deburring residues
- » Made entirely of stainless steel to provide optimum cutting characteristics
- » Safe, rapid processing of multilayer and other plastic pipes
- » Optimized pipe calibration using stainless steel mandrel
- » Simultaneous chamfering of inner pipe, straightening and outer deburring
- » Protective sleeve made of special-purpose plastic for longer lifetimes
- » Highest levels of security for O-ring seals:
 - No twisting or deformation of the O-ring seal
 - No ejection of the O-ring from its groove thanks to the defined chamfer inside the pipe
 - No damage to the O-ring from residual burr

4 operations with a single tool

1. Optimized calibration
2. Defined chamfering of the inner pipe end
3. Pipe ends straightened
4. Outer deburring



For powered use



For manual use

Kalispeed® ECO

Calibration and deburring tool for manual or powered use for 4 operations with a single tool for pipe dimension 3/8" up to 1 1/4"

4 operations with a single tool

1. Optimized calibration
2. Defined chamfering of the inner pipe end
3. Pipe ends straightened
4. Outer deburring



Stainless steel

» Mandrel cutters made of stainless steel guarantee extended lifetimes.

Powered use

Up to a max. of 500 r.p.m.

Kalimaus® QUATTRO

Universal tool for calibration and deburring with 4 operations in a single tool for 4 pipe dimension 3/8" up to 1 1/4"



Stainless steel

» Mandrel cutters made of stainless steel guarantee extended lifetimes.

Kalimaus® FIVE

Universal tool for calibration and deburring up to 5 pipe sizes



Five-in-one

» Five pipe dimensions from 3/8" up to 1 1/4" in a single tool
 » The full set of tools always at hand

Kalispeed® BIG

Calibration and deburring tool for manual or powered use for large pipe diameters up to DIM 4"



Stainless steel

» Mandrel cutters made of stainless steel guarantee extended lifetimes.

Powered use

Up to a max. of 500 r.p.m.

Kalispeed® BIG 4

4 operations
with a single tool



Stainless steel

» Mandrel cutters made of stainless steel guarantee extended lifetimes.

Powered use

Up to a max. of 500 r.p.m.

KaliBIG®

Swiveling special-purpose tool for calibration and deburring large diameter pipes



Patented swivelling handle



Seven-position locking



Kalimaus® BIG

Universal tool for calibration and deburring pipe diameters up to DIM 1 1/2"



Stainless steel

» Mandrel cutters made of stainless steel guarantee extended lifetimes.

Cutting

Calibrating /
Deburring

Pressing

Kalistar®

Calibration and deburring tools for 3 pipe diameters up to DIM 1".



Your advantages:

- » Virtually indestructible
- » State-of-the-art high-tech material

Kalistar® Click

Calibration and deburring tools for 3 pipe diameters up to DIM 1" with removable protective cover.



Your advantages:

- » Virtually indestructible
- » State-of-the-art high-tech material
- » Removable protective cover



Three pipe diameters in a single tool



Clearly visible identification of the pipe diameter



Ergonomic handle

4 operations with a single tool

1. Optimized calibration
2. Defined chamfering of the inner pipe end
3. Pipe ends straightened
4. Outer deburring



Spare parts

Handles

Swiveling handle UNIVERSAL

Swiveling handle for use with Kalispeed® DIM 3/8" up to 1 1/4" and KaliBIG DIM 1 1/2"- 3"



Seven-position locking



Power Klick handle

Handle for the Kalispeed® with a knurled quick-change lock



- » Ergonomically shaped
- » Optimum force transmission

Handle ECO

Cost-saving handle design for use with the Kalispeed®



Cutting

Calibrating /
Deburring

Pressing

Kalispeed® set

Up to 6 Kalispeed® tools in a convenient, sturdy plastic case.



Plastic case made of PP

- » Double-layer high-resistance foam inlay



Locks

- » Functional, sturdy locks



The system case for push fittings

Up to 4 Kalispeed® tools in a convenient, sturdy plastic case including multilayer and PEX pipe cutter and Power Klick Handle.

