



11 Section 11 Jig, Fixture and Fastening Components

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Cam Units, Retaining Magnet Assemblies, Set Screws, T-Nuts, Spherical Washers, Swing Bolts, Lifting Eye Bolts and Nuts



Our jig & fixture section features products designed for fastening, fixing and workholding. Cam units and cam levers are used for quick clamping and release. Retaining magnet assemblies provide a simple, no-wear means of holding an object via magnetic forces. Toggle and thrust pads swivel to allow automatic seating against the surface of the workpiece. Serrated locking plates allow for components to be interlocked and set at a defined angle.

Solid, split and two-piece set collars function as grips on rods. Leveling sets are used for leveling and linking operations, and are offered in a number of different designs to accommodate a variety of applications. Ball transfer units are typically used to enable linear or rotary movement on conveyor tracks. Our offering of load rings (also called hoist rings) and lashing products offer extraordinary safety features.

In this fixture components section you will also find a great variety of set screws, bolts, nuts, screws, drill bushing and locating pins, and washers in both steel and stainless steel. We also offer a selection of forked, goose neck, and plain clamps for use in workholding.

Special modifications available:
- kitting, packaging and labeling

Download a [printable pdf of this section index page](#)
More about our [machining and packaging capacities](#)
Read posts about [fasteners](#) on the J.W. Winco blog

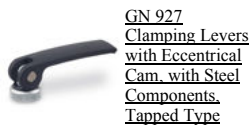
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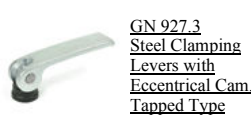
Cam Units and Cam Levers



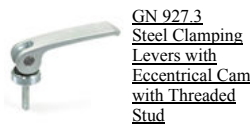
[GN 927 Clamping Levers with Eccentric Cam, with Steel Components, Tapped Type](#)



[GN 927 Clamping Levers with Eccentric Cam, with Steel Components, with Threaded Stud](#)



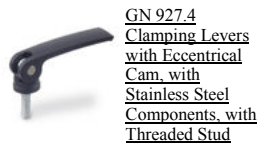
[GN 927.3 Steel Clamping Levers with Eccentric Cam, Tapped Type](#)



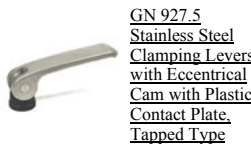
[GN 927.3 Steel Clamping Levers with Eccentric Cam, with Threaded Stud](#)



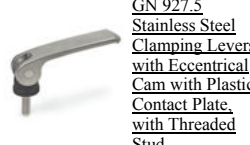
[GN 927.4 Clamping Levers with Eccentric Cam, with Stainless Steel Components, Tapped Type](#)



[GN 927.4 Clamping Levers with Eccentric Cam, with Stainless Steel Components, with Threaded Stud](#)



[GN 927.5 Stainless Steel Clamping Levers with Eccentric Cam with Plastic Contact Plate, Tapped Type](#)



[GN 927.5 Stainless Steel Clamping Levers with Eccentric Cam with Plastic Contact Plate, with Threaded Stud](#)



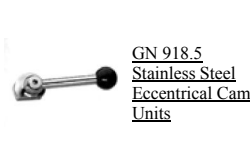
[GN 927.7 Stainless Steel Clamping Levers with Eccentric Cam with Stainless Steel Contact Plate, Tapped Type](#)



[GN 927.7 Stainless Steel Clamping Levers with Eccentric Cam with Stainless Steel Contact Plate, with Threaded Stud](#)



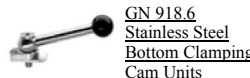
[GN 918 Steel Eccentric Cam Units](#)



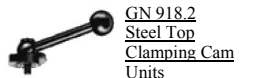
[GN 918.5 Stainless Steel Eccentric Cam Units](#)



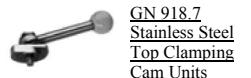
[GN 918.1 Steel Bottom Clamping Cam Units](#)



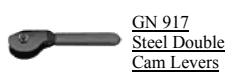
[GN 918.6 Stainless Steel Bottom Clamping Cam Units](#)



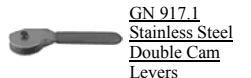
[GN 918.2 Steel Top Clamping Cam Units](#)



[GN 918.7 Stainless Steel Top Clamping Cam Units](#)



[GN 917 Steel Double Cam Levers](#)



[GN 917.1 Stainless Steel Double Cam Levers](#)

Download the info sheet about our clamping levers with eccentric cams

Clamp it, fast and easy.
The Quick Release Clamping Levers from J.W. Winco, Inc.

