



Press Kit



Standard Parts. **Ganter.**

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Press Release 08.2019

The power inside the handle

Ganter combines mechanical and electrical functions in standard parts to offer the new U-handle GN 422 with power switching and indicating functions as well as matching accessories.

Clever solutions with compact design: The standard parts specialist Ganter adds electrical functions to mechanical components to create the newest member of the series: U-handle GN 422 with power switching function and integrated LED ring lighting. Depending on the application, the U-handle can be ordered in black or silver with one or two LED buttons. The electrical pushbutton is made of high-quality stainless steel and equipped with a special two-color LED, which switches its color between red and green depending on the polarity. In practice, this allows for indication of the current production machine status, for example.

For mounting, including professional electrical installation, the U-handles are fitted with either a plug connector or cable. The cable pass-through is covered, with the cable running out the back of the housing to be out of the user's sight. The matching accessories can also be ordered from Ganter. This includes the cable with connector M12x1 GN 330, which is needed for mounting the U-handle in the cable version.

To respond flexibly to individual customer needs and to allow for consistent machine design, Ganter also offers the U-handle without electrical features under the designation GN 422.1. Plus, the illuminated pushbutton with changeover contact is also available separately without the U-handle and with all connection variants under GN 3310.



ePLAN
data portal

In addition to the established offering of CAD data for mechanical design, Ganter now also simplifies the electrical planning. For all components with electrical functions, such as U-handles with power switching, safety switch hinges and electrical level monitoring devices, the necessary information is now available as a digital twin to eliminate any system gap: the EPLAN Data Portal offers drag & drop functionality for inserting the information into the circuit diagram by macro, including the supplemental information required for EPLAN documentation. Naturally, this service is free for EPLAN users.

You can find more information at:
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Press Release 07.2019

Standing strong

Machine feet, articulated feet, levelling feet, corrosion resistant stainless steel and elegant forms: The range of levelling feet available in the Ganter portfolio is extensive. And it continues to grow because the requirements only appear simple until you take a deeper look.

There is no doubt: At the start of an engineering process, developers pay hardly any attention to the levelling feet. And yet hardly any construction can be completed without levelling feet that support the entire load of everything above them. What must levelling feet offer to stand up to the harsh conditions of industrial applications?

Above all stability, the secure acceptance of any loads, precise adjustability and long service life. And finally, they must also visually express all of these qualities.

The latter aspect is particularly exemplified by the levelling foot GN 21 just added to the Ganter assortment. It consists entirely of stainless steel, its plate is machined from solid material and exhibits a refined surface. With mounting holes in the plate, the levelling foot bears the designation GN 23.

With levelling feet GN 445 / GN 445.5, the spindle ends in a ball which moves freely in the foot, allowing differences in incline between the ground and the machine to be easily compensated. The support surface is a droplet-shaped foot of fiber-reinforced polyamide. Two holes for mounting the levelling foot are prepared and only have to be punched out. The spindles are made either of steel or non-rusting stainless steel.

Also new are the "duckfoot" types GN 42 and GN 43. Their strange name comes from the half round, half rectangular shape. These levelling feet are suitable for universal use and have tolerance-friendly slots, while ribs reinforce the plate under heavy loads. Depending on the standard, either galvanized steel or stainless steel of quality A2 is used; a vulcanized layer on the underside of the plate is optionally available.

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Levelling feet from Ganter

The two feet GN 44 and GN 45 are designed for applications in highly corrosive environments, which is why they are made of A4 stainless steel 1.4404. These have either a droplet-shaped support surface with fastening hole or they use a proven round plate shape; both variants are also optionally available with rubber underlay.

With these additions, Ganter has once again expanded its levelling feet selection with special elements – the range of options leaves hardly any wish unfulfilled. Alongside a variety of plate shapes, the spindles are available with or without locknuts, with adjustment sleeves for covering the thread as well as a variety of drive types or with internal thread – and all this in various material qualities.

You can find more information at:
www.ganternorm.com

Press Release 06.2019

Opening and closing – with specialty hinges from Ganter

From simple hinges for welding on to multi-joint hinges with complex kinematics, the Ganter selection has everything needed for superior door and flap solutions – including extra functions.