FELSBERG
quality

The system case
for push fittings



Plastic case made of PP

- » Double-layer high-resistance foam inlay



Cutting

Calibrating /
Deburring

Pressing

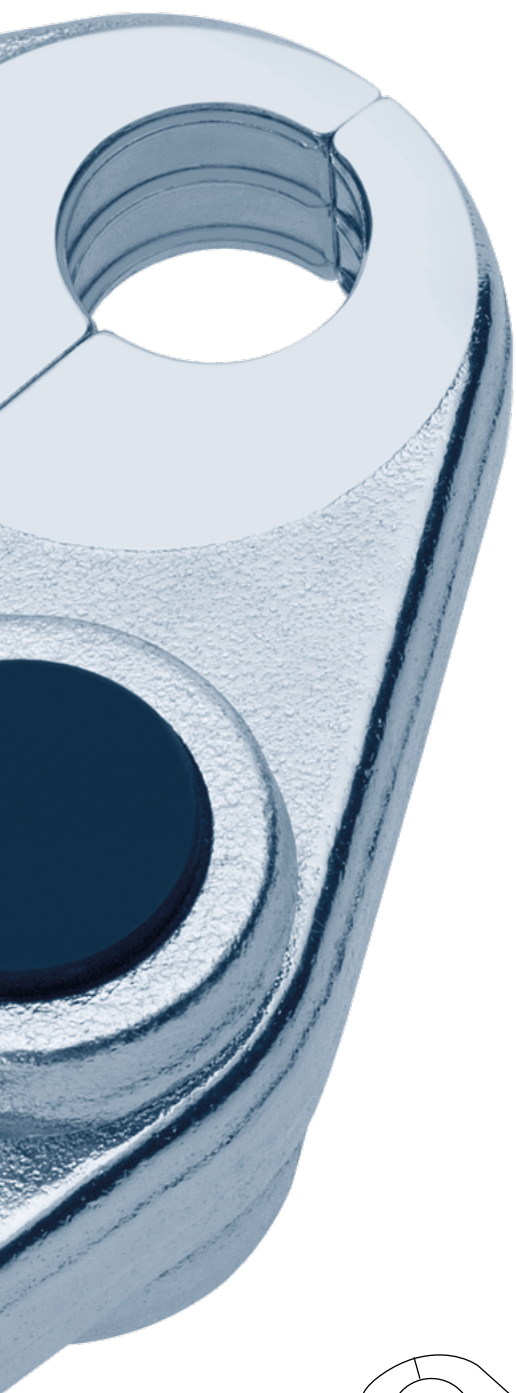
Press jaws STANDARD

Press Jaws for PEX, copper, stainless steel and multilayer pipe systems

PRESSING



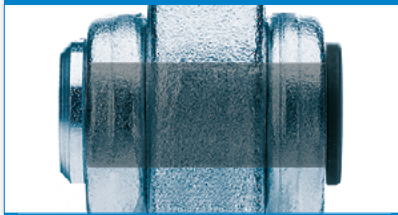
Press jaw for pipe DIM 3/8" up to 1"



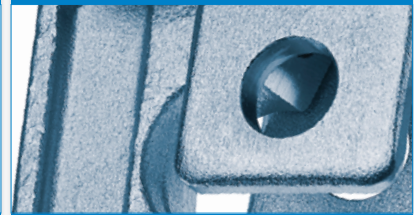
Partial, double induction hardening



Synchronization



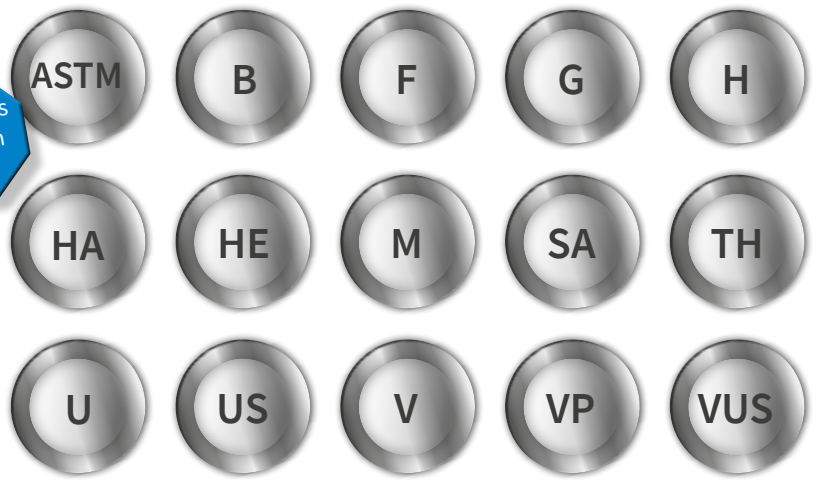
Pins without potential weak points



Forged components

Profiles

Other profiles available on request.



