



**JW WINCO**  
A Ganter Company

**Standard Parts.**  
**Winco.**

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## Product Overview Catalog 2018



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### **The Right Answer for Every Application**

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**Standard machine components in inch and metric, made of aluminum, steel, stainless steel, and plastic are part of our product range, which consistently evolves through the research and development of new products.**

# The Leading Partner for Standard Parts

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## **Strength in Standard Parts**

Founded in 1978, JW Winco is built on the belief that TRUE strength comes from our relationships with our customers, business partners, and employees. We are dedicated to providing our customers with the most comprehensive and highest quality line of standard machine components and assembly hardware available in the world.

For over 35 years, Ganter, a global leader in manufacturing of standard parts since 1894, formed a synergistic partnership with JW Winco that has since provided world-class business solutions to all of our customers. In 2009, JW Winco officially became part of A Ganter Company, which expanded our capabilities and solidified our resources globally.

When we say **JW Winco, A Ganter Company** we mean unmatched strength in market innovation and solutions. Our combined technical knowledge, customer service, design engineering, manufacturing, stocking, and distribution capabilities are our strengths and solutions we offer to you.

Our North American headquarters is located in New Berlin, Wisconsin, USA with sales locations in Canada and Mexico.

The information presented in this catalog is believed complete and accurate, but the purchaser of any product advertised herein has the ultimate responsibility to evaluate the accuracy, the completeness, utility and/or validity of any information herein before relying on it. Products presented in this catalog may be out of stock, or may be discontinued without notice. With this catalog, all prior catalogs will be non-valid. We reserve the right to make future design changes without notice.



**J.W. Winco is headquartered in  
New Berlin, WI USA**

### **Our Product Line**

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In addition to products we manufacture ourselves, we are a wholesale distributor of products from a number of quality manufacturers in the United States and abroad. These suppliers include, among others:

- Elessa S.p.A.
- Blickle Räder+Rollen GmbH & Co KG
- Andreas Maier GmbH & Co KG (AMF)
- Misati, S.L.
- S&W Manufacturing Company, Inc.
- Gamm Srl

### **Global Presence**

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Our sister company, J.W. Winco Canada, Inc., opened in 2011 to serve customers in Canada directly from Ontario. J.W. Winco also began sales operations in Mexico in 2014.

### **One-Stop Source**

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A vast metal and plastic product range provides our customers with a one-stop shopping experience. From where the raw material enters the machine shop, to the final hand operating component being mounted on the equipment, there are products in our range suited for your application requirements.

Naturally, J.W. Winco Inc. is also certified according to the quality assurance standard ISO 9001.

### **Quick and Direct.**

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Our constant goal is to provide our customers with the most comprehensive selection of quality metal and plastic, metric and inch size standard machine parts and assembly hardware available in our marketplace.

Winco is capable of delivering standard parts in the shortest possible time – anywhere in North America.

### **Special Labeling and Packaging**

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We offer bar code, UPC code labeling and kit packaging to meet your special labeling and packaging requirements.





# 60,000

Sku's in stock.

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# Quick Turnaround

We ship the majority of orders received within 24 hours.

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# ISO 9001

J.W. Winco, Inc. Certified Quality and Service.

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# 1 Goal

Helping you to design it faster, build it better and deliver it more quickly than your competition can.

# Ordering and Information

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Always up to date: New standard parts and range extensions at a glance

## Standard Parts in Real Time

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All new products and specifications are immediately available Online: Our website is accessible from any computer, tablet, and / or smart phone. The JW Winco website allows customers the ability to select parts, view product information, select parts, place Online orders, view company information, and much more!

[www.jwwinco.com](http://www.jwwinco.com)

**Dialog-based** The dialogue based selection function takes you to the proper product quickly and reliably.

**Product Details** available Online including dimensions, material details, stock availability, price and other specifications are shown on each product page – viewable from any computer, tablet, or phone.

**CAD Models Available to Download:** The entire range of our standard parts are available in all common 2D and 3D formats.

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### Ordering Online:

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Order your product easily and conveniently from Winco's Online store. Select your parts in a few easy steps and manage your selections in an individual list of favorites. Past order history is easily retrieved and can again be put into the shopping cart.



## Stainless Steel Standard Parts

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Standard parts made of Corrosion resistance stainless steel have been designed for use in the food sector, in the chemical industry, for aggressive ambient conditions or for outdoor use.



### Corrosion Resistance

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When it comes to corrosion resistance, stainless steel is the first choice. Corrosion resistance has become an ever more important requirement in many different areas that include the food sector, shipbuilding, pharmaceutical and medical industries. Stainless steel is 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.



# Hygienic Design and Color Options

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## Hygienic Design

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Hygienic Design includes the design principles for the avoidance of design weaknesses, which could favor hygiene-related hazards. The cleaning capability of materials, surfaces and structural elements are regarded as the central points of Hygienic Design.

No dirt of any kind may accumulate or be permanently deposited, or must be easily removed.

### The Hygienic Design Product Family

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Standard parts from the JW Winco product range which are suitable for use in hygienic design applications are indicated with the “Hygienic Design” icon on the relevant product pages.

All of these standard parts feature sealed mounting surfaces, mounting without dead spaces and a high quality finish as well as impermeable exterior surfaces. This design prevents adhesion of dirt or generally facilitates cleaning.



## Color Options

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Some of JW Winco’s standard parts are available in a variety of colored powder coated finishes and colored plastics. Look for the Color Options icon next to a product, then proceed to our website to see the various colored versions available.



Color  
Options

### Industrial Colors and Powder Coating

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Designing machinery may not be the most artistic pursuit in the world, but sometimes the issue of color can be essential even in industrial design. A number of our metal parts can be produced in a variety of colors using a powder coating process.

If you require further information on colors or finishes, or need specific colors for parts, contact our Technical Sales Associates at 800-877-8351.



# From Idea to Solution

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Through our manufacturing partner Ganter and because, JW Winco has its own in-house machining facility, this provides an advantage for our customers to take an idea and create a unique customized solution through the choice of using one of our standard parts. The requirements for either modifying or altering our products is carried out by a reliable and competent team of technical sales and engineering people.



**Winco develops and produces not only customized solutions, but will offer stocking on demand if required.**

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#### **New or Modified**

Depending on requirements, customized components are made by cost-effectively adapting an existing standard part, or by means of an entirely new design.

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#### **Small Quantities**

A unique variety of different production methods and an adaptable, customer-driven approach, allow our standard parts to easily be modified in quantities as low as one piece, but can also be customized in relatively small quantities.

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#### **All-Round Service**

Winco does more than develop and manufacture customized standard parts. If required, Winco will manage on-call inventories, guaranteeing economical lot or batch sizes, favorable prices and a high level of supply availability.



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## New product groups

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Only those who change, remain true to themselves. We revised the product groups to make product selection more intuitive and efficient for you.

1.1  
1.2  
1.3  
1.4

Operating Parts



## 1.1 Operating with Handles and Knobs

- Revolving Handles
- Fixed Handles
- Retractable Handles
- Knobs
- Gear Lever Handles
- T-Handles

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## 1.2 Operating by Using Machine and Device Handles

- Cabinet "U" Handles
- Arched Handles
- Finger Handles · Folding Handles
- Tubular Handles
- Ledge Handles · Gripping Trays

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## 1.3 Adjusting with Handwheels and Cranks

- Spoked Handwheels
- Disk Handwheels
- Handwheels with Retractable Handle
- Safety Handwheels
- Control Handwheels
- Crank Handles
- Crank Handles with Retractable Handle
- Indexing Cranked Handles

page 30



## 1.4 Adjusting, Positioning, Locking with and without Position Indication

- Rulers
- Levels
- Scale Rings
- Control Knobs
- Indexing Mechanisms
- Position Indicators
- Accessories

page 36



## 2.1 Tensioning, Clamping, Switching with Levers

Adjustable Hand Levers / Tension Levers  
Safety Hand Levers / Tension Levers  
Ratchet Spanners  
Clamping Levers / Tension Levers  
Control Levers

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## 2.2 Tensioning, Clamping with Knobs

Star Knobs / Hand Knobs  
Three-Lobe Knobs  
Wing Screws / Nuts  
Knurled Knobs  
Knurled Screws / Nuts

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## 2.3 Tensioning with Eccentric Cams and Wedge Clamps

Clamping Levers with Eccentric Cam  
Cam Point Levers  
Wedge Clamps  
Centering Bore Clamps

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## 2.4 Tensioning with Clamping Mechanisms

Toggle Clamps  
Accessories  
Pneumatically Operated Clamps  
Hook Clamps

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2.1

2.2

2.3

2.4

Clamping Parts



### 3.1 Indexing, Locking, Blocking with Pins and Ball-Shaped Elements

Indexing Plungers  
Cam Action Indexing Plungers  
Spring Plungers  
Rapid Release Pins

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### 3.2 Mounting, Positioning, Leveling with Screws, Clamping, and Supporting Elements

Swing Bolts / Shoulder Screws / Thrust Bolts  
Thrust Pads, Nuts, Washers  
Positioning Elements / Clamping Pads  
Leveling Sets, Set Collars  
Nuts / Bolts for T-Slots

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### 3.3 Hinging, Latching, Locking of Doors and Covers

Latches with/without Clamping Function  
Hook-Type Latches  
Latches with Indexing Function  
Accessories  
Hinges: Adjustable, Lockable, with Adjustable Friction, Detachable  
Hinges with Electrical Switching Function  
Edge Protection Profiles

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### 3.4 Installing, Lifting, Dampening with Leveling Feet, Lifting Gear and Rubber Elements

Leveling Feet  
Lifting Eye Bolts / Lifting Eye Nuts  
Accessories  
Load Rings / Lifting Points  
Shackles  
Lifting Pins  
Vibration Shock Absorption Mounts

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### 3.5 Controlling, Venting, Sealing of Liquids and Gases

- Oil Sight Glasses
- Oil Level Indicators
- Threaded Plugs / Sealing Plugs
- Oil Drain Valves
- Breather Filters / Breather Valves
- Accessories
- O-Rings and Seals

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### 3.6 Moving, Transferring, Connecting with Shafts and Joints

- Universal Joints, Universal Joint Shafts
- Rod Ends
- Fork Joints / Fork Heads
- Angled Ball Joints & Ball Joints
- Quick-Fit Couplings

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### 3.7 Connecting, Assembling, with Clamping and Connecting Elements

- Tube Clamp Connectors
- Conveyor Clamps, Knobs & Block Accessories
- Conveyor Brackets & Mounts & Bases
- Tube Expander Fittings
- Flange and Pillow Block Bearings
- Clamp Mountings (Aluminum)
- Other Connecting Elements
- Tubes / Rods

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### 3.8 Adjusting, Moving with Guides, Spindles and Ball Rollers

- Linear Slides
- Linear Guide Rail Systems
- Adjustable Slide Units
- Linear Actuators / Linear Actuator Connectors
- Roller Rail Assemblies
- Ball Transfer Units / Guide Rollers

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Machine Parts

- 3.1
- 3.2
- 3.3
- 3.4
- 3.5
- 3.6
- 3.7
- 3.8
- 3.9
- 3.10



### 3.9 Holding with Magnets

- Retaining Magnets, Disk-Shaped
- Retaining Magnets, Rod-Shaped
- Button-Type Magnets / U-Magnets
- Magnets
- Screws with Retaining Magnet
- Raw Magnets
- Accessories

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### 3.10 Rolling, Transporting with Casters and Wheels

- Casters
- Wheels

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Machine Parts

3.1

3.2

3.3

3.4

3.5

3.6

3.7

3.8

3.9

3.10



## 4.1 Tightening, Loosening and Adjusting with Hand Tools

- Hook Spanners and Spanner Wrenches
- T-Handle and Screwdriver Grip Hexagon Keys
- L-Handle Hexagon Keys
- T-Handle and Screwdriver Grip Torx Keys
- T-Handle Wrenches and Socket Keys
- Open End Wrenches, T-Slot Scrapers & Dead Blow Hammers

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# 1.1 Operating with Handles and Knobs

- Revolving Handles
- Fixed Handles
- Retractable Handles
- Knobs
- Gear Lever Handles
- T-Handles



## Revolving Handles



**GN 798**  
**Plastic or Aluminum  
Revolving Handles, Steel  
Stem**



**SS** Stainless Steel  
**GN 798.1**  
**Plastic Stepped Cylindrical  
Revolving Handles,  
Stainless Steel Stem**



**SS** Stainless Steel  
**GN 798.1**  
**Stainless Steel Revolving  
Handles, Stainless Steel  
Stem**



**GN 798.2**  
**Plastic or Aluminum  
Revolving Handles, Tapped  
Type**



**SS** Stainless Steel  
**EN 598.2**  
**Phenolic Plastic  
Cylindrical Revolving  
Handles, with or without  
Threaded Stud**



**GN 598**  
**Plastic and Steel  
Cylindrical Revolving  
Handles, Steel Stem**



**SS** Stainless Steel  
**GN 598.1**  
**Plastic Revolving Handles,  
Stainless Steel Stem**



**MCG**  
**Phenolic Plastic  
Cylindrical Revolving  
Handles, Steel Stem**



**SS** Stainless Steel  
**GN 599.5**  
**Plastic Revolving  
Cylindrical Handles,  
Stainless Steel Stem**



**EN 595**  
**Plastic Revolving Knobs,  
with Steel Spindle**



**GN 319.2**  
**Phenolic Plastic Revolving  
Ball Knobs, Long Shoulder  
Spindle, with Steel Threaded  
Spindle or Tapped**



**SS** Stainless Steel  
**GN 319.5**  
**Phenolic Plastic Revolving  
Ball Knobs, Long Shoulder  
Type, with Stainless Steel  
Threaded Spindle or Tapped**

Series beginning with the "EN" title represent **elesa** Original Design Products

# 1.1 Operating with Handles and Knobs



**PB/GE**  
**Phenolic Plastic Revolving Ball Knobs**, Short Shoulder Type, with Steel Threaded Spindle



**EN 596**  
**Technopolymer Plastic Revolving Ball Knobs**, Steel Stem



**EN 597.1**  
**Softline Plastic Revolving Mushroom Shaped Knobs**, Steel Stem



**DIN 98**  
**Aluminum, Steel or Plastic Revolving Handles**, Steel Stem

## Fixed Handles



**DIN 39**  
**Plastic or Steel Fixed Handles**, Steel Stem



**SS** Stainless Steel  
**DIN 39**  
**Stainless Steel Fixed Handle**, Stainless Steel Stem



**EN 539**  
**Plastic Fixed Cylindrical Handles**, Steel Stem



**GN 203**  
**Phenolic Plastic Fixed Tapered Handles**, Steel Stem

## Retractable Handles



**GN 798.3**  
**Plastic Stepped Locking Retractable Handles**, with Steel Locking Mechanism



**SS** Stainless Steel  
**GN 798.5**  
**Plastic Stepped Retractable Handles**, with Stainless Steel Locking Mechanism



**GN 798.7**  
**Technopolymer Plastic Retractable Safety Handles**, Steel Automatic Fold-Down Mechanism



**GN 598.3**  
**Plastic Locking Retractable Handles**, with Steel Locking Mechanism



**SS** Stainless Steel  
**GN 598.5**  
**Plastic Retractable Handles**, with Stainless Steel Locking Mechanism



**GN 598.7**  
**Phenolic Plastic Retractable Safety Handles**, Automatic Fold-Down Type



**MGR**  
**Phenolic Plastic Locking Retractable Handles**, with Steel Locking Mechanism and Securing Pin



**PGR**  
**Nylon Plastic Locking Retractable Handles**, with Steel Locking Mechanism and Securing Pin



**MRS**  
**Nylon Plastic Fold-Down Revolving Handles**, with Steel Locking Mechanism and Securing Pin

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1.1 Knobs



**DIN 319**  
**Phenolic or Technopolymer Plastic Ball Knobs**, Tapped Hole or Tapped Insert Type



**DIN 319**  
**Phenolic or Technopolymer Red Plastic Ball Knobs**, Tapped Insert Type



**DIN 319**  
**Phenolic Plastic Ball Knobs**, Tapped Brass Insert Type



**SS** Stainless Steel  
**DIN 319**  
**Steel, Stainless Steel, or Aluminum Ball Knobs**, Tapped or Plain Bore



**PBH**  
**Phenolic Plastic Ball Knobs**, with Tapped Insert or Molded-in Threads



**WD 595**  
**Thermoplastic Ball Knobs**, with Tapped Insert



**BK**  
**Brass or Steel Ball Knobs**, Tapped Type



**DIN 319**  
**Plastic Ball Knobs**, Press-On Type



**EN 319.1**  
**Phenolic Plastic Ball knobs**, Press-on Type



**EN 719**  
**Phenolic Domed Gear Knobs**, Press-on Type



**EN 719.1**  
**Phenolic Domed Gear Knobs**, Press-on Type



**Color Options**  
**EN 719.2**  
**Technopolymer Plastic Domed Gear Lever Knobs**, Tapped or Press-on Type



**EN 719.2**  
**Cleanline Technopolymer Plastic Domed Gear Lever Knobs**, Tapped or Press-On Type



**TAK**  
**Phenolic Plastic Tapered Knobs**, Thru Hole



**GN 419**  
**Phenolic Plastic Tapered Knobs**, with Molded-In Thread



**EN 518**  
**Technopolymer Plastic Tapered Knob**, for Positioning Symbols, Press on Type



**EN 517.1**  
**Self-Adhesive Vinyl Film Positioning Symbols**, for Tapered Knobs



**EN 219**  
**Phenolic Plastic Tapered Knob**



**GN 201**  
**Phenolic Plastic Elliptical Shaped Knobs**, with Molded-In Thread



**EN 519**  
**Phenolic Plastic Cylindrical Handles**, with Molded-In Thread

Series beginning with the "EN" title represent **elesa** Original Design Products

 <p> Color Options <b>EN 519.2</b> <b>Technopolymer Cylindrical Handle</b></p>	 <p><b>EN 519.1</b> <b>Technopolymer Plastic Cylindrical Handles, Press-on Type</b></p>	 <p><b>EN 519.6</b> <b>Softline Cylindrical Handles, with Molded-In Thread</b></p>	 <p><b>MC</b> <b>Phenolic Plastic Cylindrical Handles, with Molded-In Thread</b></p>
 <p><b>MVP</b> <b>PVC Cylindrical Handles, Press-Fit Type</b></p>	 <p><b>MVP-CON</b> <b>PVC Conical Handles, Press-Fit Type</b></p>	 <p><b>EN 819</b> <b>Softline Cylindrical Handles, Press-On Type</b></p>	 <p><b>EN 675</b> <b>Ergostyle® Technopolymer Plastic Soft Knobs, Tapped Insert or Molded-In Thread</b></p>
 <p> Color Options <b>EN 675.1</b> <b>Plastic Ergostyle® Soft Knobs, with Tapped Insert and Removable Cap</b></p>	 <p><b>GN 675</b> <b>Ergostyle® Technopolymer Plastic Soft Knobs, with Steel Stem</b></p>	 <p><b>EN 718.1</b> <b>Soft Plastic Mushroom Shaped Knobs, Plain Blind Bore</b></p>	 <p><b>EN 77</b> <b>Plastic Mushroom Shaped Knobs</b></p>
 <p><b>GN 76</b> <b>Phenolic Plastic Mushroom Shaped Knobs, Tapped Insert and Threaded Stud Type</b></p>	 <p><b>GN 75</b> <b>Steel Waist Shaped Knobs, Tapped and Threaded Stud Type</b></p>	 <p><b>SS</b> Stainless Steel <b>GN 75.5</b> <b>Stainless Steel Waist Shaped Knobs, Tapped and Threaded Stud Type</b></p>	 <p><b>HD</b> <b>SS</b> Stainless Steel <b>GN 75.6</b> <b>Stainless Steel Waist Shaped Knobs, Type D with Female Thread</b></p>
 <p><b>HD</b> <b>SS</b> Stainless Steel <b>GN 75.6</b> <b>Stainless Steel Waist Shaped Knobs, Type E with Threaded Stud</b></p>	 <p> Color Options <b>EN 676</b> <b>Ergostyle® Technopolymer Plastic Knurled Knobs, with Tapped Insert</b></p>	 <p> Color Options <b>EN 676</b> <b>Ergostyle® Technopolymer Plastic Knurled Knobs, with Threaded Stud</b></p>	 <p><b>GN 676.1</b> <b>Steel Push/Pull Knobs, with Tapped Blind Hole, Plain or Knurled Rim</b></p>

Series beginning with the "EN" title represent **elesa**® Original Design Products

1.1 Knobs

Continued



**SS** Stainless Steel  
**GN 676.5**  
**Stainless Steel Push/Pull Knobs**, with Tapped Blind Hole, Plain or Knurled Rim

Gear Lever Handles



**GN 310**  
**Zinc Plated Steel Gear Lever Handles**, with Threaded Stem



**GN 310**  
**Blackened Steel Gear Lever Handles**, with Threaded Stem



**SS** Stainless Steel  
**GN 310**  
**Stainless Steel Gear Lever Handles**, with Threaded Stem

T-Handles



**GN 563.2**  
**Aluminium T-Handles**, Tapped



**EN 563**  
**Technopolymer Plastic T-Handles**, Tapped Brass Insert or Modded-in Thread



**EN 563.1**  
**Technopolymer Plastic T-Handles**, with Threaded Stud



**TIR**  
**Nylon Plastic T-Bar Knobs**, Tapped, with Molded-in Thread



**TH**  
**Polypropylene Plastic T-Bar Knobs**, with Tapped Insert



**TBK**  
**Nylon Plastic T-Bar Knobs**, with Tapped Insert

For complete technical information, CAD models and online buying, visit [www.jwwinco.com](http://www.jwwinco.com)



Revolving Handles GN 798 → Page 16

Revolving Handles with Stainless Steel Stem GN 798.1 → Page 16

Retractable Handles GN 798.3 → Page 17

Retractable Handles with Stainless Steel Locking Mechanism GN 798.5 → Page 17

# 1.2 Operating by Using Machine and Device Handles

- Cabinet "U" Handles
- Arched Handles
- Finger Handles · Folding Handles
- Tubular Handles
- Ledge Handles · Gripping Trays



## Cabinet "U" Handles



 Color Options  
**GN 565**  
**Aluminum Cabinet "U" Handles, with Tapped Holes**



 Color Options  
**GN 565.1**  
**Aluminum Cabinet "U" handles, with Counterbored Mounting Holes**



**SS** Stainless Steel  
**GN 565.5**  
**Stainless Steel Cabinet "U" Handles, with Tapped Holes**



**GN 564**  
**Polyurethane Foam Rubber Cabinet "U" Handles, with Steel Core and Tapped Holes**



**EN 725**  
**Technopolymer Plastic Cabinet "U" Handles, with Tapped Inserts**



**EN 725**  
**Technopolymer Plastic High Temperature Cabinet "U" Handles, with Tapped Inserts**



**EN 725.1**  
**Technopolymer Plastic Cabinet "U" Handles, with Counterbored Mounting Holes**



**GN 565.2**  
**Aluminum Angled Cabinet "U" Handles, with Tapped Holes**



**SS** Stainless Steel  
**GN 565.7**  
**Stainless Steel Angled Cabinet "U" Handles, with Tapped Holes**



 Color Options  
**EN 630.1**  
**Ergostyle® Technopolymer Plastic Off-Set Open "U" Handles**



 Color Options  
**EN 625**  
**Technopolymer Plastic Cabinet "U" Handles, with Tapped Inserts**



**EN 625**  
**Cleanline Technopolymer Plastic Cabinet "U" Handles, with Tapped Inserts**

Series beginning with the "EN" title represent  Original Design Products

## 1.2 Operating by Using Machine and Device Handles



**EN 525**  
Plastic Cabinet "U"  
Handles, with Tapped  
Inserts



**MT**  
Nylon Plastic Cabinet  
"U" Handles, with Tapped  
Inserts



**MF**  
Nylon Plastic Cabinet "U"  
Handles, with Counterbored  
Mounting Holes



**MFE**  
Polypropylene Plastic  
Cabinet "U" Handles, with  
Counterbored Mounting  
Holes



**EN 528**  
Technopolymer Plastic  
Cabinet "U" Handles, with  
Counterbored Mounting  
Holes



**MFB**  
Nylon Plastic Cabinet  
"U" Handles, with Tapped  
Inserts



**MFP**  
Nylon Plastic Cabinet "U"  
Handles, with Threaded  
Studs



**EN 528.1**  
Technopolymer Plastic  
Cabinet "U" Handles, with  
Tapped Inserts



**EN 528.2**  
Technopolymer Plastic  
Cabinet "U" Handles, with  
Countersunk Mounting  
Holes



**EN 528.3**  
Technopolymer Plastic  
Cabinet "U" Handles,  
countersunk for Mounting  
with Hexagon Head Screws



**MS**  
Phenolic Plastic Cabinet  
"U" Handles, with Tapped  
Inserts



**GN 728**  
"Economical" Aluminum  
Cabinet "U" Handles,  
Tapped or Thru Hole



**GN 728.5**  
"Economical" Stainless  
Steel Cabinet U-Handles,  
with Tapped or Thru Holes



**GN 565.3**  
Aluminum Cabinet "U"  
Handles, with Tapped or  
Countersunk Thru Holes



**GN 559**  
Aluminum Cabinet / Door  
Handle, with Tapped Holes



**GN 668**  
Aluminum Cabinet "U"  
Handles, with Tapped Holes  
or Top Mount Plates



**EN 628**  
Technopolymer Plastic  
Ergostyle® Bridge  
Handles, with Counterbored  
Mounting Holes



**EN 628.2**  
Technopolymer Plastic  
Spacers, for EN 628 /  
EN 628.3 Cabinet Bridge  
Handles



**EN 628.1**  
Technopolymer Plastic  
Antimicrobial Ergostyle®  
Bridge Handles, with  
Counterbored Mounting  
Holes



**EN 628.3**  
Technopolymer Plastic  
Flexible Ergostyle® Bridge  
Handles, with  
Tapped Inserts

Series beginning with the "EN" title represent **elesa**® Original Design Products

Cabinet "U"  
Handles

1.2

Continued



**EN 628.4**  
**Technopolymer Plastic Safety Cabinet "U" Handles, with Cable**



**EN 628.4**  
**Technopolymer Plastic Safeth Cabinet "U" Handles, with Connector**



**GN 225**  
**Cast Iron Cabinet "U" Handles, with Tapped Holes**



**GN 423**  
**Aluminum Rack Handles, with Self Tapping Holes**



**EN 627**  
**Technopolymer Plastic Cabinet "U" Handles, with Tapped Insearts**



**GN 427**  
**Aluminum Cabinet "U" Handles, with Tapped Holes**



**SS** Stainless Steel  
**GN 427.5**  
**Stainless Steel Cabinet "U" Handles, with Tapped Holes**



**GN 425**  
**Steel Round Cabinet "U" Handles, with Tapped Holes**



**Color Options**  
**GN 425**  
**Aluminum Round Cabinet "U" Handles, with Tapped Holes**



**SS** Stainless Steel  
**GN 425**  
**Stainless Steel Round Cabinet "U" Handles, with Tapped Holes**



**GN 425.3**  
**Weldable Blank Steel Cabinet "U" Handles, No Mounting Threads**



**SS** Stainless Steel  
**GN 425.3**  
**Weldable Blank Stainless Steel Cabinet "U" Handles, No Mounting Threads**



**GN 425.1**  
**Steel Offset Round Cabinet "U" Handles, with Tapped Holes**



**SS** Stainless Steel  
**GN 425.1**  
**Stainless Steel Offset Round Cabinet "U" Handles, with Tapped Holes**



**EN 425.7**  
**Steel / Plastic Cabinet "U" Handles, with Plastic Insulation**



**GN 426**  
**Round Aluminum Cabinet "U" Handles, with Tapped Holes**



**SS** Stainless Steel  
**GN 426.5**  
**Stainless Steel Cabinet "U" Handles, with Back-to-Back Mounting Capability**



**HD**  
**SS** Stainless Steel  
**GN 429**  
**Stainless Steel Cabinet "U" Handles, Hygienic Design, with Tapped Holes**



**GN 426.1**  
**Offset Round Aluminum Cabinet "U" Handles, with Tapped Holes**



**SS** Stainless Steel  
**GN 426.6**  
**Stainless Steel Cabinet "U" Handles, with Tapped Holes**

Series beginning with the "EN" title represent **elesa** Original Design Products

## 1.2 Operating by Using Machine and Device Handles



**GN 426.3**  
**Weldable Steel Cabinet "U" Handles**, no Mounting Threads



**GN 428**  
**Aluminum Cabinet "U" Handles**, with Tapped or Thru Holes and Mounting Hardware



**GN 181**  
**Zinc Die Cast Fastening Sets**, for Cabinet "U" Handles

### Arched Handles



 **GN 565.4**  
**Aluminum Arch Handles**, with Tapped or Thru Holes



 **GN 565.9**  
**Stainless Steel Arched Pull Handles**, with Tapped or Thru Holes



**GN 665**  
**Aluminum Powder Coated Arched Pull Handles**, with Tapped Holes



**GN 424.1**  
**Steel Arched Pull Handles**, with Tapped Holes



 **GN 424.5**  
**Stainless Steel Arched Pull Handles**, with Tapped Holes



 **EN 365**  
**Plastic Cabinet "U" Handles**, with Counterbored Mounting Holes

### Finger Handles



**GN 224.1**  
**Steel Finger Grip Handles**, with Tapped Holes



 **GN 224.5**  
**Stainless Steel Finger Grip Handles**, with Tapped Holes

### Folding Handles



**GN 425.2**  
**Steel Folding Handles**, with Threaded Stems



 **GN 425.2**  
**Stainless Steel Folding Handles**, with Threaded Stems



**GN 425.5**  
**Steel Folding Handles**, with Thru Holes



 **GN 425.5**  
**Stainless Steel Folding Handles**, with Thru Holes

Series beginning with the "EN" title represent  Original Design Products

Folding Handles

Continued

1.2



**SS** Stainless Steel  
**GN 425.8**  
**Steel or Stainless Steel Folding Cabinet "U" Handles, with Recessed Tray**



**EN 825.2**  
**Plastic Folding Handles, with Recessed Tray**



**EN 825.1**  
**Plastic Folding Handles**

Tubular Handles



**GN 333.1**  
**Straight Tubular Grip Handles, with Tapped Holes**



**GN 333.3**  
**Aluminum Tubular Grip Handles, with Straight Movable Legs, with Tapped Holes**



**GN 331**  
**Aluminum Tubular Handles, with Power Switching Function, with Tapped Holes**



**SS** Stainless Steel  
**GN 333.5**  
**Straight Stainless Steel Tubular Grip Handles, with Tapped Holes**



**GN 333.8**  
**Angled Handle Legs, for Tubular Handles, with Tapped Holes**



**GN 333.9**  
**Straight Handle Legs, for Tubular Handles, with Tapped Holes**



**GN 333**  
**Offset Aluminum Tubular Handles, with Tapped Holes**



**GN 333.2**  
**Aluminum Tubular Grip Handles, with Angled Movable Legs, with Tapped Holes**



**GN 332**  
**Aluminum Tubular handles, with Power Switching Function, with Tapped Holes**



**SS** Stainless Steel  
**GN 667**  
**Aluminum / Stainless Steel Tubular Grip Handles, with Socket Head Cap Screws**



**SS** Stainless Steel  
**GN 667.2**  
**Aluminum / Stainless Steel Tubular Grip Handles, with Tapped Inserts**



**Color Options**  
**EN 767**  
**Aluminum Ergostyle® Tubular Handles, with Thru Holes for Mounting**



**EN 767.1**  
**Aluminum Tubular Grip Handles, with Thru Holes**



**GN 334**  
**Aluminum Oval Tubular Handles, with Thru Holes**



**GN 334.1**  
**Aluminum or Stainless Aluminum Oval Tubular Handles, With Thru Holes**



**GN 669**  
**Aluminum System Handles, with Back to Back Mounting Capability**

Series beginning with the "EN" title represent **elesa** Original Design Products

