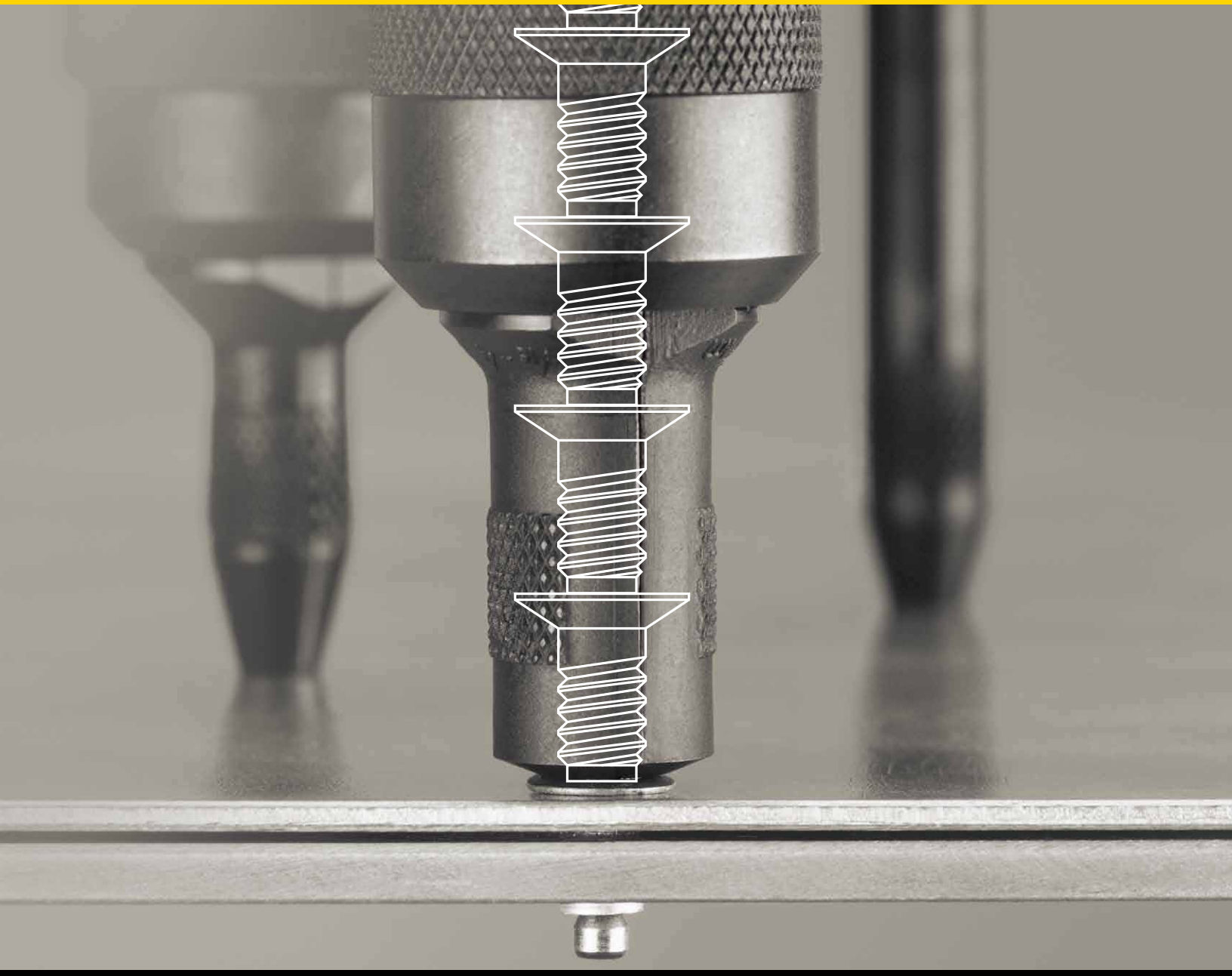
STANLEY®
Engineered Fastening



Speed Fastening® Systems

POP® Avdel®

Speed Fastening® Systems

Reduce Assembly Costs with the most effective blind fastening technology.

Holding your world together®

Speed fasteners

High precision, system-compatible function, ease of operation and quick processes are guaranteed because you can fasten continuously from magazine or bowl fed fasteners and place up to 60 fasteners per minute. For fast and reliable assembly processes.

Speed Fastening Systems can reduce assembly costs, shorten cycle times, increase productivity and reduce re-work and other quality costs. Speed Fastening Systems are well suited for use in small, medium and large batch processes as well as continuous production lines.

Installation

For smaller batches, we offer a choice of power tools and simple assembly workstations. For larger batches, multihead systems offer a cost effective solution. For continuous flow lines, we have the technology to develop fully automated assembly systems.

Applications

Speed Fastening Systems can be used to assemble metal and plastics, composite material and electronic components. With an average cycle time of less than two seconds, these systems provide a fast installation from one side (blind).

Mission

Together with our customers, we develop blind fastening systems that simplify your production process and improve the quality of your products. In every case, we not only see ourselves as a provider of fasteners, tools and machines but as a development and system partner with the objective of helping our customers improve their assembly performance.

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Speed Fastening® Systems

Speed Fastening is a unique assembly system designed for rapid and reliable fastening in medium and high volume applications. Originally designed for the aviation industry, Speed Fastening Systems are now used by many of the world's foremost manufacturing companies in sectors as diverse as household goods, lighting, electronic sub-assemblies, light metal fabrication and automotive. Speed fasteners are available in a wide range of materials, finishes, lengths and diameters and are ideal for fastening metals, plastics, composites and electronic components.

Speed fasteners are single piece fasteners which are either magazine fed or fed via a vibrating bowl to a wide choice of installation equipment. This ranges from the ultra-lightweight 753 power tool to fully automated, state of the art assembly systems.

Benefits of assembly

Increased manufacturing throughput

A Speed Fastening System can be fully optimized to give cycle times of less than two seconds. This rapid, blind sided process delivers a throughput up to four times greater than a traditional threaded or riveted solution.

Reduced component handling

The fasteners are fed via a magazine or into a bowl feeder. This eliminates the need for individual component handling, saves time and reduces the potential for operator injury.

No component spillage

Because the fasteners are captively held they will not be dropped onto the floor or into the application. This avoids wasted time and improves product quality while improving the work environment.

No stem loss

Traditional breakstem fasteners all too often suffer from stem loss once installed. This can lead to application rattle, electrical short circuits or worse.
Speed fasteners have no stems.

Improved joint quality

Speed installation technology provides a consistent, repeatable joint. What's more, unlike threaded fasteners, there is no requirement for torque control – no more problems of stripped holes or loose joints.

Improved joint performance

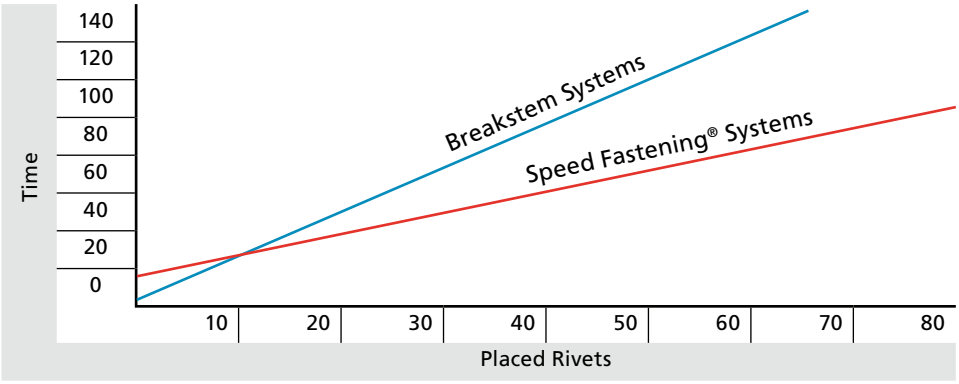
Once installed speed fasteners give excellent clamp up, shear and tension performance. They are also virtually immune from vibration loosening.

Process flexibility

Speed Fastening Systems can be used for low volume, off-line batch or jobbing shop work through to flow line processes. From hand held power tools to multiheaded modular workstations, we can design a Speed Fastening System to suit your assembly requirements. A wide variety of products in many industries are assembled with these systems including automotive, electronics, domestic appliance and general industrial.

Time Analysis

Speed Fastening is the more efficient system after only 10 placed rivets.



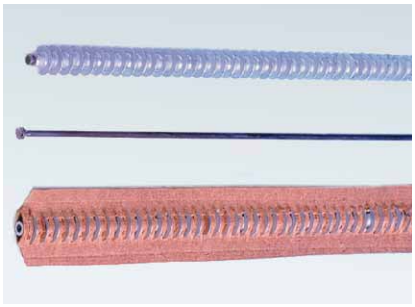
Range Overview

Brand	Material	Key features
NeoSpeed®	Aluminum Alloy Steel Stainless Steel A4	Wide grip range High joint clamp Hole filling Very high strength
Briv®	Aluminum Alloy Steel Stainless Steel A2 Brass	Bulbed tail form Large headform High joint clamp Good joint gap closure
Rivscrew®	Steel	Threaded fastener Removable with hex key and reusable Fastens into materials up to Vickers hardness 105 Hv5
Chobert®	Aluminum Alloy Steel Brass	Internal tapered bore Controlled clamp High shear Ideal for soft and brittle materials
Double Flush Chobert®	Steel	Flush surface on both sides of the joint Reduces excess space requirements within the chassis
Grovit®	Aluminum Alloy Steel	Designed for blind hole applications Annular grooves on body For use in wood, plastics, fibreglass and aluminum
Avtronic®	Brass Aluminum Alloy	Attaches DIN 41612 connectors and other components to PCBs Annular grooves on body
Avsert®	Brass	Threaded stand-off pillars for PCBs Internally threaded bore Many stand-off heights
Avlug®	Brass	Solderable terminal posts for PCBs Rolled/knurled shank

Assembly with standard tool

Fasteners fed via a vibrating bowl

Magazine fed fasteners



Specifying a Speed Fastening® System

To optimize the performance of your Speed Fastening System, it is important to select the correct combination of fastener, nose equipment, mandrel and follower spring. It is also critical to ensure that the combination selected is suited for use with your choice of installation process. If you need any help in specifying the required components, do not hesitate to contact your local STANLEY Engineered Fastening representative. Further information on corrosion, safety and RoHS can be found on our website www.StanleyEngineeredFastening.com.

Fastener Selection

Standard Fasteners

Removability

Rivscrew® fasteners are ideal for applications requiring disassembly for repair or rework. They can simply be unscrewed using a standard hex allen key.

Clamp

Briv® fasteners should be specified in applications requiring high clamp loads. NeoSpeed® fasteners combine high clamp throughout a wide grip range. Chobert® fasteners provide a lighter, controlled clamp making them ideal for softer or low strength materials.

Head Style

Fasteners are available with dome head. NeoSpeed®, Briv® and Chobert® are also available with countersunk head style. Other head diameters may also be available as specials – please contact your local STANLEY Engineered Fastening representative.

Specialist Fasteners

Avtronic®

Designed for attaching DIN and other connectors, card ejectors and heatsinks to printed circuit boards.

Avsert®

Cost effective stand-off pillars for printed circuit boards.

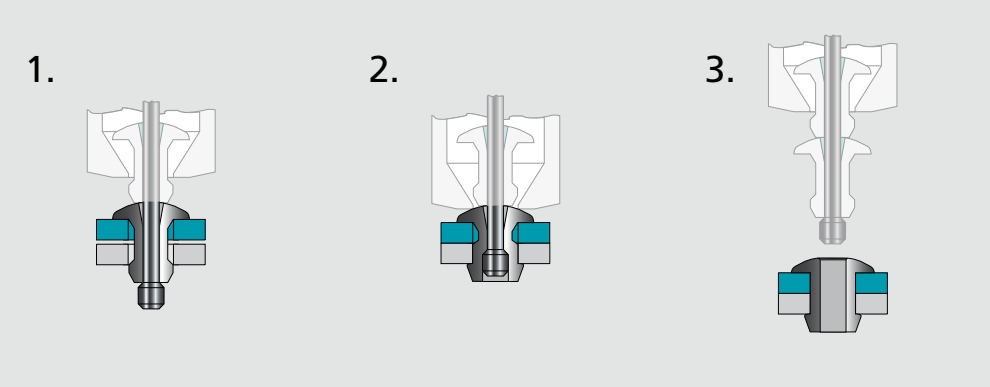
Avlug®

Cost effective terminal posts for printed circuit boards.

Fastener Material & Surface Finish

Speed fasteners are available in Stainless Steel, Steel, Aluminum and Brass. The choice of material should be made on the basis of performance (shear and tensile strength), suitability for use with the parent material and corrosion resistance. For performance data please see the relevant technical data sheets.

Typical placing sequence



1. The mandrel with pre-loaded fastener is located in the hole.

2. Tool activation pulls the mandrel through the fastener, expanding it within the hole to provide high clamp and secure joints.

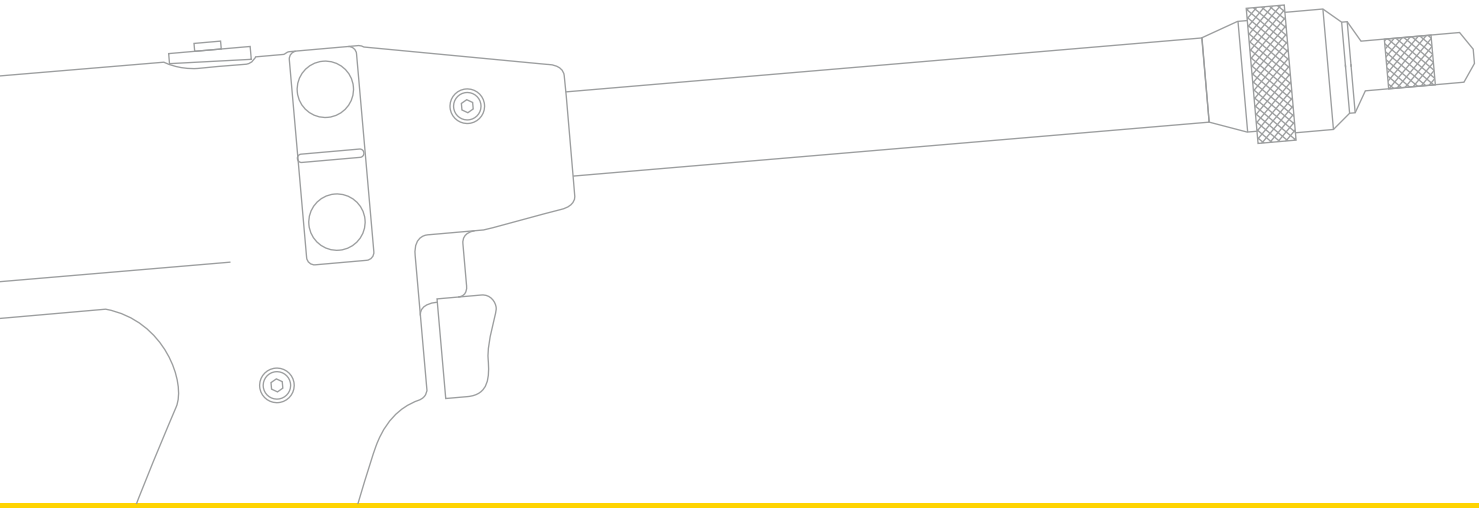
3. At the end of the installation cycle, the next fastener is automatically delivered to the nose of the tool, ready to repeat the assembly process.

Please visit our website www.StanleyEngineeredFastening.com for fastener placing animations.

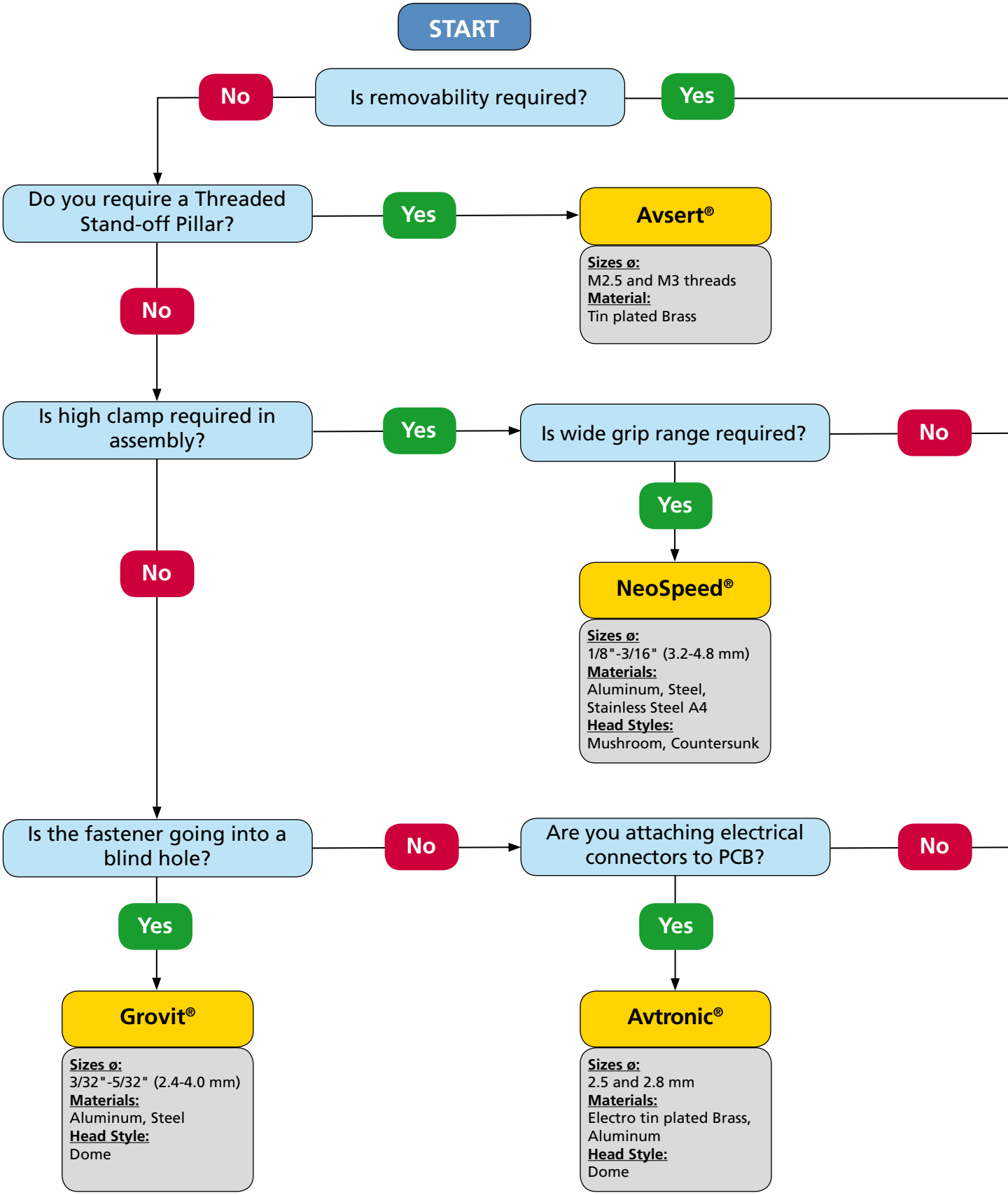
The surface finishes for speed fasteners are as follows:

Steel	Zinc plate and clear passivation Option: Epoxy paint Zinc-nickel (with clear or black passivation) Organic coatings
Aluminum Alloy	Natural Option: Anodizing (clear or color dyed) Epoxy paint
Stainless Steel	Passivated
Brass	Brightened Tin plated (for solderability)

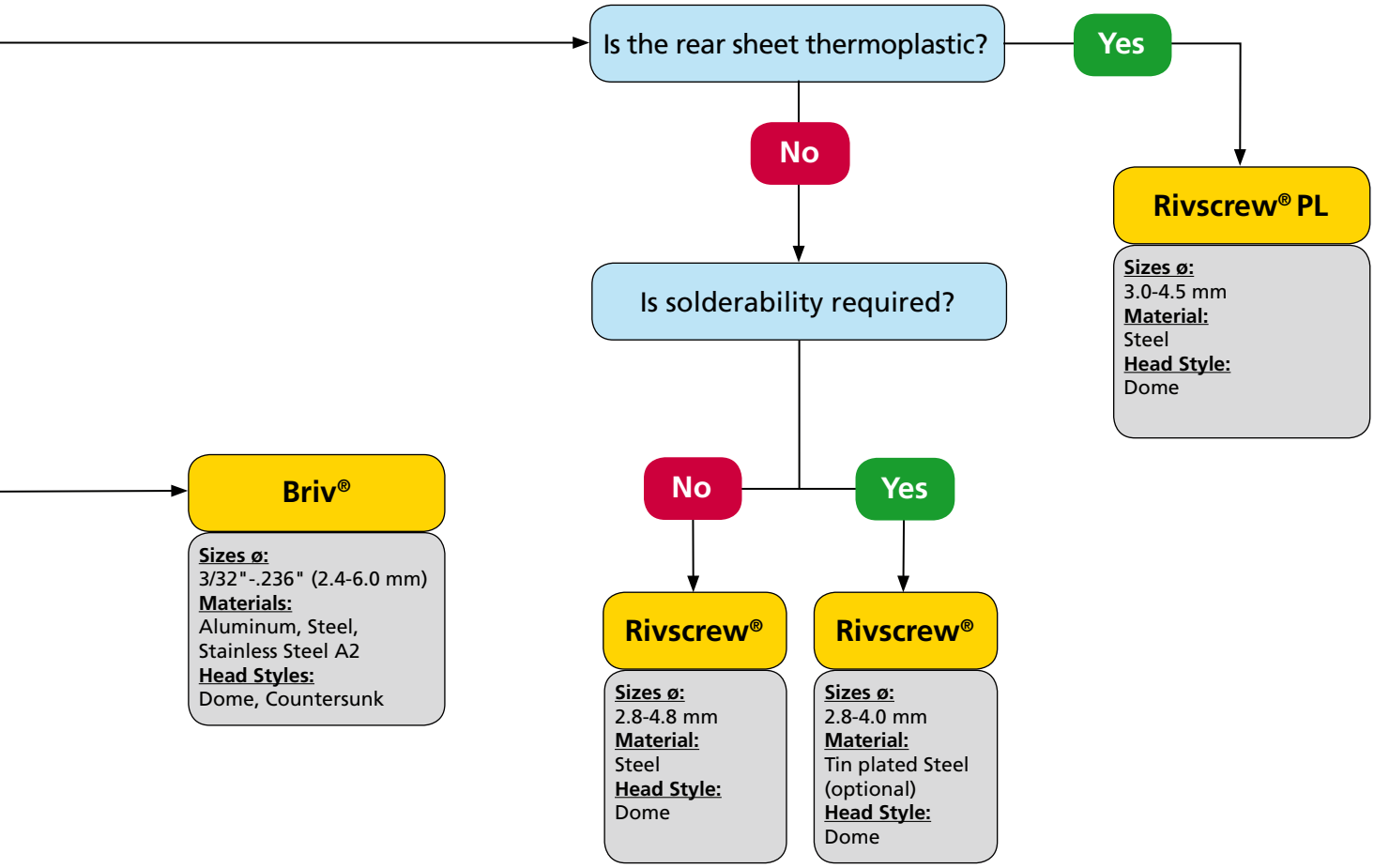
Almost all our fastener families may be specified with alternative surface finishes to provide increased corrosion resistance or a specific color to suit your special application.

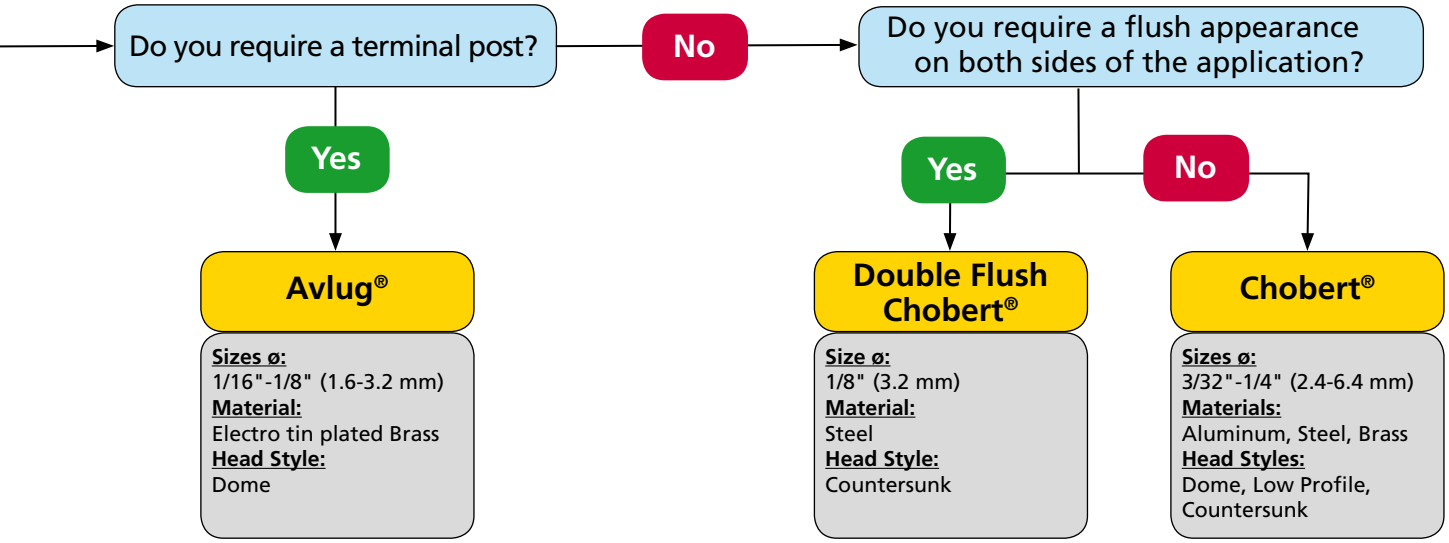


POP® Avdel® Speed Fastening® Systems



This selection guide is designed to illustrate which fasteners may be the most suitable for your application. This guide does not include the full range of POP Avdel products; our Applications Engineers are available to advise as to the best solution for your specific application needs.