The advantages for you:

- » Maximum pressing accuracy thanks to synchronization
- » Permanently sealed joints due to high-precision pressing contour
- » Clear marking makes system and size identification easy
- » Compact construction for easy access even in awkward places
- » High durability of the pressing jaws due to the use of high-grade surface finishes fully galvanized silver color, black or gray

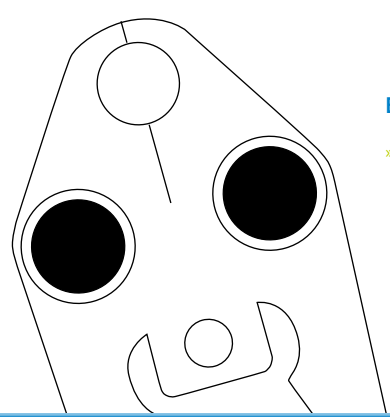


User safety has always been a key aspect of our designs

- » Since founding Felsberg, we have applied our efforts uncompromisingly to designing our products with a view to maximizing safety.
- » For our pressing jaws, we use only the highest-specification hardening processes to achieve optimum distribution of forces in the workpieces.
- » Right from the start, we have used only the best materials.
- » For many years we have been using forged parts.

Easy maintenance

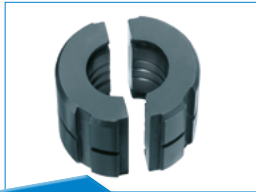
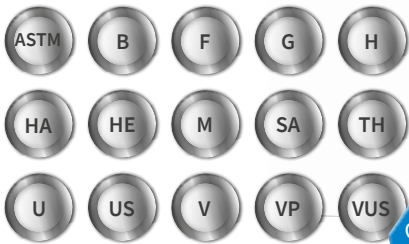
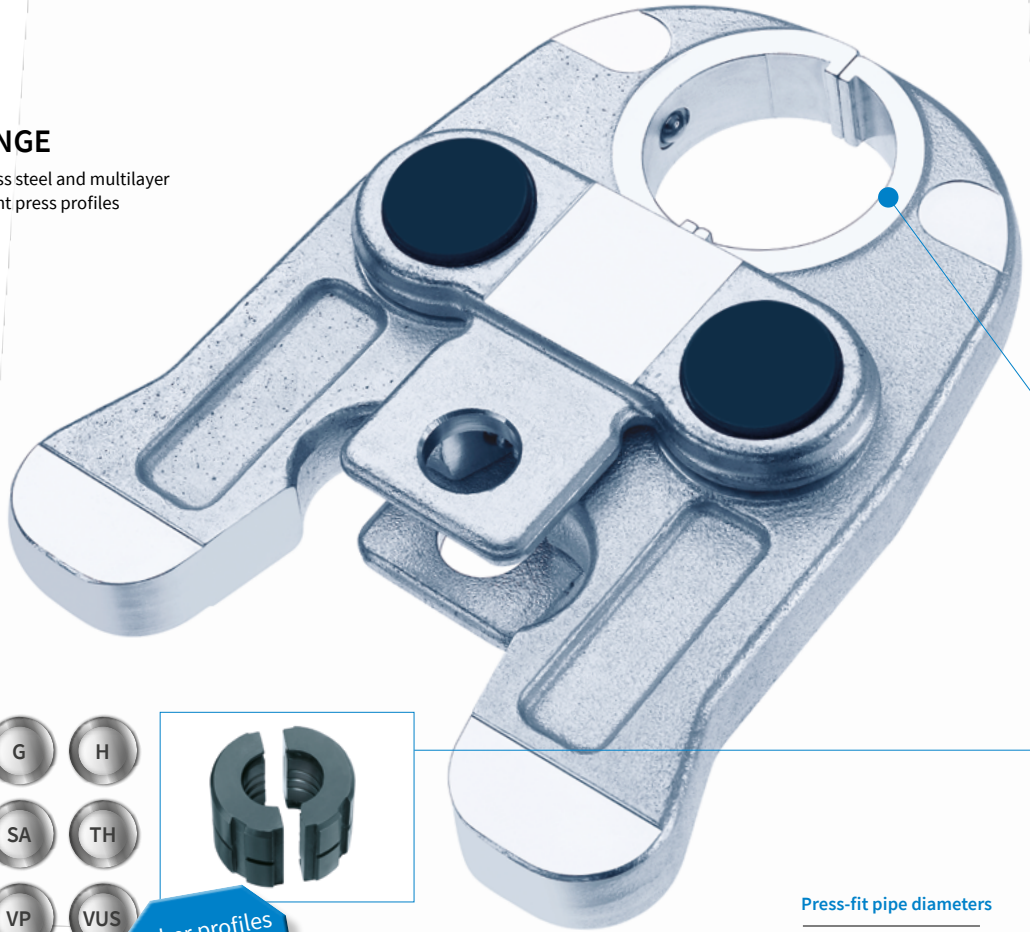
- » The benefit for you: faster maintenance and servicing as pins are only fixed at one end