## 1.2 Operating by Using Machine and Device Handles



**SS** Stainless Steel  
**GN 666**  
**Aluminum or Stainless Steel Tubular Grip Handles**, with Tapped Inserts for Mounting



**SS** Stainless Steel  
**GN 666.1**  
**Aluminum or Stainless Steel Tubular Grip Handles**, with Socket Head Cap Screws For Mounting



**SS** Stainless Steel  
**GN 666.4**  
**Aluminum or Stainless Steel Tubular Arch Handles**, with Tapped Holes for Mounting



**SS** Stainless Steel  
**GN 666.5**  
**Stainless Steel Tubular Grip Handles**, with Tapped Holes for Mounting



**SS** Stainless Steel  
**GN 666.7**  
**Stainless Steel Tubular Grip Handles**, for Mounting from the Operator's Side



**GN 366**  
**Aluminum Oval Tubular Grip Handles**, with Tapped Inserts for Mounting



**GN 930**  
**Extruded Aluminum Handle Tubes**, with Screw Channel



**GN 481**  
**Aluminum Edge Handles**, with Thru Holes for Mounting

### Ledge Handles



**GN 430**  
**Aluminum Ledge Handles**, with Screw Channel For Mounting



**GN 430.1**  
**Aluminum Ledge Handles**, with Lettering Block, with Screw Channel For Mounting



**GN 730**  
**Extruded Aluminum Grip Handles**, with Tapped Holes



**SS** Stainless Steel  
**GN 730.5**  
**Stainless Steel Ledge Handle**, with Tapped Holes



**EN 130**  
**Plastic Ledge Handles**, with Brass Tapped Inserts



**Color Options**  
**EN 630**  
**Technopolymer Plastic Ergostyle® Off-Set Enclosed Safety "U" Handles with Thru Holes**



**Color Options**  
**EN 630.2**  
**Technopolymer Plastic Ergostyle® Safety "U" Handles**, with Guard Safety Handles



**MFA**  
**Safety-Closed Angled Nylon Plastic Pull Handles**, With Thru Holes

### Gripping Trays



**EN 731**  
**Plastic Gripping Trays**, Clip-in Type



**EN 731**  
**Cleanline Plastic Gripping Trays**, Clip-in Type



**Color Options**  
**EN 733**  
**Plastic Gripping trays**, Screw-in Type



**Color Options**  
**EN 731.1**  
**Cabinet "U" Handles**, Plastic Gripping Trays Clip-in Type

Series beginning with the "EN" title represent Original Design Products

Gripping Trays

Continued

1.2



EN 739  
Plastic Gripping Trays



EN 739  
Cleanline Plastic Gripping  
Trays

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For complete technical information, CAD models and online buying, visit [www.jwwinco.com](http://www.jwwinco.com)



Aluminum Cabinet "U" Handles  
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GN 565.1 → Page 20  
GN 565.2 → Page 20  
GN 565.4 → Page 25

1.3

# 1.3 Adjusting with Handwheels and Cranks

- Spoked Handwheels
- Disk Handwheels
- Handwheels with Retractable Handle
- Safety Handwheels
- Control Handwheels
- Crank Handles
- Crank Handles with Retractable Handle
- Indexing Cranked Handles



## Spoked Handwheels



**GN 924**  
**Aluminum Flat-Faced Spoked Handwheels**, with or without Revolving Handle



**GN 322**  
**Aluminum Two Spoked Handwheels**, with or without Revolving Handle



**GN 324**  
**Aluminum Two Spoked Handwheels**, with or without Revolving Handle



**EN 522**  
**Technopolymer Plastic Two Spoked Handwheels**, with or without Revolving Handle



**SS** Stainless Steel  
**EN 522.5**  
**Technopolymer Plastic Two Spoked Handwheels**, with Revolving Handle and Stainless Steel Hub



**V3RA**  
**Glass Filled Nylon Plastic Three Spoked Handwheels**, with or without Revolving Handle



**VRAF**  
**Fiber Reinforced Phenolic Plastic Three Spoked Handwheels**, with or without Revolving Handle



**EN 940**  
**Phenolic Plastic Three Spoked Handwheels**, with or without Revolving Handle



**GN 555**  
**Phenolic Plastic Three Spoked Handwheels**, with or without Revolving Handle, Blank Hub Type



**DIN 950**  
**Cast Iron / Aluminum Spoked Handwheels**, with or without Revolving Handle



**GN 950.1**  
**Cast Iron Spoked Handwheels with Large Hub**, with or without Revolving Handle



**SS** Stainless Steel  
**GN 950.6**  
**Stainless Steel Spoked Handwheels**, with or without Fixed Revolving Handle

Series beginning with the "EN" title represent **elesa** Original Design Products

# 1.3 Adjusting with Handwheels and Cranks



**SS** Stainless Steel  
**GN 949**  
**Stainless Steel Three Spoked Handwheels**, with or without Revolving Handle



**SS** Stainless Steel  
**GN 227.2**  
**Stainless Steel Spoked Handwheels**, with or without Revolving Handle



**SS** Stainless Steel  
**GN 227.4**  
**A4 Stainless Steel Spoked Handwheels**, with or without Revolving Handle



**GN 227.1**  
**Steel, Spoked Handwheels**, with Round or Square Bore

## Disk Handwheels



**GN 923**  
**Aluminum Flat-Faced Solid Disk Handwheels**, with or without Revolving Handle



**GN 321**  
**Aluminum Solid Disk Handwheels**, with or without Revolving Handle



**GN 323**  
**Black Powder Coated Solid Disk Aluminum Handwheels**, with or without Revolving Handle



**DIN 3670**  
**Aluminum Solid Disk Handwheels**



**SHA**  
**Nylon Plastic Solid Disk Handwheels**, with or without Revolving Handle



**EN 521**  
**Technopolymer Plastic Solid Disk Handwheels**, with or without Revolving Handle



**SS** Stainless Steel  
**EN 521.5**  
**Technopolymer Plastic Solid Disk Handwheels**, with Stainless Steel Hub, with or without Revolving Handle



**EN 524**  
**Technopolymer Plastic Solid Disk Handwheels**, with or without Revolving Handle



**SS** Stainless Steel  
**EN 520.6**  
**Reinforced Phenolic Plastic Solid Disk Handwheels**, with Stainless Steel Hub, with or without Revolving Handle



**EN 520**  
**Reinforced Phenolic Plastic Solid Disk Handwheels**, with or without Revolving Handle



**VPRA**  
**Phenolic Plastic Solid Disk Handwheels**, with or without Revolving Handle



**VPRA-MS**  
**Phenolic Plastic Solid Disk Handwheels**, with Stainless Steel Hub and Revolving Handle



**EN 520.1**  
**Reinforced Phenolic Plastic Solid Disk Handwheels**, with Revolving Handle

Series beginning with the "EN" title represent **elesa** Original Design Products

Handwheels  
with Retractable  
Handle

1.3



**EN 521.3**  
**Technopolymer Plastic Solid Disk Handwheels, with Locking Retractable Handle**



**SS** Stainless Steel  
**EN 521.6**  
**Technopolymer Plastic Solid Disk Handwheels, with Stainless Steel Hub and Locking Retractable Handle**



**EN 521.7**  
**Technopolymer Plastic Solid Disk Handwheels, with Safety Fold-Away Handle**



**SHA-MRP**  
**Nylon Plastic Solid Disk Handwheels, with Locking Retractable Handle**



**VPRA-MR**  
**Phenolic Plastic Solid Disk Handwheels, with Locking Retractable Handle**



**GN 321.7**  
**Solid Disk Aluminum Handwheels, with Safety Retractable Handle**



**GN 923.3**  
**Aluminum Flat-Faced Solid Disk Handwheels, with Recessed Locking Retractable Handle**



**GN 923.7**  
**Aluminum Flat-Faced Solid Disk Handwheels, with Recessed Safety Retractable Handle**



**EN 520.4**  
**Reinforced Phenolic Plastic Solid Disk Handwheels, with Locking Retractable Handle**



**EN 520.3**  
**Reinforced Phenolic Plastic Solid Disk Handwheels, with Locking Retractable Handle**



**EN 524.3**  
**Technopolymer Plastic Solid Disk Handwheels, with Locking Retractable Handle**



**GN 924.3**  
**Aluminum Flat-Faced Spoked Handwheels, with Recessed Locking Retractable Handle**



**GN 924.7**  
**Aluminum Flat-Faced Spoked Handwheels, with Recessed Safety Retractable Handle**



**GN 322.3**  
**Aluminum Two Spoked Handwheels, with Locking Retractable Handle**



**GN 322.7**  
**Aluminum Two Spoked Handwheels, with Safety Retractable Handle**



**EN 522.3**  
**Technopolymer Plastic Two Spoked Handwheels, with Locking Retractable Handle**



**SS** Stainless Steel  
**EN 522.6**  
**Technopolymer Plastic Two Spoked Handwheels, with Stainless Steel Hub and Retractable Handle**



**V3RA-MRE**  
**Glass Filled Nylon Plastic Three Spoked Handwheels, with Locking Retractable Handle**



**VRAF-MR**  
**Fiber Reinforced Phenolic Plastic Three Spoked Handwheels, with Locking Retractable Handle**

Series beginning with the "EN" title represent **elesa** Original Design Products

# 1.3 Adjusting with Handwheels and Cranks

## Safety Handwheels



**GN 321.4**  
Solid Disk Aluminum Safety Clutch Handwheels, with Friction Bearing Mechanism



**GN 321.5**  
Solid Disk Aluminum Safety Clutch Handwheels, with Needle Bearing Mechanism



**GN 323.4**  
Black Coated Solid Disk Aluminum Safety Clutch Handwheels, with Friction Bearing Mechanism



**GN 323.5**  
Black Coated Solid Disk Aluminum Safety Clutch Handwheels, with Needle Bearing Mechanism



**GN 322.4**  
Two Spoked Aluminum Safety Clutch Handwheels, with Friction Bearing Mechanism



**GN 322.5**  
Two Spoked Aluminum Safety Clutch Handwheels, with Needle Bearing Mechanism



**GN 000.4**  
Steel Safety Clutch Assemblies, with Friction Bearing



**GN 000.5**  
Steel Safety Clutch Assemblies, with Needle Bearing



**GN 321.6**  
Aluminum Solid Disk Safety Clutch Handwheels, with or without Steel Revolving Handle



**GN 327**  
Solid Disk Aluminum Safety Handwheels, with Fixed Bearing Flange

## Control Handwheels



**GN 736**  
Aluminum Knurled Control Knobs, with or without Revolving Handle



**GN 736.1**  
Aluminum Knurled Control Knobs, with disposition for scale, with or without Revolving Handle



**GN 736.1**  
Aluminum Knurled Control Knobs with standard scale, with or without Revolving Handle



**ALCK**  
Aluminum Control Knobs, with or without Fixed Handle



**SS** Stainless Steel  
**SSCK**  
Stainless Steel Control Knobs, with or without Fixed Handle



**EN 735**  
Plastic Knurled Control Handwheels, with Revolving Handle



**GN 226**  
Nylon Plastic Knurled Control Handles, Blank, Threaded and Through Bore Type



**GN 226.1**  
Aluminum Cover Disks, with or without Symbol

Series beginning with the "EN" title represent **elesa** Original Design Products

Control Handwheels

Continued

1.3



**EN 527**  
Reinforced Phenolic Plastic Six-Lobed Control Knobs, Blank, Through Bored or Tapped Thru Inserts



**EN 527.2**  
Reinforced Phenolic Plastic Six-Lobed Control Knobs, with Revolving Handle



**VU**  
Phenolic Plastic Five-Lobed Control Knobs, with Steel Hub



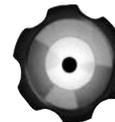
**VUA**  
Phenolic Plastic Five-Lobed Control Knobs, with Through Steel Hub



**VUM**  
Phenolic Plastic Five-Lobed Control Knobs, with Revolving Handle



**LMA**  
Nylon Plastic Six-Lobed Control Knobs, with Through Steel Hub



**LMAQ**  
Nylon Plastic Quick Release Six-Lobed Hand Knobs



**GN 227**  
Pressed Steel Valve Handwheels

Crank Handles



**GN 471**  
Aluminum Crank Handles, with Through Round or Square Bore



**GN 471.1**  
Zinc Die-Cast Crank Handles, with Through Round or Square Bore



**MV-M**  
Nylon Plastic Crank Handles, with Pilot Bore



**MV-PM**  
Nylon Plastic Crank Handles, with Stainless Steel Hub



**MH-MEP**  
"Economical" Nylon Plastic Crank Handles, with Pilot Bore



**WRHC**  
Nylon Plastic Retractable Hand Cranks, with Blind Bore



**EN 570**  
Technopolymer Plastic Crank Handles, with Revolving Handle



**EN 570**  
Technopolymer Plastic Crank Handles, with Revolving Handle and Pilot Hole



**EN 570.1**  
Technopolymer Plastic Crank Handles, with Revolving Handle and Square Bore



**EN 570.2**  
Technopolymer Plastic Crank Handles, with Revolving Handle



**EN 670**  
Technopolymer Plastic Ergostyle® Crank Handles, with Blind Bore



**DIN 468**  
Cast Iron Off-Set Crank Handles, with Fixed or Revolving Handle and Round or Square Bore

Series beginning with the "EN" title represent **elesa** Original Design Products

## 1.3 Adjusting with Handwheels and Cranks



**DIN 469**  
**Cast Iron Straight Crank Handles**, with Fixed or Revolving Handle and Round or Square Bores



**SS** Stainless Steel  
**GN 269**  
**Stainless Steel Straight Crank Handles**, with Round or Square Bores



**GN 369**  
**Steel Commercial Crank Handles**, with Revolving Handle



**LR 318**  
**Steel Ratcheting Crank Handles**, with Revolving Handle and Through Square



**EN 670.2**  
**Technopolymer Plastic Ergostyle® Crank Handles**, with Revolving Handle



**EN 510**  
**Phenolic Plastic Control Handles**, with Blind Bore



**GN 112.1**  
**Zinc Die-Cast Control Handwheels**, with Blind Bore



**GN 10**  
**Steel Tri-Ball Handles**, with Through Bore

### Crank Handles with Retractable Handle



**GN 471.3**  
**Aluminum Crank Handles**, with Locking Retractable Handle



**GN 472.3**  
**Aluminum Crank Handles**, with Recessed Locking Retractable Handle



**MV-MR**  
**Nylon Plastic Crank Handles**, with Locking Retractable Handle



**MH-PGR**  
**“Economical” Nylon Plastic Crank Handles**, with Locking Retractable Handle



**MH-MRS**  
**“Economical” Nylon Plastic Crank Handles**, with Locking Retractable Handle



**EN 570.3**  
**Technopolymer Plastic Crank Handles**, with Locking Retractable Handle



**EN 570.6**  
**Technopolymer Plastic Crank Handles**, with Locking Retractable Handle

### Indexing Crank Handles



**GN 558**  
**Cast Iron Indexing Crank Handles**, with Plain Through Bore or Through Bore with Keyway

Series beginning with the “EN” title represent **elesa**® Original Design Products

# 1.4 Adjusting, Positioning, Locking

1.4

with and without Position Indication

- Rulers
- Levels
- Scale Rings
- Control Knobs
- Indexing Mechanisms
- Position Indicators
- Accessories



## Rulers



**SS** Stainless Steel  
**GN 711**  
**Inch Plastic or Stainless Steel Self-Adhesive Rulers**



**SS** Stainless Steel  
**GN 711**  
**Metric Plastic or Stainless Steel Self-Adhesive Rulers**



**SS** Stainless Steel  
**GN 711.1**  
**Plastic or Stainless Steel Self-Adhesive Indicator Arrows, for Rulers**



**GN 711.2**  
**Aluminum Rulers, with 3.3 mm Mounting Holes**



**GN 711.3**  
**Aluminum Indicator Arrows With Mounting Holes, for Use With Rulers**

## Levels



**GN 2277**  
**Aluminum Bull's Eye Levels, with Mounting Flange**



**SS** Stainless Steel  
**GN 2277.1**  
**Adjustment Plates, for Bull's Eye Levels GN 2277**



**GN 2278**  
**Aluminum Bull's Eye Levels, for Insertion into Bore Holes**



**GN 2279**  
**Aluminum Bull's Eye Levels, for Surface Mounting**



**GN 2280**  
**Aluminum Bull's Eye Levels**, with Mounting Threads



**GN 2281**  
**Aluminum or Plastic Bull's Eye Levels**, for Installation in Recessed Bore Holes and Housings



**GN 2282**  
**Brass Screw-on Levels**, for Mounting with Screws

Scale Rings



**GN 164**  
**Steel Scale Rings**, Blank, No Scale



**GN 164**  
**Steel Scale Rings**, Matte Chrome Plated, with Scale



**GN 264**  
**Steel Scale Rings**, Blank, no Scale



**GN 264**  
**Steel Scale Rings**, Matte Chrome Plated, with Scale



**GN 268**  
**Steel Collar Bushings**, for GN 264 Scale Rings



**GN 374**  
**Flat Springs**, for GN 264 Scale Rings

Control Knobs



**EN 526**  
**Technopolymer Plastic Control Knobs**, with Steel Insert



**EN 526.1**  
**Aluminum Control Knob Flanges**, with Pointer, Calibrated Scale, or Blank



**EN 626**  
**Technopolymer Plastic Scale Knobs**, with Scale



**GN 726**  
**Aluminum Knurled Control Knobs**, Plain Bore or Collet Type



**GN 726.1**  
**Aluminum Knurled Control Knobs**, Straight Shoulder Type



**GN 726.2**  
**Aluminum Knurled Control Knobs**, Plain Bore or Collet Type



**SS** Stainless Steel  
**GN 436**  
**Stainless Steel Knurled Control Knobs**



**SS** Stainless Steel  
**GN 436.1**  
**Stainless Steel Knurled Control Knobs**, with Extended Hub for Graduation Scale

Series beginning with the "EN" title represent **elesa** Original Design Products



Control Knobs

Continued

1.4



**GN 723.4**  
**Aluminum Knurled Control Knobs**, with Socket Set Screw



**GN 723.3**  
**Aluminum Control Knob Flanges with Location Point**, for Control Knobs GN 723.4



**EN 624**  
**Technopolymer Plastic Ergostyle® Soft Grip Knobs**



**EN 624.5**  
**Technopolymer Plastic Ergostyle® Soft Grip Knobs**, with Stainless Steel Hub



**GN 826**  
**Clamping Elements**, for Adjustable Spindles



**VBI**  
**Phenolic Plastic Six-Lobed Skirted Control Knobs**, with Skirt and Pointer



**EN 5338**  
**Plastic Control Knobs**, with Pointer, with or without Skirt



**MRI**  
**Phenolic Plastic Pointer Knobs**, Blind Bore Type with Set Screw



**GN 729**  
**Aluminum Control Knobs**, Black Adonized



**GN 727**  
**Steel Control Knobs with Adjustable Spindle**, with Graduations

Indexing Mechanisms



**GN 200**  
**Steel Indexing Mechanisms**



**SS** Stainless Steel  
**GN 200**  
**Stainless Steel Indexing Mechanisms**



**GN 700**  
**Steel Indexing Knobs**, with Stepless Positioning



**GN 215**  
**Steel Indexing Levers**, with or without Serrations

Position Indicators



**EN 9053**  
**Electronic Position Indicators**, with LCD-Display, 6 Digits



**EN 9054**  
**Electronic Position Indicators**, with LCD-Display, 5 Digits



**EN 000.8**  
**Technopolymer Plastic Position Indicators**, for GN 323.8 Handwheels



**EN 000.3**  
**Technopolymer Plastic Position Indicators**

Series beginning with the "EN" title represent **elesa** Original Design Products



**EN 5348**  
**Technopolymer Plastic Hand Knobs**, with Position Indicator, Integrated Pendulum System and Analog Indication



**EN 5343**  
**Technopolymer Plastic Hand Knobs**, with Position Indicator, Integrated Pendulum System and Analog Indication



**EN 534.8**  
**Technopolymer Plastic Hand Knob**, for Position Indicators EN 000.8 / 000.3



**EN 526.8**  
**Technopolymer Plastic Knurled Hand Knobs**, for Position Indicators EN 000.8 / 000.3



**EN 577.8**  
**Technopolymer Plastic Handwheels**, for Position Indicators EN 000.8 / 000.3



**SS** Stainless Steel  
**EN 577.8**  
**Technopolymer Plastic Handwheels**, for Position Indicators EN 000.8 / 000.3, with Stainless Steel Bushing



**EN 522.8**  
**Technopolymer Plastic Two Spoked Handwheels**, for Position Indicators EN 000.8 / 000.3



**EN 521.8**  
**Technopolymer Plastic Solid Disk Handwheels**, with Revolving Handle, for Position Indicators EN 000.8 / 000.3



**GN 323.8**  
**Aluminum Solid Disk Handwheels**, with Revolving Handle, for Position Indicators EN 000.8 / 000.3



**EN 000.9**  
**Technopolymer Plastic Position Indicators**, for EN 577.9 Handwheels



**EN 000.13**  
**Technopolymer Plastic Position Indicators**, with Digital / Analog Indication



**EN 534.9**  
**Plastic Hand Knobs**, for Position Indicators EN 000.9 / 000.13



**EN 577.9**  
**Plastic Handwheels**, for Positive Drive Position Indicators EN 000.9 / 000.13



**GN 323.9**  
**Aluminum Solid Disk Handwheels**, with or without Revolving Handle for Position Indicators EN 000.9 / 000.13



**EN 520.9**  
**Fiber Reinforced Phenolic Plastic Solid Disk Handwheels**, with Revolving Handle for Position Indicators EN 000.9 / 000.13



**Color Options**  
**EN 953**  
**Plastic Digital Position Indicators**, 5 Digit Display



**Color Options**  
**EN 954**  
**Plastic Digital Position Indicators**, 4 Digit Display



**Color Options**  
**EN 955**  
**Plastic Mini Digital Position Indicators**, 3 Digit Display

Series beginning with the "EN" title represent **elesa** Original Design Products



Accessories

1.4



**GN 953.1**  
**Spacer Plates**, for Position Indicators EN 953



**EN 954.1**  
**Spacer Plates**, for Position Indicators EN 954



**EN 952.1**  
**Mounting Adaptors**, for Position Indicators EN 953 / 954



**SS** Stainless Steel  
**EN 952.1**  
**Stainless Steel Mounting Adaptors**, for Position Indicators EN 953 / 954



**GN 957**  
**Aluminum Control Knobs**, for Position Indicators



**EN 954.3**  
**Technopolymer Plastic Control Knobs**, for Position Indicator EN 954



**GN 953.6**  
**Clamping Plates**, for Position Indicator EN 953



**GN 954.6**  
**Clamping Plates**, for Position Indicator EN 954



**EN 576**  
**Technopolymer Plastic Cover Disks**, for Control Knobs / Handwheels without Position Indicator

For complete technical information, CAD models and online buying, visit [www.jwwinco.com](http://www.jwwinco.com)



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- Control Knobs GN 726.2 → Page 37
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# 2.1 Tensioning, Clamping, Switching with Levers

2.1

Adjustable Hand Levers / Tension Levers  
Safety Hand Levers / Tension Levers  
Ratchet Spanners  
Clamping Levers / Tension Levers  
Control Levers



## Adjustable Hand Levers / Tension Levers



 Color Options  
**GN 300**  
**Zinc Die-Cast Adjustable Levers, Tapped or Blind Bore Type with Steel Components**



 Color Options  
**GN 300**  
**Zinc Die-Cast Adjustable Levers, Threaded Stud Type With Steel Components**



 Color Options  
**WN 300**  
**Nylon Plastic Adjustable Levers, Tapped or Blind Bore Type with Steel Components**



 Color Options  
**WN 300**  
**Nylon Plastic Adjustable Levers, Threaded Stud Type with Steel Components**



 **SS** Stainless Steel  Color Options  
**GN 300.1**  
**Zinc Die-Cast Adjustable Levers, Tapped Type with Stainless Steel Components**



 **SS** Stainless Steel  Color Options  
**GN 300.1**  
**Zinc Die-Cast Adjustable Levers, Threaded Stud Type with Stainless Steel Components**



 **SS** Stainless Steel  Color Options  
**WN 300.1**  
**Nylon Plastic Adjustable Levers, Tapped or Blind Bore Type with Stainless Steel Components**



 **SS** Stainless Steel  Color Options  
**WN 300.1**  
**Nylon Plastic Adjustable Levers, Threaded Stud Type with Stainless Steel Components**



 **SS** Stainless Steel  
**GN 300.5**  
**Stainless Steel Adjustable Levers, Tapped Type with Stainless Steel Components**



 **SS** Stainless Steel  
**GN 300.5**  
**Stainless Steel Adjustable Levers, Threaded Stud Type with Stainless Steel Components**



 **SS** Stainless Steel  
**GN 300.6**  
**Polished Stainless Steel Adjustable Levers, Tapped Type with Stainless Steel Components**



 **SS** Stainless Steel  
**GN 300.6**  
**Polished Stainless Steel Adjustable Levers, Threaded Stud Type with Stainless Steel Components**

## 2.1 Tensioning, Clamping, Switching with Levers

 <p><b>GN 305</b> <b>Stainless Steel Adjustable Levers</b>, Tapped Insert Type, Hygienic Design</p>	 <p><b>GN 305</b> <b>Stainless Steel Adjustable Levers</b>, Threaded Stud Type, Hygienic Design</p>	 <p><b>GN 303</b> <b>Zinc Die-Cast Adjustable Levers with Push Button</b>, Tapped or Blind Bore Type with Steel Components</p>	 <p><b>GN 303</b> <b>Zinc Die-Cast Adjustable Levers with Push Button</b>, Threaded Stud Type with Steel Components</p>
 <p><b>WN 303</b> <b>Nylon Plastic Adjustable Levers with Push Button</b>, Tapped or Blind Bore Type with Steel Components</p>	 <p><b>WN 303</b> <b>Nylon Plastic Adjustable Levers with Push Button</b>, Threaded Stud Type with Steel Components</p>	 <p><b>GN 303.1</b> <b>Zinc Die-Cast Adjustable Levers with Push Button</b>, Tapped Type with Stainless Steel Components</p>	 <p><b>GN 303.1</b> <b>Zinc Die-Cast Adjustable Levers with Push Button</b>, Threaded Stud Type with Stainless Steel Components</p>
 <p><b>WN 303.1</b> <b>Nylon Plastic Adjustable Levers with Push Button</b>, Tapped or Blind Bore Type with Stainless Steel Components</p>	 <p><b>WN 303.1</b> <b>Nylon Plastic Adjustable Levers with Push Button</b>, Threaded Stud Type with Stainless Steel Components</p>	 <p><b>GN 300.4</b> <b>Zinc Die-Cast Adjustable Levers with Secure Clamping Force</b>, Tapped Type with Steel Components</p>	 <p><b>GN 300.4</b> <b>Zinc Die-Cast Adjustable Levers with Secure Clamping Force</b>, Threaded Stud Type with Steel Components</p>
 <p><b>GN 304</b> <b>Straight Zinc Die-Cast Adjustable Levers with Push Button</b>, Tapped or Blind Bore Type with Steel Components</p>	 <p><b>GN 304</b> <b>Straight Zinc Die-Cast Adjustable Levers with Push Button</b>, Threaded Stud Type with Steel Components</p>	 <p><b>WN 304</b> <b>Straight Nylon Plastic Adjustable Levers with Push Button</b>, Tapped or Blind Bore Type with Steel Components</p>	 <p><b>WN 304</b> <b>Straight Nylon Plastic Adjustable Levers with Push Button</b>, Threaded Stud Type with Steel Components</p>
 <p><b>GN 304.1</b> <b>Straight Zinc Die-Cast Adjustable Levers with Push Button</b>, Tapped or Blind Bore Type with Stainless Steel Components</p>	 <p><b>GN 304.1</b> <b>Straight Zinc Die-Cast Adjustable Levers with Push Button</b>, Threaded Stud Type with Stainless Steel Components</p>	 <p><b>WN 304.1</b> <b>Straight Nylon Plastic Adjustable Levers with Push Button</b>, Tapped or Blind Bore Type with Stainless Steel Components</p>	 <p><b>WN 304.1</b> <b>Straight Nylon Plastic Adjustable Levers with Push Button</b>, Threaded Stud Type with Stainless Steel Components</p>