Selection Guide

This table is designed as a guide to help you select the most suitable speed fastener for your particular application. Full technical and performance data can also be found on our website or contact your local STANLEY Engineered Fastening representative.

Product Range	Material						Finish							Head Style			Fastener Size (nom)												Series	Page	
	Aluminum 2.5 % Mg	Aluminum 3.5 % Mg	Aluminum 5 % Mg	Steel	Stainless Steel	Brass	Natural	Zinc plated	Polished/bright	Passivated	Tin plated	Nickel plated	Anodysed red	Dome	Low profile	Countersunk	1/16" (1.6 mm)	3/32" (2.4 mm)	2.5 mm	2.8 mm	3.0 mm	1/8" (3.2 mm)	3.5 mm	5/32" (4.0 mm)	4.5 mm	3/16" (4.8 mm)	6.0 mm	1/4" (6.4 mm)	M2.5	M3		Description	Data Sheet
NeoSpeed®			●				●							●								●		●		●					57101	11	28
				●				●						●								●		●		●					57121	11	30
					●					●				●										●		●					57141	11	32
				●				●								●						●									57221	11	33
Briv®			●				●							●				●				●		●		●	●				1801	12	36
			●				●									●						●		●							1802	12	39
			●										●	●				●				●		●		●					1804	12	36
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				●				●								●						●		●							1822	12	43
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						●					●			●				●				●		●		●					1833	12	45
					●				●					●								●		●		●					1841	12	48
	●						●							●								●		●		●					1861	12	36
Chobert® Double Flush Chobert®				●				●						●								●		●		●		●			1121	13	50
				●				●								●						●		●		●		●			1122	13	52
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				●				●								●						●									1110	14	64
Grovit®				●				●						●								●		●							1101	15	65
	●						●							●				●				●		●							1103	15	66
	●						●									●		●				●		●							1104	15	66
Rivscrew® Rivscrew® PL				●				●						●						●	●		●	●							1722	16	73
				●							●			●						●	●		●	●							1723	16	73
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Avtronic®						●					●			●					●	●											1188	18	82
			●				●							●					●	●											1189	18	84
Avsert®						●					●																		●	●	1117	19	88
						●					●																		●	●	1118	19	89
Avlug®						●					●			●			●	●				●									1107	20	91

NeoSpeed® Wide Grip Range

Speed fasteners with a unique splined rivet design combine high clamp throughout a wide grip range - simply the strongest, most versatile speed riveting system in the world.

Key features and benefits

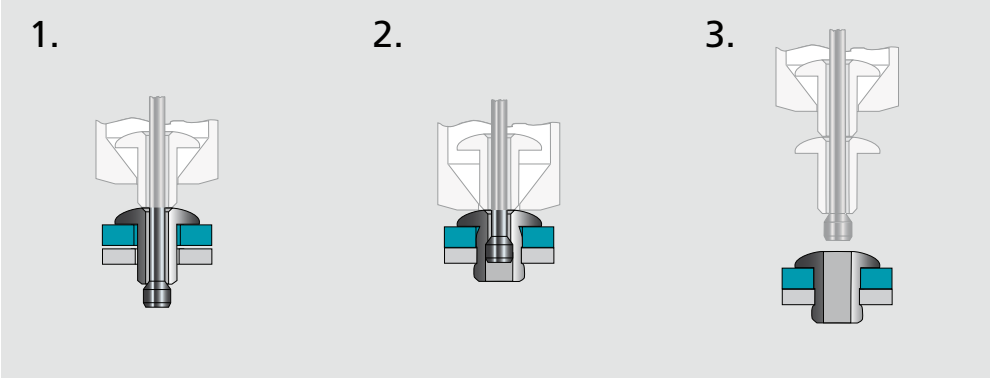
- The NeoSpeed fastening process delivers a throughput up to four times greater than traditional threaded or breakstem fasteners
- Multi-grip capability accommodates wide variations in material thickness
- One rivet can be used to replace several standard grip fasteners
- External splines fill rear sheet and oversize front sheet holes
- 3x greater hole size tolerance than standard breakstem rivets
- Far less sensitive to application variations
- Easier specification due to one-rivet x one mandrel solution
- Typically half the installed weight versus an equivalent breakstem rivet
- Supply options: paper magazine of fasteners or pre-loaded disposable mandrel (Cartridge)

Specifications

Sizes:
1/8" to 3/16"
(3.2 mm to 4.8 mm)
Materials:
Aluminum Alloy, Steel, Stainless Steel A4
Head Styles:
Mushroom, Countersunk

Avdel Patent protected.

Typical placing sequence



Please visit our website www.StanleyEngineeredFastening.com for fastener placing animations.

Assembly applications

- Automotive
- Electronics
- Domestic appliances
- Electrical equipment
- General light fabrication

Airbags

Interior

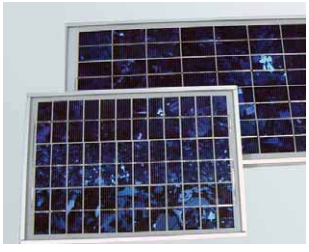
Seat & trim

Heating

Rapid action door

Computer cabinet

Solar panel



Briv® High Shear, High Clamp Fasteners

Speed fasteners with a bulbed tail provide consistent high clamp and shear. Can be used to assemble many materials including metal, plastic and aluminum alloy.

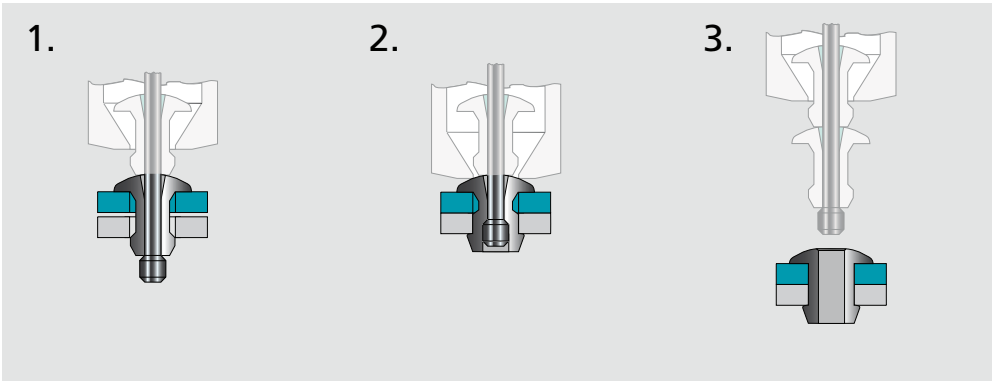
Key features and benefits

- Bulbed tail and foreshortening of the fastener during installation ensures high clamp
- Bulbed tail and large head style provide a large bearing area for soft materials
- Tapered tail for ease of hole entry
- Expands radially during installation to ensure maximum hole fill
- Lower in-place costs than welding or nail rivets
- Bright tin plated brass option for ease of soldering and good electrical conductivity
- Stainless Steel option for applications subject to high temperature or corrosion
- Can be bowl fed for larger volume applications using automated equipment

Specifications

Sizes:
3/32" (2.4 mm) to 6 mm
Materials:
Aluminum Alloy, Steel, Stainless Steel A2, Brass
Head Styles:
Dome, Countersunk

Typical placing sequence



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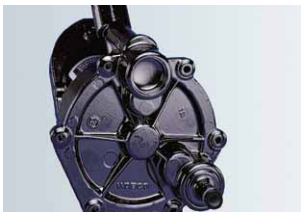
Assembly applications

- Automotive
- Electronic components
- Sheet metal
- Electrical engineering
- Domestic appliances
- Furniture
- General light fabrication

Vacuum pump for diesel engines

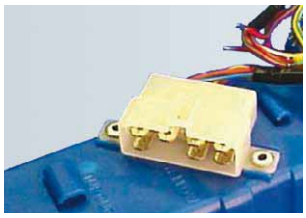


Domestic heating systems

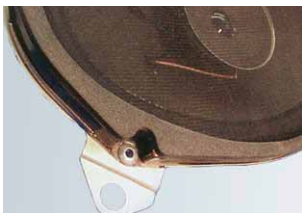
Office furniture

Computer cabinet

Automotive plastic connector to moulded chassis



Automotive stereo speaker



Chobert® For Soft and Brittle Materials

Speed fasteners which provide consistent controlled clamp, ideal for soft or brittle materials.

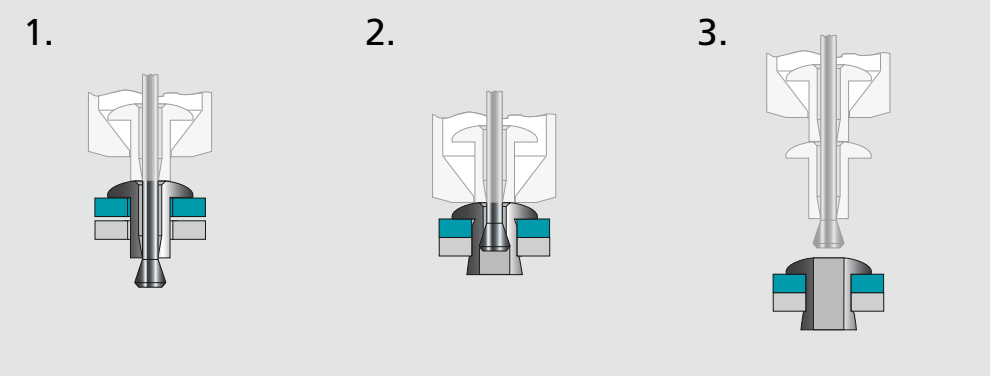
Key features and benefits

- Internally tapered bore ensures consistent light clamp to reduce potential damage to materials
- Expands radially during installation to ensure maximum hole fill
- Lower in-place costs than welding or nail rivets
- Ideal pivot pin or hose tail
- Bright tin plated brass option for ease of soldering and good electrical conductivity
- Can be bowl fed for larger volume applications using automated equipment

Specifications

Sizes:
3/32" to 1/4"
(2.4 mm to 6.4 mm)
Materials:
Aluminum Alloy,
Steel and Brass
Head Styles:
Dome, Low Profile,
Countersunk

Typical placing sequence



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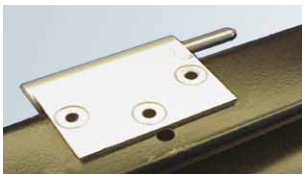
Assembly applications

- Automotive
- Electronic components
- Sheet metal
- Electrical engineering
- Injection moulded components
- Switchgear
- Domestic appliances
- General sheet metal
- General light fabrication

Window hinge

Alloy tube with nylon bush

Computer rack glass door hinge



Housing for car alarm

Composite material latch for wheel cover

Cooler

Double Flush Chobert®

Speed Fastening® rivet with countersunk head for use in exceptionally thin sheet materials. Based on the Chobert design, it is an ideal solution for fastening in the electronics industry and other applications where rear protrusion and rivet stem loosening are undesirable.

Key features and benefits

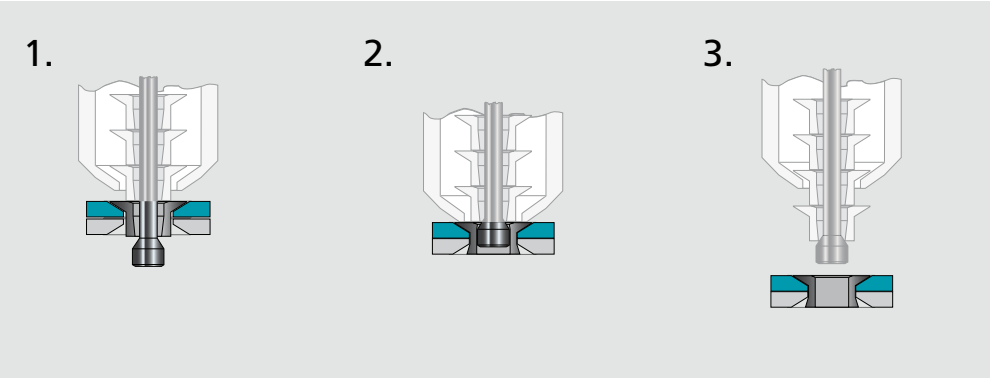
- Flush surface on both sides of the joint*
- Reduces excess space requirements within the chassis
- Common hole form can be used throughout the chassis design to reduce complexity
- Expands radially in the material during installation
- Can be installed from either direction if accessible
- Provides superior joint strength when compared to competitive technologies
- One-piece fastener eliminates potential stem fall out that can cause electrical problems

* Rear sheet tail protrusion of installed fastener up to .020" is permissible

Specifications

Size:
1/8" (3.2 mm)
Material:
Steel
Head Style:
Countersunk

Typical placing sequence

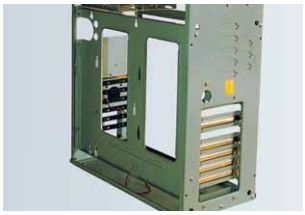


Please visit our website www.StanleyEngineeredFastening.com for fastener placing animations.

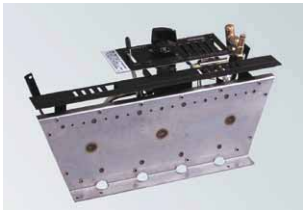
Assembly applications

- Computer chassis
- Electronic devices and components
- Automotive applications
- Domestic appliances
- HVAC
- General thin sheet fabrications where material cost and blindside space is at a premium

Computer chassis



Gas firing



Grovit® For Blind Hole Applications

Designed for blind hole applications in wood, plastics, fibreglass and aluminum. Can also be used in harder substrates.

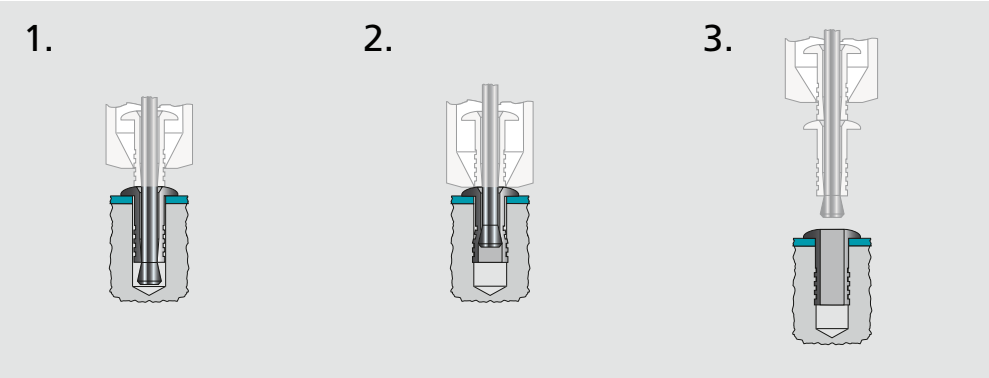
Key features and benefits

- Annular grooves on the body expand radially during installation
- Provide a vibration resistant joint and increased pull-out resistance

Specifications

Sizes:
3/32" to 5/32"
(2.4 mm to 4.0 mm)
Materials:
Zinc plated Steel and Aluminum Alloy
Head Style:
Dome

Typical placing sequence

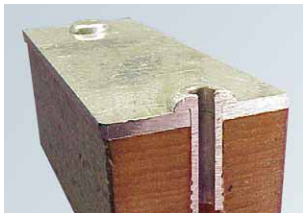


Please visit our website www.StanleyEngineeredFastening.com for fastener placing animations.

Assembly applications

- Automotive
- Domestic appliances
- Electrical equipment
- Injection moulded components

Grovit fastener in timber



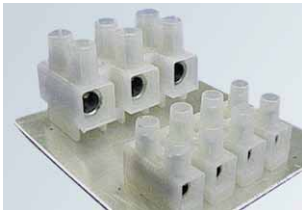
Trouser press

Trouser press (detail)

PVC connector block in air conditioning unit

Grovit fastener used as a quick connect low pressure bleed hose

PVC strip connector



Rivscrew® Threaded, Removable Fasteners

Threaded, removable speed fasteners that combine the speed of rivet placement with the removability of a screw.

Key features and benefits

- Expands radially during installation to form a thread in host material, eliminating the risk of over torquing and strip-out
- Placed using a hexagon mandrel which expands the threaded diameter radially, adjacent to its six corners
- Removable for servicing with a hex key and reusable
- Providing a higher vibration resistant "thread lock" in the parent material compared to standard screws
- Can be used to fasten most materials up to Vickers hardness 105 Hv5
- Eliminates the need for costly tapping or thread-forming operations
- Bright tin plated steel option for ease of soldering and good electrical conductivity
- Can be bowl fed for larger volume applications using automated equipment

Specifications

Sizes:

2.8 mm to 4.8 mm

Material:

Zinc plated Steel

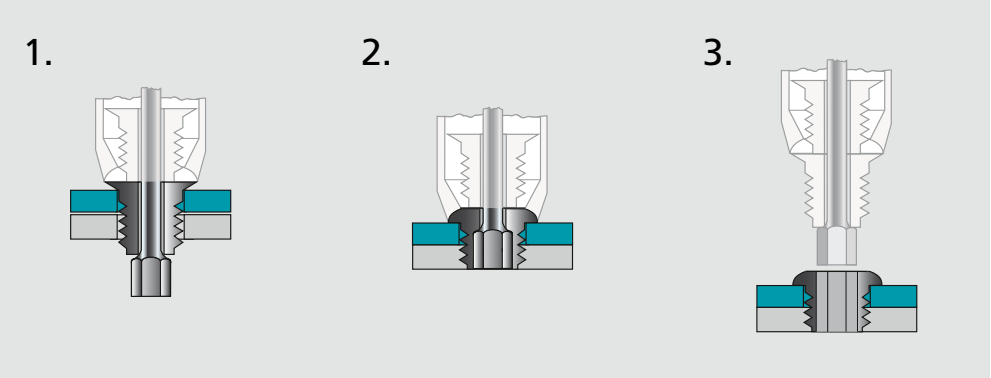
Optional: tin plated

Head Style:

Dome*

*The placed head style depends on the nose equipment used, standard Rivscrew nose equipment gives a dome head style.

Typical placing sequence



Please visit our website www.StanleyEngineeredFastening.com for fastener placing animations.

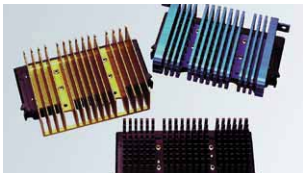
Assembly applications

- Aluminum die-cast boxes
- Cast magnesium
- Semi-conductors to thin wall and extruded heatsinks
- Semi-conductors to PCBs
- PCBs to chassis assemblies
- Fastening into injection moulded plastic bosses
- General engineering involving plastics, nylon, polycarbonate etc.

Rivscrew is removable and reusable

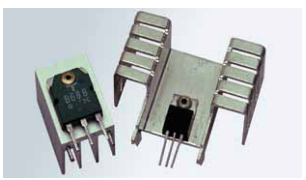
Automotive die-cast chassis with PCB

Heatsinks to processor cartridges



Alternator diode plate to nylon moulding

Semi-conductors to heatsinks and printed circuit boards



Seat belt tensioner

Rivscrew® PL For Plastics

Threaded, removable speed fasteners that combine the speed of rivet placement with the removability of a screw.

Key features and benefits

Rivscrew PL fasteners have the same features and benefits as the standard Rivscrew fastener plus:

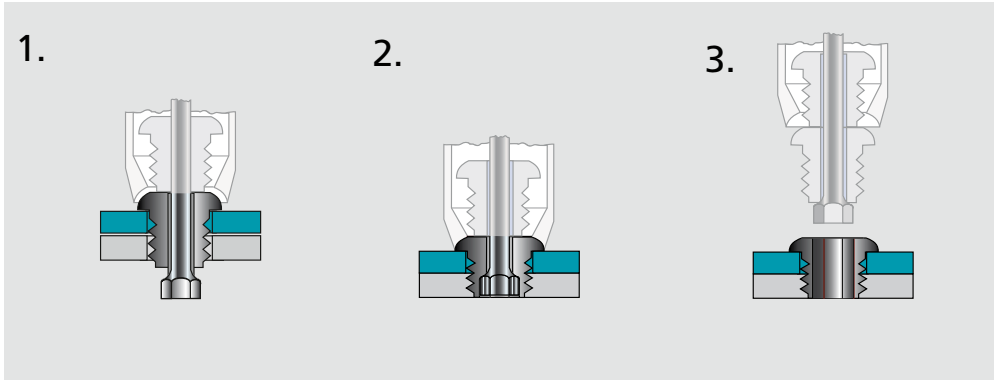
- Especially designed for soft and hard plastics
- Special thread design for a wide range of plastics with a flexural modulus between 340,000 and 1,400,000 p.s.i (2,000 to 10,000 N/mm²)
- Wide grip range from .118 to .465" (3.0 to 11.8 mm) covered by one fastener

Specifications

Sizes:
3.0 mm to 4.5 mm
Material:
Zinc plated Steel
Head Style:
Dome

Avdel Patent Protected

Typical placing sequence



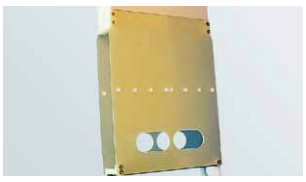
Please visit our website www.StanleyEngineeredFastening.com for fastener placing animations.

Assembly applications

- Automotive components
- Lighting
- Plastic trim
- Home electronics
- Domestic appliances
- Toys
- Plastic enclosures

Removable and reusable

Electric components



Head lamps

Printer & copiers

Dust cleaner

Fender attachment

Avtronic® For Attaching Connectors to PCBs

Initially designed to attach DIN 41612 connectors to PCBs but can also be used to attach a wide range of other connectors and components.

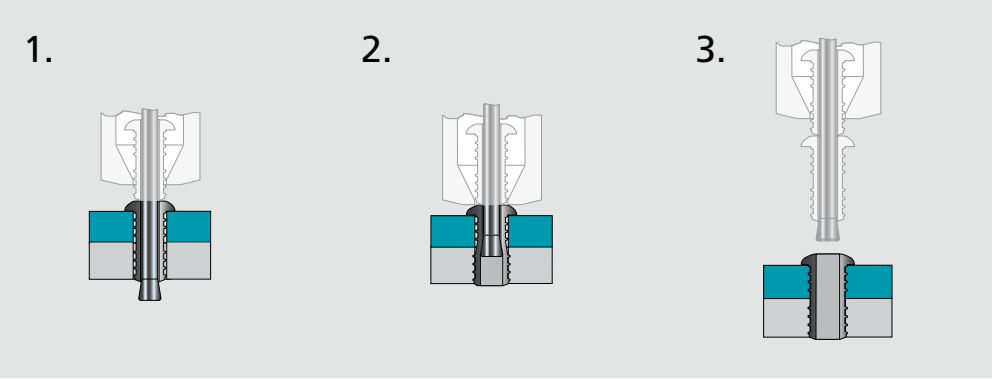
Key features and benefits

- Annular grooves on the body expand radially during installation
- Provide a vibration resistant joint, increased pull-out resistance and good residual clamp
- Various body lengths provide a wide grip range to accommodate most combinations of connector and PC board thickness
- Ideal tack rivet
- Can be used in blind hole applications

Specifications

Sizes:
2.5 mm and 2.8 mm
Materials:
Electro tin plated Brass and Aluminum Alloy
Head Style:
Dome

Typical placing sequence

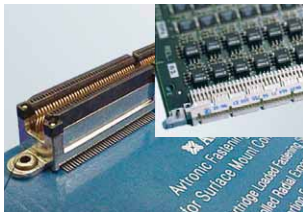


Please visit our website www.StanleyEngineeredFastening.com for fastener placing animations.

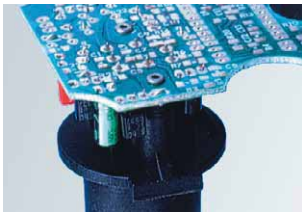
Assembly applications

- DIN and other connectors
- Heatsinks
- Card ejectors
- Brackets and stiffener bars

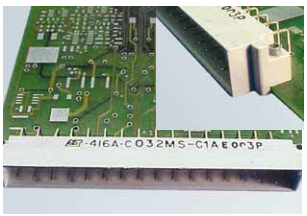
Surface mounted connectors to PCBs



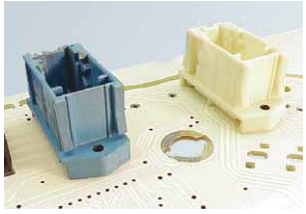
Electronic component attachment



DIN 41612 male edge connector



Automotive vertical mounted connectors



Traffic light reflector and contact point

Avsert® Threaded Stand-off Pillars for PCBs

Threaded stand-off pillars for PCBs in a range of metric internal threads and many stand-off heights.

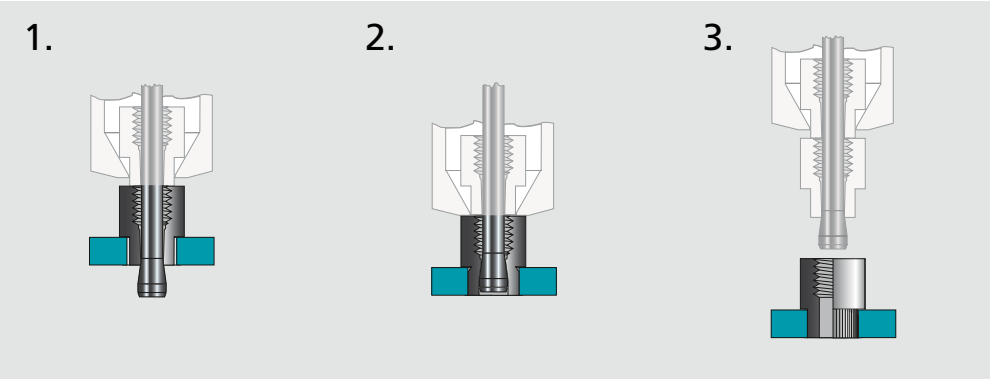
Key features and benefits

- Internally threaded bore takes a threaded part e.g. D-subminiature connectors
- Available in many stand-off heights to accommodate a wide variety of components
- Can be used for board thicknesses of .032 – .079" (short spigot) or .032 – .094" max (long spigot).
- Suitable as a female mating bush for D-subminiature connectors

Specifications

Sizes:
M2.5 x 0.45 and
M3 x 0.5 threads
Material:
Tin plated Brass

Typical placing sequence

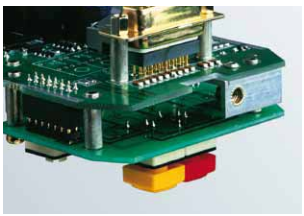


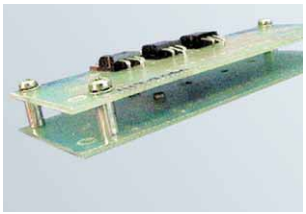
Please visit our website www.StanleyEngineeredFastening.com for fastener placing animations.

