



PressKit



Table of contents

	No.
White and hygienic GN 341.1 and GN 341.2	11/2014
Linear motion	10/2014
Plug and lift - Lifting pins GN 1130	09/2014
Standard parts in A4 stainless steel	08/2014
Gripping trays perfect in form	07/2014
Stepless stopping, fixing and clamping GN 826	06/2014
The rich world of linear actuators	05/2014
Better grip GN 5345	04/2014
New product family - Standard parts for profile systems	03/2014
Slim handles with design award GN 423	02/2014
Standard parts - outside the norm	01/2014
Ganter - the secret champion from the Black Forest	

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Standard Parts. **Ganter.**

Press Release 11.2014



White and hygienic

Stainless steel levelling feet have been designed for more demanding requirements. Ganter now offers the GN 341.2 standard elements also with white rubber underlay.

The regulations for professional applications such as food processing or food production are particularly stringent and also cover details such as hinges, handles or levelling feet. For these highly specialised and sensitive scenarios, Ganter also has a wide range of suitable standard elements. Easy cleaning, smooth surfaces, large radiuses without gaps or joints characterise this product category, among it the GN 341.1 stainless steel hygiene levelling foot.

These positioning elements not only guarantee a safe and sturdy stand, they also allow the units they carry to be adjusted by as much as 40 mm – with an adjustment sleeve concealing the thread and so preventing problematic deposits in the thread. In general, the design avoids sharp edges or small radiuses – which makes cleaning a great deal more convenient. Stainless steel with its smooth surface also makes disinfection easier and prevents germs from collecting.

The rounded base plate of the levelling foot features a rubber underlay which absorbs shock and prevents undesirable deposits from collecting between the base of the levelling foot and the positioning surface. The robust rubber layer is firmly vulcanized and seamlessly connects with the solid sheet metal plate. This rubber underlay is normally black, but Ganter now offers the levelling foot in a white design variant GN 341.2 – with discoloration and undesirable markings caused by the levelling foot now a thing of the past. And, thanks to the white rubber underlay, dirt and desposits are now identified much easier. After all, white still signals cleanliness and purity.

Find out more at www.ganter-griff.com

Ansprechpartner Contact

Axel Weber

Durchwahl direct extension

+ 49 (0) 7723 6507-226

E-Mail Email

axel.weber@ganter-griff.de

Otto Ganter GmbH & Co. KG

Normteilefabrik

Triberger Straße 3

78120 Furtwangen

Telefon +49 (0) 7723 6507-0

Telefax +49 (0) 7723 4659

www.ganter-griff.com

Standard Parts. Ganter.

Press Release 10.2014



Linear motion

Machine sliding doors or plant components of special machinery – these elements, often real heavy-weights, can hardly be moved without linear guide systems. Ganter has not one, but several new models in its standard range.

At the start of the leading technology trade fairs for mechanical engineering and automation engineering, standard element specialist Ganter presents its latest extension to its product range: linear motion bearings and roller guide systems, elements which are virtually indispensable in applications involving mechanical engineering and handling technology.

Linear motion bearings are structured similar to radial ball bearings. They have an outer rail in which a runner moves in linear direction, kept in the proper distance and position with roller bearings and a cage. Different models are available for different applications in which the traversal distances of the runners are either inside, partly outside or fully outside the rails. In the fully retractable “telescope” linear motion bearings, two linear motion bearings are linked directly or via intermediate profiles.

Roller guide systems are made up of one outer rail with rollers or roller carriages moving inside these rails. There is a choice of 3 roller carriages which differ in terms of attachment, material and sealing and which are equipped with 3 rollers in the standard design. The rails are available either as floating bearing rails or as fixed bearing rails and in two types of mounting holes. High traversal speeds and excellent running smoothness are the outstanding features of these roller guide systems made by Ganter.

The use of high-quality antifriction bearing and heat-treatment steel and the anticorrosion zinc plating guarantee low wear and tear and a long service life.

Both, the linear motion bearings and the roller guide systems are available in 3 or 4 nominal sizes, in standard lengths, ex warehouse and – on request – also in customised lengths.

Find out more at www.ganter-griff.com

Ansprechpartner Contact

Axel Weber

Durchwahl direct extension

+ 49 (0) 7723 6507-226

E-Mail Email

axel.weber@ganter-griff.de

Otto Ganter GmbH & Co. KG

Normteilefabrik

Triberger Straße 3

78120 Furtwangen

Telefon +49 (0) 7723 6507-0

Telefax +49 (0) 7723 4659

www.ganter-griff.com

Standard Parts. **Ganter.**

Press Release 09.2014



Plug and lift

The new GN 1130 ball-type lifting pins make the handling of machine elements, production tools, heavy workpieces and other parts easier, quicker and safer.