2.1

Tensioning, Clamping, Switching with Levers

### Adjustable Hand Levers / Tension Levers

Continued

2.1

 <p> Color Options</p> <p><b>GN 302</b> <b>Straight Zinc Die-Cast Adjustable Levers</b>, Tapped or Blind Bore Type with Steel Components</p>	 <p> Color Options</p> <p><b>GN 302</b> <b>Straight Zinc Die-Cast Adjustable Levers</b>, Threaded Stud Type with Steel Components</p>	 <p> Color Options</p> <p><b>WN 302</b> <b>Straight Nylon Plastic Adjustable Levers</b>, Tapped or Blind Bore Type with Steel Components</p>	 <p> Color Options</p> <p><b>WN 302</b> <b>Straight Nylon Plastic Adjustable Levers</b>, Threaded Stud Type with Steel Components</p>
 <p> <b>Stainless Steel</b>  Color Options</p> <p><b>GN 302.1</b> <b>Straight Zinc Die-Cast Adjustable Levers</b>, Tapped or Blind Bore Type with Stainless Steel Components</p>	 <p> <b>Stainless Steel</b>  Color Options</p> <p><b>GN 302.1</b> <b>Straight Zinc Die-Cast Adjustable Levers</b>, Threaded Stud Type with Stainless Steel Components</p>	 <p> <b>Stainless Steel</b>  Color Options</p> <p><b>WN 302.1</b> <b>Straight Nylon Plastic Adjustable Levers</b>, Tapped or Blind Bore Type with Stainless Steel Components</p>	 <p> <b>Stainless Steel</b>  Color Options</p> <p><b>WN 302.1</b> <b>Straight Nylon Plastic Adjustable Levers</b>, Threaded Stud Type with Stainless Steel Components</p>
 <p> Color Options</p> <p><b>GN 101</b> <b>Adjustable Clamping Levers</b>, Tapped Type with Steel Components</p>	 <p> Color Options</p> <p><b>GN 101</b> <b>Adjustable Clamping Levers</b>, Threaded Stud Type with Steel Components</p>	 <p> <b>Stainless Steel</b>  Color Options</p> <p><b>GN 101.1</b> <b>Adjustable Clamping Levers</b>, Tapped Type with Stainless Steel Components</p>	 <p> <b>Stainless Steel</b>  Color Options</p> <p><b>GN 101.1</b> <b>Adjustable Clamping Levers</b>, Threaded Stud Type with Stainless Steel Components</p>
 <p> Color Options</p> <p><b>EN 602</b> <b>Ergostyle® Zinc Die-Cast Adjustable Levers</b>, Tapped Type with Steel Components</p>	 <p> Color Options</p> <p><b>EN 602</b> <b>Ergostyle® Zinc Die-Cast Adjustable Levers</b>, Threaded Stud Type with Steel Components</p>	 <p> <b>Stainless Steel</b>  Color Options</p> <p><b>EN 602.1</b> <b>Ergostyle® Zinc Die-Cast Adjustable Levers</b>, Tapped Type with Stainless Steel Components</p>	 <p> <b>Stainless Steel</b>  Color Options</p> <p><b>EN 602.1</b> <b>Ergostyle® Zinc Die-Cast Adjustable Levers</b>, Threaded Stud Type with Stainless Steel Components</p>
 <p> Color Options</p> <p><b>EN 603</b> <b>Technopolymer Ergostyle® Push Button Adjustable Levers</b>, Tapped Type</p>	 <p> Color Options</p> <p><b>EN 603</b> <b>Technopolymer Ergostyle® Adjustable Levers</b>, Threaded Stud Type</p>	 <p> <b>Stainless Steel</b>  Color Options</p> <p><b>EN 603.1</b> <b>Technopolymer Ergostyle® Adjustable Levers</b>, Tapped Type with Stainless Steel Components</p>	 <p> <b>Stainless Steel</b>  Color Options</p> <p><b>EN 603.1</b> <b>Technopolymer Ergostyle® Adjustable Levers</b>, Threaded Stud Type with Stainless Steel Components</p>

Series beginning with the "EN" title represent  Original Design Products

## 2.1 Tensioning, Clamping, Switching with Levers

 <p> Color Options</p> <p><b>EN 600</b> <b>Technopolymer Ergostyle® Flat Push Button Adjustable Levers, with Tapped Insert</b></p>	 <p> Color Options</p> <p><b>EN 600</b> <b>Technopolymer Ergostyle® Flat Push Button Adjustable Levers, with Threaded Stud</b></p>	 <p><b>EN 500</b> <b>Technopolymer Plastic Adjustable Levers, with Tapped Insert</b></p>	 <p><b>EN 500</b> <b>Technopolymer Plastic Adjustable Levers, with Threaded Stud</b></p>
 <p><b>EN 503</b> <b>Technopolymer Plastic Push Button Adjustable Levers, with Tapped Insert and Disengaging Locking Mechanism</b></p>	 <p><b>EN 503</b> <b>Technopolymer Plastic Push Button Adjustable Levers, with Threaded Stud and Disengaging Locking Mechanism</b></p>	 <p><b>SS</b> Stainless Steel</p> <p><b>EN 503.1</b> <b>Technopolymer Plastic Push Button Adjustable Levers, with Stainless Steel Tapped Insert and Disengaging Locking Mechanism</b></p>	 <p><b>SS</b> Stainless Steel</p> <p><b>EN 503.1</b> <b>Technopolymer Plastic Push Button Adjustable Levers, with Stainless Steel Threaded Stud and Disengaging Locking Mechanism</b></p>
 <p><b>GN 212.3</b> <b>Steel Heavy Duty Adjustable Levers, Tapped Type</b></p>	 <p><b>GN 212.3</b> <b>Steel Heavy Duty Adjustable Levers, Threaded Stud Type</b></p>	 <p><b>SS</b> Stainless Steel</p> <p><b>GN 212.5</b> <b>Stainless Steel Heavy Duty Adjustable Levers, Tapped Type</b></p>	 <p><b>SS</b> Stainless Steel</p> <p><b>GN 212.5</b> <b>Stainless Steel Heavy Duty Adjustable Levers, Threaded Stud Type</b></p>
 <p><b>GN 125</b> <b>Steel Flat Adjustable Levers, Tapped Type</b></p>	 <p><b>GN 125</b> <b>Steel Flat Adjustable Levers, Threaded Stud Type</b></p>	 <p><b>SS</b> Stainless Steel</p> <p><b>GN 125.5</b> <b>Stainless Steel Flat Adjustable Levers, Tapped Type</b></p>	 <p><b>SS</b> Stainless Steel</p> <p><b>GN 125.5</b> <b>Stainless Steel Flat Adjustable Levers, Threaded Stud Type</b></p>
 <p><b>GN 99.2</b> <b>Steel Adjustable Clamping Levers, Tapped Type, Push to Disengage</b></p>	 <p><b>GN 99.2</b> <b>Steel Adjustable Clamping Levers, Threaded Stud Type, Push to Disengage</b></p>	 <p><b>GN 6337.3</b> <b>Steel Adjustable Ball Levers, Tapped Type</b></p>	 <p><b>GN 6337.3</b> <b>Steel Adjustable Ball Levers, Threaded Stud Type</b></p>

2.1

Tensioning, Clamping, Switching with Levers

Series beginning with the "EN" title represent  Original Design Products

Safety Hand  
Levers /  
Tension Levers



**GN 312**  
**Steel Safety Adjustable Levers, Tapped Type, Push to Engage**



**GN 312**  
**Steel Safety Adjustable Levers, Threaded Stud Type, Push to Engage**

2.1

Ratchet  
Spanners



**GN 316**  
**Steel Interchangeable Insert Ratchet Wrenches, with Reversing Lever**

Clamping  
Levers /  
Tension Levers



**DIN 99**  
**Steel Clamping Levers, Tapped or Through Bore Type**



**SS** Stainless Steel  
**DIN 99**  
**Stainless Steel Clamping Levers, Tapped or Through Bore Type**



**GN 204**  
**Steel Short Clamping Levers, Tapped or Through Bore Type**



**DIN 6337**  
**Steel Ball Levers, Tapped or Through Bore Type**



**Color Options**  
**WN 400**  
**Plastic Fixed Clamping Levers, with Tapped Steel Insert**



**Color Options**  
**WN 400**  
**Plastic Fixed Clamping Levers, with Steel Threaded Stud**



**EN 601**  
**Plastic Clamping Levers, with Plain Bore, Square Bore, or Tapped Insert**



**EN 601**  
**Plastic Clamping Levers, Threaded Stud Type**



**GN 99.5**  
**Steel Clamp Nuts, with Tapped Through Holes**



**SS** Stainless Steel  
**GN 99.6**  
**Stainless Steel Clamp Nuts, with Tapped Through Holes**



**SS** Stainless Steel  
**GN 99.6**  
**Stainless Steel AISI 316L (A4) Clamp Nuts, with Tapped Through Holes**



**GN 99.7**  
**Steel Double Arm Clamp Nuts, with Tapped Through Holes**

Series beginning with the "EN" title represent **elesa** Original Design Products

## 2.1 Tensioning, Clamping, Switching with Levers



**SS** Stainless Steel  
**GN 99.8**  
**Stainless Steel AISI 316L (A4) Double Arm Clamp Nuts**, with Tapped Through Holes



**SS** Stainless Steel  
**GN 99.8**  
**Stainless Steel Double Arm Clamp Nuts**, with Tapped Through Holes



**GN 206**  
**Malleable Iron Clamp Nuts**, with Tapped Through Holes



**SS** Stainless Steel  
**GN 206**  
**Stainless Steel Clamp Nuts**, with Tapped Through Holes



**GN 206.1**  
**Malleable Iron Double Arm Clamp Nuts**, with Tapped Through Holes



**SS** Stainless Steel  
**GN 206.1**  
**Stainless Steel Double Arm Clamp Nuts**, with Tapped Through Holes



**DIN 6305**  
**Steel Tommy Nuts**, Tapped Type with Fixed Bar



**DIN 6307**  
**Steel Tommy Nuts**, Tapped Type with Movable Bar



**DIN 6304**  
**Steel Tommy Screws**, Stud Type with Fixed Bar



**GN 6306**  
**Steel Tommy Screws**, Stud Type with Removable Bar



**GN 6305.1**  
**Steel Quick Release Toggle Nuts**



**GN 212**  
**Steel Tension Levers**, with Tapped or Plain Blind Bore



**SS** Stainless Steel  
**GN 212**  
**Stainless Steel Tension Levers**, with Tapped Blind Bore

## Control Levers



**GN 750**  
**Steel Control Levers**, with Through Bore



**LM**  
**Economical Nylon Plastic Control Levers**, with Pilot Bore



**EN 512**  
**Technopolymer Plastic Control Levers**, with Plain Through Bore



 **Color Options**  
**EN 623**  
**Technopolymer Plastic Control Levers**, with Round or Square Through Bore, or Bore with Keyway

Series beginning with the "EN" title represent **elesa** Original Design Products

Control Levers

Continued



SS Stainless Steel  Color Options

**EN 623.5 Technopolymer Plastic Control Levers**, Stainless Steel Hub with Round or Square Through Bore, or Bore with Keyway



**GN 223 Steel Control Levers**, with Round or Square Through Bore, or Bore with Keyway



**GN 211 Steel Control Levers**, with Plain Through Bore



**GN 213 Steel Four Arm Turret Levers**, with Through Bore

2.1



**GN 150 Sintered Steel Split Hubs**, for Gear Lever Handles



SS Stainless Steel  
**GN 150.5 Stainless Steel Split Hubs**, for Gear Lever Handles

For complete technical information, CAD models and online buying, visit [www.jwwinco.com](http://www.jwwinco.com)



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Adjustable Levers with Stainless Steel Components GN 300.1 → Page 42  
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# 2.2 Tensioning, clamping with Knobs

2.2

Star Knobs / Hand Knobs  
Three-Lobe Knobs  
Wing Screws / Nuts  
Knurled Knobs  
Knurled Screws / Nuts



## Star Knobs / Hand Knobs

Five or More Lobes



**DIN 6336**  
**Cast Iron Hand Knobs,**  
Tapped or Blind Bore Type



**DIN 6336**  
**Aluminum Hand Knobs,**  
Blind Bores, Tapped Blind  
or Tapped Thru Bores



**DIN 6336**  
**Cast Iron / Aluminum**  
**Hand Knobs, Blank Type**



**SS** Stainless Steel  
**DIN 6336**  
**Stainless Steel Hand**  
**Knobs, Tapped Thru or**  
**Blind Tapped Type**



**SS** Stainless Steel  
**DIN 6336**  
**Stainless Steel Hand**  
**Knobs, Blank Type**



**GN 6336.4**  
**Cast Iron Hand Knobs,**  
with Steel Threaded Stud



**SS** Stainless Steel  
**GN 6336.5**  
**Aluminum Hand Knobs,**  
with Stainless Steel  
Threaded Stud



**SS** Stainless Steel  
**GN 6336.5**  
**Stainless Steel Hand**  
**Knobs, with Stainless Steel**  
**Threaded Stud**



**SS** Stainless Steel  
**GN 6336.5**  
**Plastic Hand Knobs, with**  
**Stainless Steel Threaded**  
**Stud**



**DIN 6336**  
**Plastic Hand Knobs, with**  
**Steel Tapped Insert or**  
**Tapped Through Bore**



**SS** Stainless Steel  
**DIN 6336**  
**Technopolymer Hand**  
**Knobs, with Stainless Steel**  
**Insert**



**DIN 6336**  
**Plastic Hand Knobs, with**  
**Brass Insert**

Series beginning with the "EN" title represent **elesa** Original Design Products

## 2.2 Tensioning, Clamping with Knobs



**GN 6336.4**  
**Plastic Hand Knobs**, with  
Steel Threaded Stud



**GN 6336.1**  
**Phenolic Plastic Hand**  
**Knobs**, with Protruding  
Steel Hub



**GN 6336.2**  
**Technopolymer Hand**  
**Knobs**, with Protruding  
Steel Hub



**SS** Stainless  
Steel  
**GN 6336.1**  
**Phenolic Plastic Hand**  
**Knobs**, with Protruding  
Stainless Steel Hub



**SS** Stainless  
Steel  
**GN 6336.2**  
**Technopolymer Hand**  
**Knobs**, with Protruding  
Stainless Steel Hub



**GN 6336.4**  
**Plastic Hand Knobs**, with  
Protruding Steel Hub



**SS** Stainless  
Steel  
**GN 6336.10**  
**Nylon Plastic Hand**  
**Knobs**, with Stainless Steel  
Threaded Stud with Brass or  
Nylon Tip



**SS** Stainless  
Steel  
**GN 6336.11**  
**Nylon Plastic Hand Knobs**,  
with Stainless Steel  
Threaded Stud with Ball End



**SS** Stainless  
Steel  
**GN 6336.2**  
**Nylon Plastic Hand Knobs**,  
with Stainless Steel  
Threaded Stud and Toggle  
Thrust Pad



**GN 6336.3**  
**Nylon Plastic Quick**  
**Release Hand Knobs**, With  
Steel Hub



**SS** Stainless  
Steel  
**GN 6336.3**  
**Nylon Plastic Quick**  
**Release Hand Knobs**, With  
Stainless Steel Hub



**GN 6336.13**  
**Nylon Plastic Hand Knobs**  
with Loss Protection,  
Tapped Type



**GN 6336.12**  
**Nylon Plastic Hand Knobs**  
with Loss Protection,  
Threaded Stud Type



**SS** Stainless  
Steel  
**LBX**  
**Nylon Plastic Six Lobed**  
**Knobs**, with Stainless Steel  
Tapped Insert



**SS** Stainless  
Steel  
**LPX**  
**Nylon Plastic Six Lobed**  
**Knobs**, with Stainless Steel  
Threaded Stud



**VBA**  
**Nylon Plastic Eight Lobed**  
**Knobs**, with Tapped Insert



**VBA-FP**  
**Nylon Plastic Eight Lobed**  
**Knobs**, with Tapped  
Through Insert



**VPA**  
**Nylon Plastic Eight Lobed**  
**Knobs**, with Threaded Stud



**FKBH**  
**Polypropylene Plastic**  
**Fluted Hand Knobs**, with  
Through Hole



**FKTH**  
**Polypropylene Plastic**  
**Fluted Hand Knobs**, with  
Through Hole

Series beginning with the "EN" title represent **elesa** Original Design Products

Star Knobs /  
Hand Knobs

Five or More Lobes  
Continued

2.2



**FKZS**  
Polypropylene Plastic  
Fluted Hand Knobs, with  
Threaded Stud



**VB**  
Solid Phenolic Plastic Six  
Lobed Knobs, with Tapped  
Insert



**VB-FP**  
Solid Phenolic Plastic Six  
Lobed Knobs, with Tapped  
Through Hole Insert



**VP**  
Solid Phenolic Plastic Six  
Lobed Knobs, with  
Threaded Stud



**VB-FP-H**  
Phenolic Plastic Hollow  
Six Lobed Knobs, with  
Tapped Through Hole Insert



**VP-H**  
Phenolic Plastic Hollow  
Type Six Lobed Knobs,  
with Threaded Stud



**EN 5332**  
Technopolymer Plastic Six  
Lobed Knobs with  
Extended Hub, with Tapped  
Insert



**EN 5332**  
Technopolymer Plastic Six  
Lobed Knobs with  
Extended Hub, with  
Threaded Stud



 Color  
Options  
**EN 636**  
Technopolymer Plastic  
Ergostyle® Lobed Knobs,  
Tapped Thru or Plain Blind  
Bore Insert



 Color  
Options  
**EN 636.4**  
Technopolymer Plastic  
Ergostyle® Lobed Knobs,  
with Threaded Stud



**EN 5337**  
Solid Phenolic Plastic Five  
Lobed Knobs, with  
Threaded Blind Bore or  
Threaded Through Bore



 Stainless  
Steel  
**EN 5337.5**  
Solid Phenolic Plastic Five  
Lobed Knobs, with  
Stainless Steel Tapped  
Insert



 Stainless  
Steel  
**EN 5337.5**  
Solid Phenolic Plastic Five  
Lobed Knobs, with  
Stainless Steel Threaded  
Stud



**EN 5333**  
Solid Phenolic Plastic Five  
Lobed Knobs, with Square  
Through Hole



**EN 5331**  
Technopolymer Plastic  
Five Lobed Knobs, with  
Square or Tapped Through  
Insert with or without cap



**EN 5337.2**  
Technopolymer Star  
Knobs, Self-Extinguishing,  
Blind Tapped or Plain Blind  
Bore Types



**EN 5337.2**  
Technopolymer Plastic  
Five Lobed Knobs, Blind  
Tapped or Plain Blind Bore  
Types



**EN 5337.2**  
Technopolymer Plastic  
Five Lobed Knobs, Tapped  
Through Insert



**EN 5337.2**  
Technopolymer Plastic  
Five Lobed Knobs, with  
Threaded Stud



 Stainless  
Steel  
**EN 5337.4**  
Solid Technopolymer  
Plastic Five Lobed Knobs,  
with Stainless Steel or Brass  
Insert

Series beginning with the "EN" title represent  Original Design Products

## 2.2 Tensioning, Clamping with Knobs



**SS** Stainless Steel  
**EN 5337.4**  
**Cleanline Solid Technopolymer Five Lobed Knobs**, with Stainless Steel Tapped Insert



**EN 5337.4**  
**Solid Technopolymer Five Lobed Knobs**, Chrome Plated with Brass Tapped Insert



**EN 5337.4**  
**Solid Technopolymer Plastic Five Lobed Knobs**, with Threaded Stud



**EN 5337.6**  
**Technopolymer Plastic Softline Star Knobs**, with Tapped Brass Insert



**EN 5337.6**  
**Technopolymer Plastic Softline Star Knobs**, with Threaded Stud



**EN 5337.8**  
**Technopolymer Plastic Safety Star Knobs with Key**, with Tapped Brass Insert



**EN 5337.8**  
**Plastic Key for Safety Star Knobs**



**EN 5337.9**  
**Technopolymer Plastic Lockable Safety Five Lobed Knobs**, with Tapped Brass Insert



**EN 5337.9**  
**Technopolymer Plastic Lockable Safety Five Lobed Knobs**, with Threaded Stud



**HK**  
**Phenolic Plastic Knurled Five Lobed Husky Knobs**, with Brass Tapped Insert



**FSK**  
**Nylon Plastic Five Lobed Knobs**, with Steel Tapped Through Hole Insert



**GN 5337.3**  
**Technopolymer Plastic Safety Five Lobed Knobs**, with Steel Tapped Insert



**GN 5337.3**  
**Technopolymer Plastic Safety Five Lobed Knobs**, with Steel Threaded Stud



**GN 5337.13**  
**Technopolymer Plastic Lobed Knobs with Loss Protection**, with Steel Tapped Insert



**GN 5337.13**  
**Technopolymer Plastic Five Lobed Knobs with Loss Protection**, with Steel Threaded Stud



**GN 5336**  
**Aluminum Hand Knobs**, Tapped or Blind Bore



**GN 5336**  
**Aluminum Hand Knobs**, Blank Type



**SS** Stainless Steel  
**GN 5334**  
**Stainless Steel Hand Knobs**, Tapped or Blind Bore



**SS** Stainless Steel  
**GN 5334.4**  
**Stainless Steel Hand Knobs**, AISI 316L (A4) Tapped or Blind Bore



**SS** Stainless Steel  
**GN 5334**  
**Stainless Steel Hand Knobs**, Threaded Stud Type

Series beginning with the "EN" title represent **elesa** Original Design Products

Star Knobs / Hand Knobs

Five or More Lobes

Continued



**SS** Stainless Steel  
**GN 5334.4**  
**Stainless Steel Hand Knobs, with Threaded Bolt**  
AISI 316L (A4)



**SS** Stainless Steel  
**GN 5335**  
**Stainless Steel Matte Shot-Blasted Hand Knobs,**  
Tapped or Blind Bore



**SS** Stainless Steel  
**GN 5335**  
**Stainless Steel Highly Polished Finish Hand Knobs,**  
Tapped or Blind Bore



**SS** Stainless Steel  
**GN 5335.4**  
**Stainless Steel Hand Knobs, AISI 316L (A4)**  
Tapped or Blind Bore Type



**SS** Stainless Steel  
**GN 5335**  
**Stainless Steel Matte Shot-Blasted Hand Knobs,**  
Blank Type



**SS** Stainless Steel  
**GN 5335.4**  
**Stainless Steel Hand Knobs AISI 316L (A4),**  
Blank Type



**HD**  
**SS** Stainless Steel  
**GN 5435**  
**Stainless Steel Hand Knobs, Tapped Type,**  
Hygienic Design



**SS** Stainless Steel  
**GN 5335**  
**Stainless Steel Hand Knobs, with Threaded Stud**



**SS** Stainless Steel  
**WN 5335.5**  
**Stainless Steel Quick Release Nine Lobed Hand Knobs**

Star Knobs / Hand Knobs

Four Lobes



**DIN 6335**  
**Aluminum Star Knobs,**  
Tapped, Tapped Through Hole, or Blind Bore



**DIN 6335**  
**Cast Iron Star Knobs, with**  
Tapped, Tapped Through Hole, or Blind Bore



**SS** Stainless Steel  
**DIN 6335**  
**Stainless Steel Star Knobs, Tapped Through or**  
Blind Tapped Type



**DIN 6335**  
**Star Knobs, Blank, Casting**  
Only



**SS** Stainless Steel  
**DIN 6335**  
**Stainless Steel Star Knobs, Blank Type**



**GN 6335.4**  
**Cast Iron Star Knobs, with**  
Steel Threaded Stud



**GN 6335.5**  
**Aluminum Star Knobs, with**  
Stainless Steel Threaded Stud



**SS** Stainless Steel  
**GN 6335.5**  
**Stainless Steel Star Knobs, with Stainless Steel**  
Threaded Stud

Series beginning with the "EN" title represent **elesa** Original Design Products

## 2.2 Tensioning, Clamping with Knobs



**CKS**  
**Aluminum Extruded Four-Prong Clamping Knobs, Tapped, Tapped Through Hole, or Blind Bore**



**CKS**  
**Aluminum Extruded Four-Prong Clamping Knobs, Blank Type**



**CKS**  
**Aluminum Extruded Four-Prong Clamping Knobs, with Threaded Stud**



**CKSQ**  
**Aluminum Quick Release Four-Prong Hand Knobs**



**DIN 6335**  
**Phenolic Plastic Star Knobs, with Tapped Insert**



**DIN 6335**  
**Nylon Plastic Plastic Star Knobs, with Tapped Insert**



**GN 6335.4**  
**Phenolic Plastic Star Knobs, with Steel Threaded Stud**



**SS** Stainless Steel  
**GN 6335.5**  
**Plastic Star Knobs, with Stainless Steel Threaded Stud**



**GN 6335.1**  
**Phenolic Plastic Star Knobs, with Steel Hub, Tapped, or Blind Bore Type**



**GN 6335.2**  
**Nylon Plastic Star Knobs, with Protruding Steel Hub**



**SS** Stainless Steel  
**GN 6335.2**  
**Nylon Plastic Star Knobs, with Protruding Stainless Steel Hub**



**GN 6335.4**  
**Nylon Plastic Star Knobs, with Protruding Steel Hub and Steel Threaded Stud**



**FPK**  
**Phenolic Plastic Four-Prong Knobs, with Tapped Insert**



**FPK**  
**Phenolic Plastic Four-Prong Knobs, with Threaded Stud**



**GN 6335.9**  
**Nylon Plastic Star Knobs, with Thrust Bearing, Tapped Type**

### Three-Lobe Knobs



**EN 5339**  
**Technopolymer Plastic Triangular Knobs, with Brass Tapped Through Insert**



**EN 5339**  
**Technopolymer Plastic Triangular Knobs, Threaded Stud Type**



**EN 5341**  
**Technopolymer Plastic Hand Knobs, with Threaded or Square Through Bore**



**SS** Stainless Steel  
**GN 5339.5**  
**Stainless Steel Triangular Knobs, Threaded Blind Bore Type**

Series beginning with the "EN" title represent **elesa** Original Design Products

Three-Lobe Knobs

Continued

2.2



**SS** Stainless Steel  
**GN 5345**  
**Stainless Steel Three Lobe Knobs**, Blind Tapped, Blind Bore, or Tapped Through



**SS** Stainless Steel  
**GN 5345**  
**Stainless Steel Three Lobe Knobs**, Blank Type



**SS** Stainless Steel  
**GN 5345.4**  
**Stainless Steel Three Lobe Knobs** AISI 316L (A4), Blank Type



**SS** Stainless Steel  
**GN 5345.4**  
**Stainless Steel Three Lobe Knobs** AISI 316L (A4), Blind Tapped, Blind Bore, or Tapped Through



**HD**  
**SS** Stainless Steel  
**GN 5445**  
**Stainless Steel Three Lobe Knobs**, Tapped Type, Hygienic Design



**EN 5330**  
**Technopolymer Plastic Three-Arm Knobs**, Blind Tapped, Tapped Through, or Plain Blind Bore



**SS** Stainless Steel  
**EN 5330.5**  
**Technopolymer Plastic Three-Arm Knobs**, with Tapped Stainless Steel Insert



**EN 5330**  
**Plastic Three-Arm Knobs**, with Threaded Stud



**3P-A**  
**Heavy Duty Phenolic Plastic Three Lobed Knobs**, with Solid Steel Insert



**V3-B**  
**Thermoplastic Three Lobed Knobs**, with Tapped Insert



**V3-B-FP**  
**Thermoplastic Three Lobed Knobs**, with Tapped Through Insert



**V3-B-P**  
**Thermoplastic Three Lobed Knobs**, with Threaded Stud



**3P-B**  
**Phenolic Plastic Three Lobed Knobs**, with Tapped Insert



**3P-P**  
**Phenolic Plastic Three Lobed Knobs**, with Threaded Stud



**TPK**  
**Phenolic Plastic Three Lobed Knobs**, with Tapped Insert



**TPKS**  
**Phenolic Plastic Three Lobed Knobs**, with Threaded Stud

Wing Screws / Nuts



**Color Options**  
**EN 634**  
**Technopolymer Plastic Ergostyle® Wing Nuts**, with Brass Tapped Insert



**EN 634**  
**Plastic Ergostyle® Wing Nuts**, with Tapped Through Insert without Cap



**SS** Stainless Steel **Color Options**  
**EN 634.1**  
**Technopolymer Plastic Ergostyle® Wing Nuts**, with Stainless Steel Tapped Insert



**SS** Stainless Steel **Color Options**  
**EN 634.1**  
**Technopolymer Plastic Ergostyle® Wing Nuts**, with Stainless Steel Tapped Through Insert without Cap

Series beginning with the "EN" title represent **elesa** Original Design Products

## 2.2 Tensioning, Clamping with Knobs



Series beginning with the "EN" title represent  Original Design Products

Wing Screws / Nuts

Continued



**WK**  
**Nylon Plastic Wing Nuts,**  
Tapped Insert Type



**SLTSK**  
**Plastic Shear-Loc Thumb**  
**Screw Knobs, Press-On**  
Type



**SS** Stainless Steel  
**GN 834**  
**Stainless Steel Wing**  
**Nuts, Tapped and Tapped**  
Through Versions



**SS** Stainless Steel  
**GN 835**  
**Stainless Steel Wing**  
**Screws, Threaded Stud**  
Type



**SS** Stainless Steel  
**GN 434**  
**Stainless Steel Wing Nuts,**  
Tapped Type



**SS** Stainless Steel  
**GN 433**  
**Stainless Steel Wing**  
**Screws, Threaded Stud**  
Type



**SS** Stainless Steel  
**GN 432**  
**Stainless Steel Wing Nuts,**  
Tapped Type



**SS** Stainless Steel  
**GN 431**  
**Stainless Steel Wing**  
**Screws, Threaded Stud**  
Type

2.2

Knurled Knobs



**EN 534**  
**Technopolymer Plastic**  
**Diamond Cut Knurled**  
**Knobs, Tapped or Plain**  
Blind Bore Insert



**EN 534**  
**Technopolymer Plastic**  
**Diamond Cut Knurled**  
**Knobs, with Steel Threaded**  
Stud



**EN 4534**  
**Technopolymer Plastic**  
**Softline Knurled Knobs,**  
with Tapped Insert



**EN 4535**  
**Technopolymer Plastic**  
**Softline Knurled Knobs,**  
with Steel Threaded Stud



**SS** Stainless Steel  
**GN 7336**  
**Glass Fiber Reinforced**  
**Plastic Hollow Knurled**  
**Knobs, with Steel or**  
Stainless Steel Tapped  
Insert



**SS** Stainless Steel  
**GN 7336**  
**Glass Fiber Reinforced**  
**Plastic Hollow Knurled**  
**Knobs, with Steel or**  
Stainless Steel Threaded  
Stud



**GN 7336.5**  
**Glass Fiber Reinforced**  
**Plastic Hollow Knurled**  
**Knobs, with Steel Threaded**  
Stud with Brass, Plastic, or  
Spherical Tip



**GN 3663**  
**Aluminum Torque Limiting**  
**Knurled Knobs, with Steel**  
Tapped Insert



**GN 3663**  
**Aluminum Torque Limiting**  
**Knurled Knobs, with Steel**  
Threaded Stud

Series beginning with the "EN" title represent **elesa** Original Design Products

## 2.2 Tensioning, Clamping with Knobs

### Knurled Screws / Nuts



**SS** Stainless Steel  
**EN 530.1**  
**Phenolic Plastic Cleanline Knurled Nuts**, with Stainless Steel Tapped insert



**EN 530**  
**Phenolic Plastic Knurled Nuts**, with Brass Tapped Insert



**SS** Stainless Steel  
**EN 530.5**  
**Phenolic Plastic Knurled Nuts**, with Stainless Steel Tapped Insert



**EN 529**  
**Plastic Knurled Screws**, With Steel Threaded Stud



**SS** Stainless Steel  
**EN 529.5**  
**Phenolic Plastic Knurled Screws**, with Stainless Steel Threaded Stud



**VBZ**  
**Phenolic Plastic Knurled Rim Knobs**, with Steel Tapped Insert



**VPZ**  
**Phenolic Plastic Knurled Knobs**, with Zinc Plated Steel Threaded Stud



**VBZ-FP**  
**Phenolic Plastic Knurled Rim Knobs**, with Tapped Through Hole



**KKBH**  
**Polypropylene Plastic Knurled Knobs**, with Tapped Insert



**ZP**  
**Nylon Plastic Knurled Knobs**, with Steel Threaded Stud



**SS** Stainless Steel  
**ZPX**  
**Nylon Plastic Knurled Knobs**, with Stainless Steel Threaded Stud



**ZB**  
**Nylon Plastic Knurled Knobs**, with Tapped or Blind Bore



**ZB-FP**  
**Nylon Plastic Knurled Knobs**, with Tapped Through Insert



**EN 590**  
**Technopolymer Plastic Fluted Grip Knobs**, with Blind Tapped or Tapped Through Insert



**EN 590**  
**Technopolymer Plastic Antistatic Fluted Grip Knobs**, with Blind Tapped or Tapped Through Insert



**EN 591**  
**Technopolymer Plastic Fluted Grip Knobs**, with Threaded Stud



**EN 591**  
**Technopolymer Plastic Antistatic Fluted Grip Knobs**, with Threaded Stud



**SS** Stainless Steel  
**EN 590.5**  
**Technopolymer Plastic Knurled Nuts**, with Stainless Steel Tapped Insert



**SS** Stainless Steel  
**EN 591.5**  
**Technopolymer Plastic Fluted Grip Knobs**, with Stainless Steel Threaded Stud



**GN 420**  
**Nylon Plastic Hollow Knurled Knobs**, with Steel Tapped Through Insert

Series beginning with the "EN" title represent **elesa** Original Design Products