You might think that when it comes to opening and closing, all the possibilities of hinges have already been exhausted. Not even close. Ganter regularly succeeds in making further improvements to hinges, adding practical extra features or creating designs for very particular niche applications.

For heavy duty applications, for example, try hinge GN 237.3, a compact, heavy duty hinge of Stainless Steel. With a 180° range of motion, these hinges can stand up to even high dynamic wear – regardless of the mounting orientation – thanks to special shim washers. Depending on the selected type, the hinge bands also have centering extensions that ensure a tighter fit – preventing sliding and eliminating the transverse forces that otherwise place extremely heavy loads on the screws. The hinge pin is secured against loss by a recess and supplied with lifetime lubrication. An asymmetrical band arrangement and the associated possibility of a third fastening hole proves its value especially when mounted in areas with lower material cross-sections.

The hinge series GN 235, on the other hand, can be mounted with cylinder head screws and – thanks to the offset axis – still swivels by 180° without collision. Horizontal and vertical slots simplify adjustment, and the hole pattern corresponds to existing hole arrangements, making it easier to replace existing hinges.



Hinges from Ganter

Additional functionality is offered by hinges with variable friction, and in another Ganter-Norm part, an integrated spring ensures independent return of the hinge. This special product range, which also includes integrated damping, indexing and locking functions, is being continually expanded by Ganter.

One kinematic highlight is already available from Ganter: the multiple-joint hinge with 4x, 7x or 10x joint mechanism, which opens flaps and shifts their position at the same time. 180° is also standard here, and the internal installation once again makes use of slots.

With its design hinges GN 138, Ganter offers solutions for appearance-sensitive applications: the closed hinge body of die-cast zinc hides the fastening screws and is available in various sizes – soon also in Stainless Steel.

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Press Release 05.2019

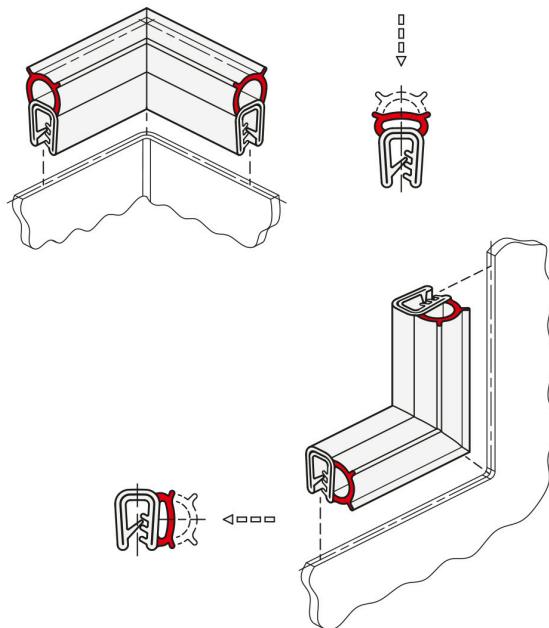
Edge protection seal profiles with corner

Ganter always thinks a step ahead and is now completing its edge protection profile product range with seal profiles with premade 90° corners.

The standard parts specialist Ganter offers a comprehensive portfolio of edge protection profiles for softening and rounding edges as well as preventing injuries on flaps, doors, access holes and sheet metal edges of all kinds.

The edge protection seal profiles with an additional seal profile from Ganter provide both protection and sealing alike. With corresponding contact pressure, they also offer protection against splash water, dust and steam while also reducing noise emissions. Depending on the application, edge protection seal profiles can be installed on either cut or bent workpiece edges. The orientation of the seal profile can be selected based on the type, situated on the top or side. The edge protection seal profiles are made of UL-compliant EPDM or of NBR, and the material NBR is particularly well suited for applications in contact with fuels or lubricants.

To also enable right-angled seal contours without the minimum installation radius that is typically necessary, Ganter has now expanded its selection with the edge protection seal profile corners GN 2181 with premade 90° corners. This eliminates the need for manually cutting the profile free, and the corner joint is tight and durable thanks to the vulcanization. The edge protection seal profile corners can be ordered with various leg lengths and shortened as necessary or extended with the corresponding profile of GN 2180. To ensure a consistent seal, the profiles are installed slightly oversized and "compressed". As a result, the joints are tightly closed and do not require an adhesive.