Plug and lift – that's how easy it is to move heavy loads with the new Ganter GN 1130 ball-type lifting pin. All the self-securing lifting pins need is an appropriately dimensioned bore hole in the building member or a GN 1132 holding bush which is turned in permanently or, if required, countersunk. Complex interfaces and voluminous elements attached to the building member such as eye bolts or welded lugs can so be avoided.

Together with the lifting straps, chains or ropes attached to the drop-forged shackle of the lifting pin, this creates a highly compact lifting unit for the quick and time-saving slinging of loads to be lifted.

The mode of function of the ball-type lifting pin is as easy as it is safe: turned into the bore hole or inserted into the compatible holding bush, the locking balls lock the pin and prevent pullout. Pressing the red button secured with a bar will unlock the locking balls and allow the lifting pin to be removed at once. With the appropriate dimensions, the lifting pins are capable of carrying loads of as much as 480 kilograms, with a five-fold safety factor given against breakage. The shackle turning by 180 degrees, and the lifting pin itself rotating in the holding bush by 360 degrees, guarantee the proper alignment of the direction of tension under load.

The lifting pins are either made of manganese-phosphated steel or stainless steel and are therefore corrosion-resistant. Thanks to the all-metal construction, the lifting pins can be fully loaded even at temperatures as high as 250°C. Next to the RoHS conformity, the lifting pins and the holding bushes are CE certified and TÜV tested.

The use of ball-type lifting pins is particularly advantageous in cases where elements need to be lifted or relocated often in order to keep setting-up times and hence the handling costs of work-pieces, fixtures and tools to a minimum.

Find out more at www.ganter-griff.com

Ansprechpartner Contact
Axel Weber

Durchwahl direct extension
+ 49 (0) 7723 6507-226

E-Mail Email
axel.weber@ganter-griff.de

Otto Ganter GmbH & Co. KG
Normteilefabrik
Triberger Straße 3
78120 Furtwangen
Telefon +49 (0) 7723 6507-0
Telefax +49 (0) 7723 4659
www.ganter-griff.com

Standard Parts. Ganter.

Press Release
08.2014

Ultimate corrosion resistance: Standard parts in A4 stainless steel

When it comes to corrosion resistance, stainless steel is the first choice. This is why Ganter has for many years offered standard parts in A2 grade – and most recently also in the even more resistant A4 stainless steel grade. Shipbuilding and offshore constructions are the beneficiaries.

Enhanced corrosion resistance has become an ever more important requirement in many different industries – with stainless steel gaining in importance because the material not only safeguards hygiene standards, but also ensures a long service life, low or no maintenance and therefore makes for safe investments.

The Ganter range of products has always featured many standard elements made of non-rusting steel. But stainless steel is not necessarily the same as stainless steel: today's material compendiums list around 120 grades with different alloy proportions. While Ganter has so far focused on the use of A2 grade, one of the market leaders in standard parts now offers selected products in the even more corrosion-resistant A4 variant – specially intended for use in chloride-rich environment, for instance within reach of the sea.

These include the matt shot-blasted handwheels GN 227.4, DIN 39 ball grips, drop-forged DIN 580 eyebolts and eye nuts DIN 582. The hinges GN 237, GN 128.2 and GN 129.2 are now available in A4 stainless steel, and so are cabinet „U“ handles (GN 425), star knobs (GN 5334.4), three-star handles (GN 5345.4), and one and two-armed clamp nuts (GN 99.6 and GN 99.8) as well as slotted and split set collars (GN 706.2 and GN 707.2).

It is mainly the chrome, nickel and molybdenum constituents which lend the A4 austenite steel its high resistance against chloride and acids. All this makes Ganter's A4 standard parts the ideal choice not only for use in shipbuilding or in the offshore industry, but also for the food sector, for pharmaceutical and medical applications or for swimming pool construction with its chlorinated water or water rich in minerals. A wide field, in other words. One reason why Ganter will gradually enlarge and expand its offer of standard parts in A4 stainless steel.

Find out more at www.ganter-griff.com



Standard parts in A4 stainless steel

Ansprechpartner Contact

Axel Weber

Durchwahl direct extension

+ 49 (0) 7723 6507-226

E-Mail Email

axel.weber@ganter-griff.de

Otto Ganter GmbH & Co. KG

Normteilefabrik

Triberger Straße 3

78120 Furtwangen

Telefon +49 (0) 7723 6507-0

Telefax +49 (0) 7723 4659

www.ganter-griff.com

Standard Parts. Ganter.