Knurled  
Screws / Nuts

Continued



**SS** Stainless Steel  
**GN 420**  
**Nylon Plastic Hollow Knurled Nuts**, with Stainless Steel Tapped Through Insert



**GN 421**  
**Nylon Plastic Hollow Knurled Knobs**, with Zinc Plated Steel Threaded Stud



**SS** Stainless Steel  
**GN 421**  
**Nylon Plastic Hollow Knurled Knobs**, with Stainless Steel Threaded Stud



**SS** Stainless Steel  
**GN 421.10**  
**Technopolymer Plastic Hollow Knurled Knobs**, with Stainless Steel Threaded Stud and Brass or Nylon Plastic Tip



**SS** Stainless Steel  
**GN 421.11**  
**Technopolymer Plastic Hollow Knurled Knobs**, with Stainless Steel Threaded Stud and Ball End



**SS** Stainless Steel  
**GN 421.12**  
**Technopolymer Plastic Hollow Knurled Knobs**, with Stainless Steel Threaded Stud, with Ball End and Swivel Thrust Pad



**VEG**  
**Textured Nylon Plastic Ergonomic Hand Knobs**, with Tapped Insert



**VEGS**  
**Textured Nylon Plastic Ergonomic Hand Knobs**, with Threaded Stud



**SS** Stainless Steel  
**GN 536**  
**Stainless Steel Knurled Nuts**, Tapped Type



**SS** Stainless Steel  
**GN 535**  
**Stainless Steel Knurled Screws**, with Threaded Stud



**SS** Stainless Steel  
**KRSK**  
**Steel or Stainless Steel Knurled Knobs**, with Tapped or Blind Bore



**SS** Stainless Steel  
**KRSK**  
**Steel or Stainless Steel Knurled Knobs**, with Threaded Stud



**SS** Stainless Steel  
**KRSK**  
**Steel or Stainless Steel Knurled Knobs**, with Tapped Through Hole



**DIN 6303**  
**Steel Knurled Nuts**, with Tapped Through Hole or Plain Through Hole



**SS** Stainless Steel  
**DIN 6303**  
**Stainless Steel Knurled Nuts**, with Tapped Through Hole



**DIN 466**  
**Steel Knurled Nuts**, with Tapped Through Hole



**SS** Stainless Steel  
**DIN 466**  
**Stainless Steel Knurled Nuts**, with Tapped Through Hole



**DIN 464**  
**Steel Knurled Thumb Screws**, Threaded Stud Type



**SS** Stainless Steel  
**DIN 464**  
**Stainless Steel Knurled Thumb Screws**, Threaded Stud Type



**DIN 467**  
**Steel Flat Knurled Nuts**, with Tapped Through Holes



**SS** Stainless Steel  
**DIN 467**  
**Stainless Steel Flat Knurled Nuts**, with Tapped Through Holes



**DIN 653**  
**Steel Flat Knurled Thumb Screws**



**SS** Stainless Steel  
**DIN 653**  
**Stainless Steel Flat Knurled Thumb Screws**



**SS** Stainless Steel  
**GN 653.10**  
**Stainless Steel Flat Knurled Screws**, with Brass or Nylon Plastic Tip



**GN 653.10**  
**Steel Flat Knurled Thumb Screws**, with Brass or Nylon Plastic Tip



**GN 653.2**  
**Steel Knurled Screws**, with Recessed Stud for Loss Prevention



**SS** Stainless Steel  
**GN 653.2**  
**Stainless Steel Knurled Screws**, with Recessed Stud for Loss Protection



**GN 6303.1**  
**Steel Quick Release Knurled Nuts**



**SS** Stainless Steel  
**KHS**  
**Steel and Stainless Steel Knurled Thumb Screws**



**DPHS**  
**Steel Knurled Thumb Screws**, with Dog Point



**SLCKA**  
**Shear-Loc Knob Assortment Kit**

For complete technical information, CAD models and online buying, visit [www.jwwinco.com](http://www.jwwinco.com)

# 2.3 Tensioning with Eccentric Cams and Wedge Clamps



2.3

Clamping Levers with Eccentric Cam  
Cam Point Levers  
Wedge Clamps  
Centering Bore Clamps

## Clamping Levers with Eccentric Cam

 <p> Color Options</p> <p><b>GN 927</b> <b>Zinc Die Cast Clamping Levers with Eccentric Cam, Tapped Type with Steel Components</b></p>	 <p> Color Options</p> <p><b>GN 927</b> <b>Zinc Die Cast Clamping Levers with Eccentric Cam, Threaded Stud Type with Steel Components</b></p>	 <p><b>GN 927.3</b> <b>Steel Clamping Levers with Eccentric Cam, Tapped Type with Steel Components</b></p>	 <p><b>GN 927.3</b> <b>Steel Clamping Levers with Eccentric Cam, Threaded Stud Type with Steel Components</b></p>
 <p> Stainless Steel  Color Options</p> <p><b>GN 927.4</b> <b>Zinc Die Cast Clamping Levers with Eccentric Cam, Tapped Type with Stainless Steel Components</b></p>	 <p> Stainless Steel  Color Options</p> <p><b>GN 927.4</b> <b>Zinc Die Cast Clamping Levers with Eccentric Cam, Threaded Stud Type with Stainless Steel Components</b></p>	 <p> Stainless Steel</p> <p><b>GN 927.5</b> <b>Stainless Steel Clamping Levers with Eccentric Cam, Tapped Type with Plastic Contact Plate</b></p>	 <p> Stainless Steel</p> <p><b>GN 927.5</b> <b>Stainless Steel Clamping Levers with Eccentric Cam, Threaded Stud Type with Plastic Contact Plate</b></p>
 <p> Stainless Steel</p> <p><b>GN 927.7</b> <b>Stainless Steel Clamping Levers with Eccentric Cam, Tapped Type with Stainless Steel Contact Plate</b></p>	 <p> Stainless Steel</p> <p><b>GN 927.7</b> <b>Stainless Steel Clamping Levers with Eccentric Cam, Threaded Stud Type with Stainless Steel Contact Plate</b></p>	 <p><b>EN 926</b> <b>Plastic Clamping Levers with Eccentric Cam, Tapped Type with Steel Components</b></p>	 <p><b>EN 926</b> <b>Plastic Clamping Levers with Eccentric Cam, Threaded Stud Type with Steel Components</b></p>

Series beginning with the "EN" title represent  Original Design Products

## 2.3 Tensioning with Eccentric Cams and Wedge Clamps



**SS** Stainless Steel  
**EN 926.1**  
**Plastic Clamping Levers with Eccentric Cam,**  
 Tapped Type with Stainless Steel Components



**SS** Stainless Steel  
**EN 926.1**  
**Plastic Clamping Levers with Eccentric Cam,**  
 Threaded Stud Type with Stainless Steel Components

### Cam Point Levers



**GN 918**  
**Steel Eccentric Cam Units,** Ball Lever or Hexagon Type



**SS** Stainless Steel  
**GN 918.5**  
**Stainless Steel Eccentric Cam Units,** Ball Lever or Hexagon Type



**GN 918.1**  
**Steel Bottom Clamping Cam Units,** Ball Lever or Hexagon Type



**SS** Stainless Steel  
**GN 918.6**  
**Stainless Steel Bottom Clamping Cam Units,** Ball Lever or Hexagon Type



**GN 918.2**  
**Steel Top Clamping Cam Units,** Ball Lever or Hexagon Type



**SS** Stainless Steel  
**GN 918.7**  
**Stainless Steel Top Clamping Cam Units,** Ball Lever or Hexagon Type



**GN 418.2**  
**Steel Cam Point Screws**



**GN 919**  
**Steel Hubs with Eccentric Cam**



**GN 917**  
**Steel Double Cam Levers**



**SS** Stainless Steel  
**GN 917.1**  
**Stainless Steel Double Cam Levers**

### Wedge Clamps



**GN 920.1**  
**Steel Wedge Clamps**



**GN 920.2**  
**Steel Pull-Down Plates, for**  
 GN 920.1 Wedge Clamps



**GN 928**  
**Steel Shaft Clamping Units, for**  
 Round Shafts or Tubes



**GN 928.1**  
**Assembly tool for GN 928**  
**Shaft Clamping Units**

Series beginning with the "EN" title represent **elesa** Original Design Products

Wedge Clamps

Continued



NO. 6430  
**Atlas Screw Jacks, with  
Jam Nut**



DIN 6314  
**Plain Clamps**



NO. 6314 V  
**Adjustable Plain Clamps  
with Adjusting Screw, with  
or without T-Slot Bolt**



NO. 6314 Z  
**Step Clamps**



DIN 6315B  
**Forked Clamps Tapered**



DIN 6315C  
**Forked Clamps, with Pin  
End**



NO. 6315 GN  
**Steel Forked Clamps, with  
Shoe End**



DIN 6316  
**Goose Neck Clamps**



NO. 6316 V  
**Steel Adjustable Goose  
Neck Clamps with  
Adjusting Screw, with or  
without T-Slot Bolt**



NO. 6317  
**Steel Double Ended Goose  
Neck Clamps**



NO. 6312 VI  
**Crocodile Clamps, with  
Adjustable Holders and  
Stud Bolt**

Centering Bore  
Clamps



GN 411.2  
**Steel Centering Bore  
Clamps**

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## 2.4 Tensioning with Clamping Mechanisms

Toggle Clamps  
Accessories  
Pneumatically Operated Clamps  
Hook Clamps

2.4

### Toggle Clamps



**GN 810**  
**Steel Vertical Acting Toggle Clamps, with Horizontal Mounting Base**



**SS** Stainless Steel  
**GN 810**  
**Stainless Steel Vertical Acting Toggle Clamps, with Horizontal Mounting Base**



**13005**  
**Vertical Acting Toggle Clamps, with Horizontal Mounting Base**



**10247**  
**Vertical Acting Toggle Clamps, with Horizontal Mounting Base**



**101-A**  
**Vertical Acting Toggle Clamps, with Horizontal Mounting Base**



**12050**  
**Vertical Acting Toggle Clamps, with Horizontal Mounting Base**



**12130**  
**Vertical Acting Toggle Clamps, with Horizontal Mounting Base**



**12265**  
**Vertical Acting Toggle Clamps, with Horizontal Mounting Base**



**101-J**  
**Vertical Acting Toggle Clamps, with Horizontal Mounting Base**



**6800-S**  
**Steel Vertical Acting Toggle Clamps, with Safety Interlock and Horizontal Mounting Base**



**SS** Stainless Steel  
**6800**  
**Stainless Steel Vertical Acting Toggle Clamps, with Horizontal Mounting Base**



**GN 810.1**  
**Steel Vertical Acting Toggle Clamps, with Vertical Mounting Base**

## 2.4 Tensioning with Clamping Mechanisms



**SS** Stainless Steel  
**GN 810.1**  
**Stainless Steel Vertical Acting Toggle Clamps,** with Vertical Mounting Base



**GN 910**  
**Steel Heavy Duty Vertical Acting Toggle Clamps,** with Horizontal Mounting Base



**GN 910.1**  
**Steel Heavy Duty Vertical Acting Toggle Clamps,** with Vertical Mounting Base



**GN 910.2**  
**Steel Heavy Duty Knee Lever Modules,** with Horizontal or Vertical Mounting Base



**GN 910.3**  
**Steel Heavy Duty Knee Lever Modules,** for Welding



**GN 910.5**  
**Plastic Handles for Knee Lever Modules,** Accessories for Knee Lever Modules



**GN 910.6**  
**Steel Arm Levers for Knee Lever Modules,** Accessories for Knee Lever Modules



**GN 910.7**  
**Steel Clamping Arm Extenders for Knee Lever Modules,** Accessories for Knee Lever Modules



**GN 910.8**  
**Steel Bushings for Knee Lever Modules,** Accessories for Knee Lever Modules



**GN 910.9**  
**Steel Base Plates for Knee Lever Modules,** Accessories for Knee Lever Modules



**GN 812**  
**Steel Vertical Acting Toggle Clamps,** with Dual Flanged Mounting Base



**GN 812.1**  
**Steel Vertical Acting Toggle Clamps,** with Dual Flanged Base



**101-B**  
**Vertical Acting Toggle Clamps,** with Vertical Mounting Base



**6803-S**  
**Steel Vertical Acting Toggle Clamps,** with Safety Interlock and Angled Mounting Base



**GN 813**  
**Steel Heavy Duty Vertical Acting Toggle Clamps,** with Weldable Vertical Mounting Base



**GN 820**  
**Steel Horizontal Acting Toggle Clamps,** with Horizontal Mounting Base



**SS** Stainless Steel  
**GN 820**  
**Stainless Steel Horizontal Acting Toggle Clamps,** with Horizontal Mounting Base



**SS** Stainless Steel  
**6830**  
**Stainless Steel Horizontal Acting Toggle Clamps,** with Horizontal Mounting Base



**GN 820.1**  
**Steel Horizontal Acting Toggle Clamps,** with Vertical Mounting Base



**SS** Stainless Steel  
**GN 820.1**  
**Stainless Steel Horizontal Acting Toggle Clamps,** with Vertical Mounting Base

Toggle Clamps

Continued



**GN 820.2**  
**Steel Horizontal Acting Toggle Clamps, with Vertical Mounting Base**



**SS** Stainless Steel  
**GN 820.2**  
**Stainless Steel Horizontal Acting Toggle Clamps, with Vertical Mounting Base**



**GN 820.3**  
**Steel Horizontal Acting Toggle Clamps, with Safety Hook Latch and Horizontal Mounting Base**



**SS** Stainless Steel  
**GN 820.3**  
**Stainless Steel Horizontal Acting Toggle Clamps, with Safety Hook Latch and Horizontal Mounting Base**



**6830-S**  
**Steel Horizontal Acting Toggle Clamps, with Safety Interlock and Horizontal Mounting Base**



**GN 820.4**  
**Steel Horizontal Acting Toggle Clamps, with Safety Hook Latch and Vertical Mounting Base**



**SS** Stainless Steel  
**GN 820.4**  
**Stainless Steel Horizontal Acting Toggle Clamps, with Safety Hook Latch and Vertical Mounting Base**



**201**  
**Horizontal Acting Toggle Clamps, with Horizontal Mounting Base**



**201-B**  
**Horizontal Acting Toggle Clamps, with Horizontal Mounting Base**



**22100**  
**Horizontal Acting Toggle Clamps, with Horizontal Mounting Base**



**204-G**  
**Horizontal Acting Toggle Clamps, with Horizontal Mounting Base**



**225-D**  
**Horizontal Acting Toggle Clamps, with Horizontal Mounting Base**



**20235**  
**Horizontal Acting Toggle Clamps, with Horizontal Mounting Base**



**202-F**  
**Horizontal Acting Toggle Clamps, with Vertical Mounting Base**



**20820**  
**Horizontal Acting Toggle Clamps, with Dual Flange Mounting Base**



**GN 840**  
**Steel Push-Pull Type Toggle Clamps**



**GN 844**  
**Brass or Steel Heavy Duty Push-Pull Type Toggle Clamps**



**GN 841**  
**Steel Push-Pull Type Toggle Clamps**



**GN 842**  
**Steel Heavy Duty Push-Pull Type Toggle Clamps**



**GN 843.1**  
**Steel Push-Pull Type Toggle Clamps, with Mounting Base**

## 2.4 Tensioning with Clamping Mechanisms



**SS** Stainless Steel  
**GN 843.1**  
**Stainless Steel Push-Pull Type Toggle Clamps, with Mounting Bracket**



**SS** Stainless Steel  
**6841**  
**Stainless Steel Push-Pull Type Toggle Clamps, with Mounting Bracket**



**301-A / 302-B**  
**Cam Action Toggle Clamps, with Horizontal Mounting Base**



**302-F**  
**Inch Size Push-Pull Toggle Clamps, with Horizontal Mounting Base**



**36092**  
**Push-Pull Toggle Clamps, with Horizontal Mounting Base**



**36003**  
**Push-Pull Toggle Clamps, with Horizontal Mounting Base**



**36010 / 36012**  
**Push-Pull Toggle Clamps, with Horizontal Mounting Base**



**30670**  
**Push-Pull Toggle Clamps, with Horizontal Mounting Base**



**36202**  
**Push-Pull Toggle Clamps**



**36070**  
**Reverse Action Push-Pull Toggle Clamps, with Horizontal Mounting Base**



**302-D / 30282**  
**Reverse Action Push-Pull Toggle Clamps, with Horizontal Mounting Base**



**36330**  
**Push-Pull Toggle Clamps**



**304 / 305**  
**Push-Pull Toggle Clamps**



**GN 850**  
**Steel Hook Type Toggle Clamps, with Horizontal Mounting Base**



**GN 851**  
**Steel Horizontal Latch Type Toggle Clamps, with Horizontal Mounting Base**



**SS** Stainless Steel  
**GN 851**  
**Stainless Steel Horizontal Latch Type Toggle Clamps**



**SS** Stainless Steel  
**6848-H**  
**Stainless Steel Horizontal Acting Latch Type Toggle Clamps, with Horizontal Mounting Base**



**GN 851.3**  
**Steel Horizontal Latch Type Toggle Clamps, with Safety Hook and Pulling Action**



**SS** Stainless Steel  
**GN 851.3**  
**Stainless Steel Horizontal Latch Type Toggle Clamps, with Safety Hook and Pulling Action**



**GN 851.1**  
**Steel Vertical Latch Type Toggle Clamps, Horizontal Mounting Base with Vertical Clamping Arm**

Toggle Clamps

Continued



**SS** Stainless Steel  
**GN 851.1**  
**Stainless Steel Vertical Latch Type Toggle Clamps**, Horizontal Mounting Base with Vertical Clamping Arm



**GN 851.2**  
**Steel Latch Type Toggle Clamps**, Vertical Support Base with Horizontal Clamping Arm



**GN 852**  
**Steel Latch Type Toggle Clamps**, Heavy Duty



**SS** Stainless Steel  
**GN 852**  
**Stainless Steel Latch Type Toggle Clamps**, Heavy Duty



**GN 852.3**  
**Steel Latch Type Toggle Clamps**, Heavy Duty with Safety Hook



**SS** Stainless Steel  
**GN 852.3**  
**Stainless Steel Latch Type Toggle Clamps**, Heavy Duty with Safety Hook



**GN 852.1**  
**Vertical Hook Type Toggle Clamps**, Heavy Duty



**40324**  
**Steel Latch Type Toggle Clamps**, with Horizontal Mounting Base with Vertical Clamping Arm



**GN 951.1**  
**Steel Square U-Bolts**, for GN 851 / GN 851.1 / GN 851.2 / GN 851.3 Latch Type Toggle Clamps



**SS** Stainless Steel  
**GN 951.1**  
**Stainless Steel Pulling Latch**, for GN 851 / GN 851.1 / GN 851.2 / GN 851.3 Latch Type Toggle Clamps



**GN 951.2**  
**Steel Square U-Bolts**, for GN 852 / GN 852.1 / GN 852.3 Latch Type Toggle Clamps



**SS** Stainless Steel  
**GN 951.2**  
**Stainless Steel Square U-Bolts**, for GN 852 / GN 852.1 / GN 852.3 Latch Type Toggle Clamps



**GN 853**  
**Steel Latch Type Toggle Clamps**, with Locking Mechanism



**SS** Stainless Steel  
**GN 853**  
**Stainless Steel Latch Type Toggle Clamps**, with Locking Mechanism



**GN 854**  
**Steel Latch Type Toggle Clamps**, with Bore for Handle or with Fixed Clamping Arm



**GN 855**  
**Steel C-Clamps**



**80325**  
**Cam Action Toggle Clamps**



**GN 50350 / 50360 / 50380 / 50405**  
**Toggle Pliers**



**GN 858**  
**Steel Latch Type Toggle Clamps**, with Locking Mechanism



**40370**  
**Steel Latch Type Toggle Clamps**, with Horizontal Mounting Base

2.4

## 2.4 Tensioning with Clamping Mechanisms



**40380**  
**Steel Latch Type Toggle Clamps**, with Horizontal Mounting Base



**431**  
**Steel Latch Type Toggle Clamps**, with Horizontal Mounting Base



**451**  
**Steel Hook Type Toggle Clamps**, with Horizontal Mounting Base



**43101**  
**Steel Hook Type Toggle Clamps**, with Horizontal Mounting Base

### Accessories



**GN 804**  
**Steel Toggle Clamp Spindle Assemblies**, with Adjustable Spring Loaded Thrust Pad



**GN 807**  
**Steel Toggle Clamps Spindle Assemblies**, with or without Push-On Protective Cap



**SS** Stainless Steel  
**GN 807**  
**Stainless Steel Toggle Clamp Spindle Assemblies**, with or without Protective Neoprene Cap



**GN 708.1**  
**Steel Toggle Clamp Spindle Assemblies**, with Protective Neoprene Cap



**SS** Stainless Steel  
**GN 708.1**  
**Stainless Steel Toggle Clamp Spindle Assemblies**, with Protective Neoprene Cap



**JW 708**  
**Steel Toggle Clamp Assemblies**, with Neoprene Pad



**GN 802**  
**Steel Toggle Clamp Spindle Assemblies**, with Swivel Thrust Pad



**GN 903**  
**Steel Toggle Clamp Spindle Assemblies**, with Swivel Thrust Pad



**SS** Stainless Steel  
**GN 903**  
**Stainless Steel Toggle Clamp Assemblies**, with Swivel Thrust Pad



**GN 801**  
**Steel Clamp Mounts**, for Toggle Clamps with Forked Clamping Arm



**GN 809**  
**Steel Clamp Mounts**, for Toggle Clamps with Solid Clamping Arm

### Pneumatically Operated Clamps



**GN 860**  
**Steel Pneumatic Toggle Clamps**, with Horizontal Mounting Base



**GN 860**  
**Steel Pneumatic Toggle Clamps**, with Horizontal Mounting Base and Magnetic Piston



**GN 861**  
**Steel Heavy Duty Pneumatic Toggle Clamps**, with Horizontal Mounting Base and Magnetic Piston



**GN 862**  
**Steel Pneumatic Toggle Clamps**, with Vertical Mounting Base

Pneumatically Operated Clamps

Continued



**GN 862**  
**Steel Pneumatically Operated Clamps**, with Vertical Mounting Base and Magnetic Piston



**GN 862.1**  
**Steel Pneumatic Toggle Clamps**, with Additional Manual Operation and Magnetic Piston



**GN 862.1**  
**Steel Pneumatic Toggle Clamps**, with Vertical Mounting Base and Additional Manual Operation



**GN 863**  
**Steel Heavy Duty Pneumatic Lock-Down Toggle Clamp**, with Vertical Mounting Base and Magnetic Piston



**GN 890**  
**Steel Pneumatic Push-Pull Toggle Clamps**, with Horizontal Mounting Base and Magnetic Piston



**GN 890**  
**Steel Pneumatic Push-Pull Toggle Clamps**, with Horizontal Mounting Base, without Magnetic Piston



**GN 896.1**  
**Proximity Switches with Mounting Bracket**, for Pneumatic Toggle Clamps



**GN 896.2**  
**Proximity Switches with Mounting Bracket**, for Pneumatic Toggle Clamps



**GN 896.3**  
**Proximity Switches**, for Heavy Duty Pneumatic Toggle Clamps



**GN 864**  
**Pneumatic Fastening Clamps**



**GN 865**  
**Pneumatic Fastening Clamps**



**GN 866**  
**Pneumatic Fastening Clamps**, for Centered Clamping



**GN 867**  
**Single Post Coupling / Y-Coupling Accessories**, for Pneumatic Fastening Clamps



**GN 867.1**  
**Single Post Bracket / Bracket Accessories**, for Pneumatic Fastening Clamps



**GN 868**  
**Steel T-Coupling / Double Post Coupling Accessories**, for Pneumatic Fastening Clamps GN 864 / GN 865 / GN 866



**GN 868.1**  
**Bracket / Double Post Bracket Accessories**, for Pneumatic Fastening Clamps



**GN 869.1**  
**Steel Single Post Bracket / Y-Bracket Accessories**, for Clamping Bolts for Pneumatic Clamps GN 865



**GN 869.2**  
**Steel T-Bracket / Double Post Bracket Accessories**, for Clamping Bolts for Pneumatic Clamps GN 865



**GN 872**  
**Jaw Block Accessories**, for Pneumatic Fastening Clamps



**GN 871**  
**Steel Shim Kit Accessories**

2.4

## 2.4 Tensioning with Clamping Mechanisms



**GN 873**  
Clamp Mounting Bracket  
Accessories for Pneumatic  
Fastening Clamps



**GN 870**  
Steel Centering Guide  
Bushing Accessories for  
Pneumatic Fastening  
Clamps



**GN 893.1**  
Proximity Switch for  
Pneumatic Fastening  
Clamps Size 20, Inductive  
Sensor



**GN 893.2**  
Proximity Switch for  
Pneumatic Fastening  
Clamps Size 32, Inductive  
Sensor



**GN 893.3**  
Proximity Switch for  
Pneumatic Fastening  
Clamps Size 40, Inductive  
Sensor



**GN 893.4**  
Proximity Switch for  
Pneumatic Fastening  
Clamps Size 50, Inductive  
Sensor

## Hook Clamps



**GN 8330**  
Steel Hook Clamps



**SS** Stainless  
Steel  
**GN 8330**  
Stainless Steel Hook  
Clamps



**GN 821**  
Steel Toggle Latches, with  
Adjustable Grip



**SS** Stainless  
Steel  
**GN 831**  
Steel / Stainless Steel  
Toggle Latches, with  
Adjustable Grip



**SS** Stainless  
Steel  
**GN 831.1**  
Steel / Stainless Steel  
Toggle Latches, without  
Safety Catch



**SS** Stainless  
Steel  
**GN 831.2**  
Steel / Stainless Steel  
Toggle Latches, with  
Safety Catch and Adjustable  
Grip



**SS** Stainless  
Steel  
**GN 832**  
Steel / Stainless Steel  
Toggle Latches, with Catch



**SS** Stainless  
Steel  
**GN 832.1**  
Steel / Stainless Steel  
Toggle Latches, with Catch



**SS** Stainless  
Steel  
**GN 832.2**  
Steel / Stainless Steel  
Toggle Latches, with Catch



**SS** Stainless  
Steel  
**GN 832.3**  
Steel / Stainless Steel  
Toggle Latches, with Catch



**SS** Stainless  
Steel  
**GN 832.4**  
Steel / Stainless Steel  
Toggle Latches, with Catch



**SS** Stainless  
Steel  
**GN 833**  
Steel / Stainless Steel  
Toggle Hook Latches

# 3.1 Indexing, Locking, Blocking with Pins and Ball-Shaped Elements

Indexing Plungers  
Cam Action Indexing Plungers  
Spring Plungers  
Rapid Release Pins



## 3.1 Indexing Plungers



**GN 617**  
**Steel / Plastic Knob Indexing Plunger, Non Lock-Out**



**SS** Stainless Steel  
**GN 617**  
**Stainless Steel / Plastic Knob Indexing Plungers, Non Lock-Out**



**SS** Stainless Steel  
**GN 617**  
**Stainless Steel / Stainless Steel Knob Indexing Plungers, Non Lock-Out**



**GN 617.1**  
**Steel / Plastic Knob Indexing Plungers, Lock-Out**



**SS** Stainless Steel  
**GN 617.1**  
**Stainless Steel / Plastic Knob Indexing Plungers, Lock-Out**



**SS** Stainless Steel  
**GN 617.1**  
**Stainless Steel / Stainless Steel Knob Indexing Plungers, Lock-Out**



**GN 613**  
**Steel / Plastic Knob Indexing Plungers, Lock-Out with Fully Threaded Body**



**SS** Stainless Steel  
**GN 613**  
**Stainless Steel / Plastic Knob Indexing Plungers, Non Lock-Out with Fully Threaded Body**



**SS** Stainless Steel  
**GN 613**  
**Stainless Steel / Stainless Steel Knob Indexing Plungers, Non Lock-Out with Fully Threaded Body**



**GN 613.1**  
**Mounting Tool, for GN 613**



**LRSP**  
**Steel Hand Retractable Spring Plungers, Lock-Out with Knurled Handle**



**SS** Stainless Steel  
**LRSS**  
**Stainless Steel Hand Retractable Spring Plungers, Lock-Out with Knurled Handle**

### 3.1 Indexing, Locking, Blocking with Pins and Ball-Shaped Elements



**HRSP**  
**Steel Hand Retractable Spring Plungers**, Non Lock-Out with Knurled Handle



**SS** Stainless Steel  
**HRSS**  
**Stainless Steel Hand Retractable Spring Plungers**, Non Lock-Out with Knurled Knobs



**GN 618**  
**Steel Indexing Plungers**, Plain Unthreaded Weldable Body



**EN 617.2**  
**Plastic Indexing Plungers**, Steel Pin, Black Knob, Lock-Out and Non Lock-Out



**EN 617.2**  
**Plastic Indexing Plungers**, Steel Pin, Red Knob, Lock-Out and Non Lock-Out



**SS** Stainless Steel  
**EN 617.2**  
**Plastic Indexing Plungers**, Stainless Steel Pin, Black Knob, Lock-Out and Non Lock-Out



**SS** Stainless Steel  
**EN 617.2**  
**Plastic Indexing Plungers**, Stainless Steel Pin, Red Knob, Lock-Out and Non Lock-Out



**GN 817**  
**Steel Indexing Plungers**, Lock-Out or Non Lock-Out with Multiple Pin Lengths



**GN 817**  
**Steel Indexing Plungers**, Lock-Out or Non Lock-Out with Multiple Pin Lengths, Red Knob



**SS** Stainless Steel  
**GN 817**  
**Stainless Steel Indexing Plungers**, Lock-Out or Non Lock-Out with Multiple Pin Lengths



**SS** Stainless Steel  
**GN 817**  
**Stainless Steel Indexing Plungers**, Lock-Out or Non Lock-Out with Multiple Pin Lengths, Red Knob



**GN 817.8**  
**Steel Indexing Plungers**, Lock-Out or Non Lock-Out with Removable Pin



**SS** Stainless Steel  
**GN 817.8**  
**Stainless Steel Indexing Plungers**, Lock-Out or Non Lock-Out with Removable Pin



