

Standard Parts. **Ganter.**

Press Kit





Standard Parts. Ganter.

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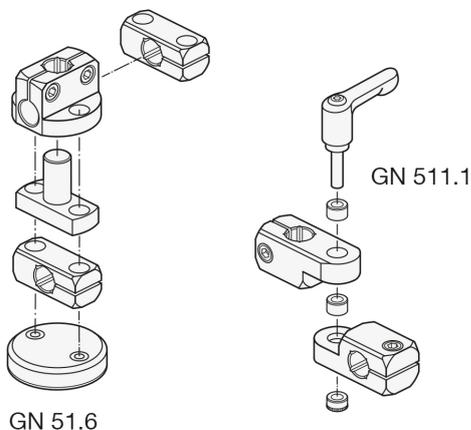
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Standard Parts. Ganter.

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 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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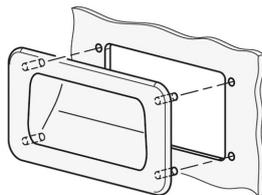
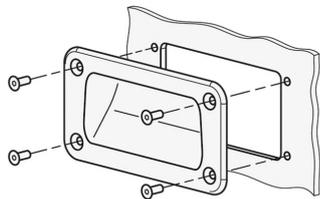
Press Release
08/2018



GN 7330



GN 7332



Gripping trays – for a streamlined grip

Elegantly covered or visibly bolted, available in a variety of surfaces and colors: The gripping trays GN 7330 and GN 7332 are new additions to the extensive standard parts selection of Ganter.

In contrast to typical handles, gripping trays offer the advantage that they are flush to the surface, making them ideal for applications that require saving space, such as in vehicle assembly or in the production of flightcases for event equipment.

Ganter, the standard parts specialist in the Black Forest, now offers customers the two new gripping trays GN 7330 and GN 7332 with two different standard mounting options: The gripping trays can be mounted either from the operator's side with countersunk screws or from the back with grub screws. In addition, Ganter offers both gripping trays with or without sealing.

With the sealed front mounting versions, countersunk sealing screws together with the housing sealing prevent the entry of any fluids or dust into the housing interior. This solid construction has been tested to verify optimal compliance with the protection class IP 66 "Protection from total dust ingress" and "Protected from high pressure water jets from any direction".

The gripping trays GN 7330 are made of die-cast zinc and supplied with a powder coating in the standard colors black or silver. Coating in a different color is also possible on request. In addition, Ganter customers can choose between the two different housing lengths of 127 and 155 mm.

The Stainless Steel-Gripping trays GN 7332 are available with a length of 155 mm and are made of high-quality deep-drawn, rust-free stainless steel sheet with a surface blasted to a fine matte finish. The grub screws used to mount the tray from the back are not visible from the front, ensuring a dignified mounting to match the refined appearance of these gripping elements.

You can find more information online at www.ganter-griff.com.

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Press Release
07/2018



A clean connection: New Stainless Steel screws and nuts in Hygienic Design

The standard parts specialist Ganter is expanding its hygienic design product family with new screws and nuts of non-rusting Stainless Steel as well as FDA-compliant elastomer sealing rings.

Hygienic cleanliness is not only an essential prerequisite in the food and pharmaceutical industries. Other areas of industry, such as the manufacturing of dispersion paint for use in construction, also profit from high hygiene standards. This often makes it possible to do without preservatives without compromising on the product lifespan.

Production machines and their environment require thorough cleaning to achieve this. When using typical components, this means time-consuming and costly disassembly, long machine downtimes and massive consumption of water, cleaning agents and energy. Not so when using components of hygienic design: These are made of high-quality materials with particularly smooth surfaces, making them significantly easier to clean, especially while still installed.

