



PressKit



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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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TÜV-certificate for excellent service



News from Ganter in Furtwangen

Otto Ganter's customers again awarding the dream grade 1.74 for service quality and customer service!

For the third time in succession Otto Ganter GmbH & Co. KG has had its service quality voluntarily reviewed by TÜV Saarland. And for the third time our customers gave us a dream grade. Service quality and customer satisfaction were (school) graded 1.74, constantly to the excellent result of the year 2009 (grade 1.70).

Hans-Dieter Flesch, sales manager of TÜV Saarland:

“With these results Ganter Standard Elements are among the best industrial enterprises which TÜV Saarland awarded the “TÜV Service tested” certificate.

To be awarded the much coveted TÜV certificate, over 4,000 customers of Otto Ganter GmbH & Co. KG were addressed and asked to complete a specially drafted questionnaire. A feedback rate of almost 7,5 percent of our customers guaranteed that the survey was representative.

The customers are satisfied all round. A total of 96,7% of all customers questioned stated “excellent” or “good” in their overall satisfaction.

The following five individual criteria are especially important for our customers, with GANTER being particularly proud of the grade for product quality.

Product quality: 1.36

Schedule effectiveness: 1.60

Supply capability: 1.72

Speed of delivery: 1.69

Product longevity: 1.57



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Cabinet "U" handles for the standardised 19"- Rack Frame made of steel, aluminium and stainless steel



several „u“ handles for 19“ drawers



3U rackmount system with GN 425 handles

News from Ganter in Furtwangen

Ganter, makers of standard machine elements, have enlarged their product range by adding cabinet "U" handles for the standardised 19" - Rack Frame .

The 19" system for drawer boxes has become today's standard. The boxes hold withdrawable units with a height of 44.45 mm (1 6/8") and multiples thereof.

The following hole spacings for cabinet "U" handles have become generally accepted (U = height unit):

- 1U = 43 mm hole spacing
- 2U = 55 mm hole spacing
- 3U = 88 mm hole spacing
- 4U = 120 mm hole spacing
- 5U = 180 mm hole spacing
- 6U = 235 mm hole spacing

For these 19" drawers Ganter offers the GN 425, GN 425.6, GN 427 and GN 427.5 cabinet "U" handles for a wide variety of different uses.

The GN 425 cabinet "U" handles cover a wide range of different types and models. They are supplied in plastic-coated, chromed, burnished steel or in corrosion-resistant stainless steel.

A stainless steel design version is available for all areas with high exposure to corrosive and/or chemical factors (wet areas, food industry, medical engineering, chemical plants).

Washer disks (in stainless steel for stainless steel handles) are enclosed for a perfect seat of the handles, particularly in the event of large holes in the cabinet.

The GN 427 and GN 427.5 cabinet "U" handles are made of drawn profile sections, with the GN 427 cabinet "U" handles made of plastic-coated or anodised aluminium and the GN 427.5 cabinet "U" handles made of stainless steel. Both standard elements are suitable for higher loads.

The manufacturing process (bending) allows the production of special lengths in relatively small unit quantities.

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

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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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Plunger pin moving only after operating the safety push-button



Safety indexing plungers GN 414

News from Ganter in Furtwangen

Ganter, makers of standard machine elements, have enlarged their indexing plunger range by adding "safety indexing plungers".

The GN 414 safety indexing plungers are recommended for operations where the inadvertent or careless movement of the plunger pin must be avoided.

In its basic design (Type A), the plunger pin is locked in the lower protruding position and unlocked only by operating the red safety push-button.

In design variant Type B, the plunger pin is locked in the top retracted position and is also unlocked only by operating the red push-button.

Type C features a locking mechanism at both end positions.

As the locking mechanism in all design variants is fully integrated in the operating button, malfunctions caused by dirt or foreign bodies are virtually ruled out.

The GN 414 safety indexing plungers are made of burnished steel with a grey-black plastic operating button which is temperature resistant up to 80°C. The operating button cannot be removed. The safety push-button is made of red plastic.

These indexing plungers are available with and without lock nut.

Depending on conditions (e.g. wall thickness), the thread length of the GN 414 safety indexing plunger can be adjusted using distance bushings (GN 609).

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Spring latches for surface mounting or welding



Various spring latches for welding or with flange for surface mounting

News from Ganter in Furtwangen

Ganter, makers of standard machine elements, have enlarged their "spring latch" series of products.

GN 722 ff. spring latches are designed for use in steel constructions or in locksmith shops where less precise positioning / locking is normally required. The dimensional tolerances are therefore chosen to ensure that functional safety is guaranteed under dirt exposure and that cost-effective production methods are used.