GN 2181 Edge protection seal profile corners
– above type A, below type D

As a special service, Ganter supplies all edge protection seal profile corners even as single parts, which is particularly useful for special solutions or applications requiring only a small number of parts. Ganter also produces edge protection seal profile segments on request, such as in a U or Z shape. Even round or rectangular edge protection seal profile frames in custom dimensions, vulcanised and closed off, can be supplied to meet all the needs of customers with regard to the respective size and shape.

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Press Release 04.2019

New developments in clamping and locking

In the area of clamping and locking, Ganter offers numerous toggle clamp versions for any conceivable application. To even better meet specific customer needs, the toggle clamp product range now also includes a wide range of new developments and improvements as well as an expanded selection of accessories.

The standard parts specialist Ganter has optimized its portfolio of toggle clamps with regard to handling, quality and assembly, bringing innovative new products onto the market. For example, product versions with integrated safety features are now available, effective immediately: The toggle clamp GN 820.3 is protected by a safety hook against unintended opening and the associated operating errors. The safety locking can be released with a single hand, if necessary. In the product version GN 810.3, both end positions of the clamp can be secured with the new locking function. This enables the use of longer clamping arms without them being closed accidentally.

As a new service, Ganter delivers the matching spindle assembly with toggle clamp orders and, if desired, also the extended clamp arm, making procurement and assembly even easier for the customer. All Ganter toggle clamps are available in steel or stainless steel, manufactured from sheet steel or forged parts and with galvanized or black-coated surface. Depending on the specific application, customers can choose between vertical clamps with vertically oriented clamping lever, horizontal clamps with horizontal lever as well as locking clamps and push-rod clamps. Thanks to the extensive selection and accessories as well as the numerous new developments, such as longer or



Toggle Clamps – Range Extended

wider clamp arms, Ganter ensures that the ideal clamping product is always available for every customer requirement.

The base element of the toggle clamps has also been improved and supplied with slot-style hole patterns to enable universal mounting to any hole patterns typically found in industry applications. These are now compatible with both American inch dimensions as well as with the metric system. This makes it considerably easier to fasten the components, such as to a production machine.

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Press Release 03.2019

Effective pneumatic clamping

Pneumatic toggle clamps fix workpieces in place, position mechanisms and hold molds together. In this way, they not only simplify handling, they also enable fully automated processes. Ganter offers a number of flexible solutions for this purpose.

Toggle clamps of the series GN 860 and GN 862 feature an important unique property: After passing through a dead point during closing, the retaining force is maintained even after loss of pressure at the cylinder. The low-wear design as well as the option to detect the position of the clamping element by means of magnetic sensors offer additional dependability. The retaining force itself is transmitted to the clamping point by a clamping arm or piston rod. A hybrid toggle clamp employs a hand lever to combine manual closing with pneumatic opening – an important feature for clamping applications requiring individual clamping but simultaneous, fast and automated releasing.

The compact power clamps of series GN 864 and higher are also designed to remain in the clamped position after a pressure loss. The sophisticated kinematics ensures that the setting action is fast while the actual clamping movement takes place slowly, making pneumatic end stop dampening unnecessary. The available types differ in terms of their clamping motions and are each sold in four sizes with astonishingly high retaining forces of up to 13,300 newtons. These clamps feature high stability, long lifespan and low compressed air consumption. The offering is rounded out by various mounting options and a large range of accessories from adjustment plates and blanks for individual jaw shapes to directly attachable proximity switches.



Pneumatically operated clamps from Ganter

The swing clamps of the series GN 875 / GN 876 perform two motions: The clamping arm first rotates by 90 degrees from its resting position, then travels in a linear motion down onto the workpiece in the actual clamping stroke. Thanks to the rotary movement, either to the left or the right, the workpiece remains accessible from above, allowing it to be positioned and removed directly. The freely selectable mounting brackets as well as the various clamping arm designs allow the clamps to be adapted to the specific situation. There is even a completely customizable adapter flange. The swivel clamps are available in block design with T-groove mounts for end stop sensors or in a compact design with male thread which can be easily mounted in a height-adjustable fashion using a threaded adapter flange.

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Press Release 02.2019

Slam latches with compact design

Elegantly designed and extremely functional: the new slam latches GN 936 from Ganter, secure against manipulation and available with or without integrated lock.

