

DIRAK[®]

DST

SIMPLE. SECURE.
DIRAK-SNAP-TECHNOLOGY





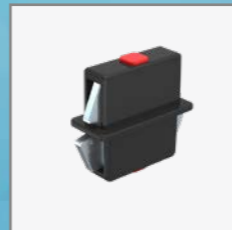
For more information about DST and over 700 products with DIRAK-SNAP-Technology, please visit our website.



We See the World with Different Eyes, Do You?

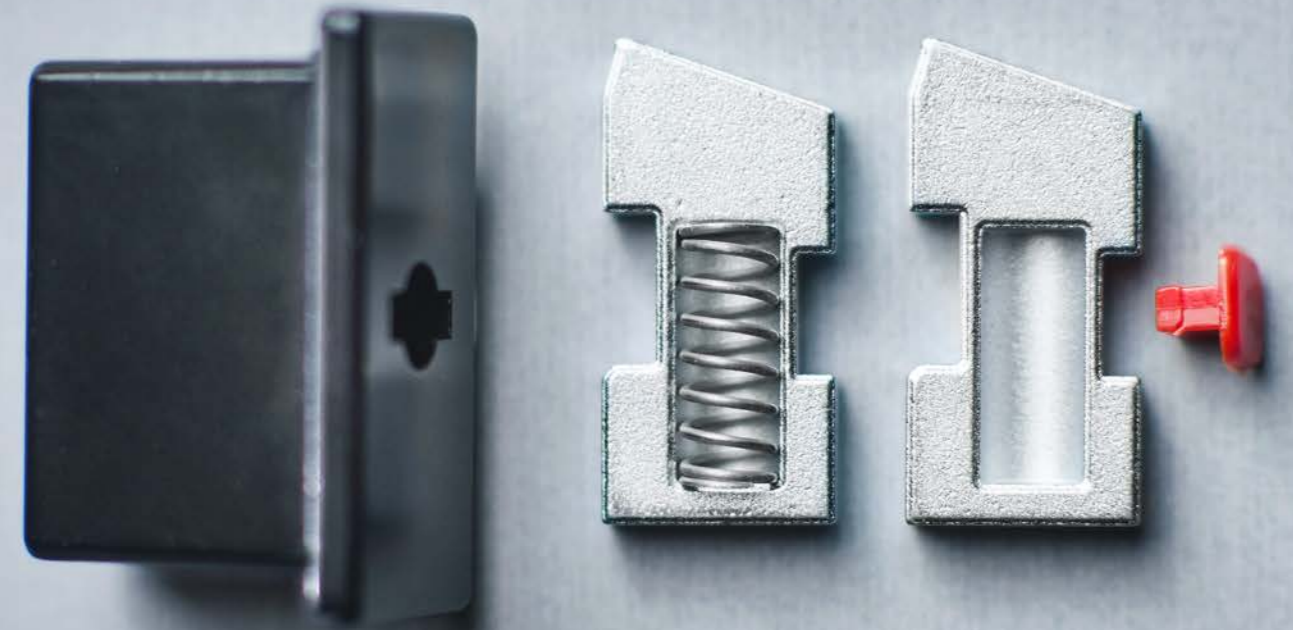
To discover unlimited possibilities, try a new approach easily and at any time with DIRAK-SNAP-Technology. You too can use the best solution for your applications and experience the special features of this trendsetting technology – discover what is possible.