The spring latches can be used in the design of jigs and fixtures, in clamping devices and assembly installation, for locking, and for fixing and securing components and parts.

These versions are used when the indexing pin is temporarily not allowed to protrude. The indexing pin retracts by turning the latch by 180°. An indexing notch ensures that the latch is held firmly in place in both positions.

The guideways of the GN 722.2 and GN 722.3 are made of zinc-plated cast steel, coated with a black surface structure for optical reasons. Latch and bolt are made of zinc-plated steel. The guideway in design version GN 722.1 is made of burnished cast steel which allows it to be welded easily. A square bar allows the latch to be welded in any desired position. To prevent excessive heating up and the resulting change in the spring properties, fixing with welding spots is recommended.

Ganter supplies design versions for welding GN 722.1 and for surface mounting GN 722.2 and GN 722.3.



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

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Stainless steel handles and knobs for ultimate hygiene



New operating elements extend the stainless steel product range of Ganter

News from Ganter in Furtwangen

Ganter, makers of standard machine elements, has enlarged its "handles and knobs" product portfolio with a number of stainless steel designs.

Stainless steel handles are the first choice for use in aggressive environment and outdoor applications. Ganter of Furtwangen now having developed a number of interesting designs in various stainless steel grades, with standard matt jet-polish or mirror-polish. Wing nuts by Ganter are available with blind hole, with threaded blind hole or with threaded through-hole. The entire range of wing screws is available in various thread diameters and thread lengths.

The GN 433 wing screws and the GN 434 wing nuts are made of grade 1.4308 stainless steel (precision castings) which allow relatively high tightening torques.

The GN 5339.3 triangular stainless steel knobs have been designed especially for use in machines in the food industry. With their smooth and sealed surfaces and their radius of corner curvatures, they fully comply with hygiene requirements. These handles in the original ELESA design also fascinate with their elegant shape which also allows higher torques to be applied. The front and side surfaces are also available in mirror-polish finish.

The GN 5335 stainless steel star knobs are available in a variety of different design variants, depending on requirement with or without bores, threads, fit or as blank. Like the triangular stainless steel handles, these handles have also been developed with specific hygienic requirements in mind. They are made of grade 1.4305 rust-proof stainless steel.

The GN 535 stainless steel knurled screws and the GN 536 knurled nuts made of grade 1.4301 stainless steel are also new in the product portfolio.

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

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Connect tubes quickly and easy into functional systems with tube clamp connectors by Ganter.



Different versions of tube clamp connectors

News from Ganter of Furtwangen

Ganter, makers of standard elements, has enlarged and optimised its "tube clamp connector" product range.

Tube clamp connectors are clamping elements which are easily and quickly combined into functional systems using commercial round or square tubings.

All tube clamp connectors are available in aluminium. Depending on design variant and use, they can also be supplied in stainless steel. The matching construction tubings (round or square) are available in steel, stainless steel and aluminium.

Within the various connector clamps such as two-way, two-way flange, flanged, base, base plate flange, angular, socket, clip and swivel connector clamps, design variants with single parts and with multiple parts are available.

The single-part slotted connector clamps make highly stable construction tubings. Only DIN 2391 round precision tubings, whose outside diameters are within a relatively narrow tolerance range, can be used. This is where Ganter recommends its GN 990 construction tubings.

The multi-part connector clamps (semi-shell design) make no great demands on the tube tolerance. They can also be combined with square tubings and can be attached to existing constructions.

The tube clamp connectors are clamped by cylinder head bolts. For frequent clamping and loosening actions, GN 911 clamping kits can be used in place of the bolts.

Insert bushings made of plastic and aluminium, for instance for articulated swivel base plates and end stoppers, complete the product range.

Find out more in the catalogue "Tube Connector Clamps, Linear Actuators" and in the internet at www.ganter-griff.com.

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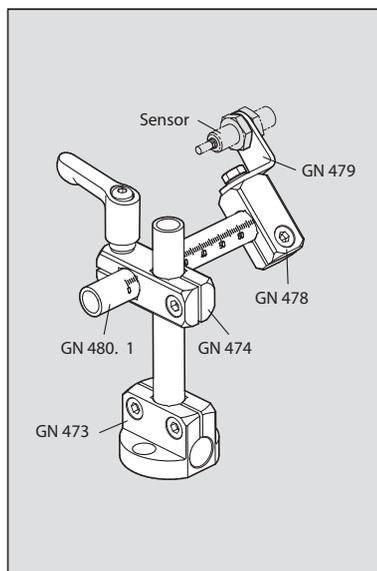
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Clamp mountings – versatile connecting elements



Clamp mountings, retaining tubes and retaining rods in several versions



Application example

News from Ganter of Furtwangen

Ganter, makers of standard machine elements, have enlarged their product range with the new “clamp mountings” product line.

