

GANTER

STANDARD MACHINE ELEMENTS

Press kit 2009



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Stainless steel ball lock pins and locking pins for rapid fixing, connecting and securing parts and workpieces.



*ball lock pins and locking pins
in several versions*

New products from Ganter of Furtwangen

Ganter now offers a range of self-locking stainless steel ball lock pins and locking pins for the rapid fixing, connecting or securing building elements or workpieces. These are again highly sophisticated products, not only in terms of design.

Ball lock pins and locking pins are used mainly for work steps requiring frequent assembly and dismantling of parts and components. One typical application is their use as height adjustment.

Pressing the spring-loaded pressure pin of the stainless steel ball lock pins GN 113... will unlock the ball pair and relock them again after releasing the pin.

The outstanding feature of the stainless steel ball lock pin GN 113.3/4 is its compact design. The pin of the model series GN 113.4 is made of highly resilient and hardened material and therefore withstands ultimate stress loads (material number 1.4542).

The model series GN 113.3 is a special bargain in terms of price (material number 1.4305)

The stainless steel ball lock pins GN 113.5/6 are fitted with a plastic handle button (PA).

The pin of the model series GN 113.6 is made of high-strength, hardened material and therefore withstands ultimate stress loads (material number 1.4542).

Unlike the GN 113.6, the model series GN 113.5 (1.4305) is used if the pin requirements and specifications are less demanding.

The stainless steel locking pins GN 114.3 are also fitted with a black plastic handle button with an additional red push button. This push button is used to "retract" a pawl and to return it to the locking position via a pressure spring.

The square shape of the stainless sheet metal stop latches creates a line-shaped contact contour (instead of the point contact of a ball lock pin) which is capable of absorbing high axial loads.



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

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TÜV-certificate for excellent service



News from Ganter in Furtwangen

Otto Ganter's customers again awarding the dream grade 1.70 for service quality and customer service!

For the second time in succession Otto Ganter GmbH & Co. KG has had its service quality voluntarily reviewed by TÜV Saarland. And for the second time our customers gave us a dream grade. Service quality and customer satisfaction were (school) graded 1.70, improving the excellent result of the year 2007 (grade 1.76).

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 percent of our customers guaranteed that the survey was representative.

The customers are satisfied all round. A total of 97.6% 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: 1.34
Schedule effectiveness: 1.54
Supply capability: 1.69
Speed of delivery: 1.66
Product longevity: 1.55



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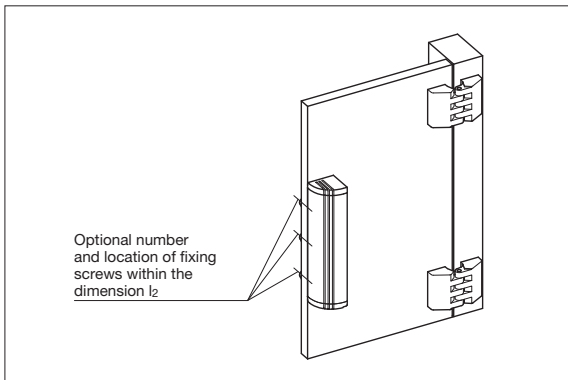
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Ledge handles for hinged or sliding doors in any length



Ledge handles in several variations



Application of ledge handle GN 430

News from Ganter in Furtwangen

If handles for hinged or sliding doors or drawers are needed, Ganter of Furtwangen now has just the right solutions with their "Ledge Handles GN430" range.

The ledge handles made of pressed aluminium profile sections are fitted with the appropriate screw channel to take M6 size fixing screws. Depending on requirements, these screws can be fitted inside the channel in any position and in any number.

The minimum screw embedment depth in the ledge handles of 10 mm should be observed.

The ledge handles are made either of black, mat structured, plastic coated aluminium (RAL 9005) or anodised in natural colour.

The end caps are made of anthracite coloured plastic (thermoplastic - polyamide PA) and are easy to fit.

The ledge handles have a maximum load bearing capacity of 400 Newton and should be attached with a maximum torque of 4 Nm.

The aluminium profile is available in any length, also sold by the metre. Standard lengths ranging from 110 to 500 mm are available. We also supply reasonably priced custom lengths in smaller unit quantities.

The end caps are also supplied individually.

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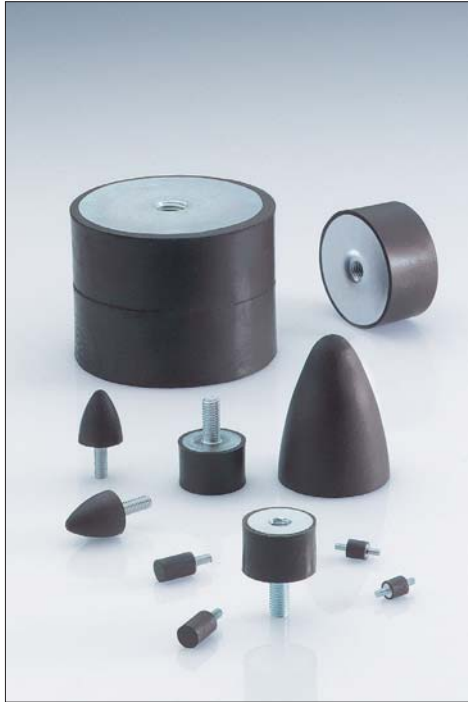
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Rubber buffers for the elastic mounting of components under pulsating loads



Rubber buffers in several sizes and types



End-stop- and rubber buffers

News from Ganter in Furtwangen

The product range offered by Ganter of Furtwangen now as well includes rubber and end-stop buffers.