1. Available in stainless steel and steel.
2. Available in tapped type and with threaded stud.
3. Available in standard and heavy duty.
4. Available in standard and heavy duty.
5. Available in standard and heavy duty.

Contact us today to discuss your application requirements!
J.W. WINCO, INC. www.jwwinco.com



GN 919
Hubs with
Eccentric Cam



GN 928
Shaft Clamping
Units



GN 411.2
Centering Bore
Clamps

Retaining Magnet Assemblies



GN 50.1
Retaining Magnet
Assemblies
without Thread,
Steel



GN 50.3
Retaining Magnet
Assemblies with
Threaded Stud,
Steel



GN 50.2
Retaining Magnet
Assemblies with
Threaded
Bushing, Steel



GN 50.25
Retaining Magnet
Assemblies with
Threaded
Bushing,
Stainless Steel



GN 50.4
Retaining Magnet
Assemblies with
Thru Hole, Steel



GN 50.45
Retaining Magnet
Assemblies with
Thru Hole,
Stainless Steel



GN 50.5
Retaining Magnet
Assemblies with
Threaded
Bushing, Steel



GN 58
Pot Magnet
Assemblies with
Thru Hole, Steel



GN 51.2
Retaining Magnet
Assemblies with
Threaded Bushing
and Rubber
Jacket, Steel



GN 51.5
Retaining Magnet
Assemblies with
Internal Thread
and Rubber Jacket,
Steel



GN 51.3
Retaining Magnet
Assemblies with
Threaded Stud
and Rubber
Jacket, Steel



GN 51.4
Retaining Magnet
Assemblies with
Thru Hole and
Rubber Jacket,
Steel



GN 51.6
Retaining
Magnet
Assemblies with
Two Internal
Threads and
Rubber Jacket,
Steel



GN 51.7
Retaining Magnet
Assemblies with
Ball Knob or Key
Ring with Rubber
Jacket, Steel



GN 52.1
Retaining Magnet
Assemblies, Rod-
Shaped, with
Smooth Finish,
Steel



GN 54.1
Retaining Magnet
Assemblies, Rod-
Shaped, with
Smooth Finish,
Brass



GN 52.2
Retaining Magnet
Assemblies, Rod-
Shaped, with
Internal Thread,
Steel



GN 52.3
Sandwich
Magnet
Assemblies,
Rod-Shaped,
with Internal
Thread, Steel



GN 52.4
Retaining Magnet
Assemblies, Rod-
Shaped, with
Stud, Steel



GN 52.5
Retaining Magnet
Assemblies, Rod-
Shaped, with Stud,
Stainless Steel



GN 53.1
Retaining Magnet
Assemblies, Disk-
Shaped, Plastic
Housing



GN 55.1
Steel Disk-
Shaped Raw
Magnets with
Bore or
Countersunk
Thru Hole



GN 55.2
Steel Solid
Disk-Shaped
Raw Magnets



GN 55.3
Steel Rod-Shaped
Raw Magnets



GN 55.4
Steel Solid Block-
Shaped Raw
Magnets



GN 70
Steel Magnet
Holding Disks



GN 70-NI
Stainless Steel
Magnet Holding
Disks



GN 60
Button Type
Magnets with
Thru Hole, Steel



GN 62
U-Shaped
Magnets with
Thru Hole, Steel



Magnetic/Hardened/Plastic/Nylon Tipped Set Screws



GN 913.2
Steel Set Screws
with Hardened
Tip



GN 913.3
Steel Set Screws
with Brass or
Nylon Tip



GN 913.5
Stainless Steel Set
Screws with
Brass or Nylon
Tip



GN 913.6
Steel Set Screws
with Retaining
Magnet



GN 933.5
Stainless Steel
Hexagon Head
Screws with
Brass or Nylon
Tip or Spherical
Point



