



PressKit



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Ganter - the secret champion from the Black Forest



With over 50,000 readily available products, Ganter is the Number One specialist in standard parts.

Handles, hinges, handwheels, clamp handles, knobs or clamping devices - all these are components which are needed virtually everywhere, in mechanical engineering as much as in laboratories, in plant equipment and in the transport sector. Components, many of which come from the Black Forest, directly off the high-rise shelves of the market leader: Otto Ganter GmbH & Co. KG.

Established in Furtwangen in 1894 as a small mechanical workshop, company founder Otto Ganter hit on the idea in 1912 to standardize operating elements - years before the German Industry Norm (DIN) came into being. An idea thriving and growing into a sustained model of success: today, the family-owned company in its fourth generation is present worldwide and keeps on growing. Over 270 people at the company's Black Forest headquarters permanently develop new elements, manufacture with ultimate precision and quality and ensure the fastest possible shipping. 85 percent of all orders leave our plant within 24 hours - a speed which sets standards. And with over 50,000 available variants, Ganter offers an unrivalled range and variety of standard parts.

What became known as the Ganter Standard after its launch 100 years ago eventually turned into an indispensable feature in many engineering and construction offices - and with it the Ganter catalogue, showing the entire range of products with all their characteristics on around 1,300 pages in the most recent 15th edition. The Ganter catalogue has long been a much sought-after manual which has successfully helped and accompanied generations of designers and developers. And - this being the digital age - all the data are also available online and can be loaded into all common CAD programs.

If, by any chance, there is a standard part that you need and cannot find in the extensive range of products, the people at Ganter will set to work to close the gap and develop a customized solution. This is also one part of the story which has made Ganter into what it is today: a successful player on the international stage.



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Rubber Damping Elements



GN 451, GN 452 and GN 453 buffers and GN 148 and GN 248 levelling feet

News from Ganter in Furtwangen

Ganter, maker of standard elements, has enlarged its existing „elastomer damping elements“ product range.

Shore hardnesses 40 and 70 have been added to the well-known GN 351, GN 352 and GN 353 range of rubber buffers. All commercial Shore hardnesses (40, 55 and 70) are now available ex warehouse as standard parts.

Ganter's product portfolio now also includes stainless steel design versions, with the GN 351 rubber buffers now available in stainless steel design under standard **GN 451**. The GN 352 and GN 353 are now also available in stainless steel designs **GN 452 and GN 453**.

The **GN 248 levelling feet** enlarge the range of these elements, allowing heavy machines and units to be set up free of vibrations. To compensate uneven floors, the adjusting spindle can be used to adjust the height. These standard elements use a natural caoutchouc with a rubber hardness of 80 Shore. The use of these levelling feet has a positive impact on the life of the machine and helps to abate noise. The Ganter Catalogue of Standard Elements also features a calculation method for finding the most suitable machine levelling feet.

The extremely robust **GN 148 levelling feet** feature a specially shaped rubber body which makes them the first choice for pressure and tension exposure. These levelling feet are optionally also available with tear-off guard, protecting against destruction through tear-off under excess load.

These standard elements are offered with spring characteristics of 43° (soft), 57° (medium) and 68° (hard) Shore.

The GN 148.2 rubber pads are used if the machine feet are not to be bolted

All standard elements listed are made of resilient natural rubber (NR), providing excellent properties in terms of vibration damping and featuring ultimate elasticity and tear resistance.

