

**10** Section 10  
**Indexing, Spring  
and Ball Plungers**



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**Indexing, Ball and Spring Plungers, Thrust Pins, Quick Release and Locking Pins**

When you need to align, hold, or latch different parts of equipment together, you need a spring loaded device. These components use the force in the spring to apply pressure so that the ball or nose will remain nested in some sort of hole or other receptacle. Thus two or more elements of equipment can be aligned or fixed into a determined relative position. Indexing plungers have a beveled or rounded nose that inserts easily into an indexing receptacle. Our indexing plungers include features like cam action, lock-out or non lock-out types, threaded bodies, weldable mounting flanges, long knobs, plate mounts, ring or L-handles, and more.

Ball plungers have a ball instead of a nose, and no knob. The shallow depth of the ball allows for easy movement in and out of position, but they do not perform well with heavy loads. Our ball plungers include push-fit styles, threaded bodies, slotted heads, and more. Spring plungers have a nose designed to allow for movement when some side force is applied. In other words, it isn't necessary (or possible) to retract the nose mechanically. Consequently, these plungers are not appropriate if heavy side load is involved in the application. Our spring plungers come in a variety of sizes and nose types.

Hand-retractable spring plungers are a sort of hybrid of the two above types, and include a knob for manual retraction of the plunger. Among other things, they are used for manual or automated holding, as in workholding applications. Side thrust pins are designed for fixturing small parts and holding them in place with constant pressure. Quick release pins consist of a rod or stem, from which small side securing pins protrude. A button in the handle retracts or extends these pins so that the quick release pin can be removed or secured in place.

**Special modifications available:**  
 - threads  
 - lengths  
 - knobs  
 - spring pressure  
 - colors  
 - kitting, packaging and labeling

**Indexing, spring and ball plungers and their accessories are also referred to as:**  
 spring loaded devices, detent pins, hand retractable pins, buspring loaded pins, bspring loaded pins, button handle pins, shackle pins, locating pins, indexing pins, retracting pins, spring loaded pins, receptacles and lanyards, rapid release pins, t-handle release pins, ball chains, self-locking rapid release pins, side thrust pins, thrust pins, spring loaded shells, ball buttons, spring loaded positioning elements, hand retractable spring plungers, lock-out spring plungers, non lock-out plungers, and spacer bushings

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 Read posts about [plungers and pins](#) on the J.W. Winco blog

**Indexing Plungers and Hand Retractable Plungers**

	<a href="#">GN 612 Inch and Metric Size Steel Cam Action Indexing Plungers</a>		<a href="#">GN 612-NI Metric Size Stainless Steel Cam Action Indexing Plungers</a>		<a href="#">GN 612.8 Metric Size Zinc Die Cast Cam Action Indexing Plungers</a>		<a href="#">GN 612.9 Metric Size Zinc Die Cast Cam Action Indexing Plungers with Flange for Surface Mounting</a>		<a href="#">GN 612.10 <b>NEW</b> Metric Size Zinc Die Cast Cam Action Indexing Plungers with Flange for Surface Mounting</a>
	<a href="#">GN 612.1 Metric Size Steel Mounting Blocks for Indexing Plungers</a>		<a href="#">GN 612.1 <b>NEW</b> Metric Size Stainless Steel Mounting Blocks for Indexing Plungers</a>		<a href="#">GN 712 Metric Size Steel Cam Action Indexing Plungers. Pin Protruded Position</a>		<a href="#">GN 712.1 Metric Size Steel Cam Action Indexing Plungers. Pin Retracted Position</a>		<a href="#">GN 412 <b>NEW</b> Metric Size Zinc Die-Cast Indexing Plungers with Screw-On Flange</a>
	<a href="#">GN 412.1 Metric Size Zinc Die-Cast Mounting Blocks for Indexing Plungers</a>		<a href="#">GN 412.2 Metric Size Steel Locating Bushings for Indexing Plungers</a>		<a href="#">GN 412.3 Metric Size Steel Locating Bushings with Cone for Indexing Plungers</a>		<a href="#">GN 413 Metric Size Steel Indexing Plungers</a>		<a href="#">GN 413 Metric Size Stainless Steel Indexing Plungers</a>
	<a href="#">GN 612.2 Metric Size Steel Cam Action Indexing Plungers with Mounting Flange</a>		<a href="#">GN 612.3 Metric Size Steel Square Weldable Cam Action Indexing Plungers</a>		<a href="#">GN 612.3 <b>NEW</b> Metric Size Stainless Steel Square Weldable Cam Action Indexing Plungers</a>		<a href="#">EN 672 <b>NEW</b> Metric Size Plastic Cam Action Indexing Plungers</a>		<a href="#">GN 722.1 Metric Size Steel Square Weldable Spring Latches</a>