Press Release
07.2014

Gripping trays perfect in form

Easy, clean, quickly installed: with the new GN 731 series of handles, Ganter expands its extensive range of gripping elements. The attractively designed gripping trays are mounted by snap-in function.

Folding handles for assembly in doors, machines, containers or safety equipment are just some of the interesting standard elements in Ganter's range. It includes the GN 425.8 folding handle with powder-coated zinc die-cast handle with recessed tray and handles made of chromed steel or stainless steel, the GN 825.1 plastic folding handle with spring-loaded return and the GN 825.2 folding handle also made of polyamide whose handle drops down flush into a tray.

While all these elements are fixed with two or four screws, the new GN 731 gripping trays are mounted without screws with snap-in function. As there is no need to set drill holes, there is a clear time advantage when it comes to assembly, coupled with virtually unlimited options of use.

The new handle series made of glass-fibre-reinforced polyamide are available in different design variants which differ in terms of dimensions, shape and properties.

First, there are the attractive GN 731 gripping trays in the Ergostyle design – available in three sizes and in black-grey and white Cleanline versions. The slimmer GN 731.1 is offered in two sizes and three colours. Beside the standard design, both series are also made in self-extinguishing thermoplastic material on request.

Very similar to GN 731 in external appearance, GN 733 gripping trays differ by needing two screws covered by a small cap in six Ergostyle colours. The standard element, temperature-resistant up to 100°C, is fitted in return with an optional flap to close off the gripping tray (Type S).

Next come the GN 739, specially developed for sliding doors and therefore designed for bi-directional use. The gripping trays made of glass-fibre-reinforced polyamide are available in black-grey or in white Cleanline design.

Find out more at www.ganter-griff.com



Gripping trays and Folding handles

Ansprechpartner Contact

Axel Weber

Durchwahl direct extension

+ 49 (0) 7723 6507-226

E-Mail Email

axel.weber@ganter-griff.de

Otto Ganter GmbH & Co. KG

Normteilefabrik

Triberger Straße 3

78120 Furtwangen

Telefon +49 (0) 7723 6507-0

Telefax +49 (0) 7723 4659

www.ganter-griff.de

Stepless stopping, fixing and clamping



Clamping elements GN 826

Whenever adjustable spindles with control knobs or small handwheels need to be operated and secured against twisting and turning, Ganter's clamping elements GN 826 are just the job.

Spindles for manual adjustment are normally operated using control knobs, control handwheels and handwheels. This virtually universal solution works perfectly, but it needs an extra element to secure the position of the spindle against dislodging forces caused by vibrations, for instance. For this job, Ganter has a pretty inconspicuous but very practical standard element in its product range.

Available under the Ganter standard 826, this clamping element made of black anodized aluminium with its reliable and gentle wedging mechanism allows the stepless stopping or braking right through to the full clamping of the spindle. Mounted between adjusting element and spindle bearing, the desired spindle mobility can so be accomplished depending on requirement. Using a clamping screw, the brass clamping wedge is pushed over the spindle axis and the secure loosening action is ensured by the clamping screw moving along when turned back.

If fast and frequent re-clamping actions are required, the design version with a compact adjustable handle is the best choice. In its Type H, it takes the place of the clamping screw which is normally adjusted using a hexagonal box spanner. To account for a wide variety of different installation situations, the ring-shaped standard element can also be mounted with the clamping screw pointing to the right or the left.

The GN 826 has also been designed such that it can function as a spindle store for axes diameters ranging from 8 to 10 millimetres. Like virtually every Ganter standard element, GN 826 also conforms with RoHS.

Find out more at www.ganter-griff.com



PRESSE-BOX

Ansprechpartner | *Contact*

Axel Weber

Durchwahl | *direct extension*

+ 49 (0) 7723 6507-226

E-Mail | *Email*

axel.weber@ganter-griff.de

Otto Ganter GmbH & Co. KG

Normteilefabrik

Triberger Straße 3

78120 Furtwangen

Telefon +49 (0) 7723 6507-0

Telefax +49 (0) 7723 4659

www.ganter-griff.com

The rich world of linear actuators



Double tube linear actuators GN 491, GN 492

Moving and positioning plant and system components is all part of a good day's work in mechanical engineering. Ganter offers the full range, including linear double tube actuators.