To continue this approach, Ganter is now expanding its hygienic design product family with nuts and screws of Stainless Steel under the designation GN 1580 that optimally satisfy the high requirements of EHEDG. They are designed with special geometry and a surface roughness of $< 0.8 \mu\text{m}$, which causes liquids to quickly bead up and accelerates the drying process after cleaning. The standard design incorporates FDA-compliant elastomer sealing rings on the contact surface that are practically impossible to lose and situated cleanly centered within the machined cavity. When installed, they withstand the required compression without being overloaded.

The sealing rings are available individually under the designation GN 7600 in a variety of dimensions and can also be supplied in other materials, upon request. They can therefore be used as replacement parts for the nuts and screws, while also enabling the hygienic fastening of additional parts without dead space

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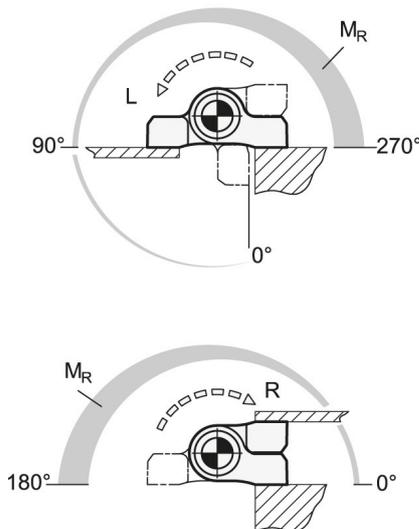
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Press Release
06/2018



Hinge automatically opens and closes doors

A new hinge made of high-performance polyamide with a spring-loaded return function has been added to Ganter's extensive line of hinges.

As a one-stop shop, Ganter maintains a comprehensive portfolio in the product group "Hinging and latching of doors and covers" for every possible option with hinges of all designs, an extensive range of locks, and a host of accessories and edge protection seal profiles.

Ganter now offers the GN 233.3, a new functional hinge made of plastic. The return function automatically restores the hinge and attached cover or door to the initial position once it is released. The hinge is therefore ideally suitable for automatically opening and closing doors or keeping them closed.

In addition to the restoring torque, the functional hinge can also withstand great mechanical stress since it is made of a particularly durable high-performance polyamide, and therefore boasts of particularly high mechanical strength. The aluminum rotating sleeve and Stainless Steel torsion spring offer maximum wear and corrosion resistance. In tests, the ingenious design leaves the restoring torque unchanged over 100,000 actuation cycles.

Ganter, your Black Forest specialist for standard parts, offers numerous designs for the new functional hinge as usual: The hinge can be easily configured and ordered to meet individual needs, be they left or right return, high or low spring restoring torque, or for supplemental hinges without a return spring. In line with normal policy, Ganter maintains a specific solution for every use.

You can find more information online at www.ganter-griff.com.

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Press Release
05/2018

Ganter Design Awards

Three standard parts, three design awards – In addition to receiving the iF DESIGN AWARD and Red Dot Award, Ganter has also been given the prestigious German Design Award for outstanding design.

Industrial design not only makes products more appealing to the eye, it also enhances their value as a whole. Design optimizes ergonomics and functionality, which Ganter shows with its GN 126 adjustable flat tension levers and its GN 328 cabinet „U“ handles and GN 428 machine handles.

Thanks to their modern form, these standard elements are ideally suited to the appearance of modern machines and systems. In this way, details such as handles and levers can be implemented with the same high level of design as the machine itself, regardless of the batch size. The option of customizing size or color in a simple yet cost-effective manner further enhances the possibilities for use. Internal recessed grips and exact edge rounding ensure noticeably improved ergonomics.

The fact that Ganter has chosen the right partner in design agency Corpus-C in Fürth is demonstrated by the awards received from three independent juries:

The flat adjustable tension levers GN 126 received the iF Design Award and the German Design Winner Award 2019.

The cabinet „U“ handles GN 328 and GN 428 also received the coveted Red Dot Award and the German Design Special Award 2019.