**GN 722.1**  
**NEW**  
Metric Size  
Stainless Steel  
Square Weldable  
Spring Latches



**GN 722.2**  
Metric Size Steel  
Square Spring  
Latches with  
Flange for Surface  
Mounting



**GN 722.3**  
Metric Size Steel  
Square Spring  
Latches with  
Flange for  
Surface  
Mounting



**GN 514**  
Metric Size Steel  
Locking Plungers  
with Push-Push  
Locking  
Mechanism



**GN 617**  
Inch and Metric  
Size Steel  
Indexing Plungers,  
Non Lock-out  
Type



**GN 617-NI**  
Inch and Metric  
Size Stainless  
Steel Indexing  
Plungers, Non  
Lock-out Type



**EN 617.2**  
**NEW**  
Metric Size Plastic  
Indexing Plungers,  
Lock-Out and Non  
Lock-Out Types



**GN 613**  
Metric Size Steel  
Indexing  
Plungers with  
Threaded Body



**GN 613-NI**  
Metric Size  
Stainless Steel  
Indexing Plungers  
with Threaded  
Body



**HRSP**  
Inch Size Steel  
Retractable Spring  
Plungers, Non  
Lock-Out Type



**HRSS**  
Inch Size Stainless  
Steel Retractable  
Spring Plungers,  
Non Lock-Out  
Type



**GN 618**  
Metric Size Steel  
Indexing Plungers  
with Unthreaded  
Body



**GN 617.1**  
Inch and Metric  
Size Steel  
Indexing  
Plungers,  
Lock-out Type



**GN 617.1-NI**  
Inch and Metric  
Size Stainless Steel  
Indexing Plungers,  
Lock-out Type



**LRSP**  
Inch Size Steel  
Retractable Spring  
Plungers, Lock-  
Out Type



**LRSS**  
Inch Size Stainless  
Steel Retractable  
Spring Plungers,  
Lock-Out Type



**GN 414**  
Metric Size Steel  
Safety Indexing  
Plungers



**GN 414**  
**NEW**  
Metric Size  
Stainless Steel  
Safety Indexing  
Plungers



**GN 414.1**  
**NEW**  
Metric Size Steel  
Safety Indexing  
Plungers with Push  
Button Click-Type  
Lock



**GN 414.1**  
**NEW**  
Metric Size  
Stainless Steel  
Safety Indexing  
Plungers with Push  
Button Click-Type  
Lock



**GN 817**  
Inch and Metric  
Size Steel  
Indexing Plungers,  
Non Lock-out  
Type



**GN 817**  
Metric Size  
Stainless Steel  
Indexing Plungers,  
Non Lock-out  
Type



**GN 817**  
Inch and Metric  
Size Steel  
Indexing  
Plungers,  
Lock-out Type



**GN 817**  
Metric Size  
Stainless Steel  
Indexing Plungers,  
Lock-out Type



**GN 817.2**  
Inch and Metric  
Size Steel  
Indexing Plungers  
with Long Knob



**GN 817.2-NI**  
Metric Size  
Stainless Steel  
Indexing Plungers  
with Long Knob



**GN 817.1**  
**NEW**  
Metric Size Steel  
Indexing Plungers  
with or without  
Rest Position



**GN 817.3**  
Metric Size Steel  
Indexing  
Plungers for  
Precision  
Locating



**GN 817.5**  
**NEW**  
Metric Size Steel  
Indexing Plungers  
for Precision  
Locating with  
Conical Plunger



**GN 172.1 /  
GN 179.1**  
**NEW**  
Metric Size Steel  
Guide Bushings  
for GN 817.5  
Indexing Plungers



**GN 817.9**  
**NEW**  
Metric Size Steel  
Indexing Plungers  
with or without  
Rest Position



**GN 817.4**  
Inch and Metric  
Size Steel  
Indexing Plungers  
with T-Handle



**GN 817.4**  
Metric Size  
Stainless Steel  
Indexing  
Plungers with T-  
Handle



**GN 817.8**  
**NEW**  
Metric Size Steel  
Indexing Plungers  
with Removable  
Pin



**GN 817.8**  
**NEW**  
Metric Size  
Stainless Steel  
Indexing Plungers  
with Removable  
Pin



**GN 816**  
Metric Size Steel  
Locking Plungers,  
in Normal Position  
Protruded



**GN 816.1**  
Metric Size Steel  
Locking Plungers,  
in Normal Position  
Retracted



**GN 607**  
Metric Size Steel  
Short Indexing  