Whenever ultimate distortion resistance and flexural strength are required from linear actuators when they move and position large masses in any installation position, linear actuators with dual support are the first choice. With the GN 491 and GN 492 double tube linear actuators, Ganter offers the appropriate standard parts with a guide system consisting of two parallel tubes which allow different configurations and can therefore be adapted to highly specific requirements.

While the GN 491 double tube linear actuator features a compact slider size, the GN 492 works with a double slider carrying a large adapter plate. In both models, the central trapezoidal thread spindle rising left or right runs on ball bearings and is mainly intended for manual adjustment using a handwheel, but can also be motor-driven via the journal if the appropriate lubrication is used. With a stroke along the chromed, low-maintenance steel tube guides within the standard range from 100 to 300 mm, the rolled steel spindle allows the guide nut - and therefore the slider - to be positioned with ultimate precision to a stroke of 0.2 mm / 300 mm. The unit is installed via the numerous fixing options including through and/or thread bores at the end pieces and at the slider. The specially designed flat recess of the through bores optionally take hexagonal screw heads or nuts, as well as the round heads of cylinder head screws.

Other double tube linear actuators are available on request, for example with special slider sizes, with several symmetrically opposing sliders or sliders running separately and with central support. This means that Ganter has the matching component for virtually all applications - and as always in ultimate quality and delivered the next day.

The same applies to the single linear actuator units GN 291, GN 292 and GN 293 with one or two sided journals and a guide tube made of chromed steel or stainless steel. Next to the units with circular cross-section, the GN 291.1 with square cross-section is available for very special applications.

Find out more at www.ganter-griff.com

PRESSE-BOX

Ansprechpartner | Contact

Axel Weber

Durchwahl | direct extension

+ 49 (0) 7723 6507-226

E-Mail | Email

axel.weber@ganter-griff.de

Otto Ganter GmbH & Co. KG

Normteilefabrik

Triberger Straße 3

78120 Furtwangen

Telefon +49 (0) 7723 6507-0

Telefax +49 (0) 7723 4659

www.ganter-griff.com



Better grip



Ganter's stainless steel three-star knobs are particularly suitable for applications requiring a high degree of hygiene. With the new GN 5345 / GN 5345.4 three-star version, Ganter has made a big step forward in functionality.

Always mindful of the ultimate application, Ganter manufactures stainless steel star knobs from a single piece of metal. For a good reason: multi-part elements invariably have joints and gaps where particles of dirt and bacteria can settle, there is now no way dirt and bacteria can settle on these new star knobs. The sealed surface and the large radii at the corners and edges make cleaning and disinfecting the knobs easy work. Free of problem zones, these standard elements are especially suitable for the food industry and for use in medicine and the pharmaceutical industry.

With the GN 5335, Ganter has for many years offered a hygienically optimised standard part, with an ergonomically improved family of knobs now following under the designation GN 5345. With its characteristic shape, the new three-star knob with three recessed shell-type grips delivers a much better transmission of power, allowing higher torques when tightening the knobs by hand.

The GN 5345 three-star knob is available with matt blasted surface. Next to the hygienically perfect design variant with tapped blind hole and sealed front, Ganter also offers a variant with threaded through hole or an unthreaded version for special threads.

Available in stainless steel grades AISI 303 and AISI 316L (GN 5345.4) and with thread sizes M6 to M12, the knobs conforming with RoHS are also a practical and attractive choice in perfectly normal applications, because appearance, touch and functionality harmonise in perfection.

Find out more at www.ganter-griff.com



PRESSE-BOX

Ansprechpartner | *Contact*

Axel Weber

Durchwahl | *direct extension*

+ 49 (0) 7723 6507-226

E-Mail | *Email*

axel.weber@ganter-griff.de

Otto Ganter GmbH & Co. KG

Normteilefabrik

Triberger Straße 3

78120 Furtwangen

Telefon +49 (0) 7723 6507-0

Telefax +49 (0) 7723 4659

www.ganter-griff.com

New product family - Standard parts for profile systems



This icon marks standard parts which are compatible with profile systems.

The assembly sets GN 965 and GN 968 make the use of standard parts together with profile systems even easier.

Industrial applications are hard to imagine without profile systems, considering that they offer virtually unlimited uses - for production facilities as much as for workstations, housings, test stands or test structures. The aluminium profiles with their square cross-section and the four-sided assembly slots are interconnectable in many different configurations and can be fitted with other grid-compatible elements. And this is precisely why Ganter has now included two special standards in its product range – the assembly sets GN 965 and GN 968. Both sets consist of a screw-nut combination which exactly matches the slots of the profile system and which allow other standard parts to be attached, for instance handles, connectors, hinges, indexing plungers or clamp holders – all available from Ganter, of course..

