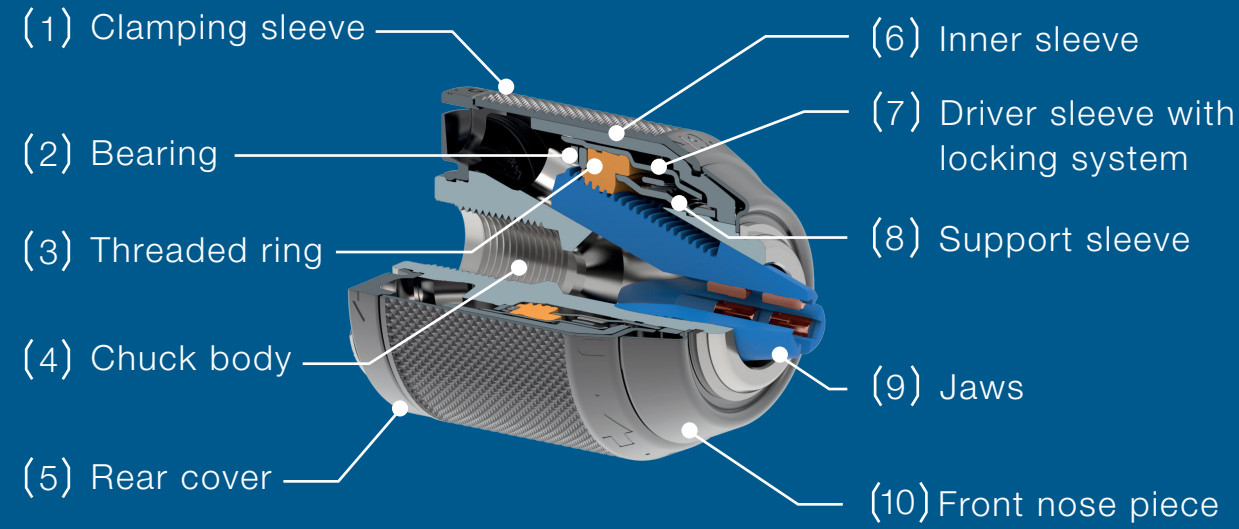


TECHNOLOGY



HOW THE EXTRA 50 FROM RÖHM WORKS

The chuck body (4) is connected to the drive spindle of the machine tool via an internal thread. The drill chuck is protected against contamination by impurities by the rear cover (5). The chuck is opened and closed by turning the clamping sleeve (1). In the process, the turning motion is transferred to the driver sleeve (7) and the threaded ring (3). Due to

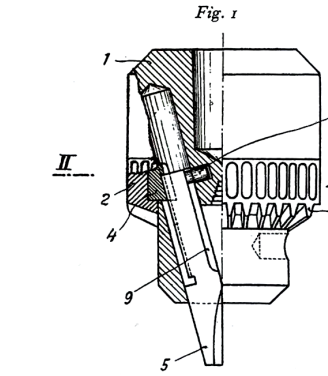
the gearing of the threaded ring and jaws, turning the threaded ring causes the jaws to move along the body. The jaws, which are placed skewed to the chuck axis, are twisted out of the chuck a little and move towards each other so that the diameter to be clamped becomes smaller.

You can find more information on the EXTRA 50 on our website:

ROEHM.BIZ



**THE EXTRA 50.
FROM RÖHM.**



Drawing of a patent from Heinrich Röh, granted January 10, 1937. Patent number 685541.

WE INVENTED THE MODERN DRILL CHUCK

Over 110 years of experience

The first drill chuck from Röh was already available in 1910. The inventor and entrepreneur Heinrich Röh improved the drill chucks of that time and filed for a patent. The first Röh drill chuck came into being.

PERHAPS YOU NEED SOMETHING A BIT DIFFERENT ...

... if your work is mainly stationary with maximum clamping force, the SUPRA and SPIRO (concentricity increased to 0.05 mm) drill chucks are the perfect fit. They also retighten independently and prevent slipping under extreme loads.



... if you rely on drill chucks with key clamping, the PRIMA series is the right choice. There are many variants of these drill chucks, especially for industrial applications, but also for the do-it-yourself sector. But there are also versions for specific sectors and applications, such as the PRIMA-NIRO in a stainless steel design for medical, laboratory and food technology.



MORE OPTIONS TO CONSIDER ...

... because it is often the case that not only the tool has to be clamped, but the workpiece as well. Röh offers an extensive range of vises for this. They range from robust drilling vises up to high-precision NC clamping vises for machine tools.



SHORT AND TO THE POINT.

THE SHORTEST PROFESSIONAL DRILL CHUCK IN THE WORLD IS ONLY 51 MM.