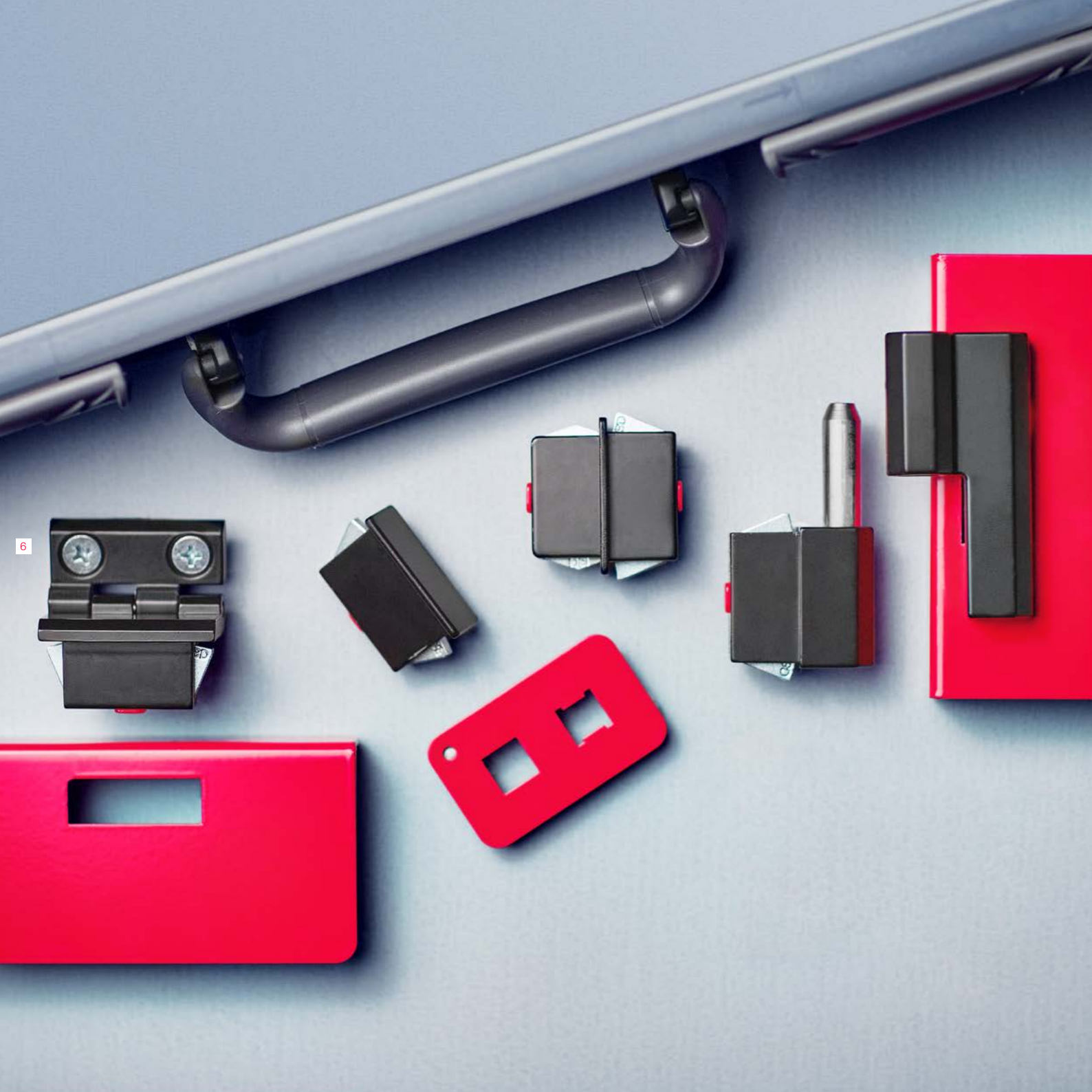
In a world full of connections, we deliver pioneering technology. With DIRAK-SNAP-Technology (DST), you can create high-strength connections easily and without tools – so that great things are sure to come out of your idea.



DST Enables High-Strength Connections

The idea behind DIRAK-SNAP-Technology is incredibly simple: It uses the operating principle of a slam latch, which is commonly found in doors for houses or rooms. It is based on SNAP elements with an angled insert or angled clamps and a spring positioned inside the SNAP elements. These SNAP elements are inserted into an object's guide channel and are held in place by a fixing plug. If this fastener is then pressed through a cutout, the angled insert pushes the SNAP element back like a latch bolt into the guide channel and the spring is tensioned. As soon as the height of the angled insert is surpassed during the insertion process, the tensioned spring presses the SNAP elements back out of the guide channel. A distinctive „SNAP“ sound can be heard as this happens. The result: The fastener is now wedged in the cutout and strongly holds the connected elements together.