**GN 817.2**  
**Steel Indexing Plungers**, Lock-Out or Non Lock-Out with Long Plastic Knob



**SS** Stainless Steel  
**GN 817.2**  
**Stainless Steel Indexing Plungers**, Lock-Out or Non Lock-Out with Long Plastic Knob



**GN 817.4**  
**Steel Indexing Plungers**, Lock-Out and Non Lock-Out with T-Handle Knob



**SS** Stainless Steel  
**GN 817.4**  
**Stainless Steel Indexing Plungers**, Lock-Out and Non Lock-Out with T-Handle Knob



**GN 817.1**  
**Steel Indexing Plungers**, Lock-Out or Non Lock-Out with Plate Mount



**GN 817.1**  
**Steel Indexing Plungers**, Red plastic Knob, Lock-out or non Lock-Out, with Plate Mount



**GN 817.9**  
**Steel / Plastic Knob Indexing Plungers**, Lock-Out or Non Lock-Out with Plate Mount

Series beginning with the "EN" title represent **elesa** Original Design Products

Indexing Plungers

Continued



**GN 717**  
**Steel Indexing Plungers,**  
with Knob, Lock-Out and  
Non Lock-Out



**SS** Stainless Steel  
**GN 717**  
**Stainless Steel Indexing**  
**Plungers,** with Knob,  
Lock-Out and Non Lock-Out



**SS** Stainless Steel  
**GN 717**  
**Steel and Stainless Steel**  
**Indexing plungers,** with  
Pull Ring



**GN 413**  
**Steel Indexing Plungers,**  
Blackened



**SS** Stainless Steel  
**GN 413**  
**Stainless Steel Indexing**  
**Plungers**



**GN 607**  
**Steel / Plastic Knob Short**  
**Indexing Plungers,** Non  
Lock-Out



**SS** Stainless Steel  
**GN 607**  
**Stainless Steel / Plastic**  
**Knob Short Indexing**  
**Plungers,** Non Lock-Out



**GN 607.1**  
**Steel / Plastic Knob Short**  
**Indexing Plungers,**  
Lock-Out



**SS** Stainless Steel  
**GN 607.1**  
**Stainless Steel / Plastic**  
**Knob Short Indexing**  
**Plungers,** Lock-Out



**GN 607.2**  
**Steel Short Indexing**  
**Plungers,** Non Lock-Out for  
Sheet Metal



**GN 607.3**  
**Steel Short Indexing**  
**Plungers,** Lock-Out for  
Sheet Metal



**GN 607.9**  
**Double Ring Spanner**  
**Assembly Tool**



**GN 607.4**  
**Steel Indexing Plungers,**  
Non Lock-Out for Welding



**GN 607.5**  
**Steel Indexing Plungers,**  
Lock-Out for Welding



**GN 608**  
**Indexing Plungers with**  
**Steel Plunger Pin,** Non  
Lock-Out with Plate Mount



**SS** Stainless Steel  
**GN 608.5**  
**Indexing Plungers with**  
**Stainless Steel Plunger**  
**Pin,** Non Locking with Plate  
Mount



**GN 608.1**  
**Indexing Plungers with**  
**Steel Plunger Pin,**  
Lock-Out with Plate Mount



**SS** Stainless Steel  
**GN 608.6**  
**Indexing Plungers with**  
**Stainless Steel Plunger**  
**Pin,** Lock-Out with Plate  
Mount



**SS** Stainless Steel  
**GN 822**  
**Steel / Stainless Steel Mini**  
**Indexing Plungers,**  
Lock-Out and Non Lock-Out



**SS** Stainless Steel  
**GN 822**  
**Steel / Stainless Steel Mini**  
**Indexing Plungers,**  
Lock-Out and Non Lock-  
Out, Red Knob

### 3.1 Indexing, Locking, Blocking with Pins and Ball-Shaped Elements



**SS** Stainless Steel  
**GN 822.1**  
**Steel / Stainless Steel Mini Indexing Plungers,**  
 Lock-Out and Non Lock-Out with Open Lock Mechanism



**SS** Stainless Steel  
**GN 822.1**  
**Steel / Stainless Steel Mini Indexing Plungers,**  
 Lock-Out and Non Lock-Out with Open Lock Mechanism, Red Knob



**822.6**  
**Steel Mini Indexing Plungers,** Lock-Out and Non Lock-Out with Hidden Lock Mechanism



**SS** Stainless Steel  
**GN 822.7**  
**Stainless Steel / Plastic Knob Mini Indexing Plungers,** Lock-Out and Non Lock-Out with Hidden Lock Mechanism



**SS** Stainless Steel  
**GN 822.7**  
**Stainless Steel Mini Indexing Plungers,** Lock-Out and Non Lock-Out with Hidden Lock Mechanisms



**GN 822.8**  
**Steel Mini Indexing Plungers,** Lock-Out and Non Lock-Out with Plate Mount



**SS** Stainless Steel  
**GN 822.9**  
**Stainless Steel Mini Indexing Plungers,** Lock-Out and Non Lock-Out with Plate Mount



**GN 412**  
**Steel Indexing Plungers,** with Screw-On Flange



**GN 416**  
**Spring Latches,** with Flange for Surface Mounting



**GN 416.1**  
**Steel Pin Locators,** for Indexing Plungers GN 416



**GN 417**  
**Zinc Die-Cast Indexing Plunger Latch Mechanisms,** Non Lock-Out



**GN 417.1**  
**Steel Pin Locators,** for Indexing Plungers GN 417



**GN 417**  
**Zinc Die-Cast Indexing Plunger Latch Mechanisms,** Lock-Out



**SPRP**  
**Steel Stubby Hand Retractable Spring Plungers,** Non Lock-Out with Pull Ring



**SS** Stainless Steel  
**WN 717.10**  
**Stainless Steel Stubby Hand Retractable Spring Plungers,** Non Lock-Out with Pull Ring



**PRP**  
**Steel Hand Retractable Spring Plungers,** Lock-Out with Pull Ring



**SS** Stainless Steel  
**GN 7017**  
**Stainless Steel L Handle Indexing plungers,** Lock-Out and Non Lock-Out Type



**LHRP / LRH**  
**Steel L Handle Retractable Spring Plungers,** Lock-Out and Non Lock-Out Type



**SS** Stainless Steel  
**LRHS**  
**Stainless Steel L Handle Retractable Spring Plungers,** Lock-Out Type



**GN 817.3**  
**Steel Indexing Plungers,** with Plate Mount for Precision Locating

Indexing  
Plungers

Continued



**GN 817.5**  
**Steel Indexing Plungers,**  
with Plate Mount and  
Conical Plunger for  
Precision Locating



**SS** Stainless Steel  
**GN 414**  
**Steel and Stainless Steel**  
**Safety Indexing Plungers,**  
Unlocking with Push Button



**SS** Stainless Steel  
**414.1**  
**Steel and Stainless Steel**  
**Safety Indexing Plungers,**  
with Push Button Click-Type  
Lock



**GN 816**  
**Steel Locking Plungers,**  
Plunger Pin Protruded in  
Normal Position



**GN 816.1**  
**Steel Locking Plungers,**  
Plunger Pin Retracted in  
Normal Position



**GN 816 / GN 816.1**  
**Key for Locking Plungers**



**GN 514**  
**Steel Locking Plungers,**  
with Push-Push Locking  
Mechanism



**GN 313**  
**Steel / Plastic Knob Spring**  
**Bolts,** Plunger Retracted in  
Normal Position



**SS** Stainless Steel  
**GN 313**  
**Stainless Steel / Plastic**  
**Knob Spring Bolts,** Plunger  
Retracted in Normal Position



**GN 7336.7**  
**Glass Fiber Reinforced**  
**Plastic Clamping Knobs,**  
with Indexing Plunger



**GN 7336.8**  
**Glass Fiber Reinforced**  
**Plastic Clamping Knobs,**  
with Indexing Plunger and  
Safety Function



**GN 609**  
**Steel Spacer Bushings,** for  
Indexing Plungers



**SS** Stainless Steel  
**GN 609.5**  
**Stainless Steel Spacer**  
**Bushings,** for Indexing  
Plungers



**GN 909**  
**Steel Thin Hexagon Nuts,**  
for Indexing Plungers / Cam  
Action Plungers



**SS** Stainless Steel  
**GN 909.5**  
**Stainless Steel Thin**  
**Hexagon Nuts,** for Indexing  
Plungers / Cam Action  
Plungers



**GN 412.2**  
**Steel Locating Bushings,**  
for Indexing Plungers / Cam  
Action Indexing Plungers



**GN 412.3**  
**Steel Locating Bushings,**  
with Cone for Indexing  
Plungers



**GN 412.1**  
**Zinc Die-Cast Mounting**  
**Blocks,** for Indexing Plung-  
ers / Cam Action Indexing  
Plungers / Positioning  
Bushings



**GN 612.1**  
**Steel Mounting Blocks,** for  
Indexing Plunges



**SS** Stainless Steel  
**GN 612.1**  
**Stainless Steel**  
**Mounting Blocks,** for  
Indexing Plungers

### 3.1 Indexing, Locking, Blocking with Pins and Ball-Shaped Elements

#### Cam Action Indexing Plungers



**GN 612**  
Steel Cam Action Indexing Plungers, with Lock-Out Function



**SS** Stainless Steel  
**GN 612**  
Stainless Steel Cam Action Indexing Plungers, without Locking Function



**GN 612.8**  
Zinc Die-Cast Cam Action Indexing Plungers, with Lock-Out Function



**GN 721**  
Steel Cam Action Indexing Plunger, with Limit Stop, without Locking Function



**GN 721.1**  
Steel Cam Action Indexing Plungers, with Limit Stop, with Lock-Out Function



**SS** Stainless Steel  
**GN 721.5**  
Stainless Steel Cam Action Indexing Plunger, with Limit Stop, without Locking Function



**SS** Stainless Steel  
**GN 721.6**  
Stainless Steel Cam Action Indexing Plungers, with Limit Stop, Lock-Out Function



**EN 672**  
Cam Action Indexing Plungers, with Plastic Guide, with Lock-Out Function



**GN 712**  
Steel Cam Action Indexing Plungers, Plunger in Normal Position Protruded



**GN 712.1**  
Steel Cam Action Indexing Plungers, Plunger in Normal Position Retracted



**GN 612.2**  
Steel Cam Action Indexing Plungers, with Mounting Flange for Surface Mounting



**GN 612.9**  
Zinc Die-Cast Cam Action Indexing Plungers, with Flange for Surface Mounting



**GN 722.1**  
Steel Square Spring Latches, with Flange for Surface Mounting



**SS** Stainless Steel  
**GN 722.1**  
Stainless Steel Square Weldable Spring Latches, for Welding



**GN 722.2**  
Steel Cam Action Indexing Plungers, with Flange for Surface Mounting



**SS** Stainless Steel  
**GN 722.2**  
Stainless Steel Square Spring Latches, with Flange for Surface Mounting



**GN 722.3**  
Steel Square Spring Latches, with Flange for Surface Mounting



**SS** Stainless Steel  
**GN 722.3**  
Stainless Steel Square Spring Latches, with Flange for Surface Mounting



**GN 612.10**  
Steel Cam Action Indexing Plungers, with Flange for Surface Mounting



**GN 612.3**  
Steel Square Weldable Cam Action Indexing Plungers

Cam Action  
Indexing  
Plungers

Continued



SS Stainless Steel

**GN 612.3**  
**Stainless Steel Square Weldable Cam Action Indexing Plungers**

Spring Plungers



SS Stainless Steel

**GN 615**  
**Steel / Stainless Steel Ball Plungers, Threaded Body Type with Ball and Slot**



SS Stainless Steel

**GN 615.3**  
**Steel / Stainless Steel Ball Plungers, Threaded Body Type with Hexagon Socket Drive**



SS Stainless Steel

**GN 615.3**  
**Steel / Stainless Steel Ball Plungers, with Thread Locking, Ball, and Internal Hexagon**



**GN 615.2**  
**Derlin Ball Plungers, Threaded Body Type with Stainless Steel or Derlin Ball**



**BP**  
**Steel Ball Plungers, Threaded Body Type, with Ball and Slot**



SS Stainless Steel

**SBP**  
**Stainless Steel Ball Plungers, Threaded Body Type with Nylon Ball**



SS Stainless Steel

**SBPNB**  
**Stainless Steel Ball Plungers, Threaded Body Type with Nylon Ball**



**GN 815**  
**Steel Ball Plungers, with Slotted Head**



SS Stainless Steel

**GN 815**  
**Stainless Steel Ball Plungers, with Slotted Head**



SS Stainless Steel

**GN 614**  
**Stainless Steel, Derlin, and Brass Short Press-Fit Ball Plungers**



**GN 614.5**  
**Plastic Push-Fit Short Spring Plungers, with Ball**



SS Stainless Steel

**PBP**  
**Steel or Stainless Steel Press-Fit Ball Plungers**



**GN 614.2**  
**Brass Double Ended Press-Fit Ball Plungers**



SS Stainless Steel

**GN 614.3**  
**Stainless Steel Headless Unthreaded Ball Plungers**



**GN 610**  
**Spring Loaded Shells**



**GN 249**  
**Ball Buttons, for Spring Plungers**

### 3.1 Indexing, Locking, Blocking with Pins and Ball-Shaped Elements



**GN 250**  
Steel Positioning Blocks,  
for Spring Plungers



**SS** Stainless Steel  
**GN 615.1**  
Steel / Stainless Steel  
Short Spring Plungers,  
with Standard and Heavy  
Spring Loads



**SS** Stainless Steel  
**GN 615.4**  
Steel or Stainless Steel  
Short Spring Plungers,  
with Nose Pin and Hexagon  
Socket Drive



**GN 616**  
Steel or Derlin Spring  
Plungers, with Nose Pin  
and Internal Hexagon



**SS** Stainless Steel  
**GN 616**  
Stainless Steel Spring  
Plungers, with Stainless  
Steel or Derlin Nose Pins  
and Internal Hexagon



**GN 616.5**  
Steel Screwdrivers, for  
Installing Spring Plungers  
GN 616



**SS** Stainless Steel  
**GN 614.4**  
Stainless Steel Spring  
Plungers, Long Body,  
Press-Fit Type



**GN 611**  
Steel Long Stroke Spring  
Plungers



**GN 611.5**  
Steel Screwdrivers, for  
Installing Spring Plungers  
GN 611



**SPNL**  
Steel Short Spring  
Plungers, Threaded Body  
with Steel Nose Pin



**SS** Stainless Steel  
**SPSNL**  
Stainless Steel Short  
Spring Plungers, Threaded  
Body with Stainless Steel  
Nose Pin



**SPDN**  
Steel Short Spring  
Plungers, Slotted Threaded  
Body with Derlin Nose Pin



**SS** Stainless Steel  
**SPSDN**  
Stainless Steel Short  
Spring Plungers, Slotted  
Threaded Body with Derlin  
Nose Pin



**DNSP**  
Steel Spring Plungers, with  
Derlin Nose Pin



**SPNLE**  
Steel Spring Plungers, with  
Plastic Nose Pin



**SPNLE**  
Steel Spring Plungers, with  
Steel Nose Pin



**SS** Stainless Steel  
**SPSSNL**  
Stainless Steel Spring  
Plungers, with Stainless  
Steel Nose Pin



**SS** Stainless Steel  
**SPSSDN**  
Stainless Steel Spring  
Plungers, with Derlin Nose  
Pin



**GN 513**  
Steel Spring Loaded  
Positioning Elements



**GN 615.7**  
Steel Spring Plungers, with  
Limit Switch

#### Spring Plungers

Continued



**GN 614.1**  
**Zinc Die Cast Holding Blocks**, for Spring Plungers GN 614



**GN 614.1**  
**Zinc Die Cast Holding Blocks**, with Spring Plungers GN 614



**GN 716**  
**Cylindrical Side Thrust Pins**, Press-On Type



**GN 715**  
**Press-Fit Side Thrust Pins**



**GN 715.1**  
**Mounting Tools**, for GN 715 / GN 714



**GN 714**  
**Press-Fit Side Thrust Pins**, Tapped without Pin



**GN 713**  
**Zinc-Plated Steel Side Thrust Pins**, with Threaded Body



**GN 713.1**  
**Mounting Tools**, for GN 713



**GN 715.2**  
**Steel Eccentric Bushings**, for Side Thrust Pins

3.1

#### Rapid Release Pins



**SS** Stainless Steel  
**GN 113.3**  
**Stainless Steel Self-Locking Rapid Release Pins**



**SS** Stainless Steel  
**GN 113.4**  
**Stainless Steel AISI 630, Heavy Duty Self-Locking Rapid Release Pins**



**SS** Stainless Steel  
**GN 113.5**  
**Rapid Release Pins**, with Stainless Steel Shank AISI 303



**SS** Stainless Steel  
**GN 113.6**  
**Plastic Heavy Duty Self-Locking Rapid Release Pins**, with Stainless Steel Shank 1.4542



**SS** Stainless Steel  
**GN 113.7**  
**Ball Lock Pins**, with Plastic T-Handle, Stainless Steel AISI 303 European Standard 1.4305



**SS** Stainless Steel  
**GN 113.8**  
**Stainless Steel AISI 630 Heavy Duty Ball Lock Pins**, with Plastic T-Handle, European Standard 1.4542



**SS** Stainless Steel  
**GN 114.2**  
**Steel Rapid Release Pins**, Steel Shank and Stainless Steel Securing Pins



**SS** Stainless Steel  
**GN 114.3**  
**Stainless Steel Shank and Securing Pins**, Rapid Release Pins

## 3.1 Indexing, Locking, Blocking with Pins and Ball-Shaped Elements



**SS** Stainless Steel  
**GN 114.6**  
**Stainless Steel Rapid Release Pins, with Axial Lock (pawl)**



**GN 214.2**  
**Steel Locking Pins, with Axial Lock (pawl)**



**SS** Stainless Steel  
**GN 214.3**  
**Stainless Steel Shank and Securing Pins Rapid Release Pins, Plastic Push Button and Lifting Ring**



**SS** Stainless Steel  
**GN 214.6**  
**Stainless Steel Rapid Release Pins, with Axial Lock**



**RP 200**  
**Rapid Release Pins, with Steel Shank**



**SS** Stainless Steel  
**RP 200.1**  
**Rapid Release Pins, with Stainless Steel Shank**



**RP 100**  
**T-Handle Rapid Release Pins, with Steel Shank**



**SS** Stainless Steel  
**RP 100.1**  
**T-Handle Rapid Release Pins, with Stainless Steel Shank**



**SS** Stainless Steel  
**GN 124**  
**Stainless Steel Shank Quick Release Pins, with Axial Lock (ball retainer)**



**SS** Stainless Steel  
**GN 124.2**  
**Stainless Steel Locking Pins, with Axial Lock (ball retainer)**



**SS** Stainless Steel  
**GN 124.1**  
**Stainless Steel Locking Pins, with Axial Lock (Magnetic)**



**SS** Stainless Steel  
**GN 113.1**  
**Plastic Three-Prong Self-Locking Rapid Release Pins, with Stainless Steel Shank**



**SS** Stainless Steel  
**GN 2342**  
**Stainless Steel Assembly Pins**



**SS** Stainless Steel  
**GN 2344**  
**Stainless Steel Retaining Washer**

For complete technical information, CAD models and online buying, visit [www.jwwinco.com](http://www.jwwinco.com)

# 3.2 Mounting, Positioning, Leveling

with Screws, Clamping, and  
Supporting Elements

Swing Bolts / Shoulder Screws / Thrust Bolts  
Thrust Pads  
Nuts  
Washers  
Positioning Elements / Clamping Pads  
Leveling Sets  
Set Collars  
Nuts / Bolts for T-Slots



## Swing Bolts / Shoulder Screws / Thrust Bolts

3.2



**DIN 444  
Steel Swing Bolts**



**SS** Stainless Steel  
**DIN 444  
Stainless Steel Swing  
Bolts**



**GN 1524  
Steel Swing Bolts, with  
Extended Thread Length**



**SS** Stainless Steel  
**GN 1524  
Stainless Steel Swing  
Bolts, with Extended Thread  
Length**



**SEB  
Steel Swing Bolts, Blank**



**SEB  
Steel Swing Bolts**



**LB  
Steel Latch Bolts**



**GN 913.3  
Steel Set Screws, with  
Brass or Nylon Tip**



**SS** Stainless Steel  
**GN 913.5  
Stainless Steel Set  
Screws, with Brass or Nylon  
Tip**



**GN 913.2  
Steel Set Screws, with  
Hardened Spherical or  
Pointed Tip**



**SS** Stainless Steel  
**GN 933.5  
Stainless Steel Hexagon  
Head Screws, with Brass  
Tip, Nylon Tip, or Spherical  
Pivot**



**GN 605  
Steel Socket Set Screws,  
with Full, Flat, and Serrated  
Ball Point Ends**



**SS** Stainless Steel  
**GN 605**  
**Stainless Steel Set Screws**, with Full, Flat, and Serrated Ball Point Ends



**GN 605.6**  
**Steel Socket Set Screws**, with Serrated Flat Ball Ends with Nut and Washer



**GN 606**  
**Steel Socket Head Cap Screws**, with Full, Flat and Serrated Ball Point Ends



**SS** Stainless Steel  
**GN 606**  
**Stainless Steel Socket Head Cap Screws**, with Full, Flat, and Serrated Ball Point Ends



**GN 732**  
**Steel Cylinder Head Shoulder Bolts**



**ISO 7379**  
**Hardened Steel Shoulder Screws**, with Collar



**SS** Stainless Steel  
**ISO 7379**  
**Stainless Steel Shoulder Screws**, with Collar



**GN 252**  
**Steel Threaded Plugs**



**SS** Stainless Steel  
**GN 252.5**  
**Stainless Steel Threaded Plugs**

Thrust Pads



**DIN 6332**  
**Steel Grub Screws**, with Hardened or Unhardened Tips



**DIN 6332**  
**Steel Zinc Plated Grub Screws**, with Unhardened Tips



**DIN 6311**  
**Steel Thrust Pads**



**GN 6311.1**  
**Steel Thrust Pads**, Plain Base or with Plastic Cover



**GN 6311.3**  
**Base Plates**



**GN 632.1**  
**Steel Grub Screws**



**SS** Stainless Steel  
**GN 632.5**  
**Stainless Steel Grub Screws**



**GN 631**  
**Plastic Thrust Pads**

Thrust Pads

Continued



**SS** Stainless Steel  
**GN 631.5**  
Stainless Steel Thrust Pads



**KHTS**  
Knurled Toggle Clamp Screws



**TS**  
Swivel Screw Clamps



**TSP**  
Steel Toggle Pads



**SS** Stainless Steel  
**TSPS**  
Stainless Steel Toggle Pads



**SS** Stainless Steel  
**STP**  
Steel or Stainless Steel Serrated Toggle Pads



**GN 346**  
Steel Ball Joint Thrust Pads



**GN 347**  
Steel Swivel Hexagon Nuts, with Tapped Through Socket

Nuts

3.2



**DIN 934**  
Steel, Zinc Plated, or Stainless Steel Hex Nuts



**DIN 1804**  
Steel Slotted Spanner Nuts



**SS** Stainless Steel  
**DIN 1804**  
Stainless Steel Slotted Spanner Nuts



**GN 1804.1**  
Steel Slotted Spanner Lock Nuts, with Polyamide Insert



**GN 1804.2**  
Slotted Locknuts, with Threaded Locking



**KM**  
Steel Bearing Lock Nuts



**MB**  
Spring Steel Bearing Lock Washers



**GN 706.3**  
Steel Threaded Set Collars



**SS** Stainless Steel  
**GN 706.3**  
Stainless Steel Threaded Set Collars



**GN 444.2**  
Steel Eye Nuts



**DIN 6330**  
Steel Fixture Nuts



**SS** Stainless Steel  
**DIN 6330**  
Stainless Steel Fixture Nuts, with Spherical End



**DIN 6330**  
Steel Fixture Nuts, Old DIN Standard



**DIN 6331**  
Steel Hexagon Collar Nuts



**No. 6334**  
Steel Extension Nuts



**CN**  
Steel Check Nuts



**KN**  
Steel Knurled Fixture Nuts

Washers



**DIN 9021B**  
Zinc Plated Steel Washers



**GN 6341**  
Steel Washers



**SS** Stainless Steel  
**GN 6341**  
Stainless Steel Washers



**SS** Stainless Steel  
**GN 6343**  
Stainless Steel Washers / Leveling Disks



**GN 6339**  
Steel Heavy Duty Washers, High Type



**GN 6339**  
Steel Heavy Duty Washers, Low Type



**GN 184**  
Steel Countersunk Washers



**SS** Stainless Steel  
**GN 184.5**  
Stainless Steel Countersunk Washers



**SS** Stainless Steel  
**GN 185**  
Stainless Steel Countersunk Washers, with Plastic Cover Disk



**DIN 6340**  
Steel Heavy Duty Flat Washers



**SS** Stainless Steel  
**FWS**  
Steel or Stainless Steel Heavy Duty Flat Washers



**GN 338**  
Steel Disks, with Cover Cap

Washers

Continued



**DIN 6319**  
**Steel Spherical Washers,**  
Seat and Dished Type



**SS** Stainless Steel  
**DIN 6319**  
**Stainless Steel Spherical**  
**Washers, Seat and Dished**  
Type



**SS** Stainless Steel  
**TPSWS**  
**Steel or Stainless Steel**  
**Two-Piece Spherical**  
**Washers**



**GN 6319.1**  
**Steel Spherical Washers,**  
Seat and Dished Combined  
Type



**SS** Stainless Steel  
**GN 6319.1**  
**Stainless Steel Spherical**  
**Washers, Seat and Dished**  
Combined Type



**GN 350.3**  
**Steel Spherical Leveling**  
**Washers**



**SS** Stainless Steel  
**GN 350.3**  
**Stainless Steel Spherical**  
**Leveling Washers**



**GN 6342**  
**Steel Washers, with Axial**  
Friction Bearing



**SS** Stainless Steel  
**GN 6342**  
**Stainless Steel Washers,**  
with Axial Friction Bearing



**GN 6344**  
**Washer Rings, with Axial**  
Ball Bearing



**GN 187.4**  
**Sintered Steel Serrated**  
**Locking Plates**



**SS** Stainless Steel  
**GN 187.4**  
**Stainless Steel Serrated**  
**Locking Plates**



**GN 187.1**  
**Steel Guide Housing**



**SS** Stainless Steel  
**GN 187.1**  
**Stainless Steel Guide**  
**Housing**



**SS** Stainless Steel  
**GN 187.2**  
**Stainless Steel Conical**  
**Thrust Springs**



**DIN 6371**  
**Steel Captive C-Washers**



**SCW**  
**Steel Swing C-Washers**



**GN 183**  
**Steel C-Washers**



**HDCW**  
**Steel Heavy Duty**  
**C-Washers**

Positioning Elements / Clamping Pads



DIN 172  
**Steel Drill Bushings, with Collar**



DIN 179  
**Steel Drill Bushings, without Collar**



GN 172.1  
**Guide Bushings, with Collar and Conical Bore**



GN 179.1  
**Steel Guide Bushings, without collar, with conical bore**



GN 771.1  
**Steel Locating Pins**



GN 230  
**Steel Tenon Nuts**



DIN 6321  
**Steel Locating / Seating Pins**



GN 6322  
**Steel Workholding Pins**



GN 409.1  
**Steel Positioning Elements, with Threaded Stem**



GN 409.2  
**Steel Positioning Elements, Tapped**



GN 251  
**Steel Clamping Screws, with Hex Head, Hardened**



GN 251  
**Steel Clamping Screws, with Polyurethane Disc**



GN 251.2  
**Steel Stop Bolts, with Limit Switch**



GN 6321.1  
**Steel Seating Pins**



DIN 6320  
**Steel Jig Feet**



DIN 6885  
**Steel Keys**



**SS** Stainless Steel  
DIN 6885  
**Stainless Steel Keys**



GN 709.1  
**Steel Clamping Pads, with Threaded Stem**



**SS** Stainless Steel  
GN 709.15  
**Stainless Steel Clamping Pads, with Threaded Stem**



GN 709.2  
**Steel Clamping Pads, with Tapped Body**

Positioning Elements / Clamping Pads

Continued



**SS** Stainless Steel  
**GN 709.25**  
**Stainless Steel Clamping Pads, with Tapped Body**



**GN 709.3**  
**Steel Clamping Pads, with Height Adjustment**



**SS** Stainless Steel  
**GN 709.35**  
**Stainless Steel Clamping Pads, with Height Adjustment**



**GN 709.6**  
**Steel Clamping Pads, Adjustable**



**GN 709.7**  
**Steel Clamping Pads, with O-Ring**



**GN 709.8**  
**Steel Clamping Pads, Adjustable and with O-Ring**

Leveling Sets

3.2



**SS** Stainless Steel  
**GN 350**  
**Steel or Stainless Steel Leveling Sets, Long Model**



**SS** Stainless Steel  
**GN 350.1**  
**Steel or Stainless Steel Leveling Sets, Short Model**



**SS** Stainless Steel  
**GN 350.2**  
**Steel or Stainless Steel Leveling Sets, with Spherical Washer**



**SS** Stainless Steel  
**GN 350.5**  
**Steel or Stainless Steel Leveling Sets, with Spherical Washer and Locknut**



**GN 355**  
**Steel Leveling Elements**



**SS** Stainless Steel  
**GN 355**  
**Stainless Steel Leveling Elements**



**GN 355.1**  
**Steel Assembly Tools, for GN 355 Leveling Elements**

Set Collars



**GN 705**  
**Steel Set Collars, Zinc Plated**



**GN 705**  
**Steel Set Collars, Blackened Finish**



**SS** Stainless Steel  
**GN 705**  
**Stainless Steel Set Collars**



**GN 706.2**  
**Steel or Aluminum Semi-Split Set Collars**



**SS** Stainless Steel  
**GN 706.2**  
**Stainless Steel Semi-Split Set Collars**



**GN 707.2**  
**Steel Aluminum Two-Piece Split Set Collars**



**SS** Stainless Steel  
**GN 707.2**  
**Stainless Steel Two-Piece Split Set Collars**



**EN 707.5**  
**Plastic Split Set Collars**



**GN 706.4**  
**Steel or Aluminum Split Set Collars, with Adjustable Hand Lever**



**SS** Stainless Steel  
**GN 706.4**  
**Stainless Steel Split Set Collars, with Adjustable Hand Lever**



**GN 704**  
**Aluminum Quick Release Set Collars**

Nuts / Bolts for T-Slots



**DIN 508**  
**Steel T-Slot Nuts**



**DIN 508**  
**Steel T-Slot Nuts, without Threads**



**SS** Stainless Steel  
**DIN 508**  
**Stainless Steel T-Slot Nuts**



**SS** Stainless Steel  
**DIN 508**  
**Stainless Steel T-Slot Nuts, without Threads**



**No. 508R**  
**Steel T-Slot Nuts, Semi-Finished**



**GN 508.2**  
**Steel Slip Proof T-Nuts**



**NO. 508F**  
**Steel T-Slot Nuts, with Spring**



**STN**  
**Steel Standard T-Slot Nuts**



**NO. 508L**  
**Extended T-Slot Nuts**



**GN 508.1**  
**Steel Rhombus T-Nuts**



**NO. 510**  
**Steel Rhombus T-Removable Nuts**



**NO. 797**  
**Steel Rhombus T-Slot Bolts**

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Nuts / Bolts for T-Slots

Continued



**DIN 6379**  
**Steel Double Ended Threaded Studs**



**DIN 787**  
**Steel T-Slot Bolts**



**WN 787**  
**Steel T-Slot Bolts**



**GN 505.4**  
**Steel Serrated T-Slot Bolts, for Aluminum Extrusions**



**SS** Stainless Steel  
**GN 505.5**  
**Stainless Steel Serrated T-Slot Bolts, for Aluminum Extrusions**



**GN 505**  
**Steel Serrated Quarter-Turn T-Nuts, for Aluminum Extrusions**



**GN 506**  
**Steel Roll-In T-Nuts, for Aluminum Extrusions**



**GN 506.1**  
**Steel T-Nuts, without Guide Step, for Aluminum Extrusions**



**SS** Stainless Steel  
**GN 506.1**  
**Stainless Steel T-Nuts, without Guide Step, for Aluminum Extrusions**



**GN 506.2**  
**Steel T-Nuts, with Spring Washer, for Aluminum Extrusions**



**GN 507**  
**Steel T-Nuts, for Aluminum Extrusions**



**GN 965**  
**Steel T-Nut Assemblies, For 30/40 mm Aluminum T-Slot Profile Systems**



**GN 968**  
**Steel T-Nut Assemblies, for 30/40/45 mm Aluminum T-Slot Profile Systems**

Retaining Cables



**GN 111**  
**Nickel Plated Brass Ball Chains, with Two Key Rings**



**SS** Stainless Steel  
**GN 111.5**  
**Stainless Steel Ball Chains, with Two Key Rings**



**SS** Stainless Steel  
**GN 111.3**  
**Stainless Steel Key Rings**



**SS** Stainless Steel  
**GN 111.2**  
**Stainless Steel Retaining Cables, with One Key Ring and One Mounting Tab, or with Two Key Rings**