KEEP IN MIND: DRILLING HAS NOTHING TO DO WITH LENGTH. THE SHORTEST PROFESSIONAL DRILL CHUCK IS ONLY 51 MM.



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id-Nr. 1242497 / 0220-WDS

THE EXTRA 50. FROM RÖHM.

The EXTRA 50 is a keyless, quick-clamping drill chuck for clamping in hand-operated electric tools. It is mainly used for drilling and screwing in a clockwise or counterclockwise direction in industry and trade. The drill chuck audibly snaps into place when it locks and ensures a secure hold when hammer drilling and turning in a counterclockwise direction. The tool is held securely in the drill chuck even when the spindle stops suddenly. The EXTRA 50 also scores with its very short overall length, which increases the agility and accessibility for the user.

DESIGNED FOR

Hand-operated electric tools with and without a cable in industry and the trades

APPLICATION

Drilling, percussion drilling and screwing wood, metal, concrete, plastic etc.

BENEFITS

- The shortest professional drill chuck (51 mm) in the world
- High concentricity
- Suitable for clockwise and counterclockwise rotation
- Secure clamping by locking that can be heard and felt as it snaps into place
- Secure clamping for tools during an abrupt spindle stop
- Impact-resistant
- Single-handed operation, because it is keyless

WHY IT'S A SMART INVESTMENT

- Long-lasting
- Competitively priced

FOR ANYONE WHO DRILLS EVERY DAY

and knows exactly that above all, there must be one thing between a good machine and a good tool: a good drill chuck.

CLAMP, CLICK, CLICK, CLICK, GO!

Locking when clamping that can be felt and heard

So, how do you actually know when you have optimally clamped your tool? That's quite easy with the EXTRA 50: You turn the chuck until it clicks. Click. Click. It is important that you hear this several times. The first click activates the locking mechanism, and each additional click increases the clamping force. And off you go!

FOLLOWS ANY MOVEMENT – EVEN WHEN STOPPING

Tool securing system maintains the clamping force when the spindle stops abruptly

Do you work with cordless tools? Then you know that your grip is everything. If you let the power switch go, then the spindle stops. And it stops immediately. This is the maximum load on your drill chuck. It's just like emergency braking with your car. Some drill chucks literally spit out the bit from shock. We ensured toughness qualities in the design of the EXTRA 50 drill chuck. You can be sure that the EXTRA 50 will hold your tool securely in the drill chuck.

DRILLING WILL BE JUST LIKE YOU WANT IT

Optimized manufacturing process

Some say that the concentricity doesn't make any difference with a hand-operated machine. Be that as it may, others say: 'I decide on the diameter when I drill a hole and not the drill chuck.' At Röhm, we think that your drill chuck should provide accuracy – whether you need it or not.

SHORT, SHORTER, EXTRA 50

The shortest professional drill chuck in the world for more agility

If you have had good drill chucks on your machine for a long time, then you are sure to know our EXTRA 80. Many professionals have used it for years. We mustered all our experience with the EXTRA 80 and developed the EXTRA 50 from it. The result is the shortest professional drill chuck in the world. It is just 51 mm. So, what does that mean to you? Firstly, more space to work, because a shorter machine/drill chuck combination makes you more agile. You are better off when things get tight. But being short has yet another benefit: the weight of the drill chuck is closer to your wrist. The machine is less top-heavy, and your wrist does not bend down as much. This is less tiring, and you can control your machine and drill chuck better.

AND WHEN IT COMES TO THE CRUNCH

Optional with carbide inserts for particularly powerful clamping

The clamping jaws of the EXTRA 50 are generally hardened, which makes them wear-resistant and last longer. What else do you need? The EXTRA 50 is optionally available with additional hard metal inserts that are incorporated in the clamping jaws. That way the clamping surfaces are even harder and more wear resistant – to be extremely long-lasting.

IT'S NOT JUST SUPPOSED TO SOUND GOOD – THERE REALLY IS SOMETHING BEHIND IT

Automated manufacturing for constant quality Made in Germany

Most people think that all drill chucks are somehow the same. Two things are needed for a really good drill chuck: firstly a clever design, and secondly careful manufacturing. As a company who built its reputation on quality products and advanced clamping technology, Röhm is proud to manufacture the EXTRA 50 drill chucks in Germany. We have packed more than a hundred years of knowledge into drill chuck production in a unique production line. We manufacture the EXTRA 50 on it.

For example, we have developed a very special machining and testing process. The drill chucks are machined there with the latest technology for the particular accuracy. And, we test EVERY EXTRA 50 AUTOMATICALLY when it is finished. Each EXTRA 50 runs through exactly the same meticulous tests.