The GN 126 adjustable flat tension levers are characterized by their dynamic shape, produced by zinc die-casting and finished with a plastic coating, and are ideal wherever pivoting ranges are limited. The integrated serration allows for the position of the handle to be adjusted without having to loosen it. If required, the same GN 126.1 shape is available with a completely stainless steel interior.

The GN 328 and GN 428 cabinet „U“ handles and machine handles are made of cast aluminum or a bent aluminum profile and are also available with different surface finishes. For applications in particularly corrosive environments, the GN 328.5 cabinet „U“ handles are also available in stainless A4 precision cast stainless steel.

You can find more information online at www.ganter-griff.com.



GN 126



GN 328

GN 428



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Standard Parts. Ganter.

Press Release
04/2018

More than a catalog

Presenting Ganter's new german catalog.

Standardization does not mean you have to renounce diversity. Ganter proves this with probably the most comprehensive program of standard parts in the world. The new german 17.0 catalog, thanks to extensive supplementary information, serves as an idea generator and design manual in one.

As the market leader in standard parts, Ganter has published version 17.0 of its german catalog, which is even more extensive than the previous edition: Now, more than 60,000 standard parts can be found on 1,920 pages - in addition to popular classics, there are various parts for very specific applications, because Ganter is regularly expanding its portfolio based on customer-oriented adaptations or new developments. This led to an additional 224 pages in the 17.0 catalog, with over 70 new standard parts covering a wide variety of applications and requirements. For a quick overview, a sophisticated structure ensures that all standard parts are sorted according to their function and application into the three main groups: operating, clamping and machine elements. The offer is also categorised by function into product subgroups, greatly simplifying the selection of the appropriate standard part.

Of course, all products are presented in detail in the proven form on individual standard sheets - including variants, specifications, dimensions, related elements, accessories and application notes. Thanks to the systematic coding, each standard part has a unique order code, all standard parts can also be ordered directly in the on-line shop, and orders usually arrive at the customer within 24 hours.

It goes without saying that all information, including 2D and 3D data, is also available digitally - either via DVD or always up-to-date on the company's website. This makes it possible to integrate Ganter standard parts directly into your design concept. And yet, the paper-based catalog remains an important tool because it is not just an ordering book, but a highly practical design compendium thanks to the extensive supplementary information, the technical appendix and various application examples.

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Press Release 03/2018

Invisible and highly mobile

Design, functionality and more leeway with 180° multiple-joint hinges installed on the inside.

Ganter standards experts are used to providing unconventional Ganter-standard application solutions for a wide range of applications. After all, the goal is to make it as easy as possible for the customer to use standard elements by means of illustrative product descriptions. It is quite normal that every now and then, a 180° turn around the corner must be considered.

In the truest sense of the word, this requirement also applies to the Stainless Steel-Multiple-joint hinges GN 7237, which are now included in the Ganter product line. Although they are installed to be space-saving and vandalism-proof inside the housing they allow a 180° opening angle of the flaps, hatches and doors. This helps achieve optimum accessibility to the housing interior and at the same time, it avoids the blocking of escape routes by open doors, for example. Moreover, the housing exteriors remain free of attachments that do not match the design or that should be avoided entirely in the interests of easy cleaning.

The Stainless Steel-Multiple-joint hinges are made up of fixing angle pieces, which are mounted on the housing or the door, and an intervening 7-speed, clearance-free, self-lubricated joint mechanism. Thanks to the movement of the joint mechanism designed by simulation software, when opening, for example, a flap is first slightly lifted and then swung by 180°.

Maximum flexibility in installation: Long holes in the mounting bracket and spacer plates make the hinge adjustable on three levels. For easy mounting, threaded plates and spacer plates are available as accessories.

To meet more complex applications with specific opening or motion sequences, Ganter also offers custom-made solutions that go beyond conventional hinge usages, as required, with a 4- or 10-fold joint mechanism as a lifting or pull-out system.

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Standard Parts. Ganter.

Press Release
02/2018



GN 706...



GN 707...

Set collar – standard part only?