They are compact, universally compatible and secure against manipulation: The slam latches GN 936 from Ganter serve as surface-mounted latches, primarily in systems engineering. By automatically latching doors, flaps or other access points to work rooms, automation zones and machine enclosures when the latch snaps into place, slam latches are always the first choice when quick and easy solutions are required.

The new slam latches are mounted on the surface and are compatible with a very wide range of profile systems as chosen by the customer. Naturally, they can also be mounted to smooth surfaces. In the latter case, it is also possible to affix the part from the rear. Socket head cap screws, hexagon head screws and hexagon nuts, all in thread size M6, may be used for mounting. Thanks to the slot design, it is easy to adjust for different gap dimensions between the frame and the door.

The housing as well as the lock mechanisms is made of robust die-cast zinc and is available with black or silver coating. The latches and covers are produced of plastic in matching colors featuring a subtle texture. A wide bevel running around the edge gives the slam latch an elegant and lightweight appearance, as does the accentuated shape of the release grip. The compact standard part is available in three versions: a non-lockable variant entirely without lock and two versions, one with universal key and one with a unique key.



Slam latches GN 936

In addition to the robust design, protection against manipulation was a high priority during development: The catch and the latch engage with an offset and with relative positioning that prevents unauthorized opening right from the start. The front or rear mounting options are also designed in consideration of security aspects. In the closed state, the slam latch cannot be removed. The mounting points remain hidden under plastic covers that can only be removed while the slam latch is open. Only then is it possible to access the screws.

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Press Release 01.2019

Heavy duty feet with levelling function

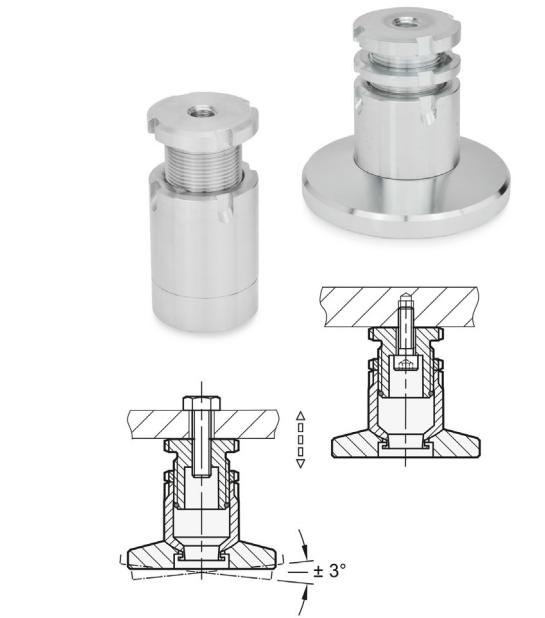
A sloped or uneven floor can be a challenge, such as when it is necessary to precisely align a machine. The new levelling feet GN 360 from Ganter offer a solution. Even for the heaviest equipment.

Ganter takes a pragmatic perspective. For one thing, the standard parts experts regularly discover gaps in the already gigantic selection and develop clever new solutions for specific requirements. The cleverness lies in the iterative approach followed by the designers in Furtwangen, optimizing and enhancing the functionality of elements that have already proven themselves in practice. One recent example of this development philosophy is the levelling foot that is now included in the Ganter portfolio under the designation GN 360.

In principle, the new levelling foot represents an improvement on already familiar levelling elements that compensate for level differences by means of an adjustable spacer bushing. The levelling foot incorporates this height flexibility but also features a compensating foot disk. This is permanently attached, articulated and can incline three degrees from the horizontal in any direction.

After deduction of an appropriate safety factor, the load capacity of the levelling feet ranges from 7 to 22.5 tons, depending on the size. For each of the three nominal sizes, two foot disk diameters are available, selectable via item number, to keep the contact pressure on the floor within tolerable limits. The levelling feet are available in two materials – in a galvanized steel version as well as in high-quality, non-rusting A2 Stainless Steel.

The compensating element is levelled by means of fine thread between the foot and support elements using a C-Spanner and can be locked, if necessary,



Levelling sets GN 360

with a slotted nut that can be easily ordered for each type. Thanks to an integrated circlip, the levelling thread can be prevented from being unscrewed completely, ensuring the minimum screw-in depth. The levelling foot itself is fastened to machines and plants either from above using the female thread in the support element or from below using the female thread in the machine base.