Assembly applications

- Aluminum geartrays and extrusions
- D-connectors
- PCBs
- Telecommunications equipment

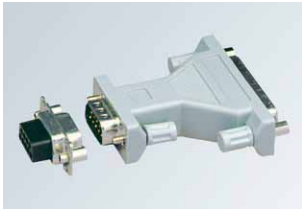
Stand-off pillar





DB25 subminiature connector
4.40 UNC female

Female mating bush



Avlug® Solderable Terminal Posts

Secure, easy-to-solder terminal posts for PCBs.

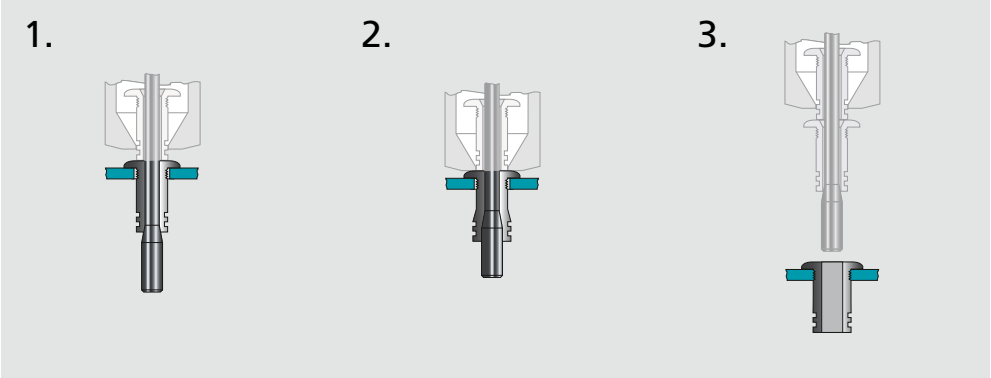
Key features and benefits

- Rolled/knurled shank ensures secure placement in the PCB
- Suitable for wire wrapping or a test point for CRO tubes
- Available with diameters as small as 1/16" (1.6 mm) for assembly of smaller components

Specifications

Sizes:
1/16" to 1/8"
(1.6 mm to 3.2 mm)
Material:
Electro tin plated Brass
Head Style:
Dome

Typical placing sequence

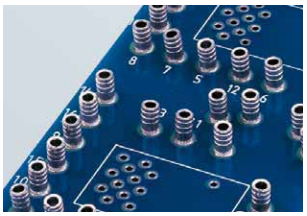


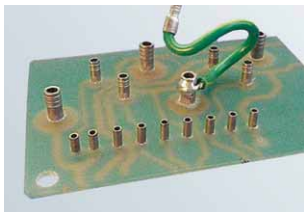
Please visit our website www.StanleyEngineeredFastening.com for fastener placing animations.

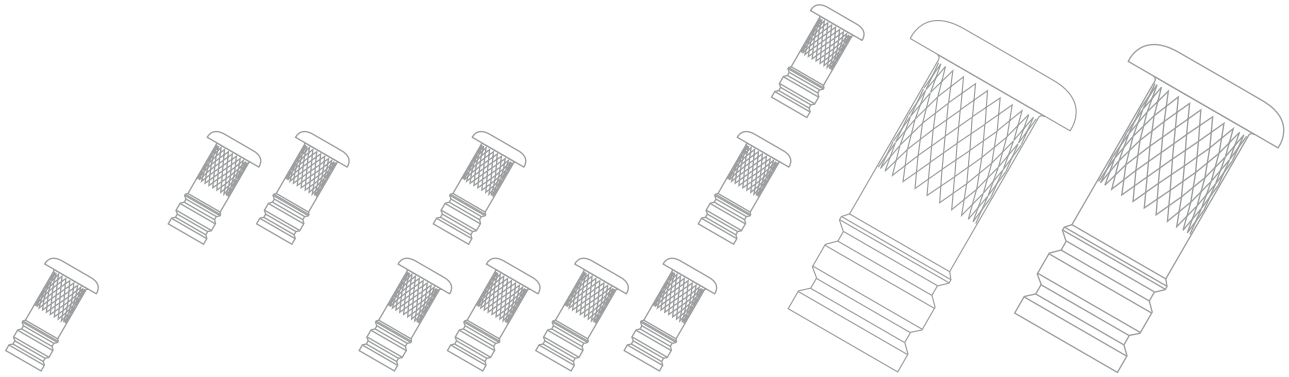
Assembly applications

- Terminal posts
- Wire wrap

Terminal post - wire wrap







Customized Designs

As you would expect from a leader in fastening solutions, we can design and manufacture Speed Fasteners with a wide variety of forms and finishes to meet your unique assembly requirements. Shown below are just a few examples of our customized capabilities. Whether you require custom fastener geometry, a particular finish, different fastener material, limited access tooling, or anything else not offered as standard product, please contact us to discuss your special requirements.

NeoSpeed® Speed Fastener - Black Anodized Finish
- Aluminum, black anodized
- More wear & corrosive resistant part

Briv® Speed Fastener - Customer specific painted finish
- Aluminum
- Custom painted finish

Briv® Speed Fastener - Anodized to Customer Color & Head Marking
- Aluminum - blue anodized
- Customer logo on part for tamper resistance

Chobert® Speed Fastener - Stand-off Rivet
- Aluminum, natural
- Very large flange shouldered stand-off rivet

Speed Fasteners - Hose Barb
- Aluminum, natural
- For use on compressed air tubes

Avplas® Speed Fastener - Removable
- Aluminum, natural
- Removable fastener for plastics

Avlug® Miniature Speed Fastener - Solderable Terminal Post
- Brass, Tin plated
- Solderable Terminal Posts
- Diameter 1/16" (1.6 mm)

Miniature Speed Fastener
- Aluminum, natural
- For use in electronic applications
- Diameters 1/16" - .078" (1.6 - 2.0 mm)

Installation Systems

From cost-effective power tools to custom assembly systems, Speed Fastening® equipment offers rapid and reliable assembly to meet your specific requirements. The equipment is an integral part of the Speed Fastening System and offers the following benefits:

- High speed, reliable fastener feed
- Assembly cycle times within two seconds
- Single side assembly
- Simple operation
- Quick reload
- Low maintenance costs
- Ideal for low volume batch work through to fully automated assembly lines

Power Tools

For low volume production up to 500,000 fastener p.a.

Power tools

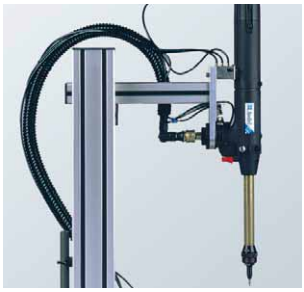
753 Standard tool

7537 Power tool

Workstations

For medium volume production from 250,000 up to 1,000,000 fastener p.a.

Workstations



7535 Pantograph workstation

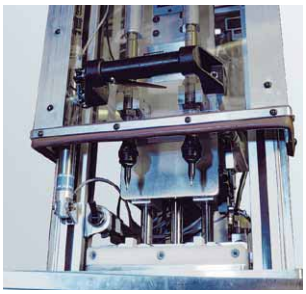
Mini-MAS

Assembly Workstations

For high volume production > 1,000,000 fastener p.a.

Bespoke systems

Twin head fixed pitch workstation



23 placing heads to assemble a computer chassis

Power Tools

7530 Power Tool

High performance, hydro-pneumatic power tool in heavy duty plastic, designed for rapid, blind side installation of speed fasteners. The intensifier is separated from the power tool. One tool places all speed fasteners except 1/16" (1.6 mm) Avlug®. For 1/16" Avlug use the 7536 power tool.

- Average cycle time of less than 2 seconds to increase productivity – up to 1500 fasteners per hour
- High capacity, magazine fed fasteners reduces component handling and subsequent spillage
- Robust & durable construction makes it suitable for most industrial environments
- Lightweight construction (split power tool and intensifier) and low actuation recoil reduces operator fatigue
- Available with in-line handle or bottom hose configuration
- Low maintenance power tool maximizes productive time – no requirement for specialist maintenance training
- Long life, self priming intensifier provides consistent actuation and hence joint formation
- Long reach barrel for use in many difficult access applications

753 Standard tool

Suspended

7536

Autoload

A suspended version is available that can be supported on a balancer to be quickly and easily moved or discarded – reducing downtime and operator fatigue.

The Autoload system is ideal for high volume production > 5,000,000 fasteners per year. Autoload provides bowl fed fasteners to minimise reloading downtime and maximize productivity. The fasteners are automatically loaded onto the mandrel. When fasteners on one mandrel are spent, the tool is placed in the nest, and the system inserts a fully-loaded replacement into the modified 753 tool. The system features an operator interface board that displays real-time reports on machine cycles and fault diagnostics. The data also can be linked to a network allowing off-site monitoring and maintenance.

Power Tools

7537 Power Tool

Lightweight, hydro-pneumatic power tool with integrated intensifier places all speed fasteners except 1/16" (1.6 mm) Avlug® fastener.

- Average cycle time of approx. 1 second increases productivity
- No need for long umbilical makes it flexible to use in different production environment
- Specially toughened plastic body and heavy duty rubber base increase the impact resistance and durability
- Can place the same range of fasteners and uses the same nose equipment as 7530 power tool
- Ease of maintenance due to integral cycle counter
- Patent Protected features

7537

Workstations Single-head

These single-head workstations can place the entire range of Speed Fastening® Systems and stand out for their ergonomic design. Rapid assembly makes them cost-effective, even with small batch sizes. Simple to operate, high mobility and easy integration into the production process are the main features. Time-consuming training of an operator is not necessary. The hydraulic riveting units provide a smooth and shock-free riveting, ideal for sensitive components. All tools only require compressed-air supply.

Pantograph Workstation

- Tool supported on an extendable arm
- Wide arm reach to over 31.5" (0.8 m)
- Single hand operation
- The arm can be moved around the worktop to make space for other tasks
- Intensifier can be bench or floor mounted

Fixed Arm Workstation

- Tool supported on a fixed arm
- Foot pedal control, leaving both hands free to position the workpiece
- Easy alignment of workpiece
- Height adjustable arm to meet the operator's precise ergonomic needs

Underbench Workstation

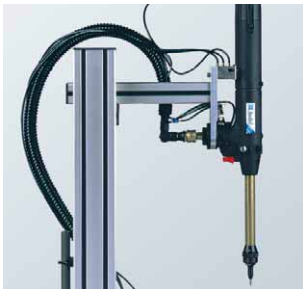
- Cost-effective workstation, requiring minimum space
- Mounted below the worktop leaving a free work surface
- Foot pedal control, leaving both hands free to position the workpiece
- Easy alignment and precision assembly of small components
- Integral safety guard

70510 Underbench workstation

70510 Underbench workstation

7535 Pantograph workstation

7535 Fixed arm workstation



Workstations Multi-head

Mini-MAS

The Mini-MAS is a twin-head assembly station for fast, parallel assembly with compact and ergonomic design making it very easy to integrate into existing assembly lines.

- Double-head parallel riveting optimizes your assembly and increases the quality of the joining
- The rivets are presented in pairs and provide practical jig points for your components
- Possible linear positioning of one riveting module provides progressive adjustment of the riveting pitch from 1.142" up to 4.724" (close pitch version .669" – 4.252")
- Suitable for many applications
- Hydraulic riveting modules provide smooth and shock-free riveting
- Activation by a foot pedal, leaving the hands free for component handling
- Seated workstation (stand version optional available)
- ESD construction as an option

Mini-MAS

Standard nose equipment

Close pitch version

Multi-head Assembly Workstations

Multi-head assembly workstations are designed for the synchronous placement of multiple fasteners. Systems can be simple fixed, two head workstations or complex systems where as many as 60 fasteners can be placed at the same time. Most multi headed systems are customized to some extent which means that the user can enjoy the benefits of an assembly solution designed to their own specific requirements.

- Synchronous fastener placement maximizes productivity and throughput
- In built fixturing reduces assembly time
- Modular assembly technology reduces maintenance costs
- Diagnostics capability improves quality control; preventive maintenance regimes can be implemented
- These workstations can be readily integrated into existing production facilities

Assembly Workstations

Automated Assembly Systems

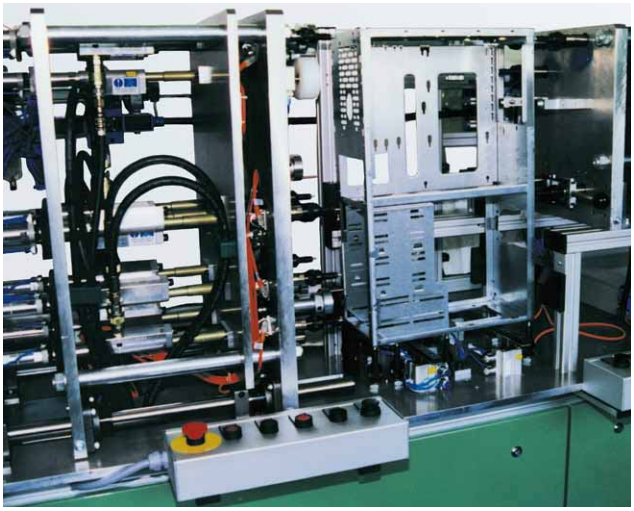
Automated assembly systems are designed for integration within production lines and offer a complete operator free assembly solution for highest levels of productivity.

- Bowl fed fasteners for continuous fastening
- In line integration
- Diagnostic capability through operator interface
- Modular design with simple equipment access for simple maintenance processes

MIRS System to assemble vacuum pumps

PMP System

29 placing heads to assemble computer chassis

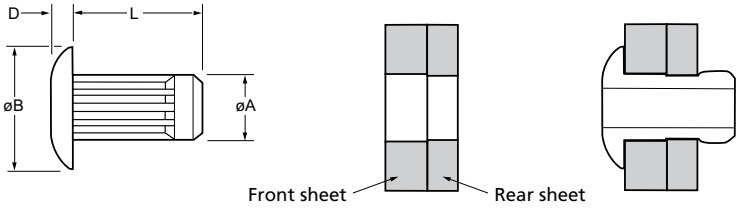


10 placing heads to assemble automotive sealing strips

NeoSpeed® 57101 Series
Aluminum

English	Français	Deutsch	Italiano	Español
Mushroom head	Tête plate	Flachrundkopf	Testa a fungo	Cabeza alomada
Aluminum Alloy* (5% Mg) Natural	Alliage d'aluminium* (5% Mg) Brut	Aluminium* (5% Mg) Blank	Lega di alluminio* (5% Mg) Nessuna finitura	Aluminio* (5% Mg) Natural

* : BS 1473 5056A DIN 1725 AlMg5 Werkstoff 3.3555



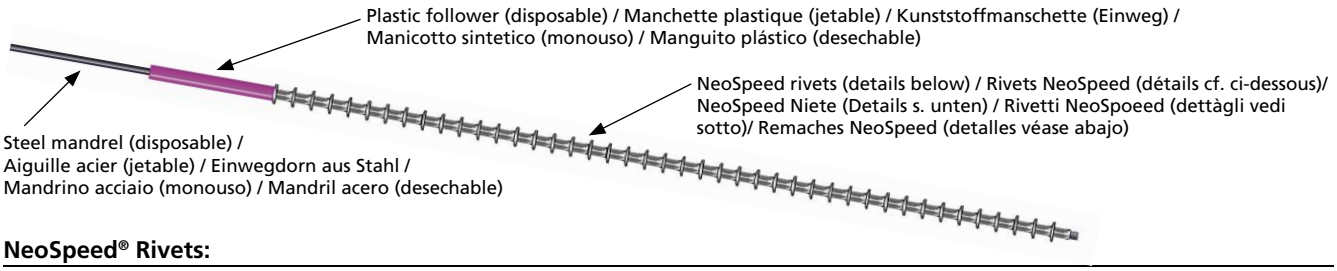
ø			Front sheet Pièce avant / oberes Bauteil / lamiera anteriore / pieza delantera		Rear sheet Pièce arriere / unteres Bauteil / lamiera posteriore / pieza trasera		øB	D	L	øA			Fasteners per pod Nombre de rivets par chargeur / Niete pro Magazin / Rivetti per caricatore / Uds./carga	Part No.
nom.	min.	max.	min.	max.	min.	max.	max.	max.	max.	max.	lbf *(kN)*[1]	lbf *(kN)*[1]	± 1	
1/8" *(3.2)*	.016 *(0.4)*	.079 *(2.0)*	.1319 *(3.35)*	.1425 *(3.62)*	.1283 *(3.26)*	.1346 *(3.42)*	.257 *(6.53)*	.043 *(1.10)*	.187 *(4.8)*	.1245 *(3.17)*	170 *(0.76)*	281 *(1.25)*	52	57101-03204
		.177 *(4.5)*							.287 *(7.3)*				37	57101-03207
		.339 *(8.6)*							.453 *(11.5)*				24	57101-03211
5/32" *(4.0)*	.020 *(0.5)*	.086 *(2.2)*	.1614 *(4.10)*	.1744 *(4.43)*	.1563 *(3.97)*	.1646 *(4.18)*	.322 *(8.18)*	.049 *(1.25)*	.213 *(5.4)*	.1535 *(3.90)*	267 *(1.19)*	427 *(1.90)*	47	57101-04005
		.197 *(5.0)*							.315 *(8.0)*				33	57101-04007
		.358 *(9.1)*							.461 *(11.7)*				23	57101-04011
3/16" *(4.8)*	.024 *(0.6)*	.095 *(2.4)*	.1969 *(5.00)*	.2126 *(5.40)*	.1909 *(4.85)*	.2008 *(5.10)*	.382 *(9.71)*	.059 *(1.50)*	.229 *(5.8)*	.1885 *(4.79)*	373 *(1.66)*	651 *(2.90)*	44	57101-04805
		.204 *(5.2)*							.350 *(8.9)*				30	57101-04808
		.362 *(9.2)*							.500 *(12.7)*				22	57101-04812

dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

1) typical values / valeurs moyennes / typische Werte / Valori tipici / valores típicos

NeoSpeed® 57101 "Cartridge" Series
Aluminum

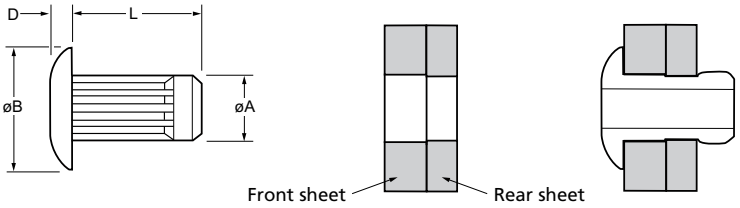
NeoSpeed® "Cartridge":
Pre-loaded disposable mandrel / Aiguille pré-chargée jetable / Vormagaziniert auf Einwegdorn / Precaricato su mandrino monouso / Mandril desechable precargado



NeoSpeed® Rivets:

English	Français	Deutsch	Italiano	Español
Mushroom head	Tête plate	Flachrundkopf	Testa a fungo	Cabeza alomada
Aluminum Alloy* (5% Mg) Natural	Alliage d'aluminium* (5% Mg) Brut	Aluminium* (5% Mg) Blank	Lega di alluminio* (5% Mg) Nessuna finitura	Aluminio* (5% Mg) Natural

* : BS 1473 5056A DIN 1725 AlMg5 Werkstoff 3.3555



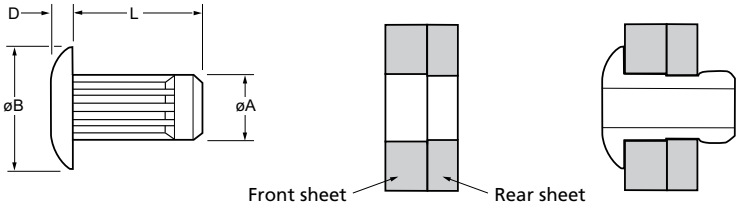
ø			Front sheet Pièce avant / oberes Bauteil / lamiera anteriore / pieza delantera		Rear sheet Pièce arriere / unteres Bauteil / lamiera posteriore / pieza trasera		øB	D	L	øA			Fasteners p. cartridge Nombre de rivets par aiguille / Niete pro Dorn / Rivetti per mandrino / Uds./mandril	Cartridge Part No.
nom.	min.	max.	min.	max.	min.	max.	max.	max.	max.	max.	lbf *(kN)*[1]	lbf *(kN)*[1]	± 1	
1/8" *(3.2)*	.016 *(0.4)*	.079 *(2.0)*	.1319 *(3.35)*	.1425 *(3.62)*	.1283 *(3.26)*	.1346 *(3.42)*	.257 *(6.53)*	.043 *(1.10)*	.187 *(4.8)*	.1245 *(3.17)*	170 *(0.76)*	281 *(1.25)*	52	57101-13204
		.177 *(4.5)*							.287 *(7.3)*				37	57101-13207
		.339 *(8.6)*							.453 *(11.5)*				24	57101-13211
5/32" *(4.0)*	.020 *(0.5)*	.086 *(2.2)*	.1614 *(4.10)*	.1744 *(4.43)*	.1563 *(3.97)*	.1646 *(4.18)*	.322 *(8.18)*	.049 *(1.25)*	.213 *(5.4)*	.1535 *(3.90)*	267 *(1.19)*	427 *(1.90)*	47	57101-14005
		.197 *(5.0)*							.315 *(8.0)*				33	57101-14007
		.358 *(9.1)*							.461 *()11.7*				23	57101-14011
3/16" *(4.8)*	.024 *(0.6)*	.095 *(2.4)*	.1969 *(5.00)*	.2126 *(5.40)*	.1909 *(4.85)*	.2008 *(5.10)*	.382 *(9.71)*	.059 *(1.50)*	.229 *(5.8)*	.1885 *(4.79)*	373 *(1.66)*	651 *(2.90)*	44	57101-14805
		.204 *(5.2)*							.350 *(8.9)*				30	57101-14808
		.362 *(9.2)*							.500 *(12.7)*				22	57101-14812

dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*
1) typical values / valeurs moyennes / typische Werte / Valori tipici / valores típicos

NeoSpeed® 57121 Series
Steel

English	Français	Deutsch	Italiano	Español
Mushroom head	Tête plate	Flachrundkopf	Testa tonda	Cabeza alomada
Steel* Zinc plated Clear trivalent passivated	Acier* Revêtement zingué Passivation claire trivalente	Stahl* Verzinkt Klar chromatiert, Cr6-frei	Acciaio* Zincato Passivazione chiara trivalente	Acero* Zincado Pasivado claro trivalente

* : EN 10263-2 C8C SAE 1008 DIN 1654 QSt34-3



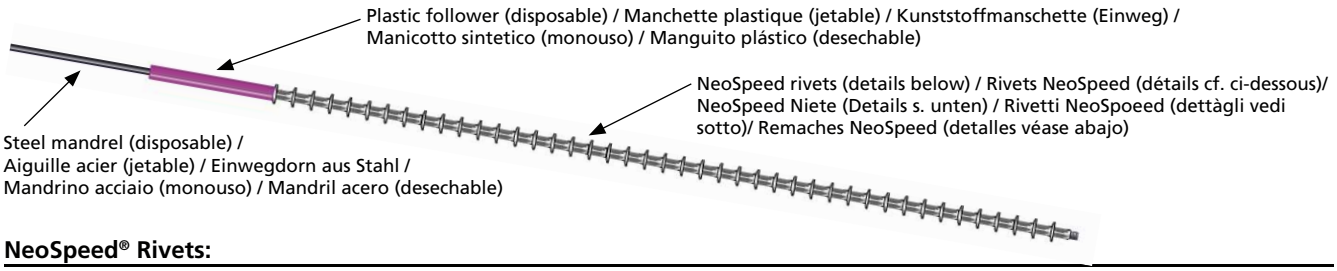
ø			Front sheet Pièce avant / oberes Bauteil / lamiera anteriore / pieza delantera		Rear sheet Pièce arriere / unteres Bauteil / lamiera posteriore / pieza trasera		øB	D	L	øA			Fasteners per pod Nombre de rivets par chargeur / Niete pro Magazin / Rivetti per caricatore / Uds./carga	Part No.
nom.	min.	max.	min.	max.	min.	max.	max.	max.	max.	max.	lbf *(kN)*[1]	lbf *(kN)*[1]	± 1	
1/8" *(3.2)*	.016 *(0.4)*	.079 *(2.0)*	.1319 *(3.35)*	.1425 *(3.62)*	.1283 *(3.26)*	.1346 *(3.42)*	.257 *(6.53)*	.043 *(1.10)*	.187 *(4.8)*	.1245 *(3.17)*	260 *(1.16)*	420 *(1.87)*	52	57121-03204
		.177 *(4.5)*							.287 *(7.3)*				37	57121-03207
		.339 *(8.6)*							.453 *(11.5)*				24	57121-03211
5/32" *(4.0)*	.020 *(0.5)*	.086 *(2.2)*	.1614 *(4.10)*	.1744 *(4.43)*	.1563 *(3.97)*	.1646 *(4.18)*	.322 *(8.18)*	.049 *(1.25)*	.213 *(5.4)*	.1535 *(3.90)*	404 *(1.80)*	674 *(3.00)*	47	57121-04005
		.197 *(5.0)*							.315 *(8.0)*		449 *(2.00)*		33	57121-04007
		.358 *(9.1)*							.461 *(11.7)*			629 *(2.80)*	23	57121-04011
3/16" *(4.8)*	.024 *(0.6)*	.095 *(2.4)*	.1969 *(5.00)*	.2126 *(5.40)*	.1909 *(4.85)*	.2008 *(5.10)*	.382 *(9.71)*	.059 *(1.50)*	.229 *(5.8)*	.1885 *(4.79)*	539 *(2.60)*	944 *(4.20)*	44	57121-04805
		.204 *(5.2)*							.350 *(8.9)*				30	57121-04808
		.362 *(9.2)*							.500 *(12.7)*				22	57121-04812

dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

1) typical values / valeurs moyennes / typische Werte / Valori tipici / valores típicos