No, the set collar is not a simple standard part; in fact, it represents a sophisticated and multifaceted element. At least when it comes from **Ganter**.

A total of 18 different set collar types can be found in **Ganter's** standard parts range. This starts with the standard set collar GN 705, which is clamped in place radially using a grub screw according to DIN. The **Ganter** standard range is rounded out by additional sizes that are not contained in the DIN standard but are nevertheless practical options.

Semi-split set collars of the family GN 706..., which establish a frictional connection to the shaft by reducing the slot height with a socket head cap screw, are available in aluminum, steel and stainless steel. The latter are available with additional damping elements or holes for the fastening of flanges or other attachments.

Fully split set collars of the family GN 707... permit both axial and radial mounting to shafts; the clamping also takes place by reducing the slot height, but in this case using two integrated socket head cap screws. Here as well, **Ganter** offers sub-variants with damping elements or holes for the fastening of flanges or other attachments. Corrosion-resistant and lightweight set collars of fiber-reinforced polyamide round out the range of split designs.

For applications that require frequent and tool-free repositioning of the set collar, **Ganter** offers designs with either a cam lever or clamping lever. As a separately-available accessory, the adjustable clamping lever (as an alternative to the socket head cap screws) converts any set collar into a "quick-clamping variant". Supplemental accessories such as self-adhesive damping washers and sensor holders expand the possible uses of the set collars.

To ensure a good overview of this wide selection of different elements, **Ganter** has prepared a dedicated highlight brochure for this topic. This brochure lays out all the set collar variants with their specifications and dimensions in a clearly-structured way, including a product matrix that makes it exceptionally easy to find the right set collar and accessories for a given application.

You can find more information online at www.ganter-griff.com.

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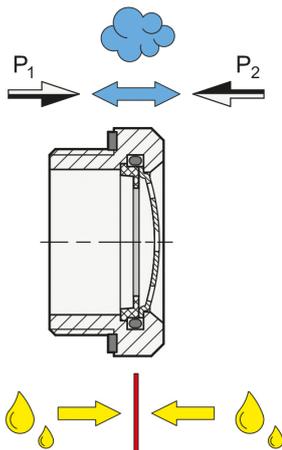
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Press Release 01/2018



Two-way breathable membranes GN 7404



Oil and water-repellent membrane

With a pore size of 1.2 μm , oleophobic and hydrophobic membranes GN 7404 provide reliable aeration and ventilation, allowing no dirt particles or droplets of oil or water to pass through the membrane.

In order to compensate for pressure differences in both directions, Ganter already offers various aeration and ventilation elements with integrated filters and sieves. As a new change to its product line-up, Ganter now also offers elements equipped with membranes alongside these standard parts. This makes it possible to prevent even smaller particles and, above all, oil and water droplets from passing through the ventilation openings. Dirt and moisture are kept away from the inside of the housing, and lubricants such as oils cannot escape. While the previous filter and sieve elements have a minimum mesh size of 100 μm , the standard membrane pores are only 1.2 μm in size.

Externally, the robust membrane is additionally protected against mechanical stress by a protective sieve made of stainless steel. Ideally, the standard part GN 7404 should be installed in vertical surfaces so that no liquids can collect on the membrane, which could impair the pressure balance. At a nominal differential pressure P_1 to P_2 of 1 bar, the maximum air flow – depending on the diameter – is up to 34 l/min. The membrane even retains its function up to an external pressure differential of 2 bar or an internal pressure differential of up to 10 bar. The maximum operating temperature is 100 °C.

The membranes themselves are made of a nylon fleece impregnated with an acrylic copolymer, and although the fibers are wetted, the porosity remains unchanged and can range between 0.2 and 10 μm if desired.

Using a special process, the membrane is robustly bonded to a plastic ring socket by injection molding so that it can be firmly inserted into the stainless steel or aluminum screw fittings, sealed by an O-ring.

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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.

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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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.

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.

Find out more at www.ganter-griff.com