**SS** Stainless Steel  
**GN 111.2**  
**Stainless Steel Retaining Cables**, with or without Two Mounting Tabs



**GN 111.4**  
**Plastic Spiral Retaining Cables**, with Stainless Steel Connecting Rings



**SS** Stainless Steel  
**GN 111.6**  
**Stainless Steel Retaining Rings**



**SS** Stainless Steel  
**FR 100.2**  
**Stainless Steel Flanged Receptables**, for Rapid Release Pins



**LY 100**  
**Lanyards**, for Rapid Release Pins



**GN 1024**  
**Steel Spring Cotter Pins**



**SS** Stainless Steel  
**GN 1024**  
**Stainless Steel Spring Cotter Pins**

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# 3.3 Hinging, Latching, Locking of Doors and Covers

- Latches with/without Clamping Function
- Hook-Type Latches
- Latches with Indexing Function
- Accessories
- Hinges: Adjustable, Lockable, with Adjustable Friction, Detachable
- Hinges with Electrical Switching Function
- Edge Protection Profiles



## Latches without Clamping Function



**GN 115**  
**Chrome Plated Latches,**  
Non Lockable with Locating  
Ring



**GN 115**  
**Zinc Die Cast Latches,**  
with Operating Elements  
and Black Locating Ring



**GN 115**  
**Chrome Plated Latches,**  
with Key and Locating Ring



**GN 115**  
**Zinc Die Cast Latches,**  
with Black Locating Ring  
and Operation with Key



**GN 115**  
**Chrome Plated Latches,**  
Operation with Key



**GN 115**  
**Black Plastic Coated**  
**Latches,** Operation with  
Key



**SS** Stainless  
Steel  
**GN 115**  
**Stainless Steel Latches,**  
Operation with Key or  
Handle



**SS** Stainless  
Steel  
**GN 115**  
**Stainless Steel Latches,**  
Operation with Key



**SS** Stainless  
Steel  
**GN 115**  
**Stainless Steel Latches,**  
Lockable



**SS** Stainless  
Steel  
**GN 115**  
**Stainless Steel Hygienic**  
**Latches**



**GN 115.1**  
**Zinc Die Cast**  
**Mini-Latches,** Operation  
with Key



**SS** Stainless  
Steel  
**GN 115.6**  
**Stainless Steel**  
**Mini-Latches,** Operation  
with Key

### 3.3 Hinging, Latching, Locking of Doors and Covers



**EN 115.3**  
**Plastic Door Latches**, Non Lockable, Operation with Key or Handle



**EN 115.5**  
**Plastic Latches**, for Snap-In Mounting, Operation with Key



**GN 115.5**  
**Dismantling Sheet Metal Plate**



**GN 217**  
**Zinc Plated Steel Door Locking Mechanisms**, Lockable or Non Lockable



**GN 623.1**  
**Latches**, Lockable, with Handle



**GN 115.7**  
**Zinc Die Cast Door Handles**, Non Lockable, with Latch Mechanism, Operation with Key



**GN 115.10**  
**Zinc Die Cast Latches**, Non Lockable, with Gripping Tray, Operation with Key



**GN 115.10**  
**Zinc Die Cast Latches**, Lockable, with Gripping Tray



**EN 731.2**  
**Latches**, with Gripping Tray and Steel Key Bolt



**SS** Stainless Steel  
**EN 731.5**  
**Latches**, with Gripping Tray and Stainless Steel Key Bolt

#### Latches with Clamping Function



**GN 116.1**  
**Zinc Die Cast Adjustable Door Locking Mechanisms**, with Spring Loaded Latch



**GN 516**  
**Zinc Die Cast Compression Latches**



**SS** Stainless Steel  
**GN 516.5**  
**Stainless Steel Compression Latches**



**GN 516.1**  
**Zinc Die Cast Compression Latches**, with Continuously Adjustable Latch Distance



**GN 117**  
**Zinc Plated Steel Door Latching Mechanisms**, with Cam



**GN 119**  
**Zinc Die Cast Door Latching Mechanisms**, with Cam



**SS** Stainless Steel  
**GN 119**  
**Stainless Steel Door Latching Mechanisms**, with Cam



**GN 218**  
**Sintered Metal Cam Latches**, Left or Right Hand Type

Series beginning with the "EN" title represent **elesa** Original Design Products

Latches with Clamping Function

Continued



**EN 118**  
**Spring Loaded Door Latching Mechanisms, with Cam**



**EN 118.1**  
**Guide Bushings, for Latches EN 118**



**GN 119.3**  
**Door Latching Mechanisms, with Cabinet "U" Handles**

Hook-Type Latches



**GN 115.8**  
**Zinc Die Cast Hook-Type Latches, Non Lockable, Operation with Various Components**



**GN 115.8**  
**Zinc Die Cast Hook-Type Latches, Operation with Key**



**GN 115.8**  
**Zinc Die Cast Hook-Type Latches, Lockable**

Latches with Indexing Function



**GN 315**  
**Snap Locks, with Adjustable Locking Distance**



**GN 315.1**  
**Snap Locks, with Fixed Locking Distance**



**EN 449**  
**Spring-Bolt Door Latches**



**EN 932**  
**Technopolymer Plastic Ledge Handles with Lock**

3.3



**EN 450**  
**Plastic Ball Shaped Door Catches**



**EN 450.1**  
**Plastic Spacers, for Ball Shaped Door Catches**



**GN 702**  
**Zinc Die Cast Stop Locks, with Four Indexing Positions**



**GN 720**  
**Zinc Die Cast Stop Locks**

Accessories



**GN 119.2**  
**Keys for Latches**



**GN 123**  
**Steel Sheet Metal Punches, for Door Locks**



**GN 120**  
**Plastic Protective Caps, for Door Locks**



**GN 120.1**  
**Handles for Opening Latches**

Series beginning with the "EN" title represent **elesa** Original Design Products



**GN 120.2**  
**Protective Guide Plates,**  
for Latches GN 115 / GN  
115.7 / GN 115.10

## Hinges



**GN 237**  
**Zinc Die Cast Hinges,** with  
Countersunk Thru Holes or  
Threaded Stud Type



**SS** Stainless  
Steel  
**GN 237**  
**Stainless Steel Hinges,** with  
Countersunk Thru  
Holes or Threaded Stud  
Type



**SS** Stainless  
Steel  
**GN 2372**  
**Stainless Steel Plates,** with  
Tapped Holes



**SS** Stainless  
Steel  
**GN 2370**  
**Stainless Steel Spacer  
Plates,** for Hinges



**GN 2374**  
**Rubber Bumper Stops,** for  
Hinges



**SS** Stainless  
Steel  
**GN 237**  
**Zinc Die Cast or  
Stainless Steel Hinges with  
Extended Hinge Wing,** with  
Countersunk Thru Holes, or  
Threaded Stud Type



**GN 237.1**  
**Plastic Hinges,** with  
Countersunk Thru Holes,  
Socket Head Thru Holes,  
Threaded Studs, or  
Combination Types



**GN 237.1**  
**Plastic Cleanline Hinges,**  
with Countersunk Thru  
Holes



**GN 136**  
**Steel Sheet Metal Hinges,**  
with Bores for Cylinder  
Head Screws or  
Countersunk Screws



**SS** Stainless  
Steel  
**GN 136**  
**Stainless Steel Sheet  
Metal Hinges,** with Bores  
for Cylinder Head Screws or  
Countersunk Screws



**GN 138**  
**Zinc Die Cast Hinges,** with  
2 x 2 Threaded Blind Holes



**EN 154**  
**Plastic Hinges,** with Thru  
Holes, Tapped or Threaded  
Studs



**EN 155**  
**Plastic Hinges,** with Thru  
Holes, Tapped or Threaded  
Studs



**EN 157**  
**Technopolymer Plastic  
Hinges,** with Counter-bored  
Holes



**EN 158**  
**Plastic Hinges,** with Thru  
Holes, Tapped or Threaded  
Studs



**C**  
**Plastic Hinges,** with Thru  
Holes, Tapped, or Threaded  
Stud

Series beginning with the "EN" title represent **elesa** Original Design Products

Hinges

Continued



**EN 151**  
**Plastic Hinges**, with Thru Holes, Tapped or Threaded Studs



**EN 151.1**  
**Plastic Hinges**, 90° Swivelling Range, with Thru Holes, Tapped or Threaded Studs



**EN 151.3**  
**Technopolymer Plastic Hinges**, with Countersunk Screw Mounting Holes and Cover Plates



**EN 159**  
**Plastic Hinges**, Used with Profile Systems



**EN 159.1**  
**Plastic Double Rings**, Used with Profile Systems



**EN 161**  
**Zinc Die Cast Hinges**, Used with Aluminum Profiles



**GN 129**  
**Zinc-Plated Steel Hinges**, Two-Part Lift-Off and Three-Part Solid



**SS** Stainless Steel  
**GN 129.5**  
**Stainless Steel Hinges**, Consisting of Three Parts



**GN 129.2**  
**Steel Hinges**, Consisting of Three Parts



**SS** Stainless Steel  
**GN 129.2**  
**Stainless Steel Hinges**, Consisting of Three Parts



**GN 129.3**  
**Steel Hinges**, Consisting of Three Parts

3.3

Hinges, Adjustable



**GN 238**  
**Zinc Die Cast Adjustable Alignment Hinges**, with Cover Caps



**GN 127**  
**Zinc Die Cast Adjustable Hinges**, with Alignment Bushings



**EN 236**  
**Plastic Adjustable Hinges**, with Alignment Bushings



**EN 151.4**  
**Technopolymer Plastic Hinges**, with Slotted Holes

Hinges, Lockable



**EN 151.2**  
**Plastic Lockable Hinges**, with Countersunk Screw Holes



**EN 222**  
**Technopolymer Plastic Hinges**, with Four Indexing Positions



**EN 122.1**  
**Plastic Hinges**, with Indexing Positions



**EN 122.2**  
**Plastic Hinges**, without Indexing Positions

Series beginning with the "EN" title represent **elesa** Original Design Products

### 3.3 Hinging, Latching, Locking of Doors and Covers

#### Hinges with Adjustable Friction



**GN 437**  
**Zinc Die Cast Adjustable Friction Hinges**



**EN 233**  
**Technopolymer Plastic Adjustable Friction Hinges**



**EN 233**  
**Technopolymer Plastic Adjustable Friction Hinges, Cleanline**

#### Hinges, Detachable



**GN 337**  
**Zinc Die Cast Lift-Off Hinges, with Countersunk Thru Holes**



**SS** Stainless Steel  
**GN 337**  
**Stainless Steel Lift-Off Hinges, with Countersunk Thru Holes**



**EN 337.1**  
**Plastic Lift-Off Hinges, with Countersunk Thru Holes**



**GN 161.1**  
**Zinc Die Cast Lift-Off Hinges, with Tapped Holes**



**GN 161.2**  
**Zinc Die Cast Lift-Off Hinges, with Tapped Holes**



**EN 160**  
**Technopolymer Plastic Lift-Off Hinges, with Eccentric Pin**



**EN 160.1**  
**Plastic Hinge, with Eccentric Pin**



**GN 128**  
**Weldable Steel Hinges**



**GN 128.2**  
**Weldable Aluminum Hinges**



**SS** Stainless Steel  
**GN 128.2**  
**Weldable Stainless Steel Hinges**

#### Hinges with Electrical Switching Function



**EN 239.3**  
**Plastic Hinges, without Integrated Switch, for Use With Hinges EN 239.4 with Integrated Switch**



**EN 239.7**  
**Plastic Hinges, without Safety Switch, for Use With Hinges EN 239.6 with Safety Switch**



**GN 139.2**  
**Zinc Die Cast Hinges, without Safety Switches**



**SS** Stainless Steel  
**GN 139.6**  
**Stainless Steel Hinges, without Safety Switches**

Series beginning with the "EN" title represent **elesa** Original Design Products

Hinges with Electrical Switching Function

Continued



**GN 139.1**  
**Zinc Die Cast Hinges,** with Electrical Switching Function, Safety Switch, and Connector Cable



**GN 139.1**  
**Zinc Die Cast Hinges,** with Electrical Switching Function, Safety Switch, and Connector Plug



**GN 139.3**  
**Zinc Die Cast Flat Mounting Plates,** for Hinges GN 139.1 / GN 139.2



**GN 139.4**  
**Zinc Die Cast Angled Mounting Plates,** for Hinges GN 139.1 / GN 139.2



**SS** Stainless Steel  
**GN 139.5**  
**Stainless Steel Hinges,** with Electrical Switching Function, Safety Switch, and Connector Cable



**SS** Stainless Steel  
**GN 139.5**  
**Stainless Steel Hinges,** with Safety Switch and Connector Plug



**GN 239.6**  
**Technopolymer Plastic Hinges,** with Integrated Safety Switch and Connector Plug



**GN 239.6**  
**Technopolymer Plastic Hinges,** with Integrated Safety Switch and Cable



**EN 239.8**  
**Technopolymer Plastic Flat Mounting Plates,** for Hinges EN 239.6 / EN 239.7



**EN 239.4**  
**Plastic Hinges,** with Integrated Switch and Connector Cable



**EN 239.4**  
**Plastic Hinges,** with Integrated Switch and Connector Plug (M12 x 1)



**GN 330**  
**Cables,** with Connector Coupling (M12 x 1), for Use With Handles GN 331 / GN 332 / EN 628.4 and Hinges GN 139.1 / EN 239.4

3.3

Edge Protection Profiles



**GN 2180**  
**Edge Protection Seal Profiles**



**GN 2182**  
**Edge Protection Seal Profiles**



**GN 2184**  
**Edge Protection Profiles**

For complete technical information, CAD models and online buying, visit [www.jwwinco.com](http://www.jwwinco.com)



# 3.4 Installing, Lifting, Dampening with Leveling Feet, Lifting Gear and Rubber Elements

- Leveling Feet
- Lifting Eye Bolts / Lifting Eye Nuts
- Accessories
- Load Rings / Lifting Points
- Shackles
- Lifting Pins
- Vibration / Shock Absorption Mounts



## Leveling Feet



SS Stainless Steel

**GN 20  
Stainless Steel Leveling Feet**, Hygienic Design, with Mounting Holes



SS Stainless Steel

**GN 20  
Stainless Steel Leveling Feet**, Hygienic Design, without Mounting Holes



**GN 7600  
Sealing Rings**, Hygienic Design



SS Stainless Steel

**GN 1580  
Stainless Steel Nuts**, Hygienic Design



SS Stainless Steel

**GN 1580  
Stainless Steel Screws**, Hygienic Design



**LPST  
"LEVEL-IT™" Leveling Mounts**, Steel Tapped Socket Type



**LPST  
"LEVEL-IT™" Leveling Mounts**, Steel Threaded Stud Type



SS Stainless Steel

**LPST  
"LEVEL-IT™" Leveling Mounts**, Stainless Steel Tapped Socket Type



SS Stainless Steel

**MLPST  
"LEVEL-IT™" Leveling Mounts**, Stainless Steel Threaded Stud Type



**MLPST  
"LEVEL-IT™" Leveling Mounts**, Steel Tapped Socket Type



**MLPST  
"LEVEL-IT™" Leveling Mounts**, Steel Threaded Stud Type



SS Stainless Steel

**MLPST  
"LEVEL-IT™" Leveling Mounts**, Stainless Steel Tapped Socket Type



**SS** Stainless Steel  
**MLPST**  
**"LEVEL-IT™" Leveling Mounts**, Stainless Steel Threaded Stud Type



**GN 343.1**  
**Tapped Type Steel Base Leveling Mounts**, with or without Plastic Rubber Cup



**GN 343.2**  
**Stud Type Steel Base Leveling Mounts**, with or without Plastic Rubber Cup



**SS** Stainless Steel  
**GN 343.5**  
**Tapped Type Stainless Steel Base Leveling Mounts**, with or without Plastic Rubber Cup



**SS** Stainless Steel  
**GN 343.6**  
**Stud Type Stainless Steel Base Leveling Mounts**, with or without Plastic Rubber Cup



**TNSM**  
**Steel Snap-Lock™ Non-Skid Leveling Mounts**, Tapped Socket Type



**SNSM**  
**Steel Snap-Lock™ Non-Skid Leveling Mounts**, Threaded Stud Type



**SS** Stainless Steel  
**TNSM**  
**Stainless Steel Snap-Lock™ Non-Skid Leveling Mounts**, Tapped Socket Type



**SS** Stainless Steel  
**SNSM**  
**Stainless Steel Snap-Lock™ Non-Skid Leveling Mounts**, Threaded Stud Type



**GN 342.1**  
**Steel Leveling Feet**, Tapped Type with Vibration Dampening Pad



**GN 342.2**  
**Steel Leveling Feet**, Threaded Stud Type with Vibration Dampening Pad



**AVLM**  
**"ANTI-VIBE™" Anti-Vibration Leveling Mounts**, Tapped Socket Type



**AVM**  
**"ANTI-VIBE™" Anti-Vibration Leveling Mounts**, Threaded Stud Type



**MAVLM**  
**"ANTI-VIBE™" Anti-Vibration Leveling Mounts**, Tapped Socket Type



**MAVM**  
**"ANTI-VIBE™" Anti-Vibration Leveling Mounts**, Threaded Stud Type



**LP 100**  
**Zinc Plated Steel Low Profile Leveling Mounts**, Threaded Stud Type



**SS** Stainless Steel  
**LP 100.1**  
**Stainless Steel Low Profile Leveling Mounts**, Threaded Stud Type



**GN 6311.4**  
**Steel Leveling Feet**, with or without Plastic Base Cap



**GN 40**  
**Steel Leveling Feet**, Threaded Stud or Tapped, Plain or with Plastic Cup or Rubber Pad



**SS** Stainless Steel  
**GN 42**  
**Steel Leveling Feet with Fixing Lug**, Threaded Stud or Tapped, Plain Base or with Plastic Cup or Rubber Pad

Leveling Feet

Continued



**SS** Stainless Steel  
**GN 41**  
**Stainless Steel Leveling Feet**, Threaded Stud or Tapped, Plain or with Plastic Cup or Rubber Pad, Multiple Versions



**SS** Stainless Steel  
**GN 41**  
**Stainless Steel Leveling Feet**, Threaded Stud or Tapped, Plain or with Plastic Cup or Rubber Pad, Multiple Versions



**SS** Stainless Steel  
**GN 43**  
**Stainless Steel Leveling Feet with Fixing Lug**, Threaded Stud, Plain or with Plastic Cup or Rubber Pad, Multiple Versions



**SS** Stainless Steel  
**GN 43**  
**Stainless Steel Leveling Feet with Fixing Lug**, Threaded Stud or Tapped, Plain or with Plastic Cup or Rubber Pad, Multiple Versions



**GN 30**  
**Steel Leveling Mounts**, with Tapped Socket or Threaded Stud and Rubber Pad



**SS** Stainless Steel  
**GN 31**  
**Stainless Steel Leveling Feet**, with Rubber Inlay / for Sanitary Applications, Multiple Versions



**SS** Stainless Steel  
**GN 31**  
**Stainless Steel Leveling Feet**, with Rubber Inlay / for Sanitary Applications, Multiple Versions



**GN 32**  
**Steel Leveling Mounts**, with Threaded Stud, Lag Bolt and Rubber Pad



**SS** Stainless Steel  
**GN 33**  
**Stainless Steel Leveling Mounts**, with Lag Bolt Lug and Rubber Pad Inlay, Multiple Versions



**SS** Stainless Steel  
**GN 33**  
**Stainless Steel Leveling Mounts**, with Lag Bolt Lug and Rubber Pad Inlay, Multiple Versions



**SS** Stainless Steel  
**GN 21**  
**Stainless Steel Leveling Feet**, with Turned Base, without Mounting Bores, Multiple Versions



**SS** Stainless Steel  
**GN 23**  
**Stainless Steel Leveling Feet**, with Turned Base and Mounting Bores, Multiple Versions



**GN 638**  
**Steel Grub Screw and Plastic Thrust Pad Assemblies**



**SS** Stainless Steel  
**GN 638**  
**Stainless Steel Grub Screws**, with Plastic or Stainless Steel Thrust Pad Assemblies



**GN 343.3**  
**Steel Tapped Type Technopolymer Plastic Base Leveling Mounts**, with or without Rubber Pad



**GN 343.4**  
**Steel Stud Type Technopolymer Plastic Base Leveling Mounts**, with or without Rubber Pad



**SS** Stainless Steel  
**GN 343.7**  
**Stainless Steel Tapped Type Technopolymer Plastic Base Leveling Mounts**, with or without Rubber Pad



**SS** Stainless Steel  
**GN 343.8**  
**Stainless Steel Stud Type Technopolymer Plastic Base Leveling Mounts**, with or without Rubber Pad



**PM 200**  
**Steel PolyMount™ Leveling Mounts**, Threaded Stud Type



**WN 9000**  
**Steel Tapped Type "NY-LEV" Nylon Base Leveling Mounts**, with Lag Bolt Holes



**WN 9000**  
**Steel Stud Type**  
**"NY-LEV®" Nylon Base**  
**Leveling Mounts, with Lag**  
**Bolt Holes**



**SS** Stainless Steel  
**WN 9000.1**  
**Stainless Steel Tapped**  
**Type "NY-LEV®" Nylon**  
**Base Leveling Mounts,**  
**with Lag Bolt Holes**



**SS** Stainless Steel  
**WN 9000.1**  
**Stainless Steel Stud Type**  
**"NY-LEV®" Nylon Base**  
**Leveling Mounts, with Lag**  
**Bolt Holes**



**WN 9100**  
**Steel Tapped Type**  
**"NY-LEV®" Nylon Base**  
**Leveling Mounts, without**  
**Lag Bolt Holes**



**WN 9100.1**  
**Steel Stud Type**  
**"NY-LEV®" Nylon Base**  
**Leveling Mounts, without**  
**Lag Bolt Holes**



**SS** Stainless Steel  
**WN 9100.1**  
**Stainless Steel Tapped**  
**Type "NY-LEV®" Base**  
**Leveling Mounts, without**  
**Lag Bolt Holes**



**SS** Stainless Steel  
**WN 9100.1**  
**Stainless Steel Stud Type**  
**"NY-LEV®" Nylon Base**  
**Leveling Mounts, without**  
**Lag Bolt Holes**



**PM 500**  
**Steel PolyMount™**  
**Leveling Mounts, Tapped**  
**Type**



**PM 500**  
**Steel PolyMount™**  
**Leveling Mounts, Threaded**  
**Stud Type**



**SS** Stainless Steel  
**PM 500.1**  
**Stainless Steel**  
**PolyMount™ Leveling**  
**Mounts, Tapped Type**



**SS** Stainless Steel  
**PM 500.1**  
**Stainless Steel**  
**PolyMount™ Leveling**  
**Mounts, Threaded Stud**  
**Type**



**PM 600**  
**Steel Teardrop**  
**PolyMount™ Leveling**  
**Mounts, Threaded Stud**  
**Type**



**SS** Stainless Steel  
**PM 600.1**  
**Stainless Steel Teardrop**  
**PolyMount™ Leveling**  
**Mounts, Threaded Stud**  
**Type**



**EN 244**  
**Steel Stud Type**  
**Technopolymer Plastic**  
**Base Leveling Mounts, with**  
**or without Rubber Pad**



**GN 839**  
**Steel Leveling Foot, Plastic**  
**Base and Threaded Stud**



**SS** Stainless Steel  
**GN 839.5**  
**Stainless Steel Leveling**  
**Foot, Plastic Base and**  
**Threaded Stud**



**GN 339**  
**Steel Leveling Mounts,**  
**with Gliding or Non-Skid**  
**Plastic Pad**



**SS** Stainless Steel  
**GN 339**  
**Stainless Steel Leveling**  
**Mounts, with Gliding or**  
**Non-Skid Plastic Pad**



**IIG**  
**Steel Glide-Rite™**  
**Industrial Glides, Threaded**  
**Stud Type with Nylon Pad**



**IIG-EL**  
**Steel Glide-Rite™**  
**Industrial Glides, Threaded**  
**Stud with Elastomer Pad**

Leveling Feet

Continued



**MIG**  
**Steel Glide-Rite™**  
**Industrial Glides**, Threaded  
Stud Type with Nylon Pad



**MIG-EL**  
**Steel Glide-Rite™**  
**Industrial Glides**, Threaded  
Stud Type with Elastomer  
Pad



**SN 946**  
**Steel Willi Glide Leveling**  
**Mounts**, Threaded Stud  
Type with Elastomer Pad



**SN 974**  
**Steel Rattle Mounts**,  
Threaded Stud with Optional  
Slot



**SN 949**  
**Steel Hex Leveler Bolts**,  
Threaded Stud



**EN 248**  
**Steel Stud Type Leveling**  
**Feet**, with Vibration  
Dampening Pad



**MM 110**  
**"Mighty Mount™" Heavy**  
**Duty Vibration Mounts**,  
Threaded Stud Type



**GN 148**  
**Threaded Insert Type**  
**Leveling Feet**, with  
Vibration Dampening Pad



**GN 148.2**  
**Rubber Pads**, for GN 148  
Leveling Feet

3.4

Accessories



**GN 349**  
**Steel Threaded Mounting**  
**Plates**, for Leveling Mounts



**GN 992**  
**Aluminum Threaded Tube**  
**Inserts**, Round or Square  
Type



**SS** Stainless  
Steel  
**GN 992.5**  
**Stainless Steel Threaded**  
**Tube Inserts**, Round or  
Square Types



**EN 348**  
**Plastic Threaded Tube**  
**Ends**, Square Fit Type with  
Press-Fit Insert



**EN 458**  
**Plastic Threaded Tube**  
**Ends**, Round Type with  
Molded-In Insert



**EN 448S**  
**Plastic Threaded Tube**  
**Ends**, Square Type with  
Molded-In Insert



**EN 448R**  
**Plastic Threaded Tube**  
**Ends**, Round Type with  
Molded-In Insert



**SN 992**  
**Polyglass Filled Nylon**  
**Threaded Tube Ends**, for  
Square Tubes

Series beginning with the "EN" title represent **elesa** Original Design Products



SN 993  
**Polyglass Filled Nylon  
Threaded Tube Ends, for  
Round Tubes**

Lifting Eye  
Bolts / Lifting  
Eye Nuts



DIN 580  
**Steel Lifting Eye Bolts**



SS Stainless Steel  
DIN 580  
**A2 Stainless Steel Lifting  
Eye Bolts**



SS Stainless Steel  
DIN 580  
**A4 Stainless Steel Lifting  
Eye Bolts**



WN 580  
**Steel Lifting Eye Bolts**



DIN 582  
**Steel Lifting Eyes**



SS Stainless Steel  
DIN 582  
**A2 Stainless Steel Lifting  
Eyes**



SS Stainless Steel  
DIN 582  
**A4 Stainless Steel Lifting  
Eye Bolts**



WN 583  
**Steel Lifting Eye Nuts**



GN 581  
**Steel Safety Swivel Lifting  
Eye Bolts**



SS Stainless Steel  
GN 581.5  
**Stainless Steel Safety  
Swivel Lifting Eye Bolts**



GN 583  
**Steel Safety Swivel Lifting  
Eye Nuts**



GN 5860  
**Steel Safety Swivel Load  
Rings**

Load Rings /  
Lifting Pins



GN 586  
**Steel Safety Swivel Load  
Rings**



GN 587  
**Steel Weldable Load Rings**



GN 589  
**Steel Weldable Lifting  
Points**



GN 588  
**Steel Thread Adapters,  
for Safety Swivel GN 581,  
Lifting Eye Bolts, and GN  
586 Load Rings**

Shackles



GN 584  
Steel D Shackles



GN 585  
Steel Bow Shackles

Lifting Pins



GN 1130  
Steel Lifting Pins



SS Stainless Steel  
GN 1130  
Stainless Steel Lifting Pins



GN 1132  
Stainless Steel Holding Bushings, for GN 1130 Lifting Pins

Vibration / Shock Absorption Mounts



GN 351.1  
Vibration Isolation Mounts, Cylindrical Type with Steel Components



GN 351.2  
Vibration Isolation Mounts, Cylindrical Type with Steel Components



GN 351.3  
Vibration Isolation Mounts, Cylindrical Type with Steel Components



GN 351  
Vibration Isolation Mounts, Cylindrical Type with Steel Components



SS Stainless Steel  
GN 451.1  
Vibration Isolation Mounts, Cylindrical Type with Stainless Steel Components



SS Stainless Steel  
GN 451.2  
Vibration Isolation Mounts, Cylindrical Type with Stainless Steel Components



SS Stainless Steel  
GN 451.3  
Vibration Isolation Mounts, Cylindrical Type with Stainless Steel Components



SS Stainless Steel  
GN 451  
Vibration Isolation Mounts, Cylindrical Type with Stainless Steel Components



SS Stainless Steel  
GN 352.1  
Vibration / Shock Absorption Mounts, Cylindrical Type with Steel Components



SS Stainless Steel  
GN 352.2  
Vibration / Shock Absorption Mounts, Cylindrical Type with Steel Components