NeoSpeed® 57121 "Cartridge" Series
Steel

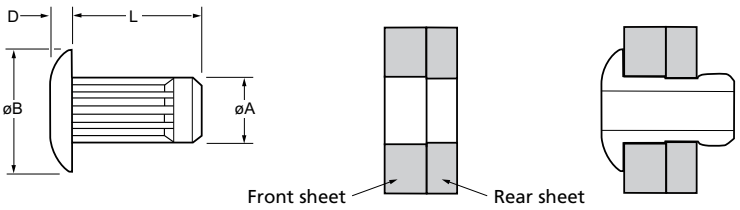
NeoSpeed® "Cartridge":
Pre-loaded disposable mandrel / Aiguille pré-chargée jetable / Vormagaziniert auf Einwegdorn / Precaricato su mandrino monouso / Mandril desechable precargado



NeoSpeed® Rivets:

English	Français	Deutsch	Italiano	Español
Mushroom head	Tête plate	Flachrundkopf	Testa tonda	Cabeza alomada
Steel* Zinc plated Clear trivalent passivated	Acier* Revêtement zingué Passivation claire trivalente	Stahl* Verzinkt Klar chromatiert, Cr6-frei	Acciaio* Zincato Passivazione chiara trivalente	Acero* Zincado Pasivado claro trivalente

* : EN 10263-2 C8C SAE 1008 DIN 1654 QSt34-3



ø			Front sheet Pièce avant / oberes Bauteil / lamiera anteriore / pieza delantera		Rear sheet Pièce arriere / unteres Bauteil / lamiera posteriore / pieza trasera		øB	D	L	øA			Fasteners p. cartridge Nombre de rivets par aiguille / Niete pro Dorn / Rivetti per mandrino / Uds./mandril	Cartridge Part No.
nom.	min.	max.	min.	max.	min.	max.	max.	max.	max.	max.	lbf (kN)[1]	lbf (kN)[1]	± 1	
1/8" (3.2)	.016 (0.4)	.079 (2.0)	.1319 (3.35)	.1425 (3.62)	.1283 (3.26)	.1346 (3.42)	.257 (6.53)	.043 (1.10)	.187 (4.8)	.1245 (3.17)	260 (1.16)	420 (1.87)	52	57121-13204
		.177 (4.5)							.287 (7.3)				37	57121-13207
		.339 (8.6)							.453 (11.5)				24	57121-13211
5/32" (4.0)	.020 (0.5)	.086 (2.2)	.1614 (4.10)	.1744 (4.43)	.1563 (3.97)	.1646 (4.18)	.322 (8.18)	.049 (1.25)	.213 (5.4)	.1535 (3.90)	404 (1.80)	674 (3.00)	47	57121-14005
		.197 (5.0)							.315 (8.0)		449 (2.00)		33	57121-14007
		.358 (9.1)							.461 (11.7)			629 (2.80)	23	57121-14011
3/16" (4.8)	.024 (0.6)	.095 (2.4)	.1969 (5.00)	.2126 (5.40)	.1909 (4.85)	.2008 (5.10)	.382 (9.71)	.059 (1.50)	.229 (5.8)	.1885 (4.79)	539 (2.60)	944 (4.20)	44	57121-14805
		.204 (5.2)							.350 (8.9)				31	57121-14808
		.362 (9.2)							.500 (12.7)				22	57121-14812

dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*
1) typical values / valeurs moyennes / typische Werte / Valori tipici / valores típicos

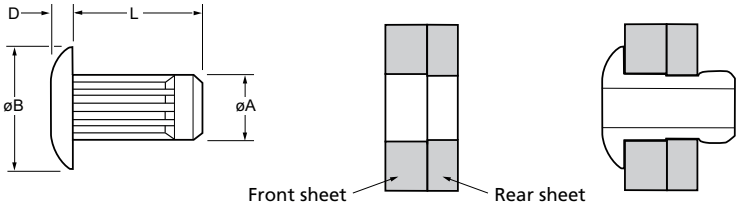
POP® Avdel®

NeoSpeed® 57141 Series

Stainless Steel A4

English	Français	Deutsch	Italiano	Español
Mushroom head	Tête plate	Flachrundkopf	Testa tonda	Cabeza alomada
A4 Stainless Steel* Passivated	A4 Inox* Passivation	A4 Edelstahl* Passiviert	A4 Acciaio inox* Passivazione	A4 Acero inoxidable* Pasivado

*: EN 10263-5 / X3CrNiCuMo17-11-3-2 / Werkstoff 1.4578 / AISI 316Cu



ø			Front sheet Pièce avant / oberes Bauteil / lamiera anteriore / pieza delantera		Rear sheet Pièce arriere / unteres Bauteil / lamiera posteriore / pieza trasera		øB	D	L	øA			Fasteners per pod Nombre de rivets par chargeur / Niete pro Magazin / Rivetti per caricatore / Uds./carga	Part No.
nom.	min.	max.	min.	max.	min.	max.	max.	max.	max.	max.	lbf (kN)[1]	lbf (kN)[1]	± 1	
1/8" (3.2)	.016 (0.4)	.079 (2.0)	.1319 (3.35)	.1425 (3.62)	.1283 (3.26)	.1346 (3.42)	.247 (6.27)	.044 (1.12)	.187 (4.8)	.1245 (3.17)	415 (1.85)	618 (2.75)	52	57141-03204
		.177 (4.5)							.287 (7.3)				37	57141-03207
		.260 (6.6)							.374 (9.5)				29	57141-03209
5/32" (4.0)	.020 (0.5)	.086 (2.2)	.1614 (4.10)	.1744 (4.43)	.1563 (3.97)	.1646 (4.18)	.312 (7.93)	.049 (1.25)	.213 (5.4)	.1525 (3.84)	629 (2.80)	966 (4.30)	47	57141-04005
		.197 (5.0)							.315 (8.0)		651 (2.90)	899 (4.00)	33	57141-04007
		.279 (7.1)							.382 (9.7)			876 (3.90)	28	57141-04009
3/16" (4.8)	.024 (0.6)	.095 (2.4)	.1969 (5.00)	.2087 (5.30)	.1909 (4.85)	.2008 (5.10)	.372 (9.45)	.059 (1.50)	.229 (5.8)	.1895 (4.82)	989 (4.40)	1461 (6.50)	44	57141-04805
		.204 (5.2)							.350 (8.9)			1326 (5.90)	30	57141-04808
		.283 (7.2)							.429 (10.9)			1304 (5.80)	25	57141-04810

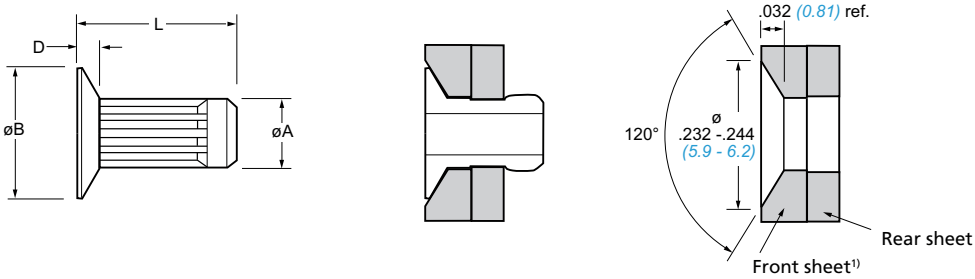
dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

1) typical values / valeurs moyennes / typische Werte / Valori tipici / valores típicos

NeoSpeed® 57221 Series
Steel

English	Français	Deutsch	Italiano	Español
120° Countersunk head	120° Tête fraisée	120° Senkkopf	120° Testa svasata	120° Cabeza avellanada
Steel* Zinc plated Clear trivalent passivated	Acier* Zingué Passivation claire trivalente	Stahl* Verzinkt Klar chromatiert, Cr6-frei	Acciaio* Zincato Passivazione chiara trivalente	Acero* Zincado Pasivado claro trivalente

* : EN 10263-2 C8C SAE 1008 DIN 1654 QSt34-3



ø			Front sheet Pièce avant / oberes Bauteil / lamiera anteriore / pieza delantera		Rear sheet Pièce arriere / unteres Bauteil / lamiera posteriore / pieza trasera		øB	D	L	øA			Fasteners per pod Nombre de rivets par chargeur / Niete pro Magazin / Rivetti per caricatore / Uds./carga ± 1	Part No.
nom.	min.	max.	min.	max.	min.	max.	max.	max.	max.	max.	lbf (kN)2)	lbf (kN)2)		
		.079 (2.0)							.187 (4.8)		211 (0.94)	431 (1.92)	64	57221-03204
1/8" (3.2)	.039 (1.0)	.177 (4.5)	.1283 (3.26)	.1315 (3.34)	.1283 (3.26)	.1346 (3.42)	.230 (5.84)	.0315 (0.80)	.287 (7.3)	.1245 (3.17)	258 (1.15)	395 (1.76)	42	57221-03207
		.339 (8.6)							.453 (11.5)		258 (1.15)	377 (1.68)	27	57221-03211

dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

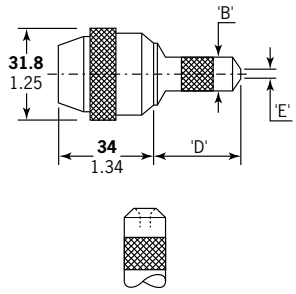
1) Front sheet thickness must exceed the full depth of countersink. / L'épaisseur de la pièce recevant la tête fraisée doit être plus importante que la profondeur de fraisage. / Die Materialstärke des oberen Bauteils muss die volle Tiefe der Senkung überschreiten. / Spessore della lamiera anteriore deve superare la profondità di svasatura. / El espesor de la pieza delantera debe superar la profundidad de avellanado.

2) typical values / valeurs moyennes / typische Werte / Valori tipici / valores típicos

NeoSpeed® Nose Equipment

Ensembles de nez / Mundstücke / Equipaggiamento / Equipos de colocación

STANDARD CAM OPERATED



RECESSED

Nose equipment with addition of a twist cam to ease and speed up the nose jaw opening thus the pod reloading procedure.

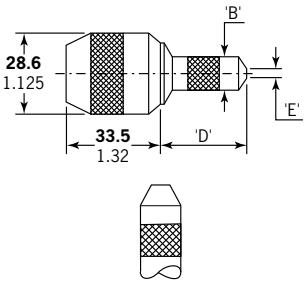
Ensembles de nez avec, en plus, une came facilitant et accélérant l'ouverture du nez de pose, et donc le rechargement en fixations.

Zum leichteren Magazinieren haben diese Mundstücke durch einen Drehring zu öffnende Mundstückschnäbel.

Equipaggiamento con l'aggiunta di una camma per facilitare e rendere più veloce l'apertura della testata e pertanto la procedura di ricarica dell'astuccio portarivetti.

Boquillas que incorporan una leva para facilitar y hacer más rápida la apertura de la boquilla y el procedimiento de carga.

STANDARD



TAPERED

Applications with no or little access restrictions.

Pour applications ne présentant que peu ou pas de contraintes d'accès.

Für alle gut zugänglichen Nietpunkte.

Adatta per applicazioni senza restrizioni di accesso o con restrizioni di accesso limitate.

Apta para aquellas aplicaciones sin ninguna o pocas restricciones da acceso.

ø nom.	Head Style Forme de tête Kopfform Forma della testa Forma de cabeza	Nose Equipment Nez de pose Mundstück Testata Boquilla	Part No.	Dimensions Dimension / Abmessungen Dimensioni / Dimensiones		
				B	D	E
1/8" *(3.2)*	Mushroom[1)]	Standard cam operated	07530-03200	.41 *(10.41)*	1.18 *(29.97)*	.20 *(5.08)*
	Countersunk[2)]	Standard	07170-03104	.36 *(9.14)*	1.30 *(33.02)*	.16 *(4.06)*
5/32" *(4.0)*	Mushroom[1)]	Standard cam operated	07530-03300	.48 *(12.90)*	1.30 *(33.02)*	.24 *(6.10)*
3/16" *(4.8)*	Mushroom[1)]	Standard cam operated	07530-03400	.56 *(14.22)*	1.18 *(29.97)*	.33 *(8.38)*

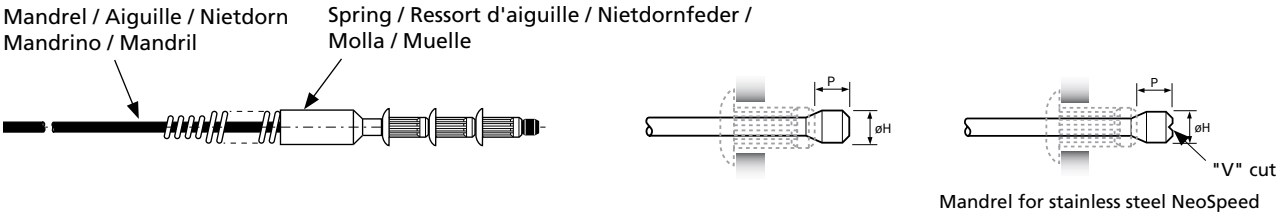
dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

[1)] Tête plate / Flachrundkopf / testa a fungo / cabeza alomada

[2)] Tête fraisée / Senkkopf / testa svasata / cabeza avellanada

NeoSpeed® Mandrel and Spring Information

Aiguilles et Ressorts d'aiguille / Nietdorne und -federn / Mandrini e Molle / Mandriles y Muelles



Mandrel for stainless steel NeoSpeed

ø nom.	Material Matériaux Material Materiale Material	Description Description Beschreibung Descrizione Descripción	ø H nom.	P max.	Mandrel[1)] Part No.	Spring[1)] Part No.
1/8" *(3.2)*	Aluminum[2)], Steel[3)]	Standard	.091 *(2.30)*	.120 *(3.05)*	07530-06014	07150-06814
	Stainless Steel[4)]	Standard	.094 *(2.39)*	.120 *(3.05)*	07530-06804	
5/32" *(4.0)*	Aluminum[2)], Steel[3)]	Standard	.105 *(2.67)*	.136 *(3.45)*	07530-06015	07170-06875
	Stainless Steel[4)]	Standard	.115 *(2.93)*	.138 *(3.50)*	07530-06805	
3/16" *(4.8)*	Aluminum[2)], Steel[3)]	Standard	.139 *(3.53)*	.157 *(3.99)*	07530-06016	07170-06876
	Stainless Steel[4)]	Standard	.135 *(3.43)*	.156 *(3.96)*	07530-06806	

dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

1) for use with paper magazine / pour utilisation avec chargeur papier / für Verarbeitung mit Papiermagazin / da usare con caricatori blister di carta / sólo para remaches en tiras de papel
2) Aluminium / Aluminium / Alluminio / Aluminio
3) Acier / Stahl / Acciaio / Acero
4) Inox / Edelstahl / Acciaio inox / Acero inoxidable

Briv® 1801 / (1804 / 1861) Series
Aluminum

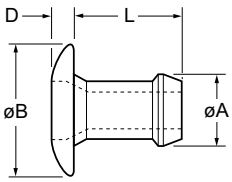
English	Français	Deutsch	Italiano	Español
Dome head	Tête plate	Flachrundkopf	Testa tonda	Cabeza alomada
Aluminum alloy* (5 % Mg) Natural	Alliage d'aluminium* (5% Mg) Brut	Aluminium* (5 % Mg) Blank	Lega di alluminio* (5% Mg) Nessuna finitura	Aluminio* (5% Mg) Natural

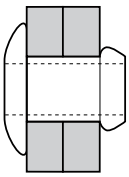
*: BS 1473 5056A DIN 1725 AlMg5 Werkstoff 3.3555

Optional on request / sur demande / auf Anfrage / su richiesta / bajo petición:

For anodized, dyed red replace part no. 01801 with 01804 / pour anodisé rouge remplacer la série 01801 par 01804 / für rot eloxiert ersetzen Sie 01801 durch 01804 / per anodizzato rosso sostituire 01801 con 01804 / para anodizado rojo cambiar 01801 por 01804

For 2.5 % Mg aluminum alloy replace part no. 01801 with 01861 / pour 2.5 % Mg alliage d'aluminium remplacer la série 01801 par 01861 / für 2.5 % Mg Aluminium-Legierung ersetzen Sie 01801 durch 01861 / per 2.5 % Mg lega di alluminio sostituire 01801 con 01861 / para Aluminio (2,5 % de Mg) cambiar 01801 por 01861





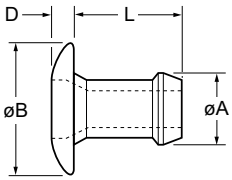
ø					øB	D	L	øA			Fasteners per pod Nombre de rivets par chargeur / Niete pro Magazin / Rivetti per caricatore / Uds./carga	Part No.
nom.	min.	max.	min.	max.	max.	max.	max.	max.	lbf *(kN)*[1]	lbf *(kN)*[1]	± 1	
	.045 *(1.14)*	.095 *(2.42)*					.157 *(3.98)*				64	01801-00304
	.085 *(2.15)*	.135 *(3.43)*					.197 *(5.00)*				52	01801-00306
	.125 *(3.17)*	.175 *(4.45)*					.237 *(6.02)*				44	01801-00308
	.165 *(4.19)*	.215 *(5.47)*					.277 *(7.04)*				38	01801-00310
3/32" *(2.4)*	.205 *(5.20)*	.255 *(6.48)*	.093 *(2.36)*	.096 *(2.44)*	.162 *(4.11)*	.035 *(0.89)*	.317 *(8.05)*	.0923 *(2.35)*	60 *(0.27)*	100 *(0.44)*	34	01801-00312
	.245 *(6.22)*	.295 *(7.50)*					.357 *(9.07)*				30	01801-00314
	.265 *(6.73)*	.315 *(8.00)*					.377 *(9.57)*				28	01801-00315
	.285 *(7.24)*	.335 *(8.51)*					.397 *(10.08)*				27	01801-00316
	.305 *(7.75)*	.355 *(9.02)*					.417 *(10.59)*				26	01801-00317

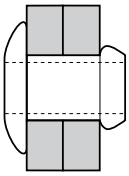
dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

1) typical values / valeurs moyennes / typische Werte / Valori tipici / valores típicos

POP® Avdel®

Briv® 1801 / (1804 / 1861) Series
Aluminum





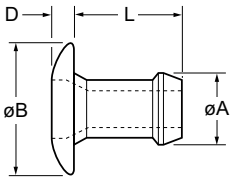
ø					øB	D	L	øA			Fasteners per pod Nombre de rivets par chargeur / Niete pro Magazin / Rivetti per caricatore / Uds./carga ± 1	Part No.
	min.	max.	min.	max.	max.	max.	max.	max.	lbf *(kN)*[1]	lbf *(kN)*[1]		
1/8" *(3.2)*	.025 *(0.64)*	.075 *(1.91)*	.1285 *(3.26)*	.1315 *(3.34)*	.257 *(6.53)*	.039 *(0.99)*	.152 *(3.86)*	.1235 *(3.14)*	170 *(0.76)*	295 *(1.31)*	59	01801-00403
	.045 *(1.14)*	.095 *(2.42)*					.172 *(4.37)*				58	01801-00404
	.065 *(1.65)*	.115 *(2.87)*					.192 *(4.87)*				50	01801-00405
	.085 *(2.15)*	.135 *(3.43)*					.212 *(5.39)*				48	01801-00406
	.125 *(3.17)*	.175 *(4.45)*					.252 *(6.41)*				42	01801-00408
	.165 *(4.19)*	.215 *(5.47)*					.292 *(7.42)*				37	01801-00410
	.205 *(5.20)*	.255 *(6.48)*					.332 *(8.44)*				33	01801-00412
	.245 *(6.22)*	.295 *(7.50)*					.372 *(9.45)*				29	01801-00414
	.285 *(7.24)*	.335 *(8.51)*					.412 *(10.46)*				26	01801-00416
5/32" *(4.0)*	.062 *(1.57)*	.115 *(2.93)*	.1562 *(3.97)*	.1592 *(4.04)*	.322 *(8.18)*	.039 *(0.99)*	.193 *(4.91)*	.1525 *(3.88)*	255 *(1.14)*	390 *(1.74)*	52	01801-00505
	.085 *(2.15)*	.135 *(3.43)*					.213 *(5.41)*				49	01801-00506
	.105 *(2.66)*	.155 *(3.94)*					.233 *(5.92)*				44	01801-00507
	.145 *(3.68)*	.195 *(4.96)*					.273 *(6.94)*				39	01801-00509
	.185 *(4.69)*	.235 *(5.97)*					.313 *(7.95)*				34	01801-00511
	.225 *(5.71)*	.275 *(6.99)*					.353 *(8.97)*				31	01801-00513
	.265 *(6.73)*	.315 *(8.00)*					.393 *(9.98)*				26	01801-00515
	.305 *(7.75)*	.355 *(9.02)*					.433 *(11.00)*				24	01801-00517

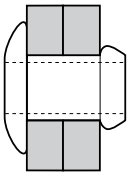
dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

1) typical values / valeurs moyennes / typische Werte / Valori tipici / valores típicos

POP® Avdel®

Briv® 1801 / (1804 / 1861) Series
Aluminum





ø	min.	max.	min.	max.	øB max.	D max.	L max.	øA max.	lbf *(kN)*[1]	lbf *(kN)*[1]	Fasteners per pod Nombre de rivets par chargeur / Niete pro Magazin / Rivetti per caricatore / Uds./carga ± 1	Part No.
3/16" *(4.8)*	.065 *(1.65)*	.130 *(3.30)*	.1910 *(4.85)*	.1940 *(4.93)*	.382 *(9.71)*	.046 *(1.17)*	.212 *(5.39)*	.1875 *(4.77)*	340 *(1.51)*	615 *(2.74)*	46	01801-00606
	.080 *(2.03)*	.155 *(3.94)*					.240 *(6.10)*				42	01801-00607
	.145 *(3.68)*	.205 *(5.21)*					.290 *(7.37)*				35	01801-00609
	.195 *(4.95)*	.255 *(6.48)*					.340 *(8.64)*				31	01801-00611
	.245 *(6.22)*	.305 *(7.75)*					.390 *(9.91)*				27	01801-00613
	.295 *(7.49)*	.355 *(9.02)*					.440 *(11.18)*				24	01801-00615
	.345 *(8.76)*	.405 *(10.29)*					.490 *(12.45)*				22	01801-00617
	.395 *(10.03)*	.455 *(11.56)*					.530 *(13.46)*				20	01801-00619
6.0 mm	.105 *(2.66)*	.155 *(3.94)*	.2338 *(5.94)*	.2373 *(6.02)*	.455 *(11.55)*	.053 *(1.35)*	.273 *(6.93)*	.2325 *(5.90)*	380 *(1.69)*	740 *(3.29)*	37	01801-06007
	.145 *(3.68)*	.195 *(4.95)*					.313 *(7.94)*				33	01801-06009
	.185 *(4.70)*	.235 *(5.96)*					.353 *(8.96)*				29	01801-06011
	.225 *(5.71)*	.275 *(6.98)*					.393 *(9.98)*				26	01801-06013
	.265 *(6.73)*	.315 *(7.99)*					.433 *(10.99)*				24	01801-06015
	.305 *(7.74)*	.355 *(9.01)*					.473 *(12.00)*				23	01801-06017

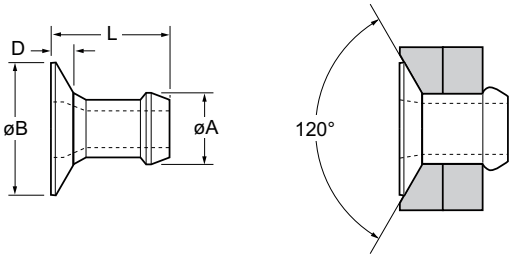
dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

1) typical values / valeurs moyennes / typische Werte / Valori tipici / valores típicos

Briv® 1802 Series
Aluminum

English	Français	Deutsch	Italiano	Español
120° Countersunk	120° Tête fraisée	120° Senkkopf	120° Testa svasata	120° Cabeza avellanada
Aluminum alloy* (5 % Mg) Natural	Alliage d'aluminium* (5% Mg) Brut	Aluminium* (5 % Mg) Blank	Lega di alluminio* (5% Mg) Nessuna finitura	Aluminio* (5% Mg) Natural

*: BS 1473 5056A DIN 1725 AlMg5 Werkstoff 3.3555



ø					øB	D	L	øA			Fasteners per pod Nombre de rivets par chargeur / Niete pro Magazin / Rivetti per caricatore / Uds./carga	Part No.
nom.	min.	max.	min.	max.	max.	max.	max.	max.	lbf *(kN)*[1]	lbf *(kN)*[1]	± 1	
	.060 *(1.52)*	.110 *(2.79)*					.188 *(4.77)*				64	01802-00406
	.100 *(2.54)*	.150 *(3.81)*					.228 *(5.79)*				52	01802-00407
1/8" *(3.2)*	.140 *(3.56)*	.190 *(4.83)*	.1285 *(3.26)*	.1315 *(3.34)*	.230 *(5.84)*	.030 *(0.76)*	.268 *(6.81)*	.1245 *(3.17)*	170 *(0.76)*	295 *(1.31)*	44	01802-00408
	.180 *(4.57)*	.230 *(5.84)*					.308 *(7.82)*				38	01802-00410
	.220 *(5.59)*	.270 *(6.86)*					.348 *(8.84)*				33	01802-00411
	.062 *(1.57)*	.115 *(2.93)*					.204 *(5.18)*				59	01802-00505
	.085 *(2.15)*	.135 *(3.43)*					.224 *(5.69)*				54	01802-00506
5/32" *(4.0)*	.105 *(2.66)*	.155 *(3.94)*	.1562 *(3.97)*	.1592 *(4.04)*	.275 *(6.98)*	.040 *(1.02)*	.244 *(6.19)*	.1535 *(3.90)*	255 *(1.13)*	390 *(1.73)*	49	01802-00507
	.145 *(3.68)*	.195 *(4.96)*					.284 *(7.21)*				42	01802-00509
	.185 *(4.69)*	.235 *(5.97)*					.324 *(8.22)*				36	01802-00511
	.225 *(5.71)*	.275 *(6.99)*					.364 *(9.24)*				32	01802-00513