GN 605 /
GN 605.6
Steel Socket Set
Screws with Ball
Point Ends



GN 605
Stainless Steel
Socket Set Screws
with Ball Point
Ends



GN 606
Steel Socket Head
Cap Screws with
Ball Point Ends



GN 606
Stainless Steel
Socket Head Cap
Screws with Ball
Point Ends



GN 551.1
Steel Fully
Threaded Studs



NEW
GN 551.1
Stainless Steel
Fully Threaded
Studs

Toggle and Thrust Pads



TSP /TSPS
Steel or Stainless
Steel Toggle Pads



STP
Steel Serrated
Toggle Pads



GN 346
Ball Joint Thrust
Pads



GN 347
Swivel Hexagon
Nuts with Tapped
Socket



GN 806
Protective Caps



GN 631
Plastic Thrust
Pads



GN 631.5
Stainless Steel
Thrust Pads



DIN 6311
Steel Thrust Pads



GN 6311.1
Steel Thrust Pads



GN 638 /
GN 638-NI
Steel and
Stainless Steel
Grub Screw and
Thrust Pad
Assemblies

Grub Screws, Clamping Pads and Shoulder Bolts



GN 632.1
Grub Screws with
Ball Point, Steel



GN 632.5
Grub Screws with
Ball Point,
Stainless Steel



DIN 6332
Steel Grub
Screws with
Hardened or
Unhardened Tip



KHTS
Knurled Head
Toggle Clamp
Screws



TS
Swivel Screw
Clamps



KHS
Steel and Stainless
Steel Knurled
Thumb Screws



DPHS
Steel Knurled
Head Thumb
Screws with Dog
Point



GN 709.1
Steel Clamping
Pads with
Threaded Stem



GN 709.15
NEW
Stainless Steel
Clamping Pads
with Threaded
Stem



GN 709.2
Steel Clamping
Pads with
Tapped Body



GN 709.25
NEW
Stainless Steel
Clamping Pads
with Tapped Body



GN 709.3
Steel Clamping
Pads with Height
Adjustment



GN 709.35
NEW
Stainless Steel
Clamping Pads
with Height
Adjustment



GN 709.7
NEW
Steel Clamping
Pads with O-Ring



GN 709.8
NEW
Steel Clamping
Pads,
Adjustable, with
O-Ring



GN 409.1
Steel Positioning
Elements with
Male Thread



GN 409.2
Steel Positioning
Elements, Tapped



GN 732
Steel Cylinder
Head Shoulder
Bolts



ISO 7379
Hardened Steel
Shoulder Screws
with Collar

Studs, T-Slot Nuts and T-Slot Bolts



DIN 6379
Metric Size Steel
Double Ended
Threaded Studs



WN 787
NEW
Inch Size Steel T-
Slot Bolts



DIN 787
Metric Size Steel
T-Slot Bolts



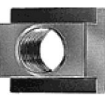
No. 508 L
Metric Size
Extended T-Slot
Nuts