Find out more in the internet at www.ganter-griff.com

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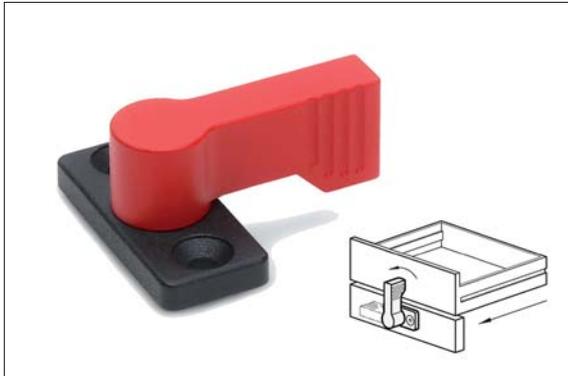
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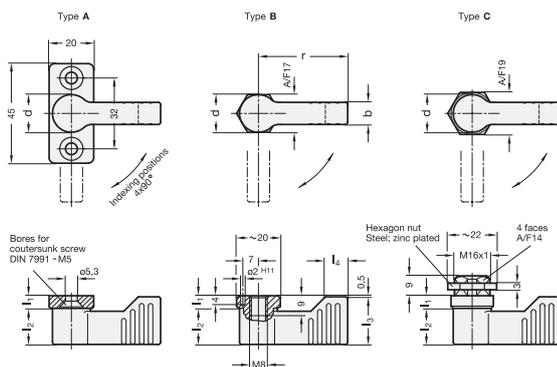
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Smart stop lock with four latch positions



GN 702 stop locks - application examples



News from Ganter in Furtwangen

Ganter, makers of standard elements, has enlarged its product range with GN 702 stop locks, used, for instance in fire fighting vehicles to secure doors and drawers.

The GN 702 stop locks are available in three design versions:

- Type A: with fastening flange
- Type B: with internal thread
- Type C: with external thread

The locking mechanisms in the GN 702 stop locks are on the outside, each with four latch positions offset by 90°. They can only be used for locking, not for clamping.

All locks are made of mat-textured black or red, plastic-coated zinc die castings. The latching mechanism is generally made of zinc die-casting and plastic.

The GN 702 stop locks of Type C have the same connecting dimensions as, for instance, Ganter's GN 115.1 mini latches. For mounting, a bore hole is set into the fastening surface. In volume production, this mounting bore hole is normally made by punching or by laser. For small series and sheet metal panels with thicknesses below 2 mm, Ganter's GN 123 sheet metal punch is the first choice.

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Hinges with safety switch in sophisticated design and with unique function!



GN 139.1 hinges with safety switch
and GN 139.2 hinges with fittings

News from Ganter in Furtwangen

Ganter, makers of standard machine elements, have enlarged their product range by adding **GN 139.1 hinges with safety switch** and GN 139.2 hinges.

GN 139.1 hinges with safety switch are used for hinged and opening protective equipment such as doors or covers on machines, in plants, in automation engineering and in the automobile industry. The hinge is compact and sturdy, making it the ideal choice for many applications.

Classed as protective equipment, GN 139.1 hinges with safety switch can prevent hazardous situations as the contacts change their status from a defined opening angle forward. This switching point can be adjusted within the range +4°.

The electrical switching elements are fully integrated in the mechanical hinge and are invisible from the outside, allowing the hinges to be classed under IP 67 (plug-type version) and IP 69K (cable version). Two contact switches offer double safety! The concealed bolt attachment from the back also makes this hinge particularly tamper-proof.

The **GN 139.2 hinges** are similar in design and differ externally only by featuring a connector plug, making them the ideal choice as add-on hinge with unchanged perfect appearance.

Flat and angled mounting plates are available to mount the hinges, allowing them to be mounted from the front or in the clearance between door frame and door.

Oblong holes are designed for mounting to profile systems.

In general, the GN 139.1 hinges with safety switch conform to many international standards and directives (e.g. CE and UL).

The GN 330 cables with M12 x 1 connector round off this product range.



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Indexing plungers made of steel and stainless steel – designed and suitable for many applications



Indexing plungers GN 817, GN 817.2, GN 817.3 and GN 817.4

News from Ganter of Furtwangen

Ganter, makers of standard machine elements, have enlarged their unique indexing plunger range with the **GN 817.4** indexing plunger. These plungers feature a T-handle in place of a knob and are designed for use where greater unlocking forces are required.

In general, indexing plungers are suitable for the quick and safe locking of elements which slide against each other.

The pressure spring and the locking mechanism are integrated in the head or in the T-handle in all design variants of the **GN 817** standard element. This prevents dirt from entering the mechanism and guarantees the proper function at all times.