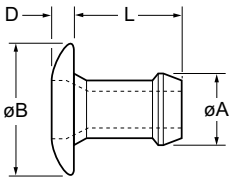
dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

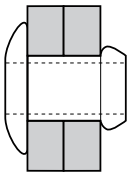
1) typical values / valeurs moyennes / typische Werte / Valori tipici / valores típicos

Briv® 1821 Series
Steel

English	Français	Deutsch	Italiano	Español
Dome head	Tête plate	Flachrundkopf	Testa tonda	Cabeza alomada
Low carbon steel*	Acier bas carbone*	Stahl*	Acciaio a basso tenore di carbonio*	Acero bajo en carbono*
Zinc plated Clear trivalent passivated	Revêtement zingué Passivation claire trivalente	Verzinkt Klar chromatiert, Cr6-frei	Zincato Passivazione chiara trivalente	Zincado Pasivado claro trivalente

*: SAE 1008 / EN 10263-2 C8C (DIN 10263-2 C8C, Qst 34-3)





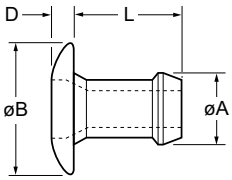
ø					øB	D	L	øA			Fasteners per pod Nombre de rivets par chargeur / Niete pro Magazin / Rivetti per caricatore / Uds./carga	Part No.
nom.	min.	max.	min.	max.	max.	max.	max.	max.	lbf *(kN)*[1]	lbf *(kN)*[1]	± 1	
	.025 *(0.64)*	.075 *(1.91)*					.152 *(3.86)*				59	01821-00403
	.045 *(1.14)*	.095 *(2.42)*					.172 *(4.37)*				58	01821-00404
	.065 *(1.65)*	.115 *(2.87)*					.192 *(4.87)*				50	01821-00405
	.085 *(2.15)*	.135 *(3.43)*					.212 *(5.39)*				48	01821-00406
1/8" *(3.2)*	.125 *(3.17)*	.175 *(4.45)*	.1285 *(3.26)*	.1315 *(3.34)*	.257 *(6.53)*	.039 *(0.99)*	.252 *(6.41)*	.1245 *(3.17)*	255 *(1.13)*	410 *(1.82)*	42	01821-00408
	.165 *(4.19)*	.215 *(5.47)*					.292 *(7.42)*				37	01821-00410
	.205 *(5.20)*	.255 *(6.48)*					.332 *(8.44)*				33	01821-00412
	.245 *(6.22)*	.295 *(7.50)*					.372 *(9.45)*				29	01821-00414
	.285 *(7.24)*	.335 *(8.51)*					.412 *(10.46)*				26	01821-00416

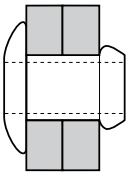
dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

1) typical values / valeurs moyennes / typische Werte / Valori tipici / valores típicos

POP® Avdel®

Briv® 1821 Series
Steel





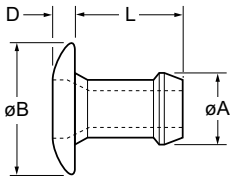
ø					øB	D	L	øA			Fasteners per pod Nombre de rivets par chargeur / Niete pro Magazin / Rivetti per caricatore / Uds./carga	Part No.
	min.	max.	min.	max.	max.	max.	max.	max.	lbf *(kN)*[1]	lbf *(kN)*[1]	± 1	
5/32" *(4.0)*	.062 *(1.57)*	.115 *(2.93)*	.1562 *(3.97)*	.1592 *(4.04)*	.322 *(8.18)*	.039 *(0.99)*	.193 *(4.91)*	.1535 *(3.90)*	370 *(1.65)*	630 *(2.80)*	52	01821-00505
	.085 *(2.15)*	.135 *(3.43)*					.213 *(5.41)*				49	01821-00506
	.105 *(2.66)*	.155 *(3.94)*					.233 *(5.92)*				44	01821-00507
	.145 *(3.68)*	.195 *(4.96)*					.273 *(6.94)*				39	01821-00509
	.185 *(4.69)*	.235 *(5.97)*					.313 *(7.95)*				34	01821-00511
	.225 *(5.71)*	.275 *(6.99)*					.353 *(8.97)*				31	01821-00513
	.265 *(6.73)*	.315 *(8.00)*					.393 *(9.98)*				26	01821-00515
	.305 *(7.75)*	.355 *(9.02)*					.433 *(11.00)*				24	01821-00517
3/16" *(4.8)*	.065 *(1.65)*	.130 *(3.30)*	.1910 *(4.85)*	.1940 *(4.93)*	.382 *(9.71)*	.046 *(1.17)*	.212 *(5.39)*	.1885 *(4.79)*	505 *(2.25)*	835 *(3.71)*	46	01821-00606
	.080 *(2.03)*	.155 *(3.94)*					.240 *(6.10)*				42	01821-00607
	.145 *(3.68)*	.205 *(5.21)*					.290 *(7.37)*				35	01821-00609
	.195 *(4.95)*	.255 *(6.48)*					.340 *(8.64)*				31	01821-00611
	.245 *(6.22)*	.305 *(7.75)*					.390 *(9.91)*				27	01821-00613
	.295 *(7.49)*	.355 *(9.02)*					.440 *(11.18)*				24	01821-00615
	.345 *(8.76)*	.405 *(10.29)*					.490 *(12.45)*				22	01821-00617

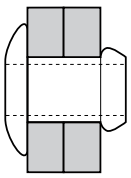
dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

1) typical values / valeurs moyennes / typische Werte / Valori tipici / valores típicos

POP® Avdel®

Briv® 1821 Series
Steel





ø					øB	D	L	øA			Fasteners per pod Nombre de rivets par chargeur / Niete pro Magazin / Rivetti per caricatore / Uds./carga	Part No.
	min.	max.	min.	max.	max.	max.	max.	max.	lbf *(kN)*[1]	lbf *(kN)*[1]	± 1	
6.0 mm	.105 *(2.66)*	.155 *(3.94)*	.2338 *(5.94)*	.2373 *(6.02)*	.455 *(11.55)*	.053 *(1.35)*	.273 *(6.93)*	.2335 *(5.93)*	580 *(2.58)*	950 *(4.22)*	37	01821-06007
	.145 *(3.68)*	.195 *(4.95)*					.313 *(7.94)*				33	01821-06009
	.185 *(4.70)*	.235 *(5.96)*					.353 *(8.96)*				29	01821-06011
	.225 *(5.71)*	.275 *(6.98)*					.393 *(9.98)*				26	01821-06013
	.265 *(6.73)*	.315 *(7.99)*					.433 *(10.99)*				24	01821-06015
	.305 *(7.74)*	.355 *(9.01)*					.473 *(12.00)*				23	01821-06017

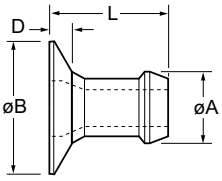
dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

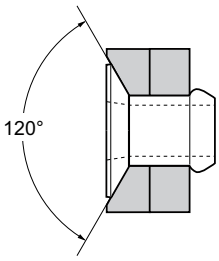
1) typical values / valeurs moyennes / typische Werte / Valori tipici / valores típicos

Briv® 1822 Series
Steel

English	Français	Deutsch	Italiano	Español
120° Countersunk	120° Tête fraisée	120° Senkkopf	120° Testa svasata	120° Cabeza avellanada
Low carbon steel*	Acier bas carbone*	Stahl*	Acciaio a basso tenore di carbonio*	Acero bajo en carbono*
Zinc plated Clear trivalent passivated	Revêtement zingué Passivation claire trivalente	Verzinkt Klar chromatiert, Cr6-frei	Zincato Passivazione chiara trivalente	Zincado Pasivado claro trivalente

*: SAE 1008 / EN 10263-2 C8C (DIN 10263-2 C8C, Qst 34-3)





ø					øB	D	L	øA			Fasteners per pod Nombre de rivets par chargeur/ Niete pro Magazin/ Rivetti per caricatore/ Uds./carga	Part No.
nom.	min.	max.	min.	max.	max	max.	max.	max.	lbf *(kN)*[1]	lbf *(kN)*[1]	± 1	
1/8" *(3.2)*	.060 *(1.52)*	.110 *(2.79)*	.1285 *(3.26)*	.1315 *(3.34)*	.230 *(5.84)*	.030 *(0.76)*	.188 *(4.77)*	.1245 *(3.17)*	213 *(0.95)*	370 *(1.65)*	64	01822-00406
	.100 *(2.54)*	.150 *(3.81)*					.228 *(5.79)*				52	01822-00407
	.140 *(3.56)*	.190 *(4.83)*					.268 *(6.81)*				44	01822-00408
	.180 *(4.57)*	.230 *(5.84)*					.308 *(7.82)*				38	01822-00410
	.220 *(5.59)*	.270 *(6.86)*					.348 *(8.84)*				33	01822-00411

Special Option: designed for thin sheet applications / Conçu pour des applications de faible épaisseur / für geringe Materialstärken / Progettato per applicazioni in spessori sottili/ Diseñado para aplicaciones de chapa fina

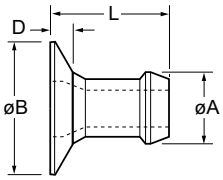
1/8" *(3.2)*	.050 *(1.27)*	.090 *(2.29)*	.1285 *(3.26)*	.1315 *(3.34)*	.230 *(5.84)*	.029 *(0.74)*	.170 *(4.32)*	.1245 *(3.17)*	213 *(0.95)*	370 *(1.65)*	72	01810-06480
	.057 *(1.45)*	.067 *(1.70)*				.027 *(0.69)*	.165 *(4.19)*				72	01810-10375

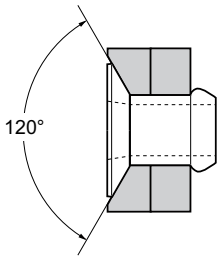
dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

1) typical values / valeurs moyennes / typische Werte / Valori tipici / valores típicos

POP® Avdel®

Briv® 1822 Series
Steel





ø					øB	D	L	øA			Fasteners per pod Nombre de rivets par chargeur/ Niete pro Magazin/ Rivetti per caricatore/ Uds./carga	Part No.
nom.	min.	max.	min.	max.	max	max.	max.	max.	lbf *(kN)*[1]	lbf *(kN)*[1]	± 1	
5/32" *(4.0)*	.062 *(1.57)*	.115 *(2.93)*	.1562 *(3.97)*	.1592 *(4.04)*	.275 *(6.98)*	.040 *(1.02)*	.204 *(5.18)*	.1535 *(3.90)*	370 *(1.65)*	630 *(2.80)*	59	01822-00505
	.086 *(2.15)*	.135 *(3.43)*					.224 *(5.69)*				54	01822-00506
	.105 *(2.66)*	.155 *(3.94)*					.244 *(6.19)*				49	01822-00507
	.145 *(3.68)*	.195 *(4.96)*					.284 *(7.21)*				42	01822-00509
	.185 *(4.69)*	.235 *(5.97)*					.324 *(8.22)*				36	01822-00511
	.225 *(5.71)*	.275 *(6.99)*					.364 *(9.24)*				32	01822-00513

dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

1) typical values / valeurs moyennes / typische Werte / Valori tipici / valores típicos

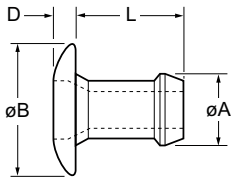
Briv® 1833 / (1831) Series
Brass

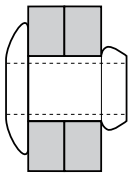
English	Français	Deutsch	Italiano	Español
Dome head	Tête plate	Flachrundkopf	Testa tonda	Cabeza alomada
Brass* Electro tin plated**	Laiton* Etamage électrolytique**	Kupfer-Zink Legierung* verzinnt**	Ottone* Stagnato**	Latón* Estañado electrolítico**

*: BS EN 12166 CW 508L DIN 17660 CuZn37
**: We recommend tin plated parts 1833 Series are installed within 9 months from the date they were produced.
Nous conseillons d'utiliser les pièces en laiton étamé du série 1833 sous un délai de 9 mois après la date de production.
Wir empfehlen, verzinnte Niete der Serie 1833 innerhalb 9 Monaten nach Produktionsdatum zu verarbeiten.
Raccomandare di utilizzare i prodotti stagnati serie 1833 entro 9 mesi a decorrere dalla data di fabbricazione.
Recomendamos utilizar sus piezas estañadas serie 1833 antes de 9 meses desde la fecha de su fabricación.

Optional on request / sur demande / auf Anfrage / su richiesta / bajo petición:

For brightened Brass finish replace 01833 with 01831 / Pour finition brillante remplacer la série 01833 par 01831 / Für Oberfläche blank ersetzen Sie 01833 durch 01831 / Per finitura brillante sostituire 01833 con 01831 / Para acabado brillante cambiar 01833 por 01831





ø					øB	D	L	øA			Fasteners per pod Nombre de rivets par chargeur / Niete pro Magazin / Rivetti per caricatore / Uds./carga	Part No.
nom.	min.	max.	min.	max.	max.	max.	max.	max.	lbf *(kN)*[1]	lbf *(kN)*[1]	± 1	
	.045 *(1.14)*	.095 *(2.42)*					.157 *(3.99)*				64	01833-00304
	.085 *(2.15)*	.135 *(3.43)*					.197 *(5.01)*				52	01833-00306
	.125 *(3.17)*	.175 *(4.45)*					.237 *(6.02)*				44	01833-00308
	.165 *(4.19)*	.215 *(5.47)*					.277 *(7.04)*				38	01833-00310
3/32" *(2.4)*	.205 *(5.20)*	.255 *(6.48)*	.0930 *(2.36)*	.0960 *(2.44)*	.162 *(4.11)*	.035 *(0.89)*	.317 *(8.06)*	.0924 *(2.35)*	100 *(0.44)*	200 *(0.89)*	34	01833-00312
	.245 *(6.22)*	.295 *(7.50)*					.357 *(9.07)*				30	01833-00314
	.265 *(6.73)*	.315 *(8.00)*					.377 *(9.57)*				28	01833-00315
	.285 *(7.24)*	.335 *(8.51)*					.397 *(10.08)*				27	01833-00316
	.305 *(7.75)*	.355 *(9.02)*					.417 *(10.59)*				26	01833-00317

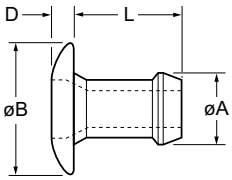
dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

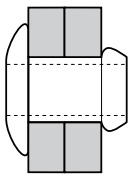
1) typical values / valeurs moyennes / typische Werte / Valori tipici / valores típicos

POP® Avdel®

Briv® 1833 / (1831) Series

Brass



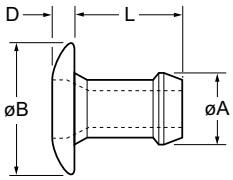


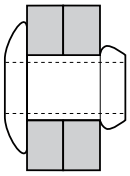
ø					øB	D	L	øA			Fasteners per pod Nombre de rivets par chargeur / Niete pro Magazin / Rivetti per caricatore / Uds./carga	Part No.
nom.	min.	max.	min.	max.	max.	max.	max.	max.	lbf *(kN)*[1]	lbf *(kN)*[1]	± 1	
1/8" *(3.2)*	.025 *(0.64)*	.075 *(1.91)*	.1285 *(3.26)*	.1315 *(3.34)*	.257 *(6.53)*	.039 *(0.99)*	.152 *(3.86)*	.1243 *(3.16)*	250 *(1.11)*	430 *(1.91)*	64	01833-00403
	.045 *(1.14)*	.095 *(2.42)*					.172 *(4.37)*				58	01833-00404
	.085 *(2.15)*	.135 *(3.43)*					.212 *(5.39)*				50	01833-00406
	.125 *(3.17)*	.175 *(4.45)*					.252 *(6.41)*				42	01833-00408
	.165 *(4.19)*	.215 *(5.47)*					.292 *(7.42)*				37	01833-00410
	.205 *(5.20)*	.255 *(6.48)*					.332 *(8.44)*				33	01833-00412
	.245 *(6.22)*	.295 *(7.50)*					.372 *(9.45)*				29	01833-00414
	.285 *(7.24)*	.335 *(8.51)*					.412 *(10.46)*				26	01833-00416
5/32" *(4.0)*	.062 *(1.57)*	.115 *(2.93)*	.1562 *(3.97)*	.1592 *(4.04)*	.322 *(8.18)*	.039 *(0.99)*	.193 *(4.91)*	.1533 *(3.90)*	420 *(1.87)*	620 *(2.75)*	52	01833-00505
	.085 *(2.15)*	.135 *(3.43)*					.213 *(5.41)*				48	01833-00506
	.105 *(2.66)*	.155 *(3.94)*					.233 *(5.92)*				44	01833-00507
	.145 *(3.68)*	.195 *(4.96)*					.273 *(6.94)*				38	01833-00509
	.185 *(4.69)*	.235 *(5.97)*					.313 *(7.95)*				34	01833-00511
	.225 *(5.71)*	.275 *(6.99)*					.353 *(8.97)*				30	01833-00513
	.265 *(6.73)*	.315 *(8.00)*					.393 *(9.98)*				27	01833-00515
	.305 *(7.75)*	.355 *(9.02)*					.433 *(11.00)*				25	01833-00517

dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

1) typical values / valeurs moyennes / typische Werte / Valori tipici / valores típicos

Briv® 1833 / (1831) Series
Brass





ø					øB	D	L	øA			Fasteners per pod Nombre de rivets par chargeur / Niete pro Magazin / Rivetti per caricatore / Uds./carga	Part No.
nom.	min.	max.	min.	max.	max.	max.	max.	max.	lbf *(kN)*[1]	lbf *(kN)*[1]	± 1	
3/16" *(4.8)*	.065 *(1.65)*	.130 *(3.30)*	.1910 *(4.85)*	.1940 *(4.93)*	.382 *(9.71)*	.046 *(1.17)*	.212 *(5.39)*	.1885 *(4.79)*	520 *(2.31)*	810 *(3.60)*	46	01833-00606
	.080 *(2.03)*	.155 *(3.94)*					.240 *(6.10)*				42	01833-00607
	.145 *(3.68)*	.205 *(5.21)*					.290 *(7.37)*				35	01833-00609
	.195 *(4.95)*	.255 *(6.48)*					.340 *(8.64)*				31	01833-00611
	.245 *(6.22)*	.305 *(7.75)*					.390 *(9.91)*				27	01833-00613
	.295 *(7.49)*	.355 *(9.02)*					.440 *(11.18)*				24	01833-00615
	.345 *(8.76)*	.405 *(10.29)*					.490 *(12.45)*				22	01833-00617
	.395 *(10.03)*	.455 *(11.56)*					.530 *(13.46)*				20	01833-00619

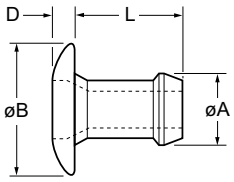
dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

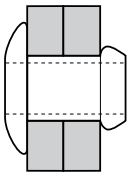
1) typical values / valeurs moyennes / typische Werte / Valori tipici / valores típicos

Briv® 1841 Series
Stainless Steel A2

English	Français	Deutsch	Italiano	Español
Dome head	Tête plate	Flachrundkopf	Testa tonda	Cabeza alomada
A2 Stainless Steel* Polished	A2 Inox* Poli	A2 Edelstahl* Blank	A2 Acciaio inox* Lucido	A2 Acero inoxidable* Pulido

*: BS 3111 394S17 Werkstoff 1.4567





ø					øB	D	L	øA			Fasteners per pod Nombre de rivets par chargeur / Niete pro Magazin / Rivetti per caricatore / Uds./carga	Part No.
nom.	min.	max.	min.	max.	max.	max.	max.	max.	lbf *(kN)*[1]	lbf *(kN)*[1]	± 1	
1/8" *(3.2)*	.045 *(1.14)*	.095 *(2.42)*	.1285 *(3.26)*	.1315 *(3.34)*	.257 *(6.53)*	.039 *(0.99)*	.172 *(4.37)*	.1245 *(3.16)*	300 *(1.33)*	440 *(1.96)*	58	01841-00404
	.085 *(2.15)*	.135 *(3.43)*					.212 *(5.39)*				50	01841-00406
	.125 *(3.17)*	.175 *(4.45)*					.252 *(6.41)*				42	01841-00408
5/32" *(4.0)*	.062 *(1.57)*	.115 *(2.93)*	.1562 *(3.97)*	.1592 *(4.04)*	.322 *(8.18)*	.039 *(0.99)*	.193 *(4.91)*	.1525 *(3.87)*	550 *(2.45)*	800 *(3.56)*	52	01841-00505
	.085 *(2.15)*	.135 *(3.43)*					.213 *(5.41)*				49	01841-00506
	.105 *(2.66)*	.155 *(3.94)*					.233 *(5.92)*				44	01841-00507
	.145 *(3.68)*	.195 *(4.96)*					.273 *(6.94)*				38	01841-00509
	.185 *(4.69)*	.235 *(5.97)*					.313 *(7.95)*				34	01841-00511
	.225 *(5.71)*	.275 *(6.99)*					.353 *(8.97)*				30	01841-00513

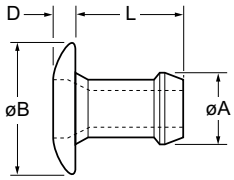
dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

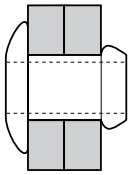
1) typical values / valeurs moyennes / typische Werte / Valori tipici / valores típicos

POP® Avdel®

Briv® 1841 Series

Stainless Steel A2





ø					øB	D	L	øA			Fasteners per pod Nombre de rivets par chargeur / Niete pro Magazin / Rivetti per caricatore / Uds./carga	Part No.
nom.	min.	max.	min.	max.	max.	max.	max.	max.	lbf *(kN)*[1]	lbf *(kN)*[1]	± 1	
3/16" *(4.8)*	.065 *(1.65)*	.130 *(3.30)*	.1910 *(4.85)*	.1940 *(4.93)*	.382 *(9.71)*	.046 *(1.17)*	.212 *(5.39)*	.1875 *(4.77)*	800 *(3.56)*	1150 *(5.12)*	46	01841-00606
	.080 *(2.03)*	.155 *(3.94)*					.240 *(6.10)*				42	01841-00607
	.145 *(3.68)*	.205 *(5.21)*					.290 *(7.37)*				35	01841-00609
	.170 *(4.32)*	.230 *(5.84)*					.315 *(8.00)*				32	01841-00610
	.195 *(4.95)*	.255 *(6.48)*					.340 *(8.64)*				31	01841-00611
	.245 *(6.22)*	.305 *(7.75)*					.390 *(9.91)*				27	01841-00613
	.295 *(7.49)*	.355 *(9.02)*					.440 *(11.18)*				24	01841-00615
	.345 *(8.76)*	.405 *(10.29)*					.490 *(12.45)*				22	01841-00617

dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

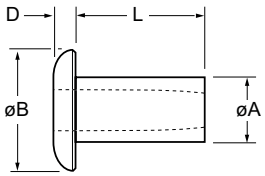
1) typical values / valeurs moyennes / typische Werte / Valori tipici / valores típicos

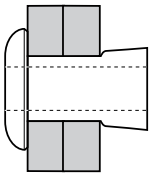
POP® Avdel®

Chobert® 1121 Series
Steel

English	Français	Deutsch	Italiano	Español
Dome head	Tête plate	Flachrundkopf	Testa tonda	Cabeza alomada
Low carbon steel*	Acier bas carbone*	Stahl*	Acciaio a basso tenore di carbonio*	Acero bajo en carbono*
Zinc plated Clear trivalent passivated	Revêtement zingué Passivation claire trivalente	Verzinkt Klar chromatiert, Cr6-frei	Zincato Passivazione chiara trivalente	Zincado Pasivado claro trivalente

*: SAE 1008 / EN 10263-2 C8C (DIN 10263-2 C8C, Qst 34-3)





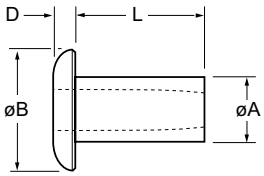
ø					øB	D	L	øA		Fasteners per pod Nombre de rivets par chargeur / Niete pro Magazin / Rivetti per caricatore/ Uds./carga	Part No.
nom.	min.	max.	min.	max.	max.	max.	nom.	max.	lbf *(kN)*[1]	± 1	
1/8" *(3.2)*		.062 *(1.57)*	.1285 *(3.26)*	.1315 *(3.34)*	.215 *(5.47)*	.044 *(1.12)*	.125 *(3.2)*	.128 *(3.25)*	314 *(1.42)*	71	01121-00404
	.031 *(0.79)*	.093 *(2.36)*					.156 *(4.0)*			57	01121-00405
	.062 *(1.57)*	.125 *(3.18)*					.187 *(4.8)*			51	01121-00406
	.125 *(3.18)*	.187 *(4.75)*					.250 *(6.4)*			39	01121-00408
	.187 *(4.75)*	.250 *(6.35)*					.312 *(7.9)*			32	01121-00410
	.250 *(6.35)*	.312 *(7.92)*					.375 *(9.5)*			27	01121-00412
5/32" *(4.0)*	.062 *(1.57)*	.125 *(3.18)*	.161 *(4.09)*	.164 *(4.17)*	.255 *(6.48)*	.057 *(1.45)*	.187 *(4.8)*	.159 *(4.04)*	539 *(2.44)*	47	01121-00506
	.125 *(3.18)*	.187 *(4.75)*					.250 *(6.4)*			38	01121-00508
	.187 *(4.75)*	.250 *(6.35)*					.312 *(7.9)*			31	01121-00510
	.250 *(6.35)*	.312 *(7.92)*					.375 *(9.5)*			27	01121-00512
	.312 *(7.92)*	.375 *(9.52)*					.437 *(11.1)*			23	01121-00514
	.375 *(9.52)*	.437 *(11.10)*					.500 *(12.7)*			21	01121-00516