The assembly set GN 965 is suitable for profile system of grid dimensions 30 or 40 mm with slot widths of 6 and 8 mm and includes a nut for T slots (GN 506) and the fixing screw with internal hexagon in different head shape variants in accordance with DIN/ISO.

The guide lip positions the nut parallel and centered in relation to the slot which makes the sliding motion easier and prevents twisting when the nut is tightened.

The spring element (ball / pressure spring) prevents the inadvertent displacement of the nut inside the slot, something which is particularly advantageous when the profile rail is arranged vertically.

Assembly set GN 968 has been designed for profile systems with the grid dimensions 30 or 40 and 45 with slot widths 8 and 10 mm – it uses a hammerhead nut (GN 505) which is also inserted into the slot at any point and so makes the assembly of standard parts a great deal easier.

And because Ganter always thinks ahead, every standard part compatible with the profile systems now has its own immediately recognisable icon. Naturally, these also include the angle pieces GN 960 and GN 961 and the angle pieces, shackles GN 967 developed specially for this application.

Find out more at www.ganter-griff.com

PRESSE-BOX

Ansprechpartner | Contact

Axel Weber

Durchwahl | direct extension

+ 49 (0) 7723 6507-226

E-Mail | Email

axel.weber@ganter-griff.de

Otto Ganter GmbH & Co. KG

Normteilefabrik

Triberger Straße 3

78120 Furtwangen

Telefon +49 (0) 7723 6507-0

Telefax +49 (0) 7723 4659

www.ganter-griff.com



Slim handles with design award



Ganter has developed aluminium and polyamide handles, formally reduced in design and made specially to match 19 inch rack and enclosure layouts. For these handles, Ganter has now received the prestigious iF Product Design Award 2014 – an award for outstanding and pioneering design.

The first thought that comes to mind when hearing „design“ is usually about cars or smart phones of a certain brand. But design also plays an important part in capital goods such as tool machines, medical appliances and instruments or components. Classical examples are handles which are often used as standard element and which create the tangible interface with the user or operator. Ergonomic design, attractive appearance, long service life and safety are important features, which is one reason why a good handle is more than just a simple product.

Ganter is aware of this complexity, and is among the world's most experienced manufacturers when it comes to handles and their design. The fact that design is an essential factor is impressively shown by the bow-type „U“ handle GN 423. Designed in-house, this handle has now been honoured with the renowned iF Product Design Award 2014 by a panel of experts chaired by Prof. Fritz Frenkler of the Technical University of Munich.

The annual iF Product Design Award is one of the most prestigious international competitions worldwide – in 2014 over 3,200 products from all over the world competed for the award in one of its 17 categories. And Ganter now proudly displays the latest iF label on one of its products.

The “U” handles GN 423 have been designed to match the specific dimensional requirements of the 19 inch rack and enclosure layouts, very subdued and unobtrusive in design and extremely functional and ergonomic in use as a result. While the actual handle bar is made of natural or black anodised aluminium, Ganter manufactures the handle shanks from glass fibre reinforced polyamide. Bar and handle shanks are easily plug-connected and are finally bolted in place with the 19 inch insert through the cylindrical shanks. The plug-type connection not only makes mounting and assembly easier and generates a material contrast pleasant to the touch, it also allows special lengths and eases storage before assembly. Of course, the robust GN 423 handles also comply with RoHS and boast a very long service life.

Find out more at www.ganter-griff.com

PRESSE-BOX

Ansprechpartner | *Contact*

Axel Weber

Durchwahl | *direct extension*

+ 49 (0) 7723 6507-226

E-Mail | *Email*

axel.weber@ganter-griff.de



Otto Ganter GmbH & Co. KG

Normteilefabrik

Triberger Straße 3

78120 Furtwangen

Telefon +49 (0) 7723 6507-0

Telefax +49 (0) 7723 4659

www.ganter-griff.com

PRESS RELEASE

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 300 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.



PRESSE-BOX

Ansprechpartner | *Contact*

Axel Weber

Durchwahl | *direct extension*

+ 49 (0) 7723 6507-226

E-Mail | *Email*

axel.weber@ganter-griff.de

Otto Ganter GmbH & Co. KG

Normteilefabrik

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78120 Furtwangen

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www.ganter-griff.com

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