Press jaws CHANGE

Press jaws for PEX, copper, stainless steel and multilayer pipe systems for a range of different press profiles



Other profiles available on request.

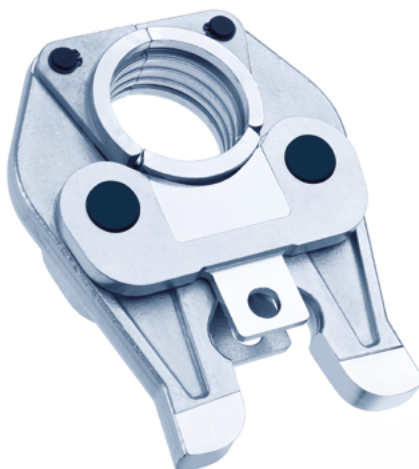
Press-fit pipe diameters
Pipe DIM 3/8" up to 1 1/4"

Press jaws 2G



Press jaws
for pipe DIM 1 1/2"

Press jaws 3G



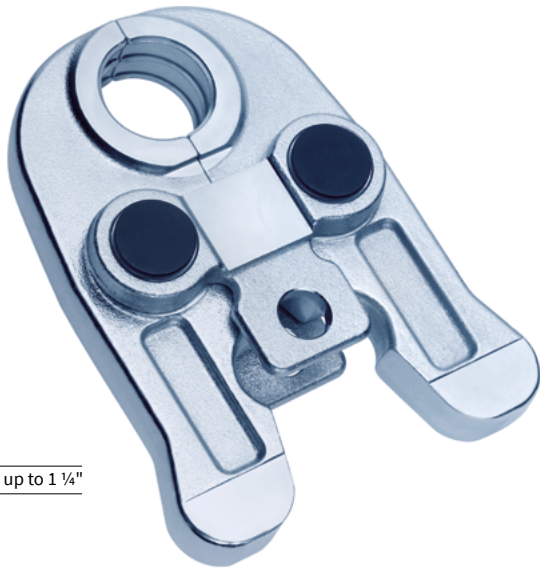
Press jaws
for pipe DIM 1 1/2" up to 2 1/2"

Press chain / ring



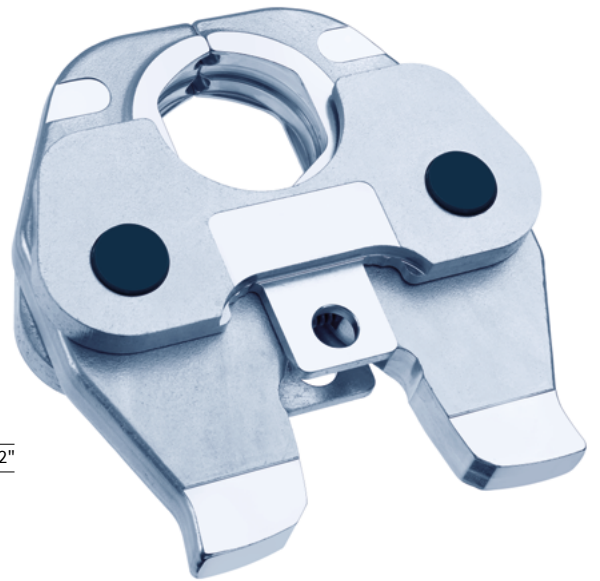
Press chain / ring
for pipe DIM 2 1/2" up to 4"