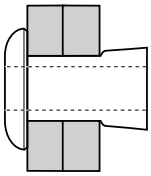
dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

1) typical values / valeurs moyennes / typische Werte / Valori tipici / valores típicos

POP® Avdel®

Chobert® 1121 Series
Steel





ø					øB	D	L	øA		Fasteners per pod Nombre de rivets par chargeur / Niete pro Magazin / Rivetti per caricatore/ Uds./carga	Part No.
nom.	min.	max.	min.	max.	max.	max.	nom.	max.	lbf *(kN)*[1)]	± 1	
3/16" *(4.8)*		.062 *(1.57)*	.191 *(4.85)*	.194 *(4.93)*	.349 *(8.87)*	.070 *(1.78)*	.157 *(4.0)*	.191 *(4.85)*	719 *(3.20)*	50	01121-00605
	.062 *(1.57)*	.125 *(3.18)*					.219 *(5.6)*			38	01121-00607
	.125 *(3.18)*	.187 *(4.75)*					.281 *(7.2)*			33	01121-00609
	.187 *(4.75)*	.250 *(6.35)*					.344 *(8.8)*			28	01121-00611
	.250 *(6.35)*	.312 *(7.92)*					.406 *(10.0)*			24	01121-00613
	.312 *(7.92)*	.375 *(9.52)*					.469 *(12.0)*			21	01121-00615
	.375 *(9.52)*	.437 *(11.10)*					.531 *(13.5)*			19	01121-00617
	.437 *(11.10)*	.500 *(12.70)*					.594 *(15.1)*			17	01121-00619
1/4" *(6.4)*	.125 *(3.18)*	.187 *(4.75)*	.250 *(6.35)*	.253 *(6.43)*	.411 *(10.44)*	.083 *(2.11)*	.281 *(7.2)*	.250 *(6.35)*	989 *(4.40)*	32	01121-00809
	.187 *(4.75)*	.250 *(6.35)*					.344 *(8.8)*			27	01121-00811
	.250 *(6.35)*	.312 *(7.92)*					.406 *(10.0)*			24	01121-00813
	.312 *(7.92)*	.375 *(9.52)*					.469 *(12.0)*			21	01121-00815
	.375 *(9.52)*	.437 *(11.10)*					.531 *(13.5)*			19	01121-00817
	.437 *(11.10)*	.500 *(12.70)*					.594 *(15.1)*			17	01121-00819

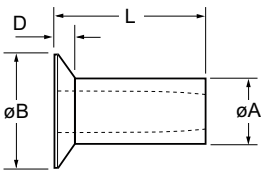
dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

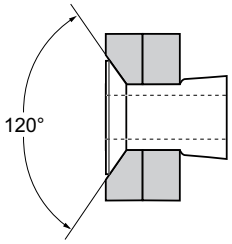
1) typical values / valeurs moyennes / typische Werte / Valori tipici / valores típicos

Chobert® 1122 Series
Steel

English	Français	Deutsch	Italiano	Español
Countersunk head	Tête fraisée	Senkkopf	Testa svasata	Cabeza avellanada
Low carbon steel*	Acier bas carbone*	Stahl*	Acciaio a basso tenore di carbonio*	Acero bajo en carbono*
Zinc plated Clear trivalent passivated	Revêtement zingué Passivation claire trivalente	Verzinkt Klar chromatiert, Cr6-frei	Zincato Passivazione chiara trivalente	Zincado Pasivado claro trivalente

*: BS 3111 Type 0 SAE 1008 DIN 1654 Qst 34-3





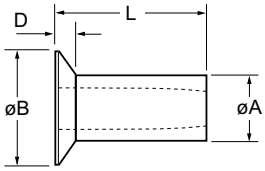
ø					øB	D	L	øA		Fasteners per pod Nombre de rivets par chargeur / Niete pro Magazin/ Rivetti per caricatore/ Uds./carga	Part No.
nom.	min.	max.	min.	max.	min.	max.	max.	max.	lbf *(kN)*[1]	± 1	
1/8" *(3.2)*	.036 *(0.91)*	.062 *(1.57)*	.1285 *(3.26)*	.1315 *(3.34)*	.205 *(5.20)*	.036 *(0.92)*	.130 *(3.31)*	.128 *(3.25)*	314 *(1.40)*	90	01122-00404
	.036 *(0.91)*	.093 *(2.36)*					.161 *(4.09)*			72	01122-00405
	.062 *(1.57)*	.125 *(3.17)*					.192 *(4.88)*			61	01122-00406
	.125 *(3.17)*	.187 *(4.75)*					.255 *(648)*			46	01122-00408
	.187 *(4.75)*	.250 *(6.35)*					.317 *(8.06)*			37	01122-00410
	.250 *(6.35)*	.312 *(7.92)*					.380 *(9.66)*			31	01122-00412
5/32" *(4.0)*	.062 *(1.57)*	.125 *(3.17)*	.161 *(4.09)*	.164 *(4.17)*	.245 *(6.22)*	.038 *(0.97)*	.192 *(4.88)*	.159 *(4.04)*	539 *(2.40)*	61	01122-00506
	.125 *(3.17)*	.187 *(4.75)*					.255 *(6.48)*			46	01122-00508
	.187 *(4.75)*	.250 *(6.35)*					.317 *(8.06)*			37	01122-00510
	.250 *(6.35)*	.312 *(7.92)*					.380 *(9.66)*			31	01122-00512
	.312 *(7.92)*	.375 *(9.52)*					.442 *(11.23)*			26	01122-00514
	.375 *(9.52)*	.437 *(11.10)*					.505 *(12.83)*			23	01122-00516

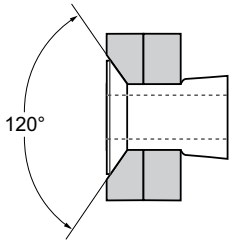
dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

1) typical values / valeurs moyennes / typische Werte / Valori tipici / valores típicos

POP® Avdel®

Chobert® 1122 Series
Steel





ø					øB	D	L	øA		Fasteners per pod Nombre de rivets par chargeur / Niete pro Magazin / Rivetti per caricatore/ Uds./carga	Part No.
nom.	min.	max.	min.	max.	min.	max.	max.	max.	lbf *(kN)*[1)]	± 1	
	.062 *(1.57)*	.125 *(3.17)*					.224 *(5.69)*			52	01122-00607
	.125 *(3.17)*	.187 *(4.75)*					.286 *(7.27)*			41	01122-00609
	.187 *(4.75)*	.250 *(6.35)*					.349 *(8.87)*			33	01122-00611
3/16" *(4.8)*	.250 *(6.35)*	.312 *(7.92)*	.191 *(4.85)*	.194 *(4.93)*	.339 *(8.61)*	.056 *(1.43)*	.411 *(10.44)*	.191 *(4.85)*	719 *(3.20)*	28	01122-00613
	.312 *(7.92)*	.375 *(9.52)*					.474 *(12.04)*			25	01122-00615
	.375 *(9.52)*	.437 *(11.10)*					.536 *(13.62)*			22	01122-00617
	.437 *(11.10)*	.500 *(12.70)*					.599 *(15.22)*			19	01122-00619
	.250 *(6.35)*	.312 *(7.92)*					.411 *(10.44)*			28	01122-00813
	.312 *(7.92)*	.375 *(9.52)*					.474 *(12.04)*			25	01122-00815
	.375 *(9.52)*	.437 *(11.10)*					.536 *(13.62)*			22	01122-00817
1/4" *(6.4)*	.437 *(11.10)*	.500 *(12.70)*	.250 *(6.35)*	.253 *(6.43)*	.401 *(10.19)*	.057 *(1.45)*	.599 *(15.22)*	.250 *(6.35)*	989 *(4.40)*	19	01122-00819
	.500 *(12.70)*	.562 *(14.27)*					.661 *(16.79)*			18	01122-00821
	.562 *(14.27)*	.625 *(15.87)*					.724 *(18.39)*			16	01122-00823
	.625 *(15.87)*	.687 *(17.45)*					.786 *(19.97)*			15	01122-00825

dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

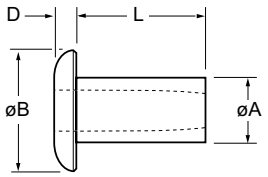
1) typical values / valeurs moyennes / typische Werte / Valori tipici / valores típicos

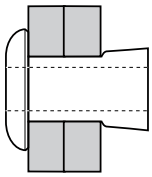
Chobert® 1125 / 1131 / (1135) Series
Aluminum

English	Français	Deutsch	Italiano	Español
Dome head	Tête plate	Flachrundkopf	Testa tonda	Cabeza alomada
Aluminum alloy Natural	Alliage d'aluminium Brut	Aluminium Blank	Lega di alluminio Nessuna finitura	Aluminio Natural

Optional on request / sur demande / auf Anfrage / su richiesta / bajo petición:

For 5 % Mg BS 1473 5056A DIN 1725 AlMg5 Werkstoff 3.3555 Aluminum alloy replace part no. 01125 with 01135 /
pour 5 % Mg BS 1473 5056A DIN 1725 AlMg5 Werkstoff 3.3555 alliage d'aluminium remplacer la série 01125 par 01135 /
für 5 % Mg BS 1473 5056A DIN 1725 AlMg5 Werkstoff 3.3555 Aluminium-Legierung ersetzen Sie 01125 durch 01135 /
per 5 % Mg BS 1473 5056A DIN 1725 AlMg5 Werkstoff 3.3555 lega di alluminio sostituire 01125 con 01135 /
para 5 % Mg BS 1473 5056A DIN 1725 AlMg5 Werkstoff 3.3555 Aluminio cambiar 01125 por 01135



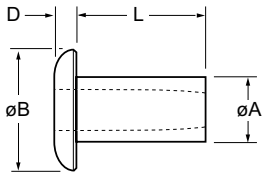


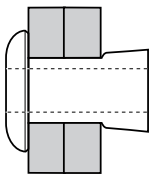
ø					øB	D	L	øA	Fasteners per pod Nombre de rivets par chargeur / Niete pro Magazin / Rivetti per caricatore / Uds./carga	Aluminum 2.5 % Mg AA 5052 DIN 1725 AlMg2.5 Werkstoff 3.3523	Aluminum 3.5 % Mg BS 1473 5154A DIN 1725 AlMg3.5 Werkstoff 3.3535
nom.	min.	max.	min.	max.	max.	max.	± .007 *(0.18)*	max.	± 1	Part No.	Part No.
		.062 *(1.57)*					.125 *(3.17)*		73	01125-00304	01131-00304
	.062 *(1.57)*	.125 *(3.17)*					.187 *(4.75)*		52	01125-00306	01131-00306
	.125 *(3.17)*	.187 *(4.75)*					.250 *(6.35)*		41	01125-00308	01131-00308
3/32" *(2.4)*	.187 *(4.75)*	.250 *(6.35)*	.098 *(2.49)*	.1005 *(2.55)*	.163 *(4.14)*	.037 *(0.94)*	.312 *(7.92)*	.0975 *(2.48)*	33	01125-00310	01131-00310
	.250 *(6.35)*	.312 *(7.92)*					.375 *(9.52)*		28	01125-00312	01131-00312
	.312 *(7.92)*	.375 *(9.52)*					.437 *(11.10)*		24	01125-00314	01131-00314
	.375 *(9.52)*	.437 *(11.10)*					.500 *(12.70)*		22	01125-00316	01131-00316
		.062 *(1.57)*					.125 *(3.17)*		71	01125-00404	01131-00404
	.062 *(1.57)*	.125 *(3.17)*					.187 *(4.75)*		51	01125-00406	01131-00406
1/8" *(3.2)*	.125 *(3.17)*	.187 *(4.75)*	.1285 *(3.26)*	.1315 *(3.34)*	.217 *(5.52)*	.045 *(1.15)*	.250 *(6.35)*	.128 *(3.25)*	39	01125-00408	01131-00408
	.187 *(4.75)*	.250 *(6.35)*					.312 *(7.92)*		32	01125-00410	01131-00410
	.250 *(6.35)*	.312 *(7.92)*					.375 *(9.52)*		27	01125-00412	01131-00412

dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

POP® Avdel®

Chobert® 1125 / 1131 / (1135) Series
Aluminum

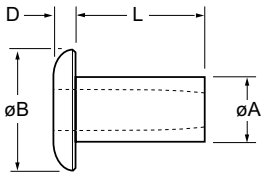


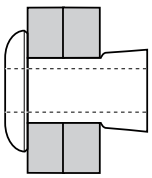


ø					øB	D	L	øA	Fasteners per pod Nombre de rivets par chargeur / Niete pro Magazin / Rivetti per caricatore / Uds./carga	Aluminum	
										2.5 % Mg AA 5052 DIN 1725 AlMg2.5 Werkstoff 3.3523	3.5 % Mg BS 1473 5154A DIN 1725 AlMg3.5 Werkstoff 3.3535
nom.	min.	max.	min.	max.	max.	max.	± .007 *(0.18)*	max.	± 1	Part No.	Part No.
1/8" *(3.2)*	.312 *(7.92)*	.375 *(9.52)*	.1285 *(3.26)*	.1315 *(3.34)*	.217 *(5.52)*	.045 *(1.15)*	.437 *(11.10)*	.128 *(3.25)*	23	01125-00414	01131-00414
	.375 *(9.52)*	.437 *(11.10)*					.500 *(12.70)*			01125-00416	01131-00416
5/32" *(4.0)*	.062 *(1.57)*	.125 *(3.17)*	.161 *(4.09)*	.164 *(4.17)*	.257 *(6.53)*	.058 *(1.48)*	.187 *(4.75)*	.1595 *(4.06)*	47	01125-00506	01131-00506
	.125 *(3.17)*	.187 *(4.75)*					.250 *(6.35)*		38	01125-00508	01131-00508
	.187 *(4.75)*	.250 *(6.35)*					.312 *(7.92)*		31	01125-00510	01131-00510
	.250 *(6.35)*	.312 *(7.92)*					.375 *(9.52)*		27	01125-00512	01131-00512
	.312 *(7.92)*	.375 *(9.52)*					.437 *(11.10)*		23	01125-00514	01131-00514
	.375 *(9.52)*	.437 *(11.10)*					.500 *(12.70)*		21	01125-00516	01131-00516
	.437 *(11.10)*	.500 *(12.70)*					.567 *(14.40)*			01125-00518	01131-00518
	.500 *(12.70)*	.562 *(14.27)*					.630 *(16.00)*			01125-00520	01131-00520
3/16" *(4.8)*		.062 *(1.57)*	.191 *(4.85)*	.194 *(4.93)*	.351 *(8.92)*	.071 *(1.81)*	.156 *(3.96)*	.1895 *(4.82)*	50		01131-00605
	.062 *(1.57)*	.125 *(3.17)*					.219 *(5.56)*		38	01125-00607	01131-00607
	.125 *(3.17)*	.187 *(4.75)*					.281 *(7.14)*		33	01125-00609	01131-00609
	.187 *(4.75)*	.250 *(6.35)*					.344 *(8.74)*		28	01125-00611	01131-00611
	.250 *(6.35)*	.312 *(7.92)*					.406 *(10.31)*		24	01125-00613	01131-00613
	.312 *(7.92)*	.375 *(9.52)*					.469 *(11.91)*		21	01125-00615	01131-00615
	.375 *(9.52)*	.437 *(11.10)*					.531 *(13.49)*		19	01125-00617	01131-00617
	.437 *(11.10)*	.500 *(12.70)*					.594 *(15.09)*		17	01125-00619	01131-00619

dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

Chobert® 1125 / 1131 / (1135) Series
Aluminum





ø					øB	D	L	øA	Fasteners per pod Nombre de rivets par chargeur / Niete pro Magazin / Rivetti per caricatore / Uds./carga	Aluminum	
										2.5 % Mg AA 5052 DIN 1725 AlMg2.5 Werkstoff 3.3523	3.5 % Mg BS 1473 5154A DIN 1725 AlMg3.5 Werkstoff 3.3535
nom.	min.	max.	min.	max.	max.	max.	± .007 *(0.18)*	max.	± 1	Part No.	Part No.
	.125 *(3.17)*	.187 *(4.75)*					.281 *(7.14)*		32		01131-00809
	.187 *(4.75)*	.250 *(6.35)*					.344 *(8.74)*		27		01131-00811
	.250 *(6.35)*	.312 *(7.92)*					.406 *(10.31)*		24		01131-00813
	.312 *(7.92)*	.375 *(9.52)*					.469 *(11.91)*		21		01131-00815
1/4" *(6.4)*	.375 *(9.52)*	.437 *(11.10)*	.250 *(6.35)*	.253 *(6.43)*	.413 *(10.49)*	.084 *(2.14)*	.531 *(13.49)*	.2485 *(6.32)*	19		01131-00817
	.437 *(11.10)*	.500 *(12.70)*					.594 *(15.09)*		17		01131-00819
	.500 *(12.70)*	.562 *(14.27)*					.656 *(16.66)*		16		01131-00821
	.562 *(14.27)*	.625 *(15.87)*					.719 *(18.26)*		14		01131-00823
	.625 *(15.87)*	.687 *(17.45)*					.781 *(19.84)*		13		01131-00825

dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

ø		
	1125 Series	1131 Series
nom.	lbf *(kN)*[1)]	lbf *(kN)*[1)]
3/32" *(2.4)*	67 *(0.30)*	112 *(0.50)*
1/8" *(3.2)*	135 *(0.60)*	180 *(0.80)*
5/32" *(4.0)*	225 *(1.00)*	360 *(1.60)*
3/16" *(4.8)*	337 *(1.50)*	450 *(2.00)*
1/4" *(6.4)*		607 *(2.70)*

1) typical values / valeurs moyennes / typische Werte
Valori tipici / valores típicos

Chobert® 1132 / (1124 / 1136) Series
Aluminum

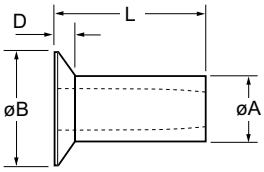
English	Français	Deutsch	Italiano	Español
Countersunk head	Tête fraisée	Senkkopf	Testa svasata	Cabeza avellanada
Aluminum alloy* Natural	Alliage d'aluminium* Brut	Aluminium* Blank	Lega di alluminio* Nessuna finitura	Aluminio* Natural

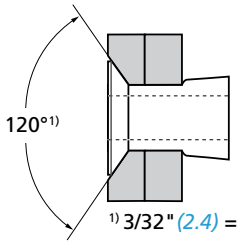
*: 3.5 % Mg BS 1473 5154A DIN 1725 AlMg3.5 Werkstoff 3.3535

Optional on request / sur demande / auf Anfrage / su richiesta / bajo petición:

For 2.5 % Mg AA 5052 DIN 1725 AlMg2.5 Werkstoff 3.3523 Aluminum alloy replace part no. 01132 with 01124 /
pour 2.5 % Mg AA 5052 DIN 1725 AlMg2.5 Werkstoff 3.3523 alliage d'aluminium remplacer la série 01132 par 01124 /
für 2.5 % Mg AA 5052 DIN 1725 AlMg2.5 Werkstoff 3.3523 Aluminium-Legierung ersetzen Sie 01132 durch 01124 /
per 2.5 % Mg AA 5052 DIN 1725 AlMg2.5 Werkstoff 3.3523 lega di alluminio sostituire 01132 con 01124 /
para 2.5 % Mg AA 5052 DIN 1725 AlMg2.5 Werkstoff 3.3523 Aluminio cambiar 01132 por 01124

For 5 % Mg BS 1473 5056A DIN 1725 AlMg5 Werkstoff 3.3555 Aluminum alloy replace part no. 01132 with 01136 /
pour 5 % Mg BS 1473 5056A DIN 1725 AlMg5 Werkstoff 3.3555 alliage d'aluminium remplacer la série 01132 par 01136 /
für 5 % Mg BS 1473 5056A DIN 1725 AlMg5 Werkstoff 3.3555 Aluminium-Legierung ersetzen Sie 01132 durch 01136 /
per 5 % Mg BS 1473 5056A DIN 1725 AlMg5 Werkstoff 3.3555 lega di alluminio sostituire 01132 con 01136 /
para 5 % Mg BS 1473 5056A DIN 1725 AlMg5 Werkstoff 3.3555 Aluminio cambiar 01132 por 01136





1) 3/32" *(2.4)* = 100°

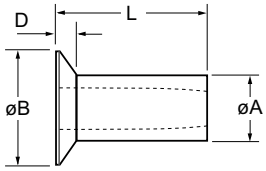
ø					øB	D	L	øA		Fasteners per pod Nombre de rivets par chargeur / Niete pro Magazin / Rivetti per caricatore / Uds./carga	Part No.
nom.	min.	max.	min.	max.	min.	max.	max.	max.	lbf *(kN)*1)	± 1	
3/32" *(2.4)*		.062 *(1.57)*	.098 *(2.49)*	.1005 *(2.55)*	.164 *(4.16)*	.035 *(0.89)*	.130 *(3.31)*	.097 *(2.46)*	112 *(0.50)*	90	01132-00304
	.062 *(1.57)*	.125 *(3.17)*					.192 *(4.88)*			61	01132-00306
	.125 *(3.17)*	.187 *(4.75)*					.255 *(6.48)*			46	01132-00308
	.187 *(4.75)*	.250 *(6.35)*					.317 *(8.06)*			37	01132-00310
	.250 *(6.35)*	.312 *(7.92)*					.380 *(9.66)*			31	01132-00312
1/8" *(3.2)*		.062 *(1.57)*	.1285 *(3.26)*	.1315 *(3.34)*	.205 *(5.20)*	.036 *(0.92)*	.130 *(3.31)*	.128 *(3.25)*	202 *(0.90)*	90	01132-00404
	.062 *(1.57)*	.125 *(3.17)*					.192 *(4.88)*			61	01132-00406
	.125 *(3.17)*	.187 *(4.75)*					.255 *(6.48)*			46	01132-00408
	.187 *(4.75)*	.250 *(6.35)*					.317 *(8.06)*			37	01132-00410
	.250 *(6.35)*	.312 *(7.92)*					.380 *(9.66)*			31	01132-00412

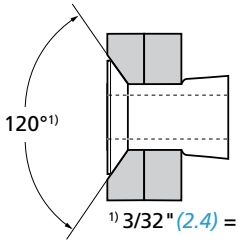
dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

1) typical values / valeurs moyennes / typische Werte / Valori tipici / valores típicos

POP® Avdel®

Chobert® 1132 / (1124 / 1136) Series
Aluminum





1) 3/32" *(2.4)* = 100°

ø					øB	D	L	øA		Fasteners per pod Nombre de rivets par chargeur / Niete pro Magazin / Rivetti per caricatore / Uds./carga	Part No.
nom.	min.	max.	min.	max.	min.	max.	max.	max.	lbf *(kN)*1)	± 1	
5/32" *(4.0)*	.062 *(1.57)*	.125 *(3.17)*	.161 *(4.09)*	.164 *(4.17)*	.245 *(6.22)*	.038 *(0.97)*	.192 *(4.88)*	.159 *(4.04)*	360 *(1.60)*	61	01132-00506
	.125 *(3.17)*	.187 *(4.75)*					.255 *(6.48)*			46	01132-00508
	.187 *(4.75)*	.250 *(6.35)*					.317 *(8.06)*			37	01132-00510
	.250 *(6.35)*	.312 *(7.92)*					.380 *(9.66)*			31	01132-00512
	.312 *(7.92)*	.375 *(9.52)*					.442 *(11.23)*			26	01132-00514
	.375 *(9.52)*	.437 *(11.10)*					.505 *(12.83)*			23	01132-00516
3/16" *(4.8)*	.062 *(1.57)*	.125 *(3.17)*	.191 *(4.85)*	.194 *(4.93)*	.339 *(8.61)*	.056 *(1.43)*	.224 *(5.69)*	.189 *(4.80)*	450 *(2.00)*	52	01132-00607
	.125 *(3.17)*	.187 *(4.75)*					.286 *(7.27)*			41	01132-00609
	.187 *(4.75)*	.250 *(6.35)*					.349 *(8.87)*			33	01132-00611
	.250 *(6.35)*	.312 *(7.92)*					.411 *(10.44)*			28	01132-00613
	.312 *(7.92)*	.375 *(9.52)*					.474 *(12.04)*			25	01132-00615
	.375 *(9.52)*	.437 *(11.10)*					.536 *(13.62)*			22	01132-00617
	.437 *(11.10)*	.500 *(12.70)*					.599 *(15.22)*			19	01132-00619
1/4" *(6.4)*	.125 *(3.17)*	.187 *(4.75)*	.250 *(6.35)*	.253 *(6.43)*	.401 *(10.19)*	.057 *(1.45)*	.286 *(7.27)*	.248 *(6.30)*	607 *(2.70)*	41	01132-00809
	.187 *(4.75)*	.250 *(6.35)*					.349 *(8.87)*			33	01132-00811
	.250 *(6.35)*	.312 *(7.92)*					.411 *(10.44)*			28	01132-00813
	.312 *(7.92)*	.375 *(9.52)*					.474 *(12.04)*			25	01132-00815
	.375 *(9.52)*	.437 *(11.10)*					.536 *(13.62)*			22	01132-00817
	.437 *(11.10)*	.500 *(12.70)*					.599 *(15.22)*			19	01132-00819

dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

1) typical values / valeurs moyennes / typische Werte / Valori tipici / valores típicos

POP® Avdel®

Chobert® 1143 Series (1141 / 1142 / 1144 / 1147 / 1148)

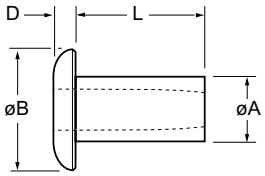
Brass

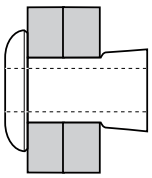
English	Français	Deutsch	Italiano	Español
Dome head	Tête plate	Flachrundkopf	Testa tonda	Cabeza alomada
Brass* Electro tin plated**	Laiton* Etamage èlectrolytique**	Kupfer-Zink-Legierung* verzinnt**	Ottone* Stagnato**	Latón* Estañado electrolitico**

*: EN 12166 CW 508L DIN 17660 CuZn37

**: We recommend tin plated parts 1143 and 1144 Series are installed within 9 months from the date they were produced.
Nous conseillons d'utiliser les pièces en laiton étamé du série 1143 et 1144 sous un délai de 9 mois après la date de production.
Wir empfehlen, verzinnte Niete der Serien 1143 und 1144 innerhalb 9 Monaten nach Produktionsdatum zu verarbeiten.
Raccomandare di utilizzare i prodotti stagnati serie 1143 e 1144 entro 9 mesi a decorrere dalla data di fabbricazione.
Recomendamos utilizar sus piezas estañadas serie 1143 y 1144 antes de 9 meses desde la fecha de su fabricación.