Infinitely Versatile.

High strength with secure locking.

The DIRAK-SNAP-Technology withstands high loads and guarantees high strength connections and pull forces that are equal to screw-based solutions.

Shock, vibration and seismic-proof.

DST products are vibration-resistant and can withstand heavy strains without compromising their accuracy of fit, or their locking and connecting functions. Many of our DST products have been tested for vibration and shock (DIN EN 61373) as well as earthquakes (GR-63-CORE, Issue 4).

Reliable and error-free mounting – even in places that are hard to reach.

The DIRAK-SNAP-Technology ensures that your applications are always flawlessly assembled. The risk of there being an incorrect assembly, such as due to incorrect tightening torques, is not something you will have to worry about. An audible click and your application is also mounted onto tricky, narrow, and hard-to-reach places.

Secure and able to conduct electricity.

Components with DIRAK-SNAP-Technology can not only be firmly fastened - they can also conduct electricity through the optional use of a grounding clip.

Reliable and convenient disassembly.

Many DST products are as easy to disassemble as they are to assemble. Depending on the individual product, this can be done with either standard or DIRAK-specific special tools. The option for disassembly with special tools is especially recommended as a way to prevent vandalism and unauthorized disassembly. The DST products enable you to be flexible if you have to disassemble, such as for a transport, or when a repair is necessary.

Tool-less assembly within seconds.

Products with DIRAK-SNAP-Technology are assembled in seconds without any need for additional tools.

Connect materials with different thicknesses

Whether sheet metal, plastic, or wood, our DST products are available in different versions for various degrees of material thickness, or for your own individual requirements. When necessary, additional reinforcing plates increase the hold and load capacity.

DST Fastener

For the quick and easy connection of metal sheets.
Shock-proof and tool-less assembly.

This one-piece DST fastener is vibration and seismic-proof. The metal sheet is fastened by simply clipping it into the cutout designated for it with your hand. It also meets the requirements for Machinery Directive 2006/42EG and is captive. After the pre-installation, losing, dropping, and misplacing are no longer possible. With a screwdriver, Phillips H2, the fastener can be disassembled from the front.

The DST double fastener for a cutout measuring 30x10 mm enables the firm connection of two metal sheets. For tolerance compensation, the fastening element is provided with a housing length of 28 mm on one side.



The DST fastener for fastening metal sheets is intended for a cutout measuring 30 x 10 mm. It is easily clipped into the cutout.

The DST fastener results in a connection that is tightly screwed on one side and redetachable on the other. A larger cutout width can be selected for adjusting. Blind assembly is possible in closed profiles. For flush-mounted assembly, the fastener can be screwed into an indentation (metal sheet) or a recess (wood).

Products with DST

DST is available for many products, such as quarter-turns, swinghandles, hinges, and gaskets. Here are four examples:



The **flat DST quarter-turn** can be used left and right and is clipped into the 32x20.1 mm hole pattern without any tools – blind assembly is possible. It can be properly aligned through the rectangular cutout. It is vibration and shock-proof in accordance with DIN EN 61373, as well as dust and water-proof in compliance with IP65 in accordance with DIN EN 60529. Epicyclic gearing enables a large gear ratio with high contact pressure.



This **standard swinghandle** can be locked by using a profile cylinder with 45° or 90° cam position. In combination with Sliding Cap 2-091, it meets the requirements of protection class IP65 in accordance with DIN EN 60529. Thus no dirt and water are able to penetrate into the latch.



The **DST corner hinge for surface-mounted doors** is visible and can be used right and left. It is IP65-protected in accordance with DIN EN 60529. The DST hinge is available in two designs: With the first version, both hinge halves can be easily clipped in through DIRAK-SNAP-Technology, without any tools. With the second version, one of the hinge halves is fastened with M6 screws, the other is clipped in.