GN 352  
Vibration / Shock Absorption Mounts, Cylindrical Type with Steel Components



GN 452.1  
Vibration / Shock Absorption Mounts, Cylindrical Type with Steel Components



**SS** Stainless Steel  
**GN 452.2**  
**Vibration / Shock Absorption Mounts,**  
 Cylindrical Type with Stainless Steel Components



**SS** Stainless Steel  
**GN 452**  
**Vibration / Shock Absorption Mounts,**  
 Cylindrical Type with Stainless Steel Components



**GN 353.1**  
**Vibration / Shock Absorption Mounts,**  
 Conical Type with Steel Components



**GN 353.2**  
**Vibration / Shock Absorption Mounts,**  
 Conical Type with Steel Components



**GN 353**  
**Vibration / Shock Absorption Mounts,**  
 Conical Type with Steel Components



**SS** Stainless Steel  
**GN 453.1**  
**Vibration / Shock Absorption Mounts,**  
 Conical Type with Stainless Steel Components



**SS** Stainless Steel  
**GN 453.2**  
**Vibration / Shock Absorption Mounts,**  
 Conical Type with Stainless Steel Components



**SS** Stainless Steel  
**GN 453**  
**Vibration / Shock Absorption Mounts,**  
 Conical Type with Stainless Steel Components



**SS** Stainless Steel  
**GN 454**  
**Rubber Buffers,** with Stainless Steel Retaining Washer



**GN 253**  
**Vibration / Shock Absorption Mounts,**  
 Conical Type with Flat End, with Steel Components, Tapped Hole



**GN 253**  
**Vibration / Shock Absorption Mounts,**  
 Conical Type with Flat End, with Steel Components, Threaded Stud



**SS** Stainless Steel  
**GN 254**  
**Vibration / Shock Absorption Mounts,**  
 Conical Type with Flat End, with Stainless Steel Components, Tapped Hole



**SS** Stainless Steel  
**GN 254**  
**Vibration / Shock Absorption Mounts,**  
 Conical Type with Flat End, with Stainless Steel Components, Threaded Stud



**SS** Stainless Steel  
**GN 256**  
**Silicone Buffers,** Conical Type with Flat End, with Stainless Steel Components, Tapped Hole



**SS** Stainless Steel  
**GN 256**  
**Silicone Buffers,** Conical Type with Flat End, with Stainless Steel Components, Threaded Stud



**GN 806**  
**Protective Caps,** for Hex Cap Screws or with Hex Tapped Insert

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# 3.5 Controlling, Venting, Sealing of Liquids and Gases

- Oil Sight Glasses
- Oil Level Indicators
- Threaded Plugs / Sealing Plugs
- Oil Drain Valves
- Breather Filters / Breather Valves
- Accessories
- O-Rings and Seals



## Oil Sight Glasses



**GN 743**  
**Aluminum Fluid Level Sight Glasses**, with Natural Glass and Resistant up to 212° F (100° C)



**GN 743**  
**Aluminum Fluid Level Sight Glasses** Black Anodized, with ESG Glass and Resistant up to 356° F (180° C)



**GN 743.1**  
**Aluminum Fluid Level Sight Glasses**, with ESG Glass and Resistant up to 356° F (180° C)



**GN 743.1**  
**Aluminum Fluid Level Sight Glasses**, Black Anodized, with ESG Glass and Resistant up to 356° F (180° C)



**GN 743.2**  
**Brass Fluid Level Sight Glasses**, with Natural Glass, Resistant up to 212 degrees F (100 Degrees C)



**GN 743.3**  
**Brass Fluid Level Sight Glasses**, with ESG Glass, Resistant up to 356° F (180° C)



**SS** Stainless Steel  
**GN 743.4**  
**Stainless Steel Fluid Level Sight Glasses**, with Natural Glass, Resistant up to 212 degrees F (100 degrees C)



**SS** Stainless Steel  
**GN 743.5**  
**Stainless Steel Fluid Level Sight Glasses**, with ESG Glass Resistant up to 356° F (180° C)



**GN 743.6**  
**Aluminum / ESG Glass Fluid Level Sight Glasses**, ATEX Explosion Protection



**GN 743.7**  
**Brass Fluid Level Sight Glasses**, with Natural Glass and, BSPT, or NPT Threads



**GN 743.8**  
**Brass Fluid Level Sight Glasses**, with ESG Glass and BSPT, or NPT Threads



**GN 744**  
**Aluminum Fluid Level Sight Glasses**, with Prismatic Reflector

## 3.5 Controlling, Venting, Sealing of Liquids and Gases



**TLT**  
**Plastic Oil Level Sight Glasses**, with Synthetic Rubber Gasket Seal



**EN 541**  
**Crystal-Clear Plastic Fluid Level Sight Glasses**, with or without Reflector



**EN 541.2**  
**Plastic Prismatic Fluid Level Sight Glasses**, with sealing Ring



**GN 541.3**  
**Crystal Clear Plastic Prismatic Oil Level Sight Glasses**, with recessed Sealing Ring



**EN 546**  
**Technopolymer Plastic Dome-Shaped Fluid Level Sight Glasses**, Resistant up to 212° F (100° C)



**EN 546.1**  
**Technopolymer Plastic Dome-Shaped Fluid Level Sight Glasses**, Resistant up to 212° F (100° C)



**EN 543.2**  
**Plastic Fluid Level Sight Glasses**, with and without Contrast Screen



**EN 543.3**  
**Plastic Fluid Level Sight Glasses**, with Prismatic Reflector



**EN 543.4**  
**Plastic Fluid Level Sight Glasses**, with Prismatic Reflector and Resistant up to 284° F (140° C)



**EN 542**  
**Plastic Fluid Level Sight Glasses**, Press-Fit



**EN 545.2**  
**Plastic Fluid Level Sight Glasses**, Press-Fit



**GN 537**  
**Aluminum Fluid Level Sight Glasses**, with Limit Indicator



**GN 537.1**  
**Pin Keys**, for Installation of GN 537



**EN 546.6**  
**Dome Shaped Plastic Fluid Level Sight Glasses**, ATEX Explosion Protection



**EN 543.6**  
**Plastic Fluid Level Sight Glasses**, with and without Contrast Screen, ATEX Explosion Protection

### Oil Level Indicators



**EN 650**  
**Plastic Column Fluid Level Indicators**, Alcohol Resistant



**EN 650**  
**Plastic Column Fluid Level Indicators**



**EN 650.1**  
**Plastic Column Level Indicators**



**EN 650.2**  
**Fluid Level Indicators**, with Protective Housing

Series beginning with the "EN" title represent **elesa** Original Design Products

Oil Level Indicators

Continued



EN 650.4  
**Plastic Narrow Shape Fluid Level Indicators**



EN 650.3  
**Oil Level Indicators, with Electrical Oil Leveling Monitoring**



EN 650.6  
**Oil Level Indicators, with Electrical Temperature Monitoring**



EN 652  
**Oil Level Indicators, MIN Level and MAX Temperature**



EN 650.5  
**Plastic Fluid Level Indicators, with Electrical Oil Level and Temperature Monitoring**



EN 650.8  
**Plastic Fluid Level Indicators, with Temperature Sensor**



EN 654  
**Fluid Level Indicators**



EN 654.1  
**Plastic Fluid Level Indicators, with High Chemical Resistance**



EN 654.2  
**Assembly Sets, for Electrical Oil Level Control**



EN 651  
**Plastic Oil Level Indicators, Long Version**



EN 848  
**Plastic Float Switches, for Liquid Level Monitoring**

Threaded Plugs/ Sealing Plugs

3.5



EN 745  
**Plastic Oil Plugs, with Flat NBR Seal**



EN 745.2  
**Plastic Oil Plugs, with O-Ring**



EN 745.1  
**Aluminum Plain Label Disks, for Oil Plugs**



EN 747.1  
**Aluminum Label Disks, with Refill Symbol**



EN 740.1  
**Aluminum Label Disks, with Drain Symbol**



EN 745.6  
**Plastic ATEX-Threaded Plugs**



EN 740  
**Red Plastic Oil Drain Plugs, with "DIN" Drain Symbol**



EN 747  
**Plastic Oil Fill Plugs, with or without Dipstick**

Series beginning with the "EN" title represent **elesa** Original Design Products

### 3.5 Controlling, Venting, Sealing of Liquids and Gases



**GN 741**  
**Aluminum Fill / Drain Plugs**, with "DIN" Fill and Drain Symbols and NBR Seal



**GN 741**  
**Aluminum Threaded Plugs**, with and without Symbols and Resistant up to 212° F (100° C), Black Anodized



**GN 742**  
**Aluminum Fill / Drain Plugs**, with "DIN" Fill and Drain Symbols, Viton Seal



**GN 742**  
**Threaded Plugs**, with and without Symbols, Viton Seal, Aluminum and Resistant up to 356° F (180° C), Black Adonized



**GN 738**  
**Aluminum Magnetic Threaded Plugs**, with NBR Seal



**GN 738**  
**Aluminum Magnetic Threaded Plugs**, NBR Sealing and Resistant up to 212° F (100° C), Black Adonized



**GN 738.1**  
**Aluminum Magnetic Threaded Plugs**, with Viton Seal



**GN 738.1**  
**Aluminum Magnetic Plugs**, Viton Sealing and Resistant up to 356° F (180° C), Black Adonized



**EN 554**  
**Aluminum Magnetic Plugs**



**GN 749**  
**Steel Threaded Pipe Plugs**, Zinc Plated with NBR Synthetic Rubber Seal



**DIN 906**  
**Steel Threaded Plugs**, with Tapered Thread



**SS** Stainless Steel  
**DIN 906**  
**Stainless Steel Threaded Plugs**, with Tapered Thread



**DIN 908**  
**Steel Zinc Plated Threaded Pipe Plugs**, with or without Copper or Aluminum Sealing Washers



**DIN 7603**  
**Copper or Aluminum Sealing Washers**, for Use With DIN 908 Threaded Plugs



**EN 746**  
**Technopolymer Plastic Hexagon Socket Threaded Pipe Plugs**, with NBR Synthetic Rubber Seal



**GN 441**  
**Aluminum Threaded Plugs**, with Finger Grip and NBR Seal



**GN 442**  
**Aluminum Threaded Plugs**, with Finger Grip and Viton Seal



**EN 548.2**  
**Plastic Plugs**



**EN 548.1**  
**Plastic Oil Plugs**, with or without Dipstick



**TAO / TCA**  
**Nylon Plastic Oil Plugs**, with Dipstick

Series beginning with the "EN" title represent **elesa** Original Design Products

Threaded  
Plugs/ Sealing  
Plugs

Continued



**EN 556**  
**Breather Caps**, with Open / Close Breather / Ventilation Function



**EN 748**  
**Push-Fit Plastic Oil Plugs**, with or without Dipstick

Oil Drain Valves



**GN 880.1**  
**Connector Pieces**, for GN 880 Oil Drain Valves



**GN 880.1**  
**Connector Pieces**, for GN 880 Oil Drain Valves



**GN 880**  
**Steel or Brass Oil Drain Valves**

Breather Filters / Breather Valves



**EN 552**  
**Plastic Filler Breathers**, with or without Splash Guard



**EN 552.6**  
**Plastic Filler Breather Caps**, with or without Dipstick, ATEX Explosion Protection



**EN 552.1**  
**Plastic Filler Breathers**, with Sealing Washer



**EN 663**  
**Filler Breathers**, with or without Splash Guard and Dipstick

3.5



**EN 774**  
**Plastic Filler Breathers**, with or without Dipstick



**EN 774.1**  
**Plastic Filler Breather Caps**, with Membrane



**TA1-2**  
**Plastic Oil Plug**, with Breather



**TA3-7**  
**Plastic Filler Breathers**



**EN 775**  
**Plastic Filter Breather Caps**, Vandalism Proof



**EN 764**  
**Steel, Chrome Plated, Filler Breather Caps**, with Filter and Double Valve



**GN 881**  
**Brass Breather Valves**



**GN 883**  
**Brass Breather Valves**

Series beginning with the "EN" title represent **elesa** Original Design Products

## 3.5 Controlling, Venting, Sealing of Liquids and Gases



**GN 882**  
**Brass Breather Filters**



**GN 884**  
**Brass Breather Filters**



**GN 7403**  
**Aluminum Breather Strainers, with Stainless Steel Mesh**



**SS** Stainless Steel  
**GN 7403**  
**Stainless Steel Breather Strainers, with Stainless Steel Mesh**



**SS** Stainless Steel  
**GN 7405**  
**Stainless Steel Strainer Fittings**



**SS** Stainless Steel  
**GN 7403.1**  
**Stainless Steel Strainers**



**GN 543.1**  
**Brass Thin Hex Nuts, for Oil Level Sight Glasses**



**GN 7490**  
**Steel Weld Bushings, with or without Collar**

### Accessories



**EN 664.1**  
**Side Installation Filler Strainer Units, with or without Bayonet**



**EN 664**  
**Vertical Installation Filler Strainer Units, with or without Bayonet**

### O-Rings and Seals



**OR 638**  
**Nitrile-Butadiene-Rubber O-Rings**



**V-Rings**  
**Metric V-Rings**



**Oil Seals**  
**Metric Oil Seals, with or without Dust Lip**

For complete technical information, CAD models and online buying, visit [www.jwwinco.com](http://www.jwwinco.com)

Series beginning with the "EN" title represent **elesa**® Original Design Products

# 3.6 Moving, Transferring, Connecting with Shafts and Joints

- Universal Joints
- Universal Joint Shafts
- Rod Ends
- Fork Joints / Fork Heads
- Angled Ball Joints
- Ball Joints
- Quick-Fit Couplings



## Universal Joints



**DIN 808**  
**Steel Universal Joints**, with Friction Bearing, Single or Double Jointed



**SS** Stainless Steel  
**DIN 808**  
**Stainless Steel Universal Joints**, with Friction Bearing, Single or Double Jointed



**DIN 808**  
**Steel Universal Joints**, with Needle Bearing, Single or Double Jointed



**GN 9080**  
**Steel Universal Joints**, Light duty, Friction Bearing, Single or Double Jointed



**GN 808.1**  
**Neoprene Rubber or Elastomer Plastic Bellows**, for Universal Joints

3.6

## Universal Joint Shafts



**GN 808.2**  
**Steel Universal Joint Shafts**, with Friction Bearing



**GN 808.3**  
**Steel Universal Joint Shafts**, with Needle Bearing

#### Rod Ends



**GN 648.1 / GN 648.2**  
Steel Rod End Bearings, Tapped Type or Threaded Stem



**WN 648**  
Steel Self-Lubricating Rod End Bearings, with Threaded Stem



**WN 648**  
Steel Self-Lubricating Rod End Bearings, Tapped Type



**SS** Stainless Steel  
**GN 648.5 / GN 648.6**  
Stainless Steel Rod End Bearings, Tapped Type or Threaded Stem



**GXSW**  
Steel Spherical Plain Bearings, Series "K"



**SS** Stainless Steel  
**GLRSW**  
Stainless Steel Spherical Plain Bearings, Series "K"

#### Fork Joints / Fork Heads



**GN 751**  
Steel Clevis Fork Joints, with Circlip or Snap-On Securing Collar



**DIN 71752**  
Steel Clevis Fork Joints, Plain Fork Type



**SS** Stainless Steel  
**GN 751**  
Stainless Steel Clevis Fork Joints, with Safety Retaining Ring



**SS** Stainless Steel  
**DIN 71752**  
Stainless Steel Clevis Fork Joint, Plain Fork Joint



**WN 751**  
Steel Clevis Fork Joints, with Snap-On Spring Pin



**SS** Stainless Steel  
**WN 751**  
Stainless Steel Clevis Fork Joints, with Safety Retaining Ring



**GN 751**  
Aluminum Clevis Fork Joints, with Pin and Safety Retaining Clip



**DIN 71752**  
Aluminum Clevis Fork Joints, without Pin



**GN 751.1**  
Fork Joints, with Revolving Pin



**GN 752**  
Steel Joint Pieces, Used with Fork Heads DIN 71752 and Fork Joints GN 751



**SS** Stainless Steel  
**GN 752**  
Stainless Steel Joint Pieces, Use with Fork Heads DIN 71752 and Fork Joints GN 751

Angled Ball Joints



**DIN 71802**  
**Angled Ball Joints**, with Threaded Ball Shank



**DIN 71802**  
**Angled Ball Joints**, with Rivet Ball Shank



**SS** Stainless Steel  
**DIN 71802**  
**Stainless Steel Angled Ball Joints**, with Threaded Ball Shank



**GN 710**  
**Dust Caps**, for Angled Ball Joints DIN 71802

Ball Joints



**GN 782**  
**Steel Axial Ball Joints**, with Tapped Holes or Threaded Studs for Mounting



**GN 784**  
**Aluminum Mounting Clamps**, with Swivel Ball Joint



**SS** Stainless Steel  
**GN 784.1**  
**Stainless Steel Flanges**, for GN 784 Mounting Clamps with Swivel Ball Joint

Quick-Fit Couplings



**GN 240**  
**Steel Quick-Fit Couplings**, with Radial Off-Set Compensation



**GN 240.1**  
**Steel Quick-Fit Couplings**, with Radial Off-Set Compensation



**GN 240.2**  
**Steel Quick-Fit Couplings**, with Angle- and Radial Off-Set Compensation

For complete technical information, CAD models and online buying, visit [www.jwwinco.com](http://www.jwwinco.com)



Steel Universal Joints, with Friction Bearing DIN 808 → Page 116  
Stainless Steel Universal Joints, with Friction Bearing DIN 808 → Page 116  
Steel Universal Joints, with Needle Bearing DIN 808 → Page 116  
Steel Light duty Universal Joints, with Friction Bearing GN 9080 → Page 116  
Neoprene Rubber or Elastomer Plastic Bellows, for Universal Joints GN 808.1 → Page 116

# 3.7 Connecting, Assembling with Clamping and Connecting Elements

Tube Clamp Connectors  
Conveyor Clamps, Knobs & Block Accessories  
Conveyor Brackets, Mounts & Bases  
Tube Expander Fittings  
Flange and Pillow Block Bearings  
Clamp Mountings (Aluminum)  
Other Connecting Elements  
Tubes / Rods



## Tube Clamp Connectors



**GN 131**  
**Aluminum Two-Way Connector Clamps**



**SS** Stainless Steel  
**GN 131**  
**Stainless Steel Two-Way Connector Clamps**



**GN 132**  
**Aluminum Two-Way Connector Clamps**



**SS** Stainless Steel  
**GN 132.5**  
**Stainless Steel Two-Way Connector Clamps**



**GN 133**  
**Aluminum Two-Way Connector Clamps**



**GN 134**  
**Aluminum Split Assembly Two-Way Connector Clamps, with Round or Square Bore**



**GN 135**  
**Aluminum Multi-Part Assembly Two-Way Connector Clamps, with Unequal Bore Dimensions**



**GN 141**  
**Aluminum Multi-Part Assembly Flanger Two-Way Connector Clamps, with Round or Square Bore**



**GN 145**  
**Aluminum Flanged Connector Clamps**



**SS** Stainless Steel  
**GN 145**  
**Stainless Steel Flanged Connector Clamps**



**GN 146**  
**Aluminum Flanged Connector Clamps**



**GN 146.3**  
**Aluminum Flanged Connector Clamps**



**SS** Stainless Steel  
**GN 146.5**  
**Stainless Steel Flanged Connector Clamps**, with Four Mounting Holes



**SS** Stainless Steel  
**GN 146.6**  
**Stainless Steel Flanged Connector Clamps**, with Two Mounting Holes



**GN 147**  
**Aluminum Split Assembly Flanged Connector Clamps**, with Round or Square Bore



**GN 162**  
**Aluminum Base Plate Connector Clamps**



**SS** Stainless Steel  
**GN 162**  
**Stainless Steel Base Plate Connector Clamps**



**GN 162.3**  
**Aluminum Base Plate Connector Clamps**



**SS** Stainless Steel  
**GN 162.3**  
**Stainless Steel Base Plate Connector Clamps**



**GN 163**  
**Aluminum Base Plate Connector Clamps**



**SS** Stainless Steel  
**GN 163.5**  
**Stainless Steel Base Plate Connector Clamps**



**GN 165**  
**Aluminum Base Plate Connector Clamps**



**GN 166**  
**Aluminum Off-Set Base Plate Connector Clamps**



**GN 167**  
**Aluminum Split Assembly Wide Base Plate Connector Clamps**



**GN 171**  
**Aluminum Split Assembly Flanged Base Plate Connector Clamps**



**GN 191**  
**Aluminum T-Angle Connector Clamps**



**SS** Stainless Steel  
**GN 191**  
**Stainless Steel T-Angle Connector Clamps**



**GN 192**  
**Aluminum T-Angle Connector Clamps**



**SS** Stainless Steel  
**GN 192.5**  
**Stainless Steel T-Angle Connector Clamps**



**GN 193**  
**Aluminum Split Assembly T-Angle Connector Clamps**



**GN 194**  
**Aluminum Multi-Part Assembly T-Angle Connector Clamps**



**GN 195**  
**Aluminum Multi-Part Assembly T-Angle Connector Clamps**

Tube Clamp  
Connectors

Continued



**GN 196**  
Aluminum Angle  
Connector Clamps



**GN 231**  
Aluminum Split Assembly  
Tube Supports



**GN 241**  
Aluminum Split Assembly  
Tube Connector Joints



**GN 242**  
Aluminum Tube  
Connectors



**GN 271**  
Aluminum Swivel Clamp  
Connector Bases



**GN 272**  
Aluminum Swivel Clamp  
Connector Bases



**GN 273**  
Aluminum Swivel Clamp  
Connectors, Round Bore  
Type



**GN 274**  
Aluminum Swivel Clamp  
Connectors, Round Bore  
Type



**GN 275**  
Aluminum Swivel Clamp  
Connectors, Round Bore  
Type



**GN 276**  
Aluminum Swivel Clamp  
Connectors, Round Bore  
Type



**GN 277**  
Aluminum Swivel Clamp  
Connectors, Round Bore  
Type



**GN 278**  
Aluminum Swivel Clamp  
Connectors, Round Bore  
Type



**GN 279**  
Aluminum Split Assembly  
Swivel Clamp Connectors,  
Round Bore Type



**GN 281**  
Aluminum Swivel Clamp  
Connector Joints



**GN 282**  
Aluminum Swivel Clamp  
Connector Joints



**GN 283**  
Aluminum Swivel Clamp  
Connector Joints



**GN 284**  
Aluminum Swivel Clamp  
Connector Joints



**GN 285**  
Aluminum Swivel Clamp  
Connector Joints



**GN 286**  
Aluminum Swivel Clamp  
Connector Joints



**GN 287**  
Aluminum Swivel Clamp  
Connector Joints

### 3.7 Connecting, Assembling with Clamping and Connecting Elements



**GN 288**  
Aluminum Swivel  
Clamp Connector Joints



**GN 289**  
Aluminum Split Assembly  
Swivel Clamp Connector  
Joints



**GN 271.4**  
Aluminum Sensor Holders



**GN 272.4**  
Aluminum Sensor Holders



**GN 273.4**  
Aluminum Sensor Holders



**GN 911**  
Adjustable Clamping Lever  
Kits



**SS** Stainless  
Steel  
**GN 911.3**  
Stainless Steel Adjustable  
Lever Clamping Kits, for  
Connector Clamps

### Conveyor Clamps, Knobs & Block Accessories



**WN 600**  
Plastic Cross Blocks, for  
Square or Round Tubes,  
with or without Adjustable  
Levers



**AN 700**  
Plastic Cross Blocks, Base  
Style



**AN 605**  
Plastic Clamps, for  
Photocell



**AN 600**  
Plastic Clamps, for  
Photocell or Reflector



**SS** Stainless  
Steel  
**WN 760**  
Stainless Steel Adjusting  
Rods, Blank Type



**SS** Stainless  
Steel  
**WN 761**  
Stainless Steel Adjusting  
Rods, with Groove



**SS** Stainless  
Steel  
**WN 762**  
Stainless Steel Adjusting  
Rods, Tapped and Milled  
Flats Type



**SS** Stainless  
Steel  
**WN 764**  
Stainless Steel Adjusting  
Rods, Milled Flats Type



**AN 505**  
Plastic Single Clamps, with  
Adjusting Rod for Conical  
Side Guide Rails



**AN 500**  
Plastic Single Clamps, for  
Conical Side Guide Rails



**AN 520**  
Plastic Double Guide Rail  
Clamps



**AN 522**  
Plastic Double Guide Rail  
Clamps

Conveyor  
Clamps, Knobs  
& Block  
Accessories

Continued



**AN 524**  
**Plastic Double Guide Rail Clamps**



**AN 5662**  
**Plastic Star Knob, with Nickel Plated Brass Hexagon Hub, Tapped Type**



**AN 5662**  
**Plastic Star Knob, with Nickel Plated Brass Hexagon Hub, Stud Type**



**AN 5670**  
**Plastic Clamping Heads, with Threaded Eye Bolt Top Side**



**AN 5671**  
**Plastic Clamping Heads, with Threaded Eye Bolt Bottom Side**



**SS** Stainless Steel  
**AN 5672**  
**Nickel-Plated Brass or Stainless Steel Clamping Heads, for Clamping Knob or Screw**

Conveyor  
Brackets,  
Mounts &  
Bases



**AN 400**  
**Plastic Side Brackets**



**AN 410**  
**Plastic Adjustable Side Brackets, with Four-Prong Knob**



**AN 420**  
**Plastic Adjustable Side Brackets, with Four-Prong Knob**



**AN 425**  
**Plastic Adjustable Side Brackets, with Four-Prong Knob, with or without Positioning Lip**



**AN 310**  
**Plastic Support Heads, Square Base**



**AN 315**  
**Plastic Support Heads, Square Support Base**



**AN 300**  
**Plastic Support Heads, Rectangular Base**



**AN 305**  
**Plastic Support Heads, Square Base**



**AN 210**  
**Plastic Side Mount Brackets**



**AN 200**  
**Plastic Side Mount Brackets**



**AN 205**  
**Plastic Side Mount Brackets**



**AN 250**  
**Plastic Connection Joints**



**SS** Stainless Steel  
**AN 260**  
**Stainless Steel Connection Joints**



**AN 115**  
**Plastic Bipod Support Bases**



**AN 120**  
**Plastic Bipod Support Bases, with Round Connection Joint**



**AN 100**  
**Plastic Tripod Support Bases**

Tube Expander Fittings



**AN 350**  
**Plastic Tube Expander Fittings**



**AN 351**  
**Plastic Tube Expander Fittings**



**AN 352**  
**Plastic Tube Expander Fittings**



**AN 354**  
**Plastic Tube Expander Fittings**



**AN 355**  
**Plastic Angled Construction Tubing Joints**

Flange and Pillow Block Bearings



**AN 7870**  
**Plastic and Steel Square Flange Bearing**



**SS** Stainless Steel  
**AN 7870.1**  
**Stainless Steel Square Square Flange Bearing**



**AN 7872**  
**Plastic and Steel Oval Flange Bearing**



**SS** Stainless Steel  
**AN 7872.1**  
**Stainless Steel Oval Flange Bearing**



**AN 7876**  
**Plastic and Steel Mini-Oval Flange Bearing**



**AN 7874**  
**Plastic and Steel Pillow Block Flange Bearing**



**SS** Stainless Steel  
**AN 7874.1**  
**Stainless Steel Pillow Block Flange Bearing**

Clamp Mountings  
(Aluminum)



**GN 473**  
Aluminum Two-Way Base Connector Mini-Clamps



**GN 477**  
Aluminum Mini-Clamp Mounting Blocks



**GN 474**  
Aluminum Two-Way Connector Mini-Clamps



**GN 474.1**  
Aluminum Parallel Clamp Mountings



**GN 475**  
Aluminum Adjustable Two-Way Connector Mini-Clamps



**GN 476**  
Aluminum T-Clamp Mountings



**GN 478**  
Aluminum Connector Mini-Clamps, for Sensor Brackets



**GN 480**  
Steel Flanged Bolts



**GN 490**  
Aluminum Adjustable Two-Way Clamping Joints



**GN 485**  
Aluminum Swivel Clamp Connector Bases



**GN 482**  
Aluminum Swivel Clamp Joints



**GN 483**  
Aluminum T-Swivel Clamps Mountings



**GN 484**  
Aluminum Attachment Clamp Mountings



**SS** Stainless Steel  
**GN 480.7**  
Stainless Steel Hose Adapters



**GN 480.8**  
Thread Adapters



**GN 511**  
Adjustable Clamping Lever Kits, for Mini-Clamps



**GN 511.1**  
Adjustable Clamping Lever Kits, for Swivel Clamp Joints, Metric Size



**SS** Stainless Steel  
**GN 479**  
Stainless Steel Sensor Brackets



**SS** Stainless Steel  
**GN 479.1**  
Stainless Steel Plain L-Shaped Mounting Brackets

#### Other Connecting Elements



**EN 561**  
**Plastic Angle Brackets**



**EN 561**  
**Plastic Angle Brackets**



**GN 961**  
**Aluminum Angle Brackets**, for Aluminum Profile Systems 30 / 40



**GN 960**  
**Aluminum Angle Brackets**, for Aluminum Profile Systems 30 / 40 / 45



**GN 963**  
**Cover Caps**, for Angle Brackets for Aluminum Profile Systems



**GN 967**  
**Steel Flat and Angled Connecting Brackets**



**GN 970**  
**Steel Angled Connecting Brackets**, Equal Sides



**GN 970**  
**Steel Angled Connecting Brackets**, Unequal Sides



**GN 3490**  
**Steel Threaded Flanges**, for Profile Systems



**EN 649**  
**Plastic Panel Support Clamp**



**EN 649.1**  
**Adapter Kits**, for Panel Support Clamps GN 649 to be Mounted to Round Tubes

#### Tubes / Rods



**GN 480.1**  
**Aluminum Hollow Square Tubing**



**SS** Stainless Steel  
**GN 480.1**  
**Stainless Steel Solid Round Shafts and Hollow Round Tubing**



**GN 990**  
**Aluminum or Steel Round or Square Construction Tubings**, for Tube Clamp Connectors



**SS** Stainless Steel  
**GN 990**  
**Stainless Steel Round or Square Construction Tubings**, for Tube Clamp Connectors



**GN 991**  
**Round or Square Tube End Plugs**, for Construction Tubings



**WN 991**  
**Round or Square Tube End Plugs**, for Construction Tubings

Series beginning with the "EN" title represent **elesa** Original Design Products

# 3.8 Adjusting, Moving with Guides, Spindles and Ball Rollers

Linear Slides  
Linear Guide Rail Systems  
Adjustable Slide Units  
Linear Actuators / Linear Actuator Connectors  
Roller Rail Assemblies  
Ball Transfer Units / Guide Rollers