Plungers, Non  
Lock-out Type



**GN 607-NI**  
Metric Size  
Stainless Steel  
Short Indexing  
Plungers, Non  
Lock-out Type



**GN 607.1**  
Metric Size Steel  
Short Indexing  
Plungers,  
Lock-out Type



**GN 607.1-NI**  
Metric Size  
Stainless Steel  
Short Indexing  
Plungers,  
Lock-out Type



**GN 607.2**  
Metric Size Steel  
Indexing Plungers  
for Sheet  
Metal, Non Lock-  
out Type



**GN 607.2**  
Metric Size Steel  
Indexing Plungers  
for Sheet Metal, Non  
Lock-out Type



**GN 607.9**  
**NEW**  
Double Closed  
End Wrenches for  
GN 607.2 Indexing  
Plungers



**GN 607.3**  
Metric Size Steel  
Indexing Plungers  
for Thin Walled  
Equipment,  
Lock-out Type



**GN 607.4**  
Metric Size Steel  
Indexing Plungers  
for Welding,  
without Rest  
Position



**GN 607.5**  
Metric Size Steel  
Indexing Plungers  
for Welding, with  
Rest Position



**GN 609**  
Metric Size Steel  
Spacer Bushings  
for Indexing  
Plungers



**GN 609.5**  
Metric Size  
Stainless Steel  
Spacer Bushings  
for Indexing  
Plungers



**GN 822**  
Metric Size Steel  
Mini Indexing  
Plungers, Hidden  
Locking  
Mechanism



**GN 822**  
Metric Size  
Stainless Steel  
Mini Indexing  
Plungers, Hidden  
Locking  
Mechanism



**GN 822.1**  
Metric Size Steel  
Mini Indexing  
Plungers, Open  
Locking  
Mechanism



**GN 822.1**  
Metric Size  
Stainless Steel  
Mini Indexing  
Plungers,  
Open Locking  
Mechanism



**GN 822.6**  
Inch and Metric  
Size Steel Mini  
Indexing Plungers,  
Hidden Locking  
Mechanism



**GN 822.7**  
Inch and Metric  
Size Stainless  
Steel Mini  
Indexing Plungers,  
Hidden Locking  
Mechanism



**GN 822.7**  
**NEW**  
Inch and Metric  
Size All Stainless  
Steel Mini  
Indexing Plungers,  
Hidden Locking



**GN 822.8**  
Metric Size Steel  
Indexing Plungers  
with  
Plate Mount



**GN 608**  
Metric Size  
Indexing  
Plungers, Steel  
Plunger Pin,  
Plate Mount,  
Non Lock-out  
Type



**GN 608.5**  
Metric Size  
Indexing Plungers,  
Stainless Steel  
Plunger Pin, Plate  
Mount, Non Lock-  
out Type



**GN 608.1**  
Metric Size  
Indexing Plungers,  
Steel Plunger Pin,  
Plate Mount,  
Lock-out Type

Mechanism



GN 608.6  
Metric Size  
Indexing Plungers,  
Stainless Steel  
Plunger Pin, Plate  
Mount, Lock-out  
Type



GN 717  
Inch and Metric  
Size Steel, Zinc-  
Plated Indexing  
Plungers



GN 717-NI  
Inch and Metric  
Size Stainless  
Steel Indexing  
Plungers,  
Economy  
Version



GN 416  
**NEW**  
Metric Size Zinc  
Die-Cast Indexing  
Plunger Latch  
Mechanisms with  
or without Rest  
Position



GN 416.1  
**NEW**  
Metric Size Zinc  
Die-Cast Locators  
for GN 416  
Indexing Plunger  
Latch Mechanisms



GN 417  
Metric Size Zinc  
Die-Cast Indexing  
Plunger Latch  
Mechanisms  
without Rest  
Position



GN 417  
**NEW**  
Metric Size Zinc  
Die-Cast Indexing  
Plunger Latch  
Mechanisms with  
Rest Position



GN 417.1  
**NEW**  
Metric Size Steel  
Locators for GN  
417 Indexing  
Plungers



GN 909  
Metric Size Steel  
Flat Hexagon Nuts  
for Indexing  
Plungers



GN 909.5  
Metric Size  
Stainless Steel Flat  
Hexagon Nuts for  
Indexing Plungers



SPRP  
Inch Size Steel  
Stubby Hand  
Retractable Spring  
Plungers, Non  
Lock-Out Type



WN 717.10  
Inch Size Stainless  
Steel Stubby Hand  
Retractable Spring  
Plungers, Non  
Lock-Out Type



PRP  
Inch Size Steel  
Hand Retractable  
Spring Plungers,  
Lock-Out Type