No. 508 R
Metric Size
Steel T-Slot
Nuts Semi-
Finished



DIN 508
Metric Size T-Slot
Nuts



DIN 508-NI
Metric Size
Stainless Steel
T-Slot Nuts



GN 508.2
Metric Size Steel
Slip Proof T-Nuts



STN
Inch Size Steel
Standard T-Slot
Nuts



No. 508 F
Metric Size
Steel T-Slot
Nuts with
Spring



No. 797
Metric Size Steel
"Rhombus" T-Slot
Bolts



GN 508.1
Metric Size Steel
Rhombus T-Slot
Nuts



No. 510
Metric Size Steel
"Rhombus" T-
Removable Nuts

Fixture, Collar and Extension Nuts



DIN 6330 B
Metric Size Steel
Fixture Nuts



GN 6330-NI
Metric Size
Stainless Steel
Fixture Nuts



KN
Steel Knurled
Fixture Nuts



DIN 6331
Metric Size Steel
Collar Nuts



No. 6334
Inch Size Steel
Extension Nuts

No. 6334
Metric Size Steel



Extension Nuts

Quick Release, Slotted Spanner and Check Nuts



DIN 1804
Metric Size Steel
Slotted Spanner
Nuts



DIN 1804-NI
Metric Size
Stainless Steel
Slotted Spanner
Nuts



GN 1804.1
Metric Size
Slotted Spanner
Nuts with
Polyamide Insert



CN
Steel Check Nuts

Eye Nuts, Stop Bolts and Swing Bolts



DIN 444
Metric Size Steel
Swing Bolts



DIN 444-NI
Metric Size
Stainless Steel
Swing Bolts



GN 1524
Metric Size Steel
Swing Bolts with
Extended Thread
Length



SEB
Inch Size Steel
Swing Bolts



LB
Inch Size Steel
Latch Bolts



GN 444.2
Metric Size Steel
Eye Nuts

Clamping Screws, Drill Bushings and Locating Pins



GN 251
Metric Size Steel
Clamping Screws



GN 251.2
Metric Size Stop
Bolts with Limit
Switch



GN 251.6
Metric Size Steel
Setting Bolts with
Retaining Magnet



GN 230
Metric Size Steel
Tenon Nuts



GN 418.2
Metric Size
Steel Cam Point
Screws



DIN 172 / DIN
179
Drill Bushings



GN 770
Metric Size
Locating Pin
Bushings



GN 771
Metric Size
Locating Pins



GN 771.1
Metric Size
Locating Pins



DIN 6320
Steel Jig Feet



DIN 6321
Locating / Seating
Pins



GN 6321.1
Steel Seating Pins



GN 6322
Steel
Workholding Pins

Flat, Countersunk, and Heavy Duty Washers



DIN 6340
Metric Size Steel
Heavy Duty Flat
Washers



GN 6339
Metric Size Steel
Heavy Duty
Washers



FWS
Inch Size Steel
Heavy Duty Flat
Washers



FWS
Inch Size
Stainless Steel
Heavy Duty Flat
Washers



GN 6341
Metric Size
Steel Washers



GN 6341-NI
Metric Size
Stainless Steel
Washers



GN 6342
Metric Size Steel
or Stainless Steel
Washers with
Axial Friction
Bearing



GN 184
Steel
Countersunk
Washers



GN 184.5
Stainless Steel
Countersunk
Washers



GN 185
Stainless Steel
Countersunk
Washers with
Plastic Cover
Disk

Serrated Locking Plates and Guide Housing



GN 338
Disks with Cover
Cap



GN 187.1
Steel Guide
Housing



GN 187.1-NI
Stainless Steel
Guide Housing



GN 187.4
Sintered Steel
Serrated Locking
Plates



GN 187.4-NI
Sintered
Stainless Steel
Serrated
Locking Plates



GN 187.2
Conical Thrust
Springs

C-Washers



GN 183
Metric Size Steel
C-Washers



DIN 6371
Metric Size Steel
Captive
C-Washers



HDCW
Inch Size Steel
Heavy Duty C-
Washers



SCW
Inch Size Steel
Swing C-Washers

Forked, Goose Neck and Plain Clamps



GN 920.1
Wedge Clamps



No. 6430
Atlas Screw Jacks
with Jam Nut



DIN 6314
Plain Clamps



No. 6314 V
Adjustable Plain
Clamps with
Adjusting Screw



No. 6314 Z
Step Clamps



DIN 6315 B
Forked Clamps
Tapered



No. 6315 GN
Forked Clamps
with Shoe End



DIN 6315 C