6-1600DST

The **DST handle** can be used in different ways through various tube lengths. It can be mounted without any tools and the tube fits accurately and firmly in the middle and end supports. Thanks to its large circumference, the tube guarantees a secure and firm grip, and is dirt-resistant and easy to clean.



” — Oliver Lück, Managing Director of HAROMAC

DST fasteners meet our standards for fast, tool-less assembly and good load-bearing capacity, and they are especially well suited for our workbenches.



DST Fasteners in Use at HAROMAC

Screwless fastening technology for a quick, tool-less installation of workbenches

Oliver Lück, Managing Director of the HAROMAC tool factory, explains: “Our workbenches presented a new challenge for us. They had to provide good load-bearing capacity and be easy to assemble without any screws and with just a few tools.”

We at DIRAK gladly accepted this challenge and were able to solve the problem of the HAROMAC tool factory quite easily thanks to DIRAK-SNAP-Technology. With DST fasteners, workbenches are now assembled quickly using no tools – the fasteners are simply pressed into the cutouts in the sheet metal walls: “SNAP”. Secure.



Case Study



The **DST fastener** for connecting plates for an installation opening 8 x 15mm can be disassembled with the tool 292-0302.70 both from the inside (removal of the red plug) and from the outside. When opened, the tool cannot be removed. The housing is available in black or light gray RAL 7035.

1-040DST 



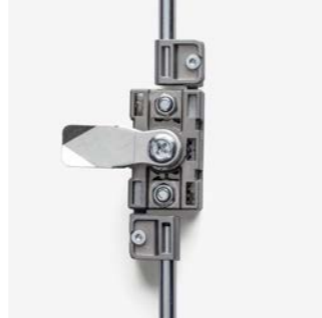
Quarter-Turn



Swinghandle



Customer-specific solutions



Multi-Point latches

Always the Best Product for Your Application

At the center of our activity is the constant desire to find the best product and with it the optimal solution for your application. Meeting your specifications and fine-tuning our development to them is what we do. Whether swinghandle, quarter-turn, hinge, fastener, gaskets or a system or individual part specifically manufactured according to your data – we take great care and our processes are oriented to ensure that both the consulting and the product you receive meet your quality standards. To do this, we use whatever means we have entirely for your benefit. In addition, development-stage prototypes and various load tests are just as important to each process as the logistics to safeguard your required supply chain.

From the concept stage to when the order is fulfilled and delivered, we always focus on your requirements and are at your side as a reliable partner, even after the project has ended.



Fastening Technology



Handles



Hinges



Mechatronic locking solutions



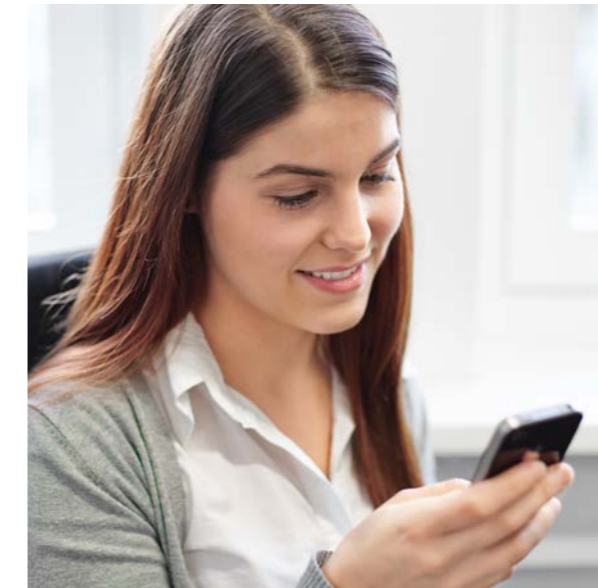
Gaskets



Latches



By the way: You can find these and other products on our website.



Knowledgeable Contact Partners

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Find your contact person.

Do you have questions about our products or would you like a personal consultation? You can reach us at any time. Simply enter your zip code in the contact form on our website to find the direct contact person in your area.



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