The design variants with lock nut are used in applications where the plunger pin must not protrude temporarily. In that case the knob or the T-handle is turned by 90° after retracting. A notch then keeps the plunger in that position.

All indexing plungers are offered with and/or without counter nut and with and/or without lock nut. Steel or stainless steel versions are obligatory.

For special knobs and for applications where the indexing plunger cannot be operated manually, Ganter offers the GN 817 indexing plungers also with a threaded pin.

GN 817.2 indexing plungers have a longer operating knob.

To allow reasonably priced precision positioning with the DIN 179 guide bushes, Ganter supplies the **GN 817.3** indexing plungers where the positioning accuracy does not depend on the indexing plunger guide of the bolt in the locking mechanism, but on the precision of the positioning guide and the bolt. Both elements are hardened and polished.

Find out more in the internet at www.ganter-griff.com



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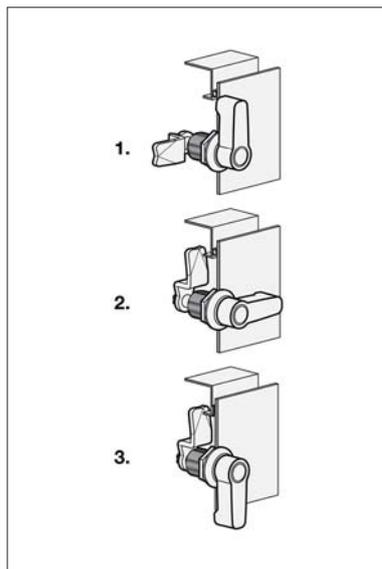
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Rotary clamping latches by Ganter given the “iF Design Award”.



Rotary clamping latches GN516 in several variants



Rotary clamping latches assembly

News from Ganter in Furtwangen

Ganter, makers of standard machine elements, have enlarged their product range with the **GN 516 and GN 516.1** rotary clamping latches for door locks.

The GN 516 and GN 516.1 rotary clamping latches feature a special locking mechanism which provides a vibration-proof interlock in the end position.

Closing operation (see drawing):

1. Latch in starting position.
2. A 90° turn of the operating element / key will move the latch into the usual closing position
3. A further 90° turn will generate a 6 mm linear stroke of the latch, pulling the door against the frame or a seal.

The rotary clamping latches can be operated with an operating element (knurled handle, toggle or lever) or with a GN 119.2 key (triangular spindle, square spindle and double bit)

22 latches with different cranks covering incremental latch spacings ranging from 17 to 63 mm are available for the GN 516 rotary clamping latches.

Using the M6 setscrew, a 10 mm adjustment can be accomplished within the individual latch spacings A1 ... A4 of the GN 516.1 rotary clamping latches. This covers a continuous clamping range between 1 and 41 mm.

The GN 516 rotary clamping latches by Ganter have been awarded the iF Design Award 2012).

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1) The iF Awards for innovative product design are given by independent juries from internationally renowned designers, companies and professors.

Reasonably priced cam action indexing plungers with nano[®] coating



GN 612.8 cam action indexing plunger



Mounting blocks

News from Ganter in Furtwangen

Ganter, makers of standard machine elements, have enlarged their indexing plunger range by adding “corrosion protected cam action indexing plungers”.

The GN 612.8 cam action indexing plungers are recommended for operations where the locking pin is temporarily not allowed to protrude. Turning the lock by 180° will retract the locking pin. The notch allows safe positioning, and the attached hex nut optimises mounting.

The indexing plungers feature a black lock made of plastic and cannot be dismantled. The locking pin is made of zinc-plated and blue passivated steel.

The anthracite coloured guide of this indexing plunger is made of die-cast zinc and is ZNDG Pass nano[®] coated.

This is nonetheless a very reasonably priced locking alternative.

The cam action indexing plungers are available with and without lock nut.

The mounting aids in Ganter's product range include the mounting blocks GN 612.1 and GN 412.1. The GN 412.1 can also hold positioning bushings for positioning the cam action indexing plungers.