Clamp mountings are versatile connecting elements which are designed to position sensors and reflectors and which, owing to their wide variety of different designs and bore diameters, are true problem solvers in mechanical engineering and workholding fixture construction.

These are precision elements made of high-grade aluminium which guarantee extreme stability and high clamping force even when exposed to strong vibrations. The clamping effect is largely unaffected by temperature and environmental influences.

The range includes designs in matt slide-ground or in black anodised aluminium.

The clamping bolts (DIN 912 cylinder bolts) are made of non-rusting stainless steel. Alternatively, they can be replaced with the adjustable GN 511 clamping kits for enhanced ease of use.

If stability requirements are higher, square tubes providing a form-locking effect against twisting can also be used.

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

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Retaining Magnets for Non-Wearing Fixings



Retaining Magnets for Non-Wearing Fixings

News from Ganter in Furtwangen

Standard element maker Ganter of Furtwangen has enlarged its extensive product portfolio with the “retaining magnets” line of products. The new, extensive range includes different types and designs such as flat grippers, rod-type grippers, button magnets and U-type magnets.

Owing to their structure, all the magnet systems have only one magnetic contact surface, with the magnetic power being focused onto the adhesive contact surface directly with iron poles. Many designs have a shielded magnet system, preventing the surrounding area from being magnetised.

Ganter supplies the retaining magnets in different materials:

- Hard ferrite (HF) is a very reasonably priced material which can be used up to a maximum temperature of 200°C. The magnetic adhesion is good, but decreases with increasing temperature.
- Aluminium-nickel-cobalt (AlNiCo) is extremely hard and tough and can be machined. These magnets deliver a steady and regular magnet field even under high temperature fluctuations and can therefore be used for temperatures as high as 450°C.
- Samarium-cobalt (SmCo) has a very high magnetic retaining power, is highly temperature resistant (350°C) and is virtually non-demagnetisable.
- Neodymium-iron-boron (NdFeB) is the magnetic with the highest magnetic adhesion power and is virtually non-demagnetisable.

Retaining magnets used as flat grippers are available with zinc-plated or red varnished steel housing or with full rubber jacket. The rubber jacket makes these magnets the ideal choice for sensitive surfaces. Also, the coefficient of friction is increased, with the effect that high lateral retaining forces are achieved.

Rod-type grippers with zinc-plated or red varnished steel housing can be pressed in, glued in or shrunk in. The magnet and iron poles in the GN 54.1 type are arranged in sandwich fashion, delivering ultimate retaining power also for small work pieces.

The button and U-type magnets are made of aluminium, nickel and cobalt, with red varnish and with split magnetic contact surface. They achieve high retaining forces, also at higher temperatures.

GANTER's extensive range of products also includes design versions with threaded bushing, threaded pin or with bore.

To prevent demagnetisation, most of the retaining magnets are delivered with a sheet iron plate.

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

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Unique design of the new GN 923 and GN 924 handwheels by Ganter



Modern handwheels – both in disk-type and spoke-type design



reddot design award
winner 2010

News from Ganter in Furtwangen

Ganter in Furtwangen presents its new GN 923... and GN 924... handwheel range. Meeting the ultimate in design and appearance. Both product lines received the well-known **red dot design award**.

The entire range is made of plastic-coated aluminium and is available either as spoked handwheels or as disk handwheels. A removable plastic lid covers the fixing elements such as washers or recessed or protruding shafts.

The GN 923 and GN 924 models are available with or without revolving handle.

The GN 923.3, GN 923.7, GN 924.3 and GN 924.7 models are used when the revolving handle is not to jut out temporarily.

In the working position, the folding handles of the GN 923.3 and GN 924.4 handwheels are locked in a conical bore. To fold back, the handle must first be pulled out of the cone in axial direction. A pressure spring holds the folding handle in both positions. It automatically engages again when folded out.

The GN 923.7 and GN 924.7 handwheels are used for operations where the folding handle must not be allowed to lock in the working position. To move the folding handle to this position, it must first be swivelled by 90° against a torsion-loaded spring and then pushed in axial direction into the arresting assembly against spring tension. Fixed in this position and maintaining the axial force, the folding handle can then be used for cranking. Once released, the pressure spring moves the folding handle out of the arresting assembly and the torsion springs swivels it back again.

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



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