Forked Clamps
with Pin End



DIN 6316
Goose Neck
Clamps



No. 6317
Double Ended
Goose Neck
Clamps



No. 6316 V
Adjustable Goose
Neck Clamps with
Adjusting Screw



No. 6312 V
Crocodile Clamps
with Adjustable
Holder



No. 6312 V1
Crocodile Clamps
with Adjustable
Holder Stud Bolt

Solid, Split and Two-Piece Set Collars



GN 705
Metric Size Steel
Set Collars



GN 705-NI
Metric Size
Stainless Steel
Set Collars



GN 704
Inch and Metric
Size Aluminum
Quick Release
Set Collars



GN 706.2
Metric Size Steel
Split Set Collars



GN 706.2
Metric Size
Stainless Steel
Split Set Collars



GN 706.3
Metric Size Steel
Threaded Set
Collars



GN 706.3
Metric Size
Stainless Steel
Threaded Set
Collars



GN 706.4
Metric Size Split
Set Collars with
Adjustable Hand
Lever



GN 707.2
Metric Size Steel
Two-Piece Split
Set Collars



GN 707.2
Metric Size
Stainless Steel
Two-Piece Split
Set Collars



GN 826
NEW
Metric Size
Control Knob
Flanges for
Adjustable
Spindles

Spherical Washers and Leveling Sets



GN 6319.1
Metric Size
Spherical
Washers
Combined Type



DIN 6319 C
Metric Size Steel
Spherical Seat
Washers



DIN 6319 D
Metric Size Steel
Dished Washers



DIN 6319 G
Metric Size Steel
Large O.D.
Dished Washers



DIN 6319-NI
Metric Size
Stainless Steel
Spherical Seat
Washers



TPSWS
Inch Size Steel
and Stainless Steel
Two-Piece
Spherical Washers



GN 350.3 /
GN 350.3-NI
Spherical Leveling
Washers



GN 350
Steel Leveling
Sets Long Model



GN 350-NI
Stainless Steel
Leveling Sets
Long Model



GN 350.1
Steel Leveling
Sets Short
Model



GN 350.1-NI
Stainless Steel
Leveling Sets
Short Model



GN 350.2
Steel Leveling
Sets with
Spherical Washers



GN 350.2-NI
Stainless Steel
Leveling Sets
with Spherical
Washers



GN 350.5
Steel Leveling
Sets with
Spherical
Washers with
Locknut



GN 350.5-NI
Stainless Steel
Leveling Sets
with Spherical
Washers with
Locknut



GN 355
Metric Size Steel
Leveling
Elements



GN 355
Metric Size
Stainless Steel
Leveling
Elements



GN 355.1
Steel Assembly
Tools for GN 355
Leveling
Elements

Lifting Eyes and Load Rings



DIN 582
Metric Size Steel
Lifting Eyes



DIN 582-NI
Metric Size
Stainless Steel
Lifting Eyes



GN 583
Metric Size Steel
Safety Swivel
Lifting Eye Nuts



WN 583
Inch Size Steel
Lifting Eye Nuts



WN 580
Inch Size Steel
Lifting Eye
Bolts



DIN 580
Metric Size Steel
Lifting Eye Bolts



DIN 580-NI
Metric Size
Stainless Steel
Lifting Eye Bolts



GN 581
Inch and Metric
Size Steel Safety
Swivel Lifting
Eye Bolts



GN 581.5
Metric Size
Stainless Steel
Safety Swivel
Lifting Eye Bolts



GN 586
Inch and Metric
Size Steel Safety
Swivel Load
Rings



GN 588
NEW
Metric Size Steel
Thread Adapters
for GN 581 and
GN 586



GN 5860
NEW
Inch and Metric
Size Steel Safety
Swivel Load Rings



GN 587
Metric Size Steel
Weldable Load
Rings



GN 589
Metric Size Steel
Weldable Lifting
Points



GN 584
Metric Size
Steel D Shackles



GN 585
Metric Size Steel
Bow Shackles



GN 1130
Metric Size Steel
Lifting Pins



GN 1130
Metric Size
Stainless Steel
Lifting Pins



GN 1132
NEW
Metric Size
Stainless Steel
Holding Bushings
for GN 1130
Lifting Pins

Ball Transfer Units



GN 509
Ball Transfer
Units



GN 509.1
Heavy Duty Ball
Transfer Units



GN 509.3
Spring Retainers
for Ball Transfer
Units