Options on request - see next page / Option sur demande - voir page suivant / Optionen auf Anfrage - siehe nächste Seite / Opzioni su richiesta - vedi pagina successiva / Opciones bajo petición - ver la página siguiente





ø					øB	D	L	øA		Fasteners per pod Nombre de rivets par chargeur / Niete pro Magazin / Rivetti per caricatore / Uds./carga ± 1	Part No.
nom.	min.	max.	min.	max.	max.	max.	nom.	max.	lbf *(kN)*[1]		
3/32" *(2.4)*		.062 *(1.57)*	.098 *(2.49)*	.1005 *(2.55)*	.161 *(4.09)*	.036 *(0.92)*	.125 *(3.17)*	.097 *(2.47)*	134 *(0.60)*	73	01143-00304
	.062 *(1.57)*	.125 *(3.17)*					.187 *(4.75)*			52	01143-00306
	.125 *(3.17)*	.187 *(4.75)*					.250 *(6.35)*			41	01143-00308
	.187 *(4.75)*	.250 *(6.35)*					.312 *(7.92)*			33	01143-00310
	.250 *(6.35)*	.312 *(7.92)*					.375 *(9.52)*			28	01143-00312
1/8" *(3.2)*		.062 *(1.57)*	.1285 *(3.26)*	.1315 *(3.34)*	.215 *(5.46)*	.044 *(1.12)*	.125 *(3.17)*	.128 *(3.25)*	247 *(1.10)*	71	01143-00404
	.062 *(1.57)*	.125 *(3.17)*					.187 *(4.75)*			51	01143-00406
	.125 *(3.17)*	.187 *(4.75)*					.250 *(6.35)*			39	01143-00408
	.187 *(4.75)*	.250 *(6.35)*					.312 *(7.92)*			32	01143-00410
5/32" *(4.0)*	.062 *(1.57)*	.125 *(3.17)*	.161 *(4.09)*	.164 *(4.17)*	.255 *(6.47)*	.057 *(1.45)*	.187 *(4.75)*	.159 *(4.04)*	404 *(1.80)*	47	01143-00506
	.125 *(3.17)*	.187 *(4.75)*					.250 *(6.35)*			38	01143-00508
	.187 *(4.75)*	.250 *(6.35)*					.312 *(7.92)*			31	01143-00510

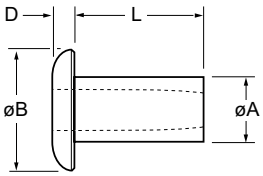
dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

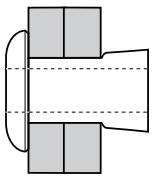
1) typical values / valeurs moyennes / typische Werte / Valori tipici / valores típicos

POP® Avdel®

Chobert® 1143 Series (1141 / 1142 / 1144 / 1147 / 1148)

Brass





ø					øB	D	L	øA		Fasteners per pod Nombre de rivets par chargeur / Niete pro Magazin / Rivetti per caricatore / Uds./carga ± 1	Part No.
nom.	min.	max.	min.	max.	max.	max.	nom.	max.	lbf *(kN)*[1]		
5/32" *(4.0)*	.250 *(6.35)*	.312 *(7.92)*	.161 *(4.09)*	.164 *(4.17)*	.255 *(6.47)*	.057 *(1.45)*	.375 *(9.52)*	.159 *(4.04)*	404 *(1.80)*	27	01143-00512
	.312 *(7.92)*	.375 *(9.52)*					.437 *(11.10)*			23	01143-00514
	.375 *(9.52)*	.437 *(11.10)*					.500 *(12.70)*			21	01143-00516
3/16" *(4.8)*	.062 *(1.57)*	.125 *(3.17)*	.191 *(4.85)*	.194 *(4.93)*	.349 *(8.86)*	.070 *(1.78)*	.219 *(5.56)*	.191 *(4.85)*	562 *(2.50)*	38	01143-00607
	.125 *(3.17)*	.187 *(4.75)*					.281 *(7.14)*			33	01143-00609
	.187 *(4.75)*	.250 *(6.35)*					.344 *(8.74)*			28	01143-00611
	.250 *(6.35)*	.312 *(7.92)*					.406 *(10.30)*			24	01143-00613
	.312 *(7.92)*	.375 *(9.52)*					.469 *(11.91)*			21	01143-00615
	.375 *(9.52)*	.437 *(11.10)*					.531 *(13.49)*			19	01143-00617

dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

1) typical values / valeurs moyennes / typische Werte / Valori tipici / valores típicos

Optional on request / sur demande / auf Anfrage / su richiesta / bajo petición:

Dome head bright Brass: replace part no. 01143 with 01141. Details on request.
Tête plate Laiton brilliante: remplacer la série 01143 par 01141. Détails sur demande.
Flachrundkopf Kupfer-Zink-Legierung blank: ersetzen Sie 01143 durch 01141. Details auf Anfrage.
Testa tonda Ottone brillante: sostituire 01143 con 01141. Dettagli su richiesta.
Cabeza alomada Latón brillante: cambiar 01143 por 01141. Más información bajo petición.

Dome head nickel plated Brass: replace part no. 01143 with 01147. Details on request.
Tête plate Laiton nickelé: remplacer la série 01143 par 01147. Détails sur demande.
Flachrundkopf Kupfer-Zink-Legierung vernickelt: ersetzen Sie 01143 durch 01147. Details auf Anfrage.
Testa tonda Ottone nichelato: sostituire 01143 con 01147. Dettagli su richiesta.
Cabeza alomada Latón niquelado: cambiar 01143 por 01147. Más información bajo petición.

Countersunk head bright Brass: replace part no. 01143 with 01142. Details on request.
Tête fraisée Laiton brilliante: remplacer la série 01143 par 01142. Détails sur demande.
Senkkopf Kupfer-Zink-Legierung blank: ersetzen Sie 01143 durch 01142. Details auf Anfrage.
Testa svasata Ottone brillante: sostituire 01143 con 01142. Dettagli su richiesta.
Cabeza avellanada Latón brillante: cambiar 01143 por 01142. Más información bajo petición.

Countersunk head electro tin plated Brass**: replace part no. 01143 with 01144. Details on request.
Tête fraisée Laiton etamage èlectrolytique**: remplacer la série 01143 par 01144. Détails sur demande.
Senkkopf Kupfer-Zink-Legierung verzinnt**: ersetzen Sie 01143 durch 01144. Details auf Anfrage.
Testa svasata Ottone stagnato**: sostituire 01143 con 01144. Dettagli su richiesta.
Cabeza avellanada Latón estañado electrolitico**: cambiar 01143 por 01144. Más información bajo petición.

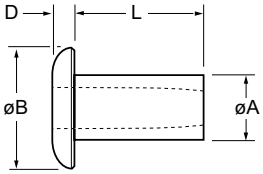
Countersunk head nickel plated Brass: replace part no. 01143 with 01148. Details on request.
Tête fraisée Laiton nickelé: remplacer la série 01143 par 01148. Détails sur demande.
Senkkopf Kupfer-Zink-Legierung vernickelt: ersetzen Sie 01143 durch 01148. Details auf Anfrage.
Testa svasata Ottone nichelato: sostituire 01143 con 01148. Dettagli su richiesta.
Cabeza avellanada Latón niquelado: cambiar 01143 por 01148. Más información bajo petición.

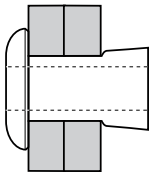
POP® Avdel®

Chobert® 1162 Series
Aluminum

English	Français	Deutsch	Italiano	Español
Low profile head	Tête profil bas	Flachkopf	Testa basso profilo	Cabeza perfil bajo
Aluminum alloy* (2.5 % Mg) Natural	Alliage d'aluminium* (2.5% Mg) Brut	Aluminium* (2.5 % Mg) Blank	Lega di alluminio* (2.5% Mg) Nessuna finitura	Aluminio* (2.5% Mg) Natural

*: AA 5052 DIN 1725 AlMg2.5 Werkstoff 3.3523





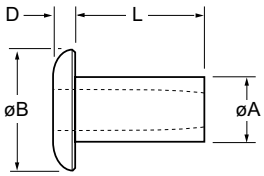
ø					øB	D	L	øA		Fasteners per pod Nombre de rivets par chargeur / Niete pro Magazin/ Rivetti per caricatore/ Uds./carga	Part No.
nom.	min.	max.	min.	max.	max.	max.	max.	max.	lbf *(kN)*[1]	± 1	
		.062 *(1.57)*					.136 *(3.46)*			71	01162-00404
	.062 *(1.57)*	.125 *(3.17)*					.199 *(5.06)*			51	01162-00406
	.125 *(3.17)*	.187 *(4.75)*					.261 *(6.63)*			39	01162-00408
1/8" *(3.2)*	.187 *(4.75)*	.250 *(6.35)*	.1285 *(3.26)*	.1315 *(3.34)*	.262 *(6.66)*	.041 *(1.05)*	.324 *(8.23)*	.1275 *(3.24)*	134 *(0.60)*	32	01162-00410
	.250 *(6.35)*	.312 *(7.92)*					.386 *(9.81)*			27	01162-00412
	.312 *(7.92)*	.375 *(9.52)*					.448 *(11.38)*			23	01162-00414
	.375 *(9.52)*	.437 *(11.10)*					.510 *(12.96)*			21	01162-00416
	.062 *(1.57)*	.125 *(3.17)*					.191 *(4.86)*			47	01162-00506
	.093 *(2.36)*	.155 *(3.93)*					.222 *(5.64)*				01162-00507
	.125 *(3.17)*	.187 *(4.75)*					.254 *(6.46)*			38	01162-00508
5/32" *(4.0)*	.187 *(4.75)*	.250 *(6.35)*	.161 *(4.09)*	.164 *(4.17)*	.321 *(8.16)*	.051 *(1.30)*	.316 *(8.03)*	.1595 *(4.05)*	224 *(1.00)*	31	01162-00510
	.250 *(6.35)*	.312 *(7.92)*					.379 *(9.63)*			27	01162-00512
	.312 *(7.92)*	.375 *(9.52)*					.441 *(11.21)*			23	01162-00514
	.375 *(9.52)*	.437 *(11.10)*					.504 *(12.81)*			21	01162-00516

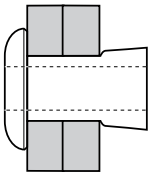
dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

1) typical values / valeurs moyennes / typische Werte / Valori tipici / valores típicos

POP® Avdel®

Chobert® 1162 Series
Aluminum





ø					øB	D	L	øA		Fasteners per pod Nombre de rivets par chargeur / Niete pro Magazin/ Rivetti per caricatore/ Uds./carga ± 1	Part No.
nom.	min.	max.	min.	max.	max.	max.	max.	max.	lbf *(kN)*[1)]		
		.062 *(1.57)*					.179 *(4.55)*			50	01162-00605
	.062 *(1.57)*	.125 *(3.17)*					.230 *(5.85)*			38	01162-00607
	.125 *(3.17)*	.187 *(4.75)*					.292 *(7.42)*			33	01162-00609
	.187 *(4.75)*	.250 *(6.35)*					.355 *(9.02)*			28	01162-00611
3/16" *(4.8)*	.250 *(6.35)*	.312 *(7.92)*	.191 *(4.85)*	.194 *(4.93)*	.396 *(10.06)*	.061 *(1.55)*	.417 *(10.60)*	.1895 *(4.82)*	337 *(1.50)*	24	01162-00613
	.312 *(7.92)*	.375 *(9.52)*					.480 *(12.20)*			21	01162-00615
	.375 *(9.52)*	.437 *(11.10)*					.542 *(13.77)*			19	01162-00617
	.437 *(11.10)*	.500 *(12.70)*					.605 *(15.37)*			17	01162-00619

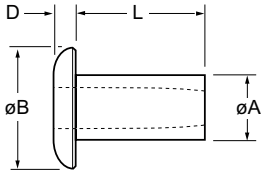
dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

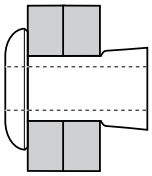
1) typical values / valeurs moyennes / typische Werte / Valori tipici / valores típicos

Chobert® 1164 Series
Aluminum

English	Français	Deutsch	Italiano	Español
Dome head	Tête plate	Flachrundkopf	Testa tonda	Cabeza alomada
Aluminum alloy* (2.5 % Mg) Natural	Alliage d'aluminium* (2.5% Mg) Brut	Aluminium* (2.5 % Mg) Blank	Lega di alluminio* (2.5% Mg) Nessuna finitura	Aluminio* (2.5% Mg) Natural

*: AA 5052 DIN 1725 AlMg2.5 Werkstoff 3.3523





ø				øB	D	L	øA	Fasteners per pod Nombre de rivets par chargeur / Niete pro Magazin/ Rivetti per caricatore/ Uds./carga	Part No.
nom.	min.	max.	rec.	max.	max.	± .007 *(0.18)*	max.	± 1	
1/8" under-sized[2] *(3.2)*		.063 *(1.60)*	.120 *(3.05)*	.217 *(5.12)*	.045 *(1.15)*	.125 *(3.17)*	.1185 *(3.01)*	71	01164-00404
	.063 *(1.60)*	.125 *(3.17)*				.187 *(4.75)*		51	01164-00406
	.125 *(3.17)*	.188 *(4.77)*				.250 *(6.35)*		39	01164-00408
	.188 *(4.77)*	.250 *(6.35)*				.312 *(7.92)*		32	01164-00410
	.250 *(6.35)*	.312 *(7.92)*				.375 *(9.52)*		27	01164-00412
	.312 *(7.92)*	.374 *(9.50)*				.437 *(11.10)*		23	01164-00414
	.374 *(9.50)*	.436 *(11.07)*				.500 *(12.70)*		21	01164-00416

dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

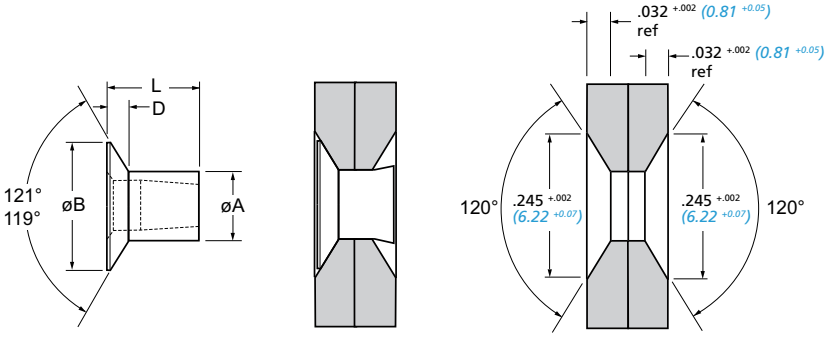
1) typical values / valeurs moyennes / typische Werte / Valori tipici / valores típicos

2) undersized / dimension inférieure / Untermaß / misura inferiore / dimensión iinferior

Double Flush Chobert® 1110 Series
Steel

English	Français	Deutsch	Italiano	Español
120° Countersunk	120° Tête fraisée	120° Senkkopf	120° Testa svasata	120° Cabeza avellanada
Low carbon steel*	Acier bas carbone*	Stahl*	Acciaio a basso tenore di carbonio*	Acero bajo en carbono*
Zinc plated Clear trivalent passivated	Revêtement zingué Passivation claire trivalente	Verzinkt Klar chromatiert, Cr6-frei	Zincato Passivazione chiara trivalente	Zincado Pasivado claro trivalente

*: EN 10263-2 C8C (DIN 10263-2 C8C, Qst 34-3)



Rear sheet tail protrusion of installed fastener is application dependent - up to .020" *(0.5)* is permissible.

Le dépassement en face arrière après pose dépend de l'application – possible jusqu'à .020" *(0.5)*.

Der Bauteilüberstand des gesetzten Verbinders auf der Blindseite ist applikationsabhängig - bis zu .020" *(0.5)* ist zulässig.

L'entità della sporgenza posteriore del rivetto installato è dipendente dall'applicazione. Fino a .020" *(0.5)* è ammessa.

El remache una vez colocado, sobresale por la parte trasera de la chapa hasta un máximo de .020" *(0.5)* permitidos.

ø					øB	D	L	øA			Fasteners per pod Nombre de rivets par chargeur/ Niete pro Magazin/ Rivetti per caricatore/ Uds./carga typ.	Part No.
nom.	min.	max.	min.	max.	max.	max.	max.	max.	lbf *(kN)*[1]	lbf *(kN)*[1]		
1/8" *(3.2)*	.078 *(2.00)*	.105 *(2.67)*	.1285 *(3.26)*	.1315 *(3.34)*	.215 *(5.46)*	.030 *(0.76)*	.098 *(2.49)*	.128 *(3.25)*	229 *(1.02)*	341 *(1.52)*	120	01110-11708
	.095 *(2.41)*	.115 *(2.92)*					.110 *(2.79*				112	01110-11294

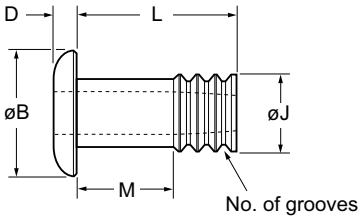
dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

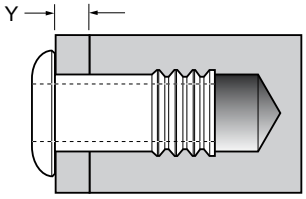
1) typical values / valeurs moyennes / typische Werte / Valori tipici / valores típicos

Grovit® 1101 Series
Steel

English	Français	Deutsch	Italiano	Español
Dome head	Tête plate	Flachrundkopf	Testa tonda	Cabeza alomada
Low carbon steel*	Acier bas carbone*	Stahl*	Acciaio a basso tenore di carbonio*	Acero bajo en carbono*
Zinc plated Clear trivalent passivated	Revêtement zingué Passivation claire trivalente	Verzinkt Klar chromatiert, Cr6-frei	Zincato Passivazione chiara trivalente	Zincado Pasivado claro trivalente

*: SAE 1008 / EN 10263-2 C8C (DIN 10263-2 C8C, Qst 34-3)





ø	Y			øB	D	L	øJ	M	No. of grooves cannelures/ Rillen / rigature / aros		Fasteners per pod Nombre de rivets par chargeur / Niete pro Magazin/ Rivetti per carica-tore / Uds./carga	Part No.
nom.	max.	min.	max.	max.	max.	max.	max.	max.		lbf *(kN)*[1]	± 1	
1/8" *(3.2)*	.141 *(3.6)*	.136 *(3.45)*	.139 *(3.55)*	.205 *(5.6)*	.039 *(1.0)*	.312 *(8.8)*	.135 *(3.43)*	.125 *(3.2)*	3	269 *(1.20)*	32	01101-00410
5/32" *(4.0)*	.110 *(2.8)*	.173 *(4.40)*	.177 *(4.50)*	.245 *(6.6)*	.052 *(1.3)*	.250 *(7.2)*	.172 *(4.37)*	.063 *(1.6)*	3	494 *(2.20)*	36	01101-00508
	.173 *(4.4)*					.375 *(10.4)*		.125 *(3.2)*	4		25	01101-00512
	.204 *(5.2)*					.437 *(11.9)*		.187 *(4.8)*	4		22	01101-00514

dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

1) typical values / valeurs moyennes / typische Werte / Valori tipici / valores típicos

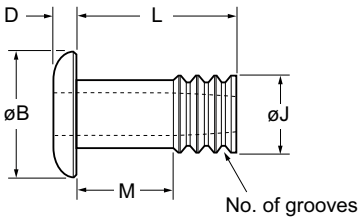
Grovit® 1103 / (1104) Series
Aluminum

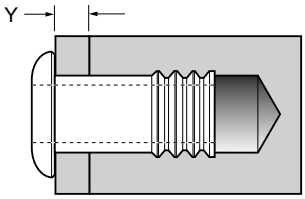
English	Français	Deutsch	Italiano	Español
Dome head	Tête plate	Flachrundkopf	Testa tonda	Cabeza alomada
Aluminum alloy* (2.5 % Mg) Natural	Alliage d'aluminium* (2.5% Mg) Brut	Aluminium* (2.5 % Mg) Blank	Lega di alluminio* (2.5% Mg) Nessuna finitura	Aluminio* (2.5% Mg) Natural

*: AA 5052, DIN 1725 AlMg2.5 Werkstoff 3.3523

Optional on request / sur demande / auf Anfrage / su richiesta / bajo petición:

120° countersunk head: replace part no. 01103 with 01104. Details on request.
120° tête fraisée: remplacer la série 01103 par 01104. Détails sur demande.
120° Senkkopf: ersetzen Sie 01103 durch 01104. Details auf Anfrage.
120° testa svasata: sostituire 01103 con 01104. Dettagli su richiesta.
120° cabeza avellanada: cambiar 01103 por 01104. Más información bajo petición.





ø	Y			øB	D	L	øJ	M	No. of grooves cannelures/ Rillen / rigature / aros		Fasteners per pod Nombre de rivets par chargeur / Niete pro Magazin/ Rivetti per carica-tore / Uds./carga	Part No.
nom.	max.	min.	max.	max.	max.	max.	max.	max.		lbf *(kN)*[1]	± 1	
3/32" *(2.4)*	.078 *(2.0)*	.101 *(2.56)*	.104 *(2.66)*	.156 *(4.2)*	.031 *(1.0)*	.187 *(5.6)*	.100 *(2.54)*	.078 *(2.0)*	2	63 *(0.28)*	46	01103-00306
1/8" *(3.2)*	.141 *(3.6)*	.136 *(3.45)*	.139 *(3.53)*	.205 *(5.6)*	.039 *(1.2)*	.312 *(8.8)*	.135 *(3.43)*	.125 *(3.2)*	3	112 *(0.50)*	32	01103-00410
5/32" *(4.0)*	.110 *(2.8)*	.173 *(4.40)*	.177 *(4.50)*	.245 *(6.6)*	.052 *(1.4)*	.250 *(7.2)*	.172 *(4.37)*	.063 *(1.6)*	3	184 *(0.82)*	36	01103-00508
	.204 *(5.2)*					.437 *(11.9)*		.187 *(4.8)*	4		22	01103-00514

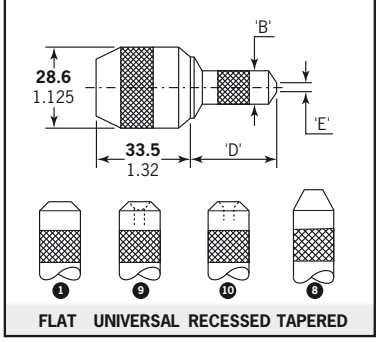
dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

1) typical values / valeurs moyennes / typische Werte / Valori tipici / valores típicos

Briv®, Chobert® & Grovit® Nose Equipment

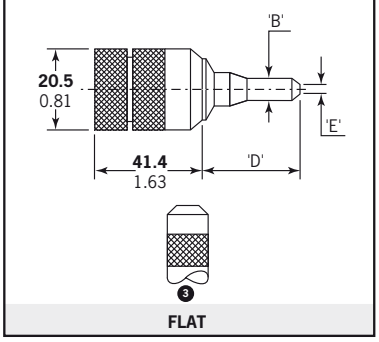
Ensembles de nez / Mundstücke / Equipaggiamento / Equipos de colocación

STANDARD



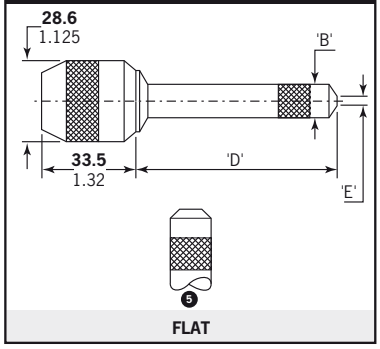
Applications with no or little access restrictions.
Pour applications ne présentant que peu ou pas de contraintes d'accès.
Für alle gut zugänglichen Nietpunkte.
Adatta per applicazioni senza restrizioni di accesso o con restrizioni di accesso limitate.
Apta para aquellas aplicaciones sin ninguna o pocas restricciones da acceso.

LIMITED ACCESS



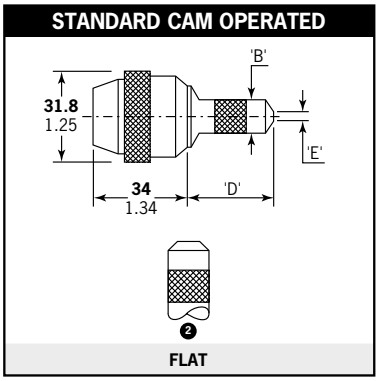
Allows access into very restrictive applications.
Permet d'accéder à des applications à accès très limité.
Für eng an den Bauteilseiten anliegende Nietpunkte.
Consente l'accesso ad applicazioni con serie restrizioni di accesso.
Permite el acceso en aplicaciones de acceso extremadamente limitado.