Press jaws MEDIUM



Press jaws
for pipe DIM 1" up to 1 1/4"

Press jaws 2



Press jaws
for pipe DIM 2"

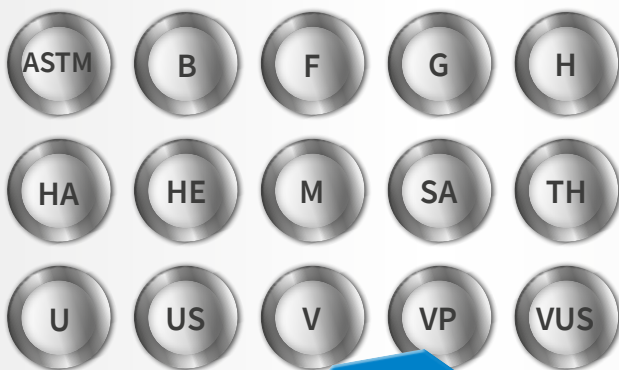
Spare parts

Press profiles

Profiles for CHANGE press jaws and CHANGE COMPACT press jaws



Press profiles



Other profiles
available on
request.

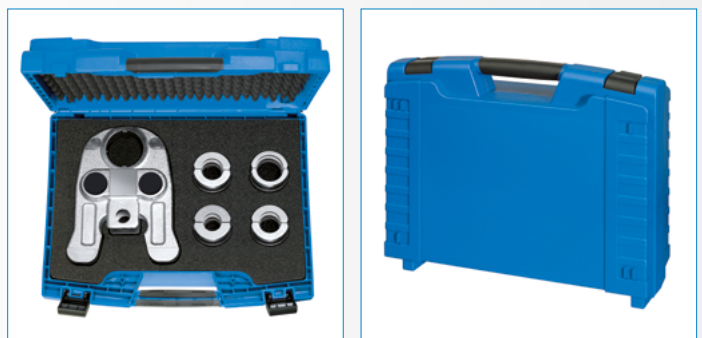
Cases

For up to 5 press jaws.



Cases

Cases For CHANGE press jaws and press profiles.



Other cases available on request.