Find out more in the internet at www.ganter-griff.com

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Mini indexing plungers made of steel or stainless steel for thin-walled sheet metal



*Mini indexing plunger GN 822.1 (back)
Mini indexing plunger GN 822 (front)*

News from Ganter of Furtwangen

Ganter, makers of standard machine elements, have enlarged their indexing plunger range with more “mini indexing plungers”.

In general, the mini indexing plungers boast the smallest of dimensions. They are designed especially for thin-walled sheet metal. Zinc-plated, blue chromatised steel and stainless steel versions are available. The indexing pin and the pressure spring are made of non-corroding stainless steel. The fixed knob is made of mat black plastic.

The mini indexing plungers are turned in with the help of the knurled knob or the hexagonal stem.

The GN 822.1 mini indexing plungers feature a permanently exposed hexagonal stem, allowing this design version to be fixed in place with an open-end spanner.

All mini indexing plungers (GN 822 and GN 822.1) are available with and without indexing lock. The designs with indexing lock are used in applications where the indexing pin must not protrude temporarily.

A notch prevents the disengaged knob from turning inadvertently or working loose through vibrations.

Using non-corroding steel (GN 609) and stainless steel bushings (GN 609.5) allows the thread length of the mini indexing plungers to be adapted to the wall thickness of the application in hand.

Find out more in the internet at www.ganter-griff.de

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Standard elements in ESD design prevent damage to products



Levelling feet, cabinet "U" handles, knurled nuts and knurled screws in ESD design.

News from GANTER in Furtwangen

Ganter, makers of standard elements, have enlarged their product portfolio with levelling feet, cabinet "U" handles, knurled nuts and knurled screws in ESD design.

The conductive plastic coating (special technical polymer) of these designs prevents the flashover of static charges between bodies with different electric potential. The most common causes of this difference in potential are friction electricity (triboelectric effect) or influence.

By using high-quality plastic materials and with the appropriate design (ribbing), the GN 344.2 / GN 344.7 ESD levelling feet accomplish a high degree of antistatic rating. They are available with zinc-plated, blue chromated steel screws (GN 344.2) or with non-rusting stainless steel screws (GN 344.7) and have been designed to withstand temperatures as high as 100°C.

The characteristic feature of the ESD GN 590 knurled nuts (with brass bushing) and the ESD GN 591 knurled screws (with zinc-plated, blue chromated threaded pin) is the coarse, negative knurling, with its shape and plastic properties guaranteeing a high degree of stability and durability. They can be used in temperatures as high as 130°C.

The ESD GN 528 cabinet "U" handles are also made of conductive plastic and can be used in temperatures as high as 150°C.

Each standard element is marked "ESD" and indicates the appropriate antistatic properties in compliance with IEC 61340-5-1.

The new GANTER line of antistatic elements is especially suitable for use in assembly lines for electronic components and in special ESD protected zones (PA) where electro-statically sensitive components need to be handled with the lowest possible risk of damage.



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Latch clamps with safety locking mechanism



Latch clamps with safety locking mechanism

New from Ganter in Furtwangen

Ganter, makers of standard elements, has enlarged its latch clamp product range with "Latch clamps with locking mechanism".

Every design features a locking mechanism which prevents the inadvertent or vibration-induced opening of the latch clamp. Naturally, the latch clamps are also designed for operation with one hand.

The handles have a red and oil-resistant plastic cap. All movable parts are lubricated with special grease.

The GN 853 latch clamps are ultimately made of burnished, case-hardened C 10 steel. Their tie rods are made of burnished steel grade St 32.

Ganter supplies the following design versions:

- Coding 1: without tie rod and latch bracket
- Coding 2: with tie rod and latch bracket

Next to the steel design, there is also a stainless steel variant where all sheet metal parts and the tie rod are made of rust-resistant stainless steel.

For very high retaining forces, Ganter's range includes the GN 852.1 latch clamps with locking mechanism. They are made of forged steel and chemically blackened precision-cast metal. The bearing bolts are made of hardened and polished steel. The latch brackets are included in the delivery.

Find out more in the internet at www.ganter-griff.de

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