The GN 351 rubber buffers are suitable for the elastic mounting of machine units such as motors, compressors and pumps. These rubber buffers are simple and low-priced construction elements. Their resilience, robust design and their broad range of different sizes and dimensions allow these buffers to be used for any kind every application.

GN 352 rubber buffers and the GN 352 end-stop buffers absorb most of the kinetic energy generated on impact. They act as dampers and prevent damaging shock and rebound. They act as well as sound dampers.

The parabolic shape of GN 353 end-stop buffers generates progressive resilient characteristics: impact and shock effects are absorbed more gentle.

GN 352 and GN 353 buffers are used as end-stop buffers, for instance for conveyor trolleys. GN 352 end-stop buffers can also be used as levelling feet.

All buffers are made of highly resilient and tear-resistant natural rubber with a hardness of 40 (soft), 55 (medium) and 70 (hard) (Shore \pm 5).

The cover plates of the buffers are made of steel and vulcanised into or onto the buffers. Vulcanisation guarantees the ultimate strength between rubber and steel. The exposed surfaces are prime-coated or zinc-plated. The threaded inserts and/or screws made of zinc-plated, blue chromated steel are integrated and protected against torsion.

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Indexing plungers for ultimate demands in terms of corrosion resistance, hygiene and material quality



Indexing plungers made of stainless steel

News from Ganter in Furtwangen

Corrosion resistance, hygiene and material quality are properties which are highly appreciated in the pharmaceutical industry, food industry, in hospital engineering, fresh water supply and wastewater engineering, the aerospace industry, conveyor engineering and in machine and plant construction.

For these industries Ganter of Furtwangen has added to its product range of index plunger models GN 613 / GN 617 and GN 617.1 the design variant with stainless steel knob - the first "all stainless steel index plunger".

The GN 613 indexing plungers have no collar and boast extremely small dimensions, designed to absorb axial forces in their end position.

The GN 617 and GN 617.1 indexing plungers are each fitted with a collar, with the GN 617.1 indexing plunger featuring an additional indexing lock. These are used if the index pin is temporarily not allowed to protrude. To engage, the knob is turned by 90° after pulling out. An index notch prevents the disengaged knob inadvertently turning back under the impact of vibrations.

All stainless steel indexing plungers are made in consistently high quality and feature a long service life.



Options Ganter has to offer include the holding fixtures GN 612.1 and GN 412.1 as mounting aids for indexing plungers, cam action-indexing plungers and positioning bushings (GN 412.2)

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Rapid mounting and dismantling with quick-action hexagonal nuts

News from Ganter in Furtwangen



Quick-action hexagonal nuts
in several sizes

Ganter of Furtwangen now also have quick-action hexagonal nuts in their product portfolio. They are used in applications where a threaded nut needs to be brought quickly into the clamping position or needs to be pulled off just as quickly. A damaged thread is no problem, as the defective section of the thread can be simply skipped. The GN 6333 quick-action hexagonal nuts are currently available in the sizes M 14 to M 24, made of forged steel of strength class 10. The surface is zinc-plated.

The GN 6333 quick-action hexagonal nuts have been specially designed for rapid mounting and dismantling in tight spaces, and they are not impaired in their function by damaged or soiled screw threads.

They provide a secure and very tight connection and can be reused after loosening the self-locking mechanism. A standard spanner is sufficient for mounting, no special tools are required. The quick way to mount!

Push the quick-action hexagonal nut over a thread. After pressing on the outer sleeve (locking the nut) and an additional half turn, the nut sits firmly in its end position.

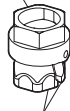
The quick way to dismantle!

First loosen the quick-action hexagonal nut slightly and then pull back the outer sleeve (unlocking the nut) and pull off.

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Outer sleeve



2 threaded shells



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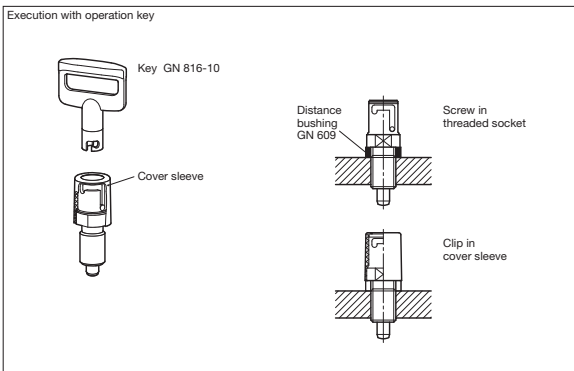
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Locking plungers with and without safety variant



Locking plungers with and without key operation



Assembly instructions GN 816

News from Ganter in Furtwangen

Ganter of Furtwangen now offers locking plungers with and without safety variant. Two designs are available, both available with or without key operation.

If inoperative, the locking pin in the GN 816 locking plunger protrudes. To retract, it is moved against the spring force and held in the end position by a 90° turn.

If inoperative, the locking pin in the GN 816.1 locking plunger is retracted. To move out, it is also pushed against the spring force and held in the end position by a 90° turn.

The specially designed guide cam secures the locking pin in both design versions against inadvertent resetting.

The guide (threaded section) of the locking plunger is made of zinc-plated blue chromated steel, while the locking pin and the pressure spring are made of stainless steel. The mat black head and the cover sleeve are made of plastic (thermoplastic – polyamide PA) and are not detachable.

A key (GN 816-10 or GN 816.1-10) is required to move the locking pin in the locking plungers with safety variant. In addition, the cover sleeve prevents the unauthorised turning out of the locking plunger and also prevents malfunctions caused by dirt.

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