Cutting

Calibrating /
Deburring

Pressing

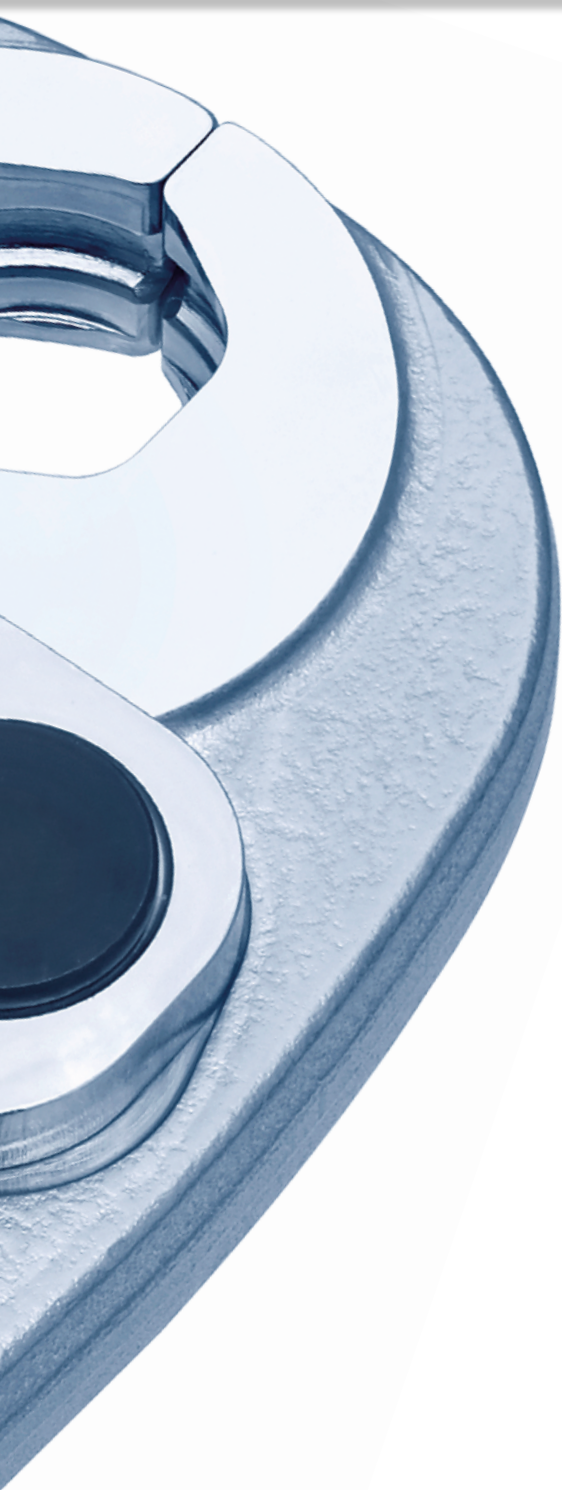
Press jaws COMPACT

Light-weight press tool specially for compact press machines



Press jaws

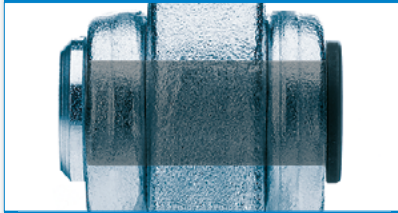
for pipe DIM $\frac{3}{8}$ " up to 1 $\frac{1}{4}$ "



Partial, double induction hardening



Synchronization

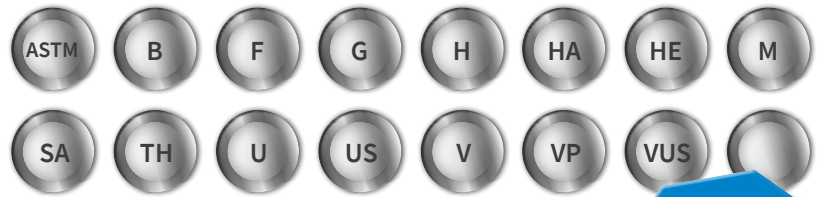


Pins without potential weak points



Forged components

Profiles

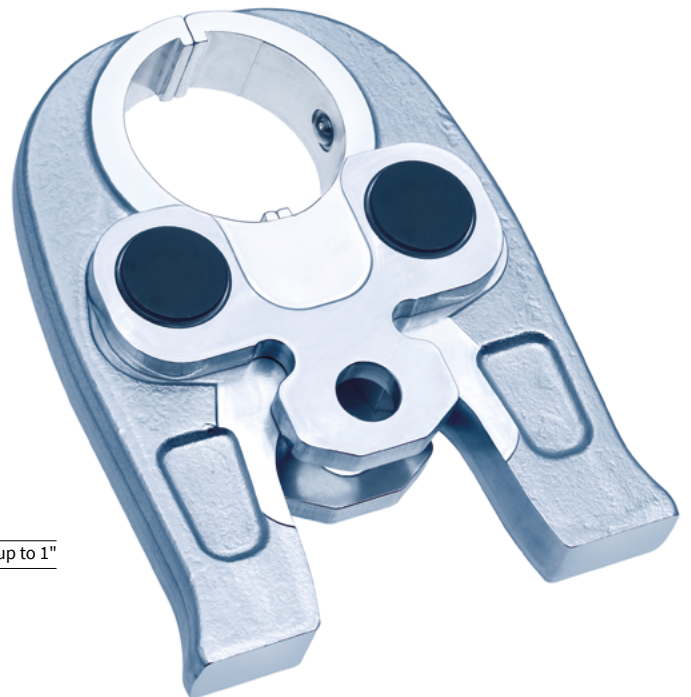


Other profiles available on request.

The advantages for you:

- » Maximum pressing accuracy thanks to synchronization
- » Permanently sealed joints due to high-precision pressing contour
- » Clear marking makes system and size identification easy
- » Compact construction for easy access even in awkward places
- » High durability of the pressing jaws due to the use of high-grade surface finishes fully galvanized silver color, black or gray

Press jaws COMPACT CHANGE



Press jaws
for pipe DIM 3/8" up to 1"



German Quality Engineering



Felsberg GmbH
Merscheider Busch 7
42699 Solingen
Germany
Phone: +49 212 - 2 44 13 20
Fax: +49 212 - 2 44 13 21
Email: info@felsberg.net
www.felsberg.net