## Linear Slides



**GN 2402**  
**Steel Linear Slides**, with no Extension



**GN 2404**  
**Steel Telescopic Linear Slides**, with Partial Extension



**GN 2406**  
**Steel Telescopic Linear Slides**, S-Shaped with One Slide Extension



**GN 2408**  
**Steel Telescopic Linear Slides**, with H-Shaped Rail



**GN 2410**  
**Steel Telescopic Linear Slides**, Dual Configuration with Full Extension

## 3.8 Linear Guide Rail Systems



**GN 2422**  
**Steel Cam Roller Linear Guide Rails**, for C-Profile Cam Roller Linear Guide Systems



**GN 2424**  
**Aluminum or Steel Cam Roller Carriages**, for GN 2422 Cam Roller Guide Rails



**GN 2424.1**  
**Open-end Wrenches**, for Cam Roller Carriages



**GN 2426**  
**Steel Cam Rollers**, for GN 2422 Cam Roller Linear Guide Rails and Cam Roller Carriages



**GN 2428**  
**Wipers for Linear Guide**  
**Rails, for GN 2422 Cam**  
**Roller Guide Rail**

#### Adjustable Slide Units



**GN 900**  
**Aluminum Adjustable Slide**  
**Units**



**GN 900.1**  
**Aluminum Fastening Units**



**GN 900.2**  
**Aluminum Connecting**  
**Sets X-Y**



**GN 900.3**  
**Aluminum Connecting**  
**Sets X-Z**



**GN 900.4**  
**Aluminum Mounting Plates**



**GN 900.5**  
**Aluminum Rotary Plates**



**GN 900.6**  
**Steel Rotary Tables**

#### Linear Actuators / Linear Actuator Connectors



**SS** Stainless Steel  
**GN 291**  
**Stainless Steel Linear**  
**Actuators, with Left or**  
**Right Hand Thread**



**GN 292**  
**Steel Linear Actuators,**  
**with Left or Right Hand**  
**Thread**



**SS** Stainless Steel  
**GN 293**  
**Steel or Stainless Steel**  
**Linear Actuators, with Two**  
**Separate Threaded Shafts**



**GN 131.1**  
**Aluminum Linear Actuator**  
**Two-Way Connector**  
**Clamps, for Single Linear**  
**Actuator System**



**SS** Stainless Steel  
**GN 131.1**  
**Stainless Steel Linear**  
**Actuator Two-Way**  
**Connector Clamps, for**  
**Single Linear Actuator**  
**System**



**GN 131.2**  
**Aluminum Linear Actuator**  
**Two-Way Connector**  
**Clamps, for Two-Way**  
**Linear Actuator System**



**SS** Stainless Steel  
**GN 131.2**  
**Stainless Steel Linear**  
**Actuator Two-Way**  
**Connector Clamps, for**  
**Two-Way Linear Actuator**  
**System**



**GN 132.1**  
**Aluminum Linear Actuator**  
**Two-Way Connector**  
**Clamps, for Single Linear**  
**Actuator System**

Adjusting, Moving with Guides, Spindles and Ball Rollers

Linear Actuators / Linear Actuator Connectors

Continued



**GN 132.2**  
**Aluminum Linear Actuator Two-Way Connector Clamps**, for Two-Way Linear Actuator System



**GN 145.1**  
**Aluminum Flanged Linear Actuator Connectors**



**SS** Stainless Steel  
**GN 145.1**  
**Stainless Steel Flanged Linear Actuator Connectors**



**GN 146.1**  
**Aluminum Flanged Linear Actuator Connectors**



**GN 162.1**  
**Aluminum Base Plate Linear Actuator Connectors**



**SS** Stainless Steel  
**GN 162.1**  
**Stainless Steel Base Plate Linear Actuator Connectors**



**GN 163.1**  
**Aluminum Base Plate Linear Actuator Connectors**



**GN 191.1**  
**Aluminum T-Angle Linear Actuator Connectors**



**SS** Stainless Steel  
**GN 191.1**  
**Stainless Steel T-Angle Linear Actuator Connectors**



**GN 192.1**  
**Aluminum T-Angle Linear Actuator Connectors**



**GN 273.1**  
**Aluminum Swivel Clamp Linear Actuator Connectors**



**GN 274.1**  
**Aluminum Swivel Clamp Linear Actuator Connectors**



**GN 291.1**  
**Steel Square Linear Actuators**, with Left or Right Hand Thread



**GN 134.1**  
**Aluminum Linear Actuator Connectors**, Split Assembly



**GN 135.1**  
**Aluminum Linear Actuator Connectors**



**GN 147.1**  
**Aluminum Linear Actuator Connectors**



**GN 165.1**  
**Aluminum Linear Actuator Connectors**, Split Assembly



**GN 923.18 / GN 923.30 / GN 923.40**  
**Aluminum Flat-Faced Solid Disk Handwheels**, for Linear Actuators / Transfer Units



**GN 924.40 / GN 924.50 / GN 924.60**  
**Aluminum Flat-Faced Spoked Handwheels**, for Linear Actuators / Transfer Units



**GN 295**  
**Installation Kits**, for Position Indicators used on Linear Actuators



**GN 296**  
**Square Linear Actuator Installation Kits,** for Position Indicators Used on GN 291.1



**SS** Stainless Steel  
**GN 391**  
**Steel or Stainless Steel Drive / Transfer Units**



**GN 297**  
**Steel Bevel-Gear Wheels,** with Spiral Bevel for Linear Actuators / Transfer Units



**GN 298**  
**Aluminum Housings,** for Angular / T-Gears



**GN 299**  
**Longitudinal Scales,** for Linear Actuators



**GN 491**  
**Steel Double Tube Linear Actuators,** with Right Hand Thread, Single Slider



**GN 492**  
**Steel Double Tube Linear Actuators,** with Right Hand Thread, Double Slider



**GN 491.1**  
**Steel Installation Kits,** for Position Indicators used on Linear Actuators GN 491 / GN 492

#### Roller Rail Assemblies



**AN 813**  
**Roller Guide Adjusting Rods**



**AN 815**  
**45 mm Roller Guides**



**AN 817**  
**70 mm Roller Guides**



**AN 819**  
**96 mm Roller Guides**



**AN 821**  
**120 mm Roller Guides**

#### Ball Transfer Units / Guide Rollers



**SS** Stainless Steel  
**GN 509**  
**Steel and Stainless Steel Ball Transfer Units**



**SS** Stainless Steel  
**GN 509.1**  
**Steel and Stainless Steel Heavy Duty Ball Transfer Units**



**SS** Stainless Steel  
**GN 509.3**  
**Spring Retainers,** for Ball Transfer Units



**GN 509.4**  
**Steel Heavy Duty Ball Transfer Units,** without Flange

Ball Transfer  
Units / Guide  
Rollers

Continued



GN 753  
**Guide Rollers**, with and  
without Threaded Stem

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Steel Linear Actuators GN 292 → Page 129  
Steel or Stainless Linear Actuators GN 293 → Page 129  
Longitudinal Scales, for Linear Actuators GN 299 → Page 131  
Stainless Steel Flanged Linear Actuator Connectors GN 145.1 → Page 130  
Aluminum Flanged Linear Actuator Connectors GN 146.1 → Page 130

# 3.9 Holding with Magnets

Retaining Magnets, Disk-Shaped  
Retaining Magnets, Rod-Shaped  
Button-Type Magnets / U-Magnets  
Magnets  
Screws with Retaining Magnet  
Raw Magnets  
Accessories



## Retaining Magnets, Disk-Shaped



**GN 50.1**  
**Retaining Magnets**, without Thread



**GN 50.3**  
**Retaining Magnets**, with Threaded Stud



**GN 50.2**  
**Retaining Magnets**, with Female Thread



**GN 50.6**  
**Retaining Magnets**, with Hook / With Eyelet



**SS** Stainless Steel  
**GN 50.25**  
**Stainless Steel Retaining Magnets**, with Female Thread



**GN 50.4**  
**Retaining Magnets**, with Bore



**GN 50.4**  
**Retaining Magnets**, with Female Thread



**SS** Stainless Steel  
**GN 50.45**  
**Stainless Steel Retaining Magnets**, with Bore



**GN 50.5**  
**Steel Retaining Magnets**, with Female Thread



**GN 58**  
**Pot Magnets**, with Bore



**GN 51.5**  
**Retaining Magnets**, with Female Thread and Rubber Jacket



**GN 51.4**  
**Retaining Magnets**, with Bore and Rubber Jacket

## 3.9 Holding with Magnets



**GN 51.2**  
**Retaining Magnets**, with  
Female Thread and Rubber  
Jacket



**GN 51.6**  
**Retaining Magnets**, with  
Two Female Threads and  
Rubber Jacket



**GN 51.3**  
**Retaining Magnets**, with  
Threaded Stud and Rubber  
Jacket

### Retaining Magnets, Rod-Shaped



**GN 54.1**  
**Brass Retaining Magnets**,  
Smooth Finish



**GN 52.1**  
**Retaining Magnets**,  
Smooth Finish



**GN 52.2**  
**Retaining Magnets**, with  
Female Thread



**GN 52.3**  
**Retaining Magnets**, with  
Female Thread



**GN 52.4**  
**Retaining Magnets**, with  
Stud



**GN 52.5**  
**Stainless Steel Retaining  
Magnets**, with Protective  
Rubber Cover

### Button-Type Magnets / U-Magnets



**GN 60**  
**Button-Type Magnets**, with  
Bore



**GN 62**  
**U-Magnets**, with Bore

### Magnets



**GN 53.1**  
**Magnets**, with Plastic  
Housing



**GN 51.7**  
**Magnets**, with Rubber  
Jacket and Ball Knob / Key  
Ring

Screws with Retaining Magnet



**GN 251.6**  
**Steel Setting Bolts**, with Retaining Magnet



**GN 913.6**  
**Steel Set Screws**, with Retaining Magnet

Raw Magnets



**GN 55.1**  
**Disk-Shaped Raw Magnets**, with Bore or Countersunk Hole



**GN 55.2**  
**Disk-Shaped Raw Magnets**



**GN 55.3**  
**Rod-Shaped Raw Magnets**



**GN 55.4**  
**Block-Shaped Raw Magnets**

Accessories



**GN 56**  
**Retaining Magnets**, for Profile Systems



**GN 70**  
**Steel Magnet Holding Disks**, for Retaining Magnets



**SS** Stainless Steel  
**GN 70**  
**Stainless Steel Magnet Holding Disks**, for Retaining Magnets



**GN 70.1**  
**Steel Adhesive Disks**, Self-Adhesive

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Retaining Magnets, Disc-Shaped → Page 134  
Retaining Magnets, Rod-Shaped → Page 134

# 3.10 Rolling, Transporting with Casters and Wheels

Steel Bracket  
Stainless Steel Bracket  
Wheels  
Custom Application



## Steel Bracket



**LER-TPA**  
**Zinc Plated Steel Swivel Caster**, with Thermoplastic Rubber Wheel and Bolt Hole Mounting, Light Duty Bracket Series



**LRA-TPA**  
**Zinc Plated Steel Light Duty Swivel Casters**, with Thermoplastic Rubber Wheels and Bolt Hole Mounting, Light Duty Bracket Series



**LKRA-TPA**  
**Zinc Plated Steel Light Duty Swivel Casters**, with Thermoplastic Rubber Wheels and Bolt Hole Mounting, Light Duty Bracket Series



**LPA-TPA**  
**Zinc Plated Steel Light Duty Swivel Casters**, with Thermoplastic Rubber Wheels with Mounting Plate, Light Duty Bracket Series



**LKPA-TPA**  
**Zinc Plated Steel Light Duty Swivel Casters**, with Thermoplastic Rubber Wheels with Mounting Plate, Light Duty Bracket Series



**LMDA-TPA**  
**Steel Light Duty Twin Wheel Swivel Casters**, with Thermoplastic Rubber Wheels and Bolt Hole Mounting, Light Duty Bracket Series



**LDA-TPA**  
**Zinc Plated Steel Light Duty Twin Wheel Swivel Casters**, with Thermoplastic Rubber Wheel with Mounting Plate, Light Duty Bracket Series



**LRA-VPA**  
**Zinc Plated Steel Swivel Casters**, with Gray Rubber Wheel and Bolt Hole Mounting, Light Duty Bracket Series



**LKRA-VPA**  
**Zinc Plated Steel Light Duty Swivel Casters**, with Gray Rubber Wheel and Bolt Hole or Threaded Stud Mounting, Light Duty Bracket Series



**LPA-VPA**  
**Zinc Plated Steel Light Duty Swivel Casters**, with Gray Rubber Wheel and Plate Mounting, Light Duty Bracket Series



**LKPA-VPA**  
**Zinc Plated Steel Light Duty Swivel Casters**, with Gray Rubber Wheel with Mounting Plate, Light Duty Bracket Series



**LMDA-VPA**  
**Zinc Plated Steel Medium Duty Twin Wheel Swivel Casters**, with Gray Rubber Wheels and Bolt Hole Mounting, Light Duty Bracket Series

### 3.10 Rolling, Transporting with Casters and Wheels



**LDA-VPA**  
Zinc Plated Steel Twin Wheel Swivel Casters, with Gray Rubber Wheels with Mounting Plate, Light Duty Bracket Series



**LRA-POA**  
Zinc Plated Steel Swivel Casters, with Black Nylon Wheel and Bolt Hole or Threaded Stud Mounting, Light Duty Bracket Series



**LKRA-POA**  
Zinc Plated Steel Swivel Casters, with Black Nylon Wheel and Bolt Hole Mounting, Light Duty Bracket Series



**LPA-POA**  
Zinc Plated Steel Swivel Casters, with Black Nylon Wheel and Plate Mounting, Light Duty Bracket Series



**LMDA-POA**  
Zinc Plated Steel Twin Wheel Swivel Casters, with Black Nylon Wheels and Bolt Hole Mounting, Light Duty Bracket Series



**LDA-POA**  
Zinc Plated Steel Twin Wheel Swivel Casters, with Black Nylon Wheels with Mounting Plate, Light Duty Bracket Series



**LRA-VSTH**  
Zinc Plated Steel Light Duty Swivel Caster, with Extrathane® Wheel and Bolt Hole Mounting, Light Duty Bracket Series



**B-RD**  
Zinc Plated Steel Medium Duty Fixed Casters, with Black Rubber Wheel with Mounting Plate, Medium Duty Bracket Series



**L-RD**  
Zinc Plated Heavy Pressed Steel Medium Duty Swivel Casters, with Black Rubber Wheel with Mounting Plate, Medium Duty Bracket Series



**B-PO**  
Zinc Plated Steel Medium Duty Fixed Casters, with Nylon Wheel and Mounting Plate, Medium Duty Bracket Series



**L-PO**  
Zinc Plated Steel Medium Duty Swivel Casters, with Nylon Wheel with Mounting Plate, Medium Duty Bracket Series



**B-POEV**  
Zinc Plated Pressed Steel Medium Duty Fixed Casters, with Rubber Wheel with Mounting Plate, Medium Duty Bracket Series



**L-POEV**  
Zinc Plated Steel Medium Duty Swivel Casters, with Rubber Wheel with Mounting Plate, Medium Duty Bracket Series



**B-PATH**  
Zinc Plated Steel Medium Duty Fixed Casters, with Polyurethane Wheel with Mounting Plate, Medium Duty Bracket Series



**BH-POTH**  
Zinc Plated Steel Medium Duty Casters, with Polyurethane Wheel with Mounting Plate, Medium Heavy Duty Bracket Series



**BK-POTH**  
Zinc Plated Steel Medium Duty Fixed Casters, with Polyurethane Wheel with Mounting Plate, Medium Heavy Duty Bracket Series



**LE-PATH**  
Zinc Plated Steel Medium Duty Swivel Casters, with Polyurethane Wheel with Mounting Plate, Medium Duty Bracket Series



**LER-PATH**  
Zinc Plated Steel Medium Duty Swivel Casters, with Polyurethane Wheel and Bolt Hole Mounting, Medium Duty Bracket Series



**LK-POTH**  
Zinc Plated Steel Medium Duty Swivel Casters, with Polyurethane Wheel with Mounting Plate, Medium Heavy Duty Bracket Series



**B-POW**  
Zinc Plated Pressed Steel Fixed Casters, with Nylon Wheel with Mounting Plate, Medium Duty Bracket Series

Steel Bracket

Continued



**LER-POW**  
**Zinc Plated Pressed Steel Swivel Casters**, with Nylon Wheel and Bolt Hole Mounting, Medium Duty Bracket Series



**L-POW**  
**Zinc Plated Pressed Steel Swivel Casters**, with Nylon Wheel with Mounting Plate, Medium Duty Bracket Series



**B-ALST**  
**Pressed Aluminum Fixed Casters**, with Softhane® Polyurethane Wheel with Mounting Plate, Medium Duty Bracket Series



**BH-ALST**  
**Pressed Steel Fixed Casters**, with Softhane® Polyurethane Wheel with Mounting Plate, Medium Heavy Duty Bracket Series



**BK-ALST**  
**Pressed Steel Fixed Casters**, with Softhane® Polyurethane Wheel with Mounting Plate, Medium Heavy Duty Bracket Series



**L-ALST**  
**Pressed Aluminum Swivel Casters**, with Softhane® Polyurethane Wheel with Mounting Plate, Medium Duty Bracket Series



**LK-ALST**  
**Pressed Steel Swivel Casters**, with Softhane® Polyurethane Wheel with Mounting Plate, Medium Heavy Duty Bracket Series



**B-ALTH**  
**Steel Medium Duty Fixed Casters**, with Extrathane® Polyurethane Wheel with Mounting Plate, Medium Duty Bracket Series



**L-ALTH**  
**Steel Medium Duty Swivel Casters**, with Extrathane® Polyurethane Wheel with Mounting Plate, Medium Duty Bracket Series



**LH-ALTH**  
**Steel Heavy Duty Swivel Casters**, with Extrathane® Polyurethane Wheel with Mounting Plate, Heavy Duty Bracket Series



**L-G**  
**Zinc Plated Steel Medium Duty Swivel Casters**, with Cast Iron Wheel and Mounting Plate, Medium Duty Bracket Series



**LH-ALEV**  
**Zinc Plated Steel Heavy Duty Swivel Casters**, with Rubber Wheel with Mounting Plate, Heavy Duty Bracket Series



**LH-SPO**  
**Heavy Duty Swivel Casters**, with White Nylon Wheel and Mounting Plate, Heavy Duty Bracket Series



**LS-SPO**  
**Steel Heavy Duty Swivel Casters**, with White Nylon Wheel with Mounting Plate, Heavy Duty Bracket Series



**LH-GSPO**  
**Steel Medium Duty Swivel Casters**, with Cast Nylon Wheel and Plate Mounting, Heavy Duty Bracket Series

Stainless Steel Bracket



**SS** Stainless Steel  
**LKRXA-TPA**  
**Stainless Steel Light Duty Swivel Casters**, with Thermoplastic Rubber Wheels and Bolt Hole Mounting, Light Duty Bracket Series



**SS** Stainless Steel  
**LKRXA-PATH**  
**Stainless Steel Swivel Casters**, with Thermoplastic Polyurethane Wheel and Bolt Hole Mounting, Light Duty Bracket Series



**SS** Stainless Steel  
**LKPXA-TPA**  
**Stainless Steel Light Duty Swivel Casters**, with Thermoplastic Rubber Wheels with Mounting Plate, Light Duty Bracket Series



**SS** Stainless Steel  
**LEX-PO**  
**Stainless Steel Swivel Casters**, with Nylon Wheel with Mounting Plate, Medium Duty Bracket Series

### 3.10 Rolling, Transporting with Casters and Wheels



**SS** Stainless Steel  
**LEX-POTH**  
**Stainless Steel Swivel Casters**, with Polyurethane Treaded Wheel, with Mounting Plate, Medium Duty Bracket Series



**SS** Stainless Steel  
**LKX-SPO**  
**Stainless Steel Heavy Duty Swivel Casters**, with Nylon Wheel with Mounting Plate, Heavy Duty Bracket Series

#### Wheels



**P**  
**Pneumatic Wheels**, with Rubber Tread



**SPO**  
**Heavy Duty Wheels**, with Nylon Tread



**HPO**  
**Pallet Truck Rollers**, with Nylon Tread



**ALST**  
**Heavy Duty Wheels**, with Softhane® Polyurethane Tread



**HTH**  
**Heavy Duty Wheels**, with Extrathane® Polyurethane Tread



**GTH**  
**Pallet Truck Rollers**, with Extrathane® Polyurethane Tread



**SPK**  
**Heavy Duty Cast Iron Flanged Wheels**



**DPSK**  
**Heavy Duty Steel Double Flanged Wheels**

#### Custom Application



**LWG-TPA**  
**WAVE Synthetic Swivel Casters**, with Thermoplastic Rubber Wheels, Bolt Hole Mounting, Steel Components



**SS** Stainless Steel  
**LWX-TPA**  
**WAVE Synthetic Swivel Casters**, with Thermoplastic Rubber Wheels, Bolt Hole Mounting, Stainless Steel Components



**LKDGP-UA**  
**Zinc Die Cast Twin Wheel Swivel Casters**, Nylon Rim and Polyurethane Wheel tread, with Threaded Stem



**LS-GTH**  
**Zinc Plated Steel Heavy Duty Swivel Casters**, with Extrathane® Wheel and Mounting Plate, Welded Construction Series



**LS-GSPO**  
**Zinc Plated Steel Heavy Duty Swivel Casters**, with Cast Nylon Wheel with Mounting Plate, Welded Construction Series



**B-PHN**  
**Zinc Plated Steel Heat-Resistant Medium Duty Fixed Phenolic Wheel Casters**, with Phenolic Wheel with Mounting Plate, Medium Duty Bracket Series



**LI-PHN**  
**Zinc Plated Steel Heat-Resistant Medium Duty Swivel Casters**, with Phenolic Wheel with Mounting Plate, Medium Duty Bracket Series



**HRSP-POA**  
**Steel Leveling Caster**, with Integrated Truck Lock and Top Plate for Mounting

Custom  
Application

Continued



**HRP-POA**  
**Steel Leveling Casters,**  
with Integrated Truck Lock  
and Top Plate for Mounting



**HRLK-ALTH**  
**Zinc Plated Steel Heavy**  
**Duty Leveling Casters,** with  
Extrathane® Wheel, Swivel  
Head with Mounting Plate,  
Heavy Duty Bracket Series

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Casters  
Wheels → Page 141

# 4.1 Tightening, Loosening and Adjusting with Hand Tools

Hook Spanners and Spanner Wrenches  
T-Handle and Screwdriver Grip Hexagon Keys  
L-Handle Hexagon Keys  
T-Handle and Screwdriver Grip Torx Keys  
T-Handle Wrenches and Socket Keys  
Open Ended Wrenches  
T-Slot Scrapers  
Dead Blow Hammers



## Hook Spanners and Spanner Wrenches



**DIN 1810**  
**Steel Hook Wrenches**, with  
Nose End, for Slotted Nuts  
DIN 1804



**No. 771C**  
**Steel Adjustable Hook**  
**Spanners**, with Nose End



**No. 775 C / No. 775 D**  
**Steel Hinge-Type Hook**  
**Spanners**, with Nose End



**SS** Stainless  
Steel  
**No. 775-NI**  
**Stainless Steel Hinge-Type**  
**Hook Spanners**, with Nose  
End



**No. 776C**  
**Steel Hinge-Type Hook**  
**Spanners**, with Fixed Pin



**No. 758**  
**Steel Adjustable Pin-Type**  
**Face Spanners**



**No. 764**  
**Steel Hinge-Type Pin-Face**  
**Spanners**



**DIN 3116C**  
**Steel Off-Set Pin-Type**  
**Face Spanner Wrenches**

## T-Handle and Screwdriver Grip Hexagon Keys



**No. 906 QE**  
**T-Handle Hexagon Keys**,  
with Comfortable Ergonomic  
Grip



**No. 906 Q**  
**"HANDY" T-Handle**  
**Hexagon Keys**



**No. 906**  
**Hexagon Keys**, with Flat  
Handle Grip



**No. 906 QGE**  
**T-Handle Ball-Ended**  
**Hexagon Keys**, with  
Comfortable Ergonomic  
Grip

## 4.1 Tightening, Loosening and Adjusting with Hand Tools



No. 966 QGE  
**Double Ball-Ended Hexagon Keys**, with Comfortable Ergonomic Grip



No. 906 GE  
**Ball-Ended Hexagon Keys**, with Screwdriver Grip

### L-Handle Hexagon Keys



ISO 2936 / DIN 911  
**Hexagon Keys**, Blued or Nickel Plated



DIN 6911  
**Hexagon Keys**, with Pilot



No. 908  
**L-Shaped Keys**, for Torx® Screws



ISO 2936L / DIN 911 L  
**Long Hexagon Keys**



No. 911 LG  
**Long Hexagon Keys**, with Ball End



No. 911 LG - H100F  
**Inch & Metric Size Long Hexagon Key Sets**, with Ball End



No. 909 EG7  
**Tool-Boys® Ball-Ended Hex Key Set**

### T-Handle and Screwdriver Grip Torx Keys



No. 907 LE  
**Torx® Keys**, with Comfortable Ergonomic Grip



No. 907 Q  
**T-Handle Keys**, for Torx® Screws

### T-Handle Wrenches and Socket Keys



No. 914 Q  
**Square Socket T-Handle Wrenches**



DIN 7417  
**Square Socket Keys**

Open Ended  
Wrenches



DIN 894  
Steel Single Open Ended  
Wrenches

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T-Slot Scrapers



No. 6485  
T-Slot Scrapers

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Dead Blow  
Hammers



RFM  
Dead-Blow Hammers and  
Replacement Faces

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No. 911 LG - H100F Inch & Metric Size Long Hexagon Key Sets, with Ball End → Page 145



## Terms and conditions

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**Freight terms:** Free ground shipping to Canada, USA and to the border of Mexico. Services requiring a higher level of service than what is standard to your state, for example next day air, with the United States will be billed collect or at actual cost, plus insurance on merchandise over \$100.00 in value. All LTL shipments will be billed collect. The risk of loss to the items (including damage or destruction thereto) passes to Buyer upon shipment. Freight terms are subject to change without notice.

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**Customer satisfaction guarantee—returns:** J.W. Winco's goal is to achieve total Buyer satisfaction. As long as standard catalog items are in good condition, Buyer can return the merchandise, within 60 days, freight prepaid, and J.W. Winco will issue full credit for the item not including freight charges. After 60 days all items will be charged a 25% minimum re-stocking fee. All returns must be approved by a J.W. Winco Sales Associate and have a return authorization number issued before the return of said goods. All returns must be returned via UPS-Ground with the return shipping charges prepaid and with reference to the J.W. Winco return authorization number and invoice number. On the return of merchandise from a foreign

country, including Mexico and Canada, J.W. Winco will not be responsible for any brokerage fees and dut fees regardless of reason for return. Modified and special order items cannot be cancelled or returned.

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**Minimum purchase:** No minimum purchase for U.S., U.S. territories, and Canada. A \$9 processing fee will be added to orders below \$50.

**Payment terms:** Visa, MasterCard and American Express accepted. For businesses with approved credit ratings -1%/10 net 30 days. All other U.S. businesses - C.O.D. until proper credit has been established. A \$35 fee will be charged for checks returned unpaid for insufficient or uncollected funds. Individuals are welcome to order from J.W. Winco; however, payment must be made by Visa, MasterCard, American Express or C.O.D. All past due accounts will be subject to a 1.5% per month service charge or 18% per annum. Foreign Buyers may pay with Visa, MasterCard, American Express, wire transfer of funds, U.S. Cashier's Check or Letter of Credit. Any bank fees under a wire transfer are the sole responsibility of the Buyer.

**Backorders:** Items temporarily out of stock may be backordered. The balance of Buyer's order will be shipped within 24 hours from the time J.W. Winco has received Buyer's backordered parts.

**Cancellation policy:** All standard stocked components can be cancelled at no charge before shipping, provided total order value is less than \$5,000.00, if greater than \$5,000 there will be a minimum 25% cancellation fee. Before shipping, all blanket orders on standard components are subject to a minimum 25% cancellation charge.

**Special order items:** Special order items of non-stock or modified parts are subject to a +/- 10% quantity shipping variance unless quoted otherwise. All special order items of non-stock or modified parts cannot be cancelled or returned.

**Specifications:** All specifications are subject to change without notice.

**General:** (a) No modification or waiver of these Terms and Conditions is valid unless expressly agreed to by J.W. Winco in writing. No waiver by J.W. Winco of any default under these Terms and Conditions is a waiver of any other or subsequent default. (b) No agreement is formed hereunder unless Buyer's order is accepted by J.W. Winco in writing. (c) The unenforceability or invalidity of one or more of the provisions of these Terms and Conditions will not affect the enforceability or validity of any other provision of these Terms and Conditions. (d) THESE TERMS AND CONDITIONS CONTEMPLATE THE COMPLETE AGREEMENT BETWEEN J.W. WINCO AND BUYER AND NO ADDITIONAL OR DIFFERENT TERMS OR CONDITIONS STATED BY BUYER SHALL BE BINDING UNLESS AGREED TO BY J.W. WINCO IN WRITING. No course of dealing, usage of trade or course of performance will be relevant to supplement

or explain any terms used in these Terms and Conditions.

(e) These Terms and Conditions are governed by and shall be construed in accordance with the Uniform Commercial Code as enacted by the State of Wisconsin.

**Business hours:** 8:00 a.m. to 5:00 p.m. Central Standard Time, Monday through Friday. Various Holiday closings are observed.

## Limited Warranty

**Limited Warranty:** All products sold, are warranted by J.W. Winco, Inc. only to purchasers for resale or for use in business or original equipment manufacture, against defects in workmanship or materials under normal use for 90 days after date of purchase from J.W. Winco, Inc. Any part which is determined by J.W. Winco to be defective in material or workmanship and returned to J.W. Winco, shipping costs prepaid, will be, as the exclusive remedy, repaired or replaced. At J.W. Winco's option the purchase price may be refunded. All returns must be pre-approved by an authorized J.W. Winco sales associate prior to return. All returns must reference the invoice number and return authorization number marked on the exterior of the package. Any damage or tampering to products resulting from improper packaging or handling will void any warranty or refunds at J.W. Winco's option.

**Limitation of liability:** The above limited warranty is in lieu of all other warranties, expressed or implied, and there are no warranties which extend beyond the face hereof. J.W. Winco will not be liable for incidental, consequential or special damages or for any loss, damage or expense arising from the sale, use or installation of the items or from any other cause whatsoever, whether based on warranty (expressed or implied) or otherwise based on contract or in tort. J.W. Winco expressly disclaims any liability for consequential and/or incidental damages for all the following, but not limited to, lost sales, lost profits and injury to person or property. J.W. Winco's liability is limited to, and shall not exceed, the purchase price of the product.

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### **J.W. Winco Inc.**

2815 S. Calhoun Rd.  
New Berlin, WI 53151-3515\*

**Phone:** 262/786-8227

800/877-8351

**Fax:** 262/786-8524

800/472-0670

**Email:** sales@jwwinco.com

### **J.W. Winco Canada Inc.**

431 Huronia Road, Units 4 & 5  
Barrie, ON L9N 4B3  
Canada

**Phone:** 800/877-8351

**Fax:** 800/472-0670

**Email:** sales@jwwinco.ca

**Web:** www.jwwinco.ca

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**800-877-8351 | www.jwwinco.com**

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