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Press Release 09.2018

Clamp mountings for all needs

Ganter is expanding its clamp mounting selection with new elements that will ensure simpler, more optimal and more flexible clamping of system-specific components.

The clamp mounting selection of Ganter has always been designed with universal use in mind, and the individual elements feature correspondingly versatile designs. The robust system enables the fast, reliable and modifiable mounting of additional components in plants and machines. The classic applications for these parts include, for example, the stable attachment of sensors while still permitting easy adjustment of their position and coverage area.

As with all standard parts in the Ganter portfolio, the clamp mounting selection is constantly being optimized and expanded to make them more efficient, simpler to use and easier to integrate. As many users have utilized the twistable two-way clamp mounting GN 475 to arrange attachment rods in parallel, Ganter was inspired by this application to create the clamp mounting GN 474.1 with two parallel clamping holes.

The new retaining rods GN 480.3 and GN 480.5 of stainless steel also help make the system easier to use as their offset or angled shape eliminates the need to combine multiple straight elements. Thanks to its barbed fitting, the hose adapter GN 480.7 permits the direct connection of hoses on one side and thread-based mounting of an outlet nozzle on the other side. As a result, lubricants, coolant or compressed air are transported more effectively to the parts of a system where they are needed.

Also new in the clamp mounting range: T-clamp, base plate and simple swivel clamp mountings can be assembled into a freely configurable articulated clamp mounting using the clamping kit GN 511.1. The clamping kit centers and connects the two clamp mountings with a screw or adjustable hand lever such that



Clamp mountings from Ganter

they are still free to swivel. But even used individually, the swivel clamp mountings offer a wide range of fastening and mounting options.

Because Ganter always has the user in mind, all clamp mountings of a given nominal size can be mounted using the same tool; even the fastening and clamping holes have identical dimensions. This allows changes to be made without the need to drill new holes. Ganter goes another step further with the retaining magnet GN 51.6, which makes holes entirely obsolete. An integrated thread establishes the connection with various clamp mountings – this makes the rubber-coated magnet ideal for temporary installations on sensitive surfaces.

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Press Release

Hygienic Design for Standard Parts

Ganter develops sealed standard stainless steel elements that meet stringent hygiene requirements.

Maximum hygiene is one of the absolutely basic prerequisites wherever food is produced. However, hygiene also plays a major role in other sectors — from medical technology and the pharmaceutical industry to manufacturers of dispersion paints. Today, it is all about producing products without preservative additives — and this is only possible in production environments which have high purity levels. Since even the tiniest weak points can cause entire production lines to be contaminated, Ganter decided to develop a special series of standard parts that meet the very high EHEDG requirements and the 3-A Sanitary Standard.

Ganter offers a variety of knobs, handles, clamping levers, leveling feet and screws under the label „Hygienic Design“, all of which are optimized for minimal contamination and easy cleaning. Stainless steel — with either ground or polished surfaces — is the material used in all of these cases. The maximum surface roughness is kept below Ra 0.8 µm, so that dirt particles cannot adhere and can be reliably removed during cleaning.

Another key feature of the Ganter standard parts is their freedom from „dead space“. There are no interior areas in which substances can accumulate. A hygienically safe sealing concept, verified by software simulation, guarantees that the FDA-compliant elastomer seals are all installed flush with the surface and fulfill their function in the long term. This prevents problems from developing without being noticed. At first glance, most standard parts appear to be located far away from the actual work areas, but airborne spores from microorganisms can spread rapidly and widely.



Product family Hygienic Design

To prevent damage to the surfaces during assembly, tools with special protective inserts must be used. Ganter provides information regarding suitable cleaning procedures in the enclosed instructions. Standard parts in the „Hygienic Design“ line of products reduce cleaning effort; they are easier, and most of all, faster to clean due to the „clean in place“ concept, which allows a system to be operated more cost-effectively in the long term.

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Press Release

Ganter - the secret champion from the Black Forest

With over 60,000 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 400 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 60,000 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 1,900 pages in the most recent 17th 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.

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Range summary from Ganter

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.

You can find more information at:

www.ganternorm.com