LONG

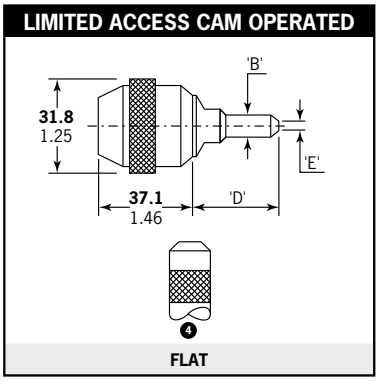


Allows more penetration into applications.
Permet une pénétration supérieure dans les applications sans autres contraintes d'accès.
Für tiefsitzende und eng an den Bauteilseiten anliegende Nietpunkte.
Consente una penetrazione maggiore nell'applicazione senza altre restrizioni di accesso.
Permite una mayor profundidad de acceso en aquellas aplicaciones sin restricción de acceso en anchura.

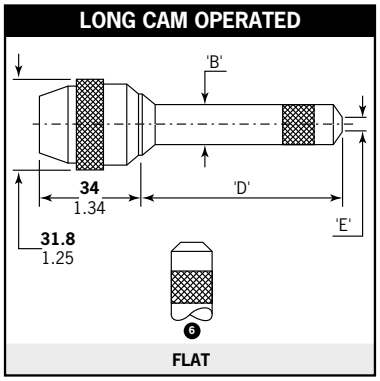
STANDARD CAM OPERATED



LIMITED ACCESS CAM OPERATED

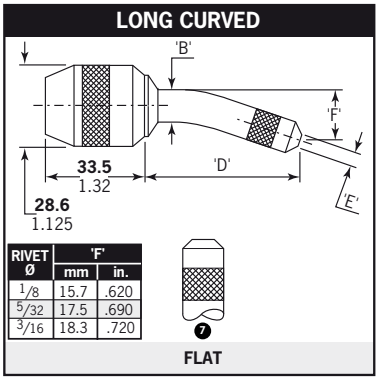


LONG CAM OPERATED



Nose equipment with addition of a twist cam to ease and speed up the nose jaw opening thus the pod reloading procedure.
Ensembles de nez avec, en plus, une came facilitant et accélérant l'ouverture du nez de pose, et donc le rechargement en fixations.
Zum leichteren Magazinieren haben diese Mundstücke durch einen Drehring zu öffnende Mundstückschnäbel.
Equipaggiamento con l'aggiunta di una camma per facilitare e rendere più veloce l'apertura della testata e pertanto la procedura di ricarica dell'astuccio portarivetti.
Boquillas que incorporan una leva para facilitar y hacer más rápida la apertura de la boquilla y el procedimiento de carga.

LONG CURVED



RIVET Ø	'F' mm	'F' in.
1/8	15.7	.620
5/32	17.5	.690
3/16	18.3	.720

Allows more penetration into applications.
Permet une pénétration supérieure dans les applications à accès limité.
Für tiefsitzende und eng an den Bauteilseiten anliegende Nietpunkte.
Consente una penetrazione maggiore nelle applicazioni con restrizioni di accesso.
Permite una mayor penetración en las aplicaciones con acceso limitado.

Type
❶ - ❼ Flat / Plat / Flach / Piatta / Plana
❽ Tapered / Biseauté / Spitz / A punta / Conica
❾ Universal / Universel / Für erhöhte Klammerkraft / Universale / concava
❿ Recessed / En retrait / Spezial / Incassata / Apriete

Briv®, Chobert® & Grovit® Nose Equipment

Ensembles de nez / Mundstücke / Equipaggiamento / Equipos de colocación

ø nom.	Fastener Rivets Niettyp Rivetti Remaches	Nose Equipment Nez de pose Mundstück Testata Boquilla	Type	Part No.	Dimensions Dimension / Abmessungen Dimensioni / Dimensiones B	D	E
3/32" *(2.4)*	Briv® / Chobert® / Grovit®	Standard	❶	07150-03003	.36 *(9.14)*	1.30 *(33.02)*	.16 *(4.06)*
		Standard cam operated	❷	07170-04500	.36 *(9.14)*	1.30 *(33.02)*	
		Limited access	❸	07274-01000	.22 *(5.59)*	1.07 *(27.18)*	
		Limited access cam operated	❹	07177-03003	.20 *(5.08)*	1.18 *(29.97)*	
		Standard tapered	❽	07170-03103	.36 *(9.14)*	1.30 *(33.02)*	
1/8" *(3.2)*	Briv® / Chobert® / Grovit®	Standard	❶	07150-03004	.41 *(10.41)*	1.18 *(29.97)*	.20 *(5.08)*
		Standard cam operated	❷	07170-04600		1.18 *(29.97)*	
		Long	❺	07150-04004		2.18 *(55.37)*	
		Long cam operated	❻	07170-05000		2.18 *(55.37)*	
		Long curved	❼	07150-05004		2.12 *(53.85)*	
		Standard tapered	❽	07170-03104		1.19 *(30.23)*	
	Double Flush Chobert®	Standard cam operated	❷	07537-03100		1.15 *(29.07)*	.23 *(5.95)*
5/32" *(4.0)*	Briv® / Chobert® / Grovit®	Standard	❶	07150-03005	.48 *(12.19)*	1.30 *(33.02)*	.24 *(6.10)*
		Standard cam operated	❷	07170-04700		1.30 *(33.02)*	
		Long	❺	07150-04005		2.30 *(58.42)*	
		Long cam operated	❻	07170-05100		2.30 *(58.42)*	
		Long curved	❼	07150-05005		2.23 *(56.64)*	
	Chobert® / Grovit®	Standard tapered	❽	07150-03105	.44 *(11.18)*	1.30 *(33.02)*	
3/16" *(4.8)*	Briv® / Chobert®	Standard	❶	07150-03006	.56 *(14.22)*	1.18 *(29.97)*	.33 *(8.38)*
		Standard cam operated	❷	07170-04800		1.18 *(29.97)*	
		Long	❺	07150-04006		2.30 *(58.42)*	
		Long cam operated	❻	07170-05200		2.30 *(58.42)*	
		Long curved	❼	07150-05006		2.21 *(56.13)*	
	Chobert®	Standard tapered	❽	07150-03106		1.18 *(29.97)*	
6.0 mm	Briv®	Standard	❶	07170-05800	.64 *(16.33)*	1.21 *(30.65)*	.52 *(13.14)*
		Standard cam operated	❷	07170-05600		1.21 *(30.65)*	
		Long	❺	07170-05900		2.19 *(55.65)*	
		Long cam operated	❻	07170-05700		2.19 *(55.65)*	
1/4" *(6.4)*	Chobert®	Standard	❶	07150-03008	.64 *(16.26)*	1.18 *(29.97)*	.39 *(9.91)*
		Standard cam operated	❷	07170-04900		1.18 *(29.97)*	
		Long	❺	07150-04008		2.18 *(55.37)*	
		Long cam operated	❻	07170-05300		2.18 *(55.37)*	

Head forming Nose Equipment / a formage de tête / kopfformend / a formatura di testa / tipo de boquilla

3/32" *(2.4)*	Briv® [1]	Standard	❾	07150-03203	.36 *(9.14)*	1.33 *(33.78)*	.24 *(6.60)*
1/8" *(3.2)*			❿	07170-03004	.41 *(10.41)*	1.20 *(30.48)*	.30 *(7.62)*
			❾	07150-03204		1.22 *(30.99)*	.32 *(7.69)*
5/32" *(4.0)*			❿	07170-03005	.48 *(12.19)*	1.32 *(33.53)*	.41 *(10.41)*
			❾	07150-03205		1.35 *(34.29)*	
3/16" *(4.8)*			❿	07170-03006	.56 *(14.22)*	1.20 *(30.48)*	.47 *(12.01)*
			❾	07150-03206		1.24 *(31.50)*	

dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

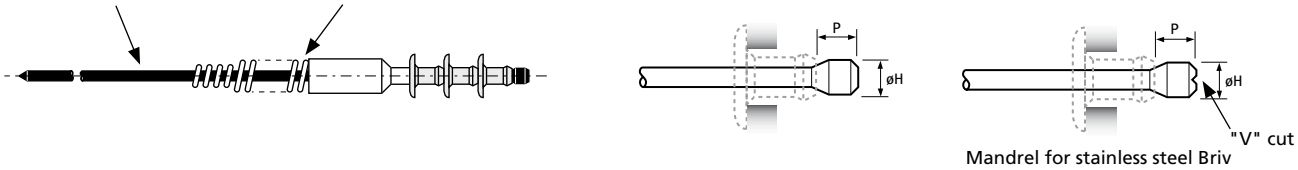
1) except stainless steel and countersunk / sauf inox et tête fraisée / außer Edelstahl und Senkkopf / eccetto acciaio inox e testa svasata / excepto acero inoxidable y cabeza avellanada

❾ maximises clench but reduces grip range by approx. .015" *(0.4)* / obtenir le plus fort serrage possible, mais la prise maximum se trouve réduite d'envion .015" *(0.4)* / maximierte Klammerkraft bei Verringerung des Klemmbereiches um ca. .015" *(0.4)* / ottiene la ribaditura più alta possibile, ma la distanza massima tra i centri dei rivetti viene ridotta di circa .015" *(0.4)* / se alcanza un máximo apriete en la fijación, pero el espesor máximo se reduce en aproximadamente .015" *(0.4)*.

❿ increases clench without affecting grip range / Augmente le sertissage sans influencer l'epeseur / erhöhte Klammerkraft bei gleichem Klemmbereich / aumenta la ribaditura (la presa di rivettatura) senza compromettere lo spessore / incrementa el apriete sin afectar al rango de espesores a remachar

Briv® Mandrel & Spring Information

Aiguilles et Ressorts d'aiguille / Nietdorne und -federn / Mandrini e Molle / Mandriles y Muelles



Mandrel for stainless steel Briv

ø nom.		Description Description Beschreibung Descrizione Descripción	ø H	P max.	Standard Nose Equipment Nez de pose Standard Standard-Mundstück Testata Standard Boquilla Estándard		Long Nose Equipment Nez de pose Long Langes Mundstück Testata Lunga Boquilla Larga	
					Mandrel Part No.	Spring Part No.	Mandrel Part No.	Spring Part No.
3/32" *(2.4)* Aluminum, Brass	as rec.	Standard green	.0720 *(1.83)*	.119 *(3.02)*	07150-06013	07150-06803[1)]	N/A	N/A
	+ .004 *(0.10)*	1. oversize yellow	.0760 *(1.93)*	.123 *(3.12)*	07150-06113			
	+ .008 *(0.20)*	2. oversize blue	.0790 *(2.01)*	.126 *(3.20)*	07150-06213			
1/8" *(3.2)* Aluminum, Steel, Brass	as rec.	Standard green	.0920 *(2.34)*	.120 *(3.05)*	07271-06414	07150-06814	07271-07414	07150-07814
	+ .005 *(0.13)*	1. oversize yellow	.0970 *(2.46)*	.126 *(3.20)*	07271-06514		07271-07514	
	+ .010 *(0.25)*	2. oversize blue	.1020 *(2.59)*	.133 *(3.38)*	07271-06614		07271-07614	
1/8" *(3.2)* Stainless Steel	as rec.	Standard green	.0995 *(2.53)*	.121 *(3.07)*	07170-06804	07150-06814	07170-07804	07150-07814
	+ .005 *(0.13)*	1. oversize yellow	.1045 *(2.65)*	.128 *(3.25)*	07170-06824		07170-07824	
5/32" *(4.0)* Aluminum, Steel, Brass	as rec.	Standard green	.1100 *(2.79)*	.136 *(3.45)*	07150-06015	07170-06875	07150-07015	07170-07875
	+ .005 *(0.13)*	1. oversize yellow	.1150 *(2.92)*	.142 *(3.61)*	07150-06115		07150-07115	
	+ .010 *(0.25)*	2. oversize blue	.1200 *(3.05)*	.149 *(3.78)*	07150-06215		07150-07215	
5/32" *(4.0)* Stainless Steel	as rec.	Standard green	.1200 *(3.05)*	.126 *(3.20)*	07170-06805	07170-06875	07170-07805	07170-07875
	+ .005 *(0.13)*	1. oversize yellow	.1240 *(3.15)*	.132 *(3.35)*	07170-06825		07170-07825	

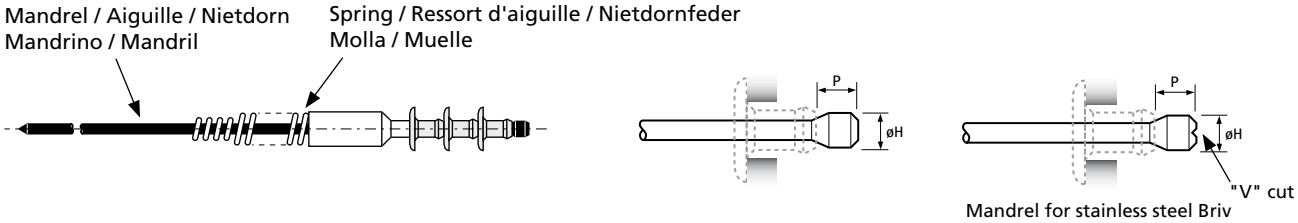
dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

1) For use with standard flat nosepiece. For tapered nosepiece use spring 07170-06873 and for limited access nosepiece use 07170-06903.
Pour utilisation avec nez de pose standard. Avec le nez de pose biseauté utilisez le ressort d'aiguille 07170-06873 et avec le nez de pose en retrait utilisez le 07170-06903.
Für Verwendung mit Standard Mundstück flach. Bei spitzem Mundstück verwenden Sie Feder 07170-06873 und bei abgesetztem Mundstück Feder 07170-06903.
Per uso con nasello standard a filo. Con nasello a punta usate molle 07170-06873 e con nasello incassata usate molle 07170-06903.
Para uso con boquilla estándar plana. Con boquilla cónica utilizar muelle 07170-06873 y con boquilla de acceso limitado utilizar 07170-06903.

English	Français	Deutsch	Italiano	Español
Aluminum	Aluminium	Aluminium	Alluminio	Aluminio
Brass	Laiton	Kupfer-Zink Leg.	Ottone	Latón
Steel	Acier	Stahl	Acciaio	Acero
Stainless Steel	Inox	Edelstahl	Acciaio inox	Acero inoxidable
Standard green	Standard verte	Standard grün	Standard verde	Estándard verde
1. oversize yellow	1. surdimensionée jaune	1. Übermaß gelb	1. maggiorazione giallo	1. sobremedida amarillo
2. oversize blue	2. surdimensionée bleue	2. Übermaß blau	2. maggiorazione blu	2. sobremedida azul
3. oversize red	3. surdimensionée rouge	3. Übermaß rot	3. maggiorazionerosso	3. sobremedida rojo

Briv® Mandrel & Spring Information

Aiguilles et Ressorts d'aiguille / Nietdorne und -federn / Mandrini e Molle / Mandriles y Muelles



Mandrel for stainless steel Briv

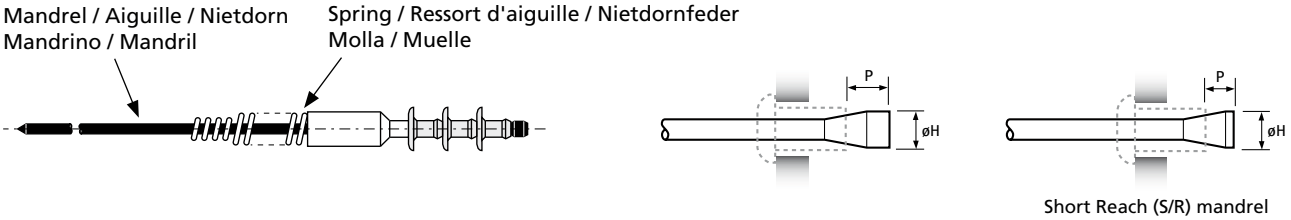
ø nom.		Description Description Beschreibung Descrizione Descripción	ø H	P max.	Standard Nose Equipment Nez de pose Standard Standard-Mundstück Testata Standard Boquilla Estándard		Long Nose Equipment Nez de pose Long Langes Mundstück Testata Lunga Boquilla Larga	
					Mandrel Part No.	Spring Part No.	Mandrel Part No.	Spring Part No.
3/16" *(4.8)* Aluminum, Steel, Brass	as rec.	Standard green	.1410 *(3.58)*	.157 *(3.99)*	07150-06016	07170-06876	07150-07016	07170-07876
	+ .005 *(0.13)*	1. oversize yellow	.1460 *(3.71)*	.164 *(4.17)*	07150-06116		07150-07116	
	+ .010 *(0.25)*	2. oversize blue	.1510 *(3.84)*	.170 *(4.32)*	07150-06216		07150-07216	
	+ .012 *(0.30)*	3. oversize red	.1530 *(3.85)*	.173 *(4.39)*	07150-06316		07150-07316	
3/16" *(4.8)* Stainless Steel	as rec.	Standard green	.1500 *(3.81)*	.150 *(3.81)*	07170-06806	07170-06876	07170-07806	07170-07876
	+ .005 *(0.13)*	1. oversize yellow	.1535 *(3.90)*	.156 *(3.96)*	07170-06826		07170-07826	
6.0 mm Aluminum, Steel	as rec.	Standard green	.1790 *(4.54)*	.165 *(4.18)*	07150-06018	07150-06846	07150-07018	07150-07846
	+ .005 *(0.13)*	1. oversize yellow	.1830 *(4.65)*	.171 *(4.34)*	07150-06118		07150-07118	
	+ .010 *(0.25)*	2. oversize blue	.1890 *(4.79)*	.177 *(4.49)*	07150-06218		07150-07218	

dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

English	Français	Deutsch	Italiano	Español
Aluminum	Aluminium	Aluminium	Alluminio	Aluminio
Brass	Laiton	Kupfer-Zink Leg.	Ottone	Latón
Steel	Acier	Stahl	Acciaio	Acero
Stainless Steel	Inox	Edelstahl	Acciaio inox	Acero inoxidable
Standard green	Standard verte	Standard grün	Standard verde	Estándard verde
1. oversize yellow	1. surdimensionée jaune	1. Übermaß gelb	1. maggiorazione giallo	1. sobremedida amarillo
2. oversize blue	2. surdimensionée bleue	2. Übermaß blau	2. maggiorazione blu	2. sobremedida azul
3. oversize red	3. surdimensionée rouge	3. Übermaß rot	3. maggiorazionerosso	3. sobremedida rojo

Chobert® & Grovit® Mandrel & Spring Information

Aiguilles et Ressorts d'aiguille / Nietdorne und -federn / Mandrini e Molle / Mandriles y Muelles



Short Reach (S/R) mandrel

ø nom.		Description Description Beschreibung Descrizione Descripción	ø H	P max.	P S/R max.	Standard Nose Equipment Nez de pose Standard Standard-Mundstück Testata Standard Boquilla Estándard		Long Nose Equipment Nez de pose Long Langes Mundstück Testata Lunga Boquilla Larga	
						Mandrel[1] Part No.	Spring Part No.	Mandrel[3] Part No.	Spring Part No.
3/32" *(2.4)* Brass, Aluminum	as rec.	Standard green	.0725 *(1.84)*	.166 *(4.22)*	.071 *(1.80)*	07150-06003	07150-06803[2]	07150-07003	07150-07803
	+ .0015 *(0.04)*	1. oversize yellow	.074 *(1.88)*	.174 *(4.42)*	.078 *(1.98)*	07150-06303[1]		S/R only =07150-09103	
	+ .0035 *(0.09)*	2. oversize blue	.076 *(1.93)*	.185 *(4.70)*	N/A	07150-06103		07150-07103	
1/8" *(3.2)* Aluminum Steel, Brass Chobert® / Grovit®	as rec.	Standard green	.088 *(2.24)*	.216 *(5.49)*	.090 *(2.29)*	07150-06004	07150-06804	07150-07004	07150-07804
	+ .004 *(0.10)*	1. oversize yellow	.092 *(2.34)*	.237 *(6.02)*	.098 *(2.49)*	07150-06104		07150-07104	
	+ .010 *(0.25)*	2. oversize blue	.098 *(2.49)*	.268 *(6.81)*	.110 *(2.79)*	07150-06204		07150-07204	
	+ .014 *(0.35)*	3. oversize red	.102 *(2.59)*	.288 *(7.32)*	.118 *(3.00)*	07150-06304		07150-07304	
1/8" *(3.2)* Double Flush Chobert®	as rec.	Standard green	.088 *(2.24)*	N/A	.090 *(2.29)*	07150-08004	07271-06630	N/A	N/A
	+ .004 *(0.10)*	1. oversize yellow	.092 *(2.34)*	N/A	.098 *(2.49)*	07150-08104			
	+ .010 *(0.25)*	2. oversize blue	.098 *(2.49)*	N/A	.110 *(2.79)*	07150-08204			

dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

1) For S/R mandrel substitute 6 with 8 (07150-06xxx => 07150-08xxx), exception: 07150-06303 becomes 07150-08103.
Pour aiguille S/R remplacer 6 par 8 (07150-06xxx => 07150-08xxx), exception: 07150-06303 change à 07150-08103.
Für S/R Nietdorn ersetzen Sie 6 durch 8 (07150-06xxx => 07150-08xxx), Ausnahme: 07150-06303 wird zu 07150-08103.
Per mandrino S/R sostituire 6 con 8 (07150-06xxx => 07150-08xxx), eccezione: 07150-06303 cambia 07150-08103.
Con mandril cono corto S/R cambiar 6 por 8 (07150-06xxx => 07150-08xxx), excepción: 07150-06303 cambia a 07150-08103.

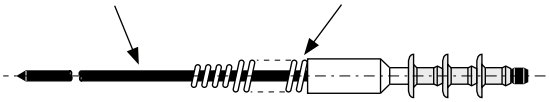
2) For use with standard flat nosepiece. Tapered nosepiece uses spring 07170-06873 and limited access nosepiece uses 07170-06903.
Pour utilisation avec nez de pose standard. Avec le nez de pose biseauté utilisez le ressort d'aiguille 07170-06873 et avec le nez de pose en retrait utilisez le 07170-06903.
Für Verwendung mit Standard Mundstück flach. Bei spitzem Mundstück verwenden Sie Feder 07170-06873, bei abgesetztem Mundstück Feder 07170-06903.
Per uso con nasello standard a filo. Con nasello a punta usate molle 07170-06873 e con nasello incassata usate molle 07170-06903.
Para uso con boquilla estándar plana. Con boquilla cónica utilizar muelle 07170-06873 y con boquilla de acceso limitado utilizar 07170-06903.

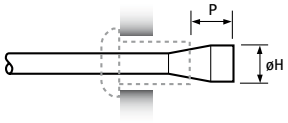
3) For S/R mandrel substitute 7 with 9 (07150-07xxx => 07150-09xxx)
Pour aiguille S/R remplacer 7 par 9 (07150-07xxx => 07150-09xxx)
Für S/R Nietdorn ersetzen Sie 7 durch 9 (07150-07xxx => 07150-09xxx)
Per mandrino S/R sostituire 7 con 9 (07150-07xxx => 07150-09xxx)
Con mandril cono corto S/R cambiar 7 por 9 (07150-07xxx => 07150-09xxx)

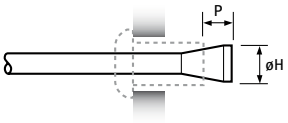
English	Français	Deutsch	Italiano	Español
Aluminum	Aluminium	Aluminium	Alluminio	Aluminio
Brass	Laiton	Kupfer-Zink Leg.	Ottone	Latón
Steel	Acier	Stahl	Acciaio	Acero
Stainless Steel	Inox	Edelstahl	Acciaio inox	Acero inoxidable
Standard green	Standard verte	Standard grün	Standard verde	Estándard verde
1. oversize yellow	1. surdimensionée jaune	1. Übermaß gelb	1. maggiorazione giallo	1. sobremedida amarillo
2. oversize blue	2. surdimensionée bleue	2. Übermaß blau	2. maggiorazione blu	2. sobremedida azul
3. oversize red	3. surdimensionée rouge	3. Übermaß rot	3. maggiorazionerosso	3. sobremedida rojo

Chobert® & Grovit® Mandrel & Spring Information

Aiguilles et Ressorts d'aiguille / Nietdorne und -federn / Mandrini e Molle / Mandriles y Muelles







Short Reach (S/R) mandrel

ø nom.		Description Description Beschreibung Descrizione Descripción	ø H	P max.	P S/R max.	Standard Nose Equipment Nez de pose Standard Standard-Mundstück Testata Standard Boquilla Estándard		Long Nose Equipment Nez de pose Long Langes Mundstück Testata Lunga Boquilla Larga	
						Mandrel[1] Part No.	Spring Part No.	Mandrel[3] Part No.	Spring Part No.
5/32" *(4.0)* Aluminum, Steel, Brass	as rec.	Standard green	.107 *(2.72)*	.244 *(6.20)*	.100 *(2.54)*	07150-06005	07170-06875	07150-07005	07170-07875
	+ .008 *(0.20)*	1. oversize yellow	.115 *(2.92)*	.284 *(7.21)*	.116 *(2.95)*	07150-06105		07150-07105	
	+ .015 *(0.38)*	2. oversize blue	.122 *(3.10)*	.320 *(8.13)*	.130 *(3.30)*	07150-06205		07150-07205	
	+ .025 *(0.63)*	3. oversize red	.132 *(3.35)*	.372 *(9.45)*	.150 *(3.81)*	07150-06305	07150-06805	07150-07305	07150-07805
3/16" *(4.8)* Aluminum Steel, Brass	as rec.	Standard green	.132 *(3.35)*	.247 *(6.27)*	.102 *(2.59)*	07150-06006	07170-06876	07150-07006	07170-07876
	+ .014 *(0.35)*	1. oversize yellow	.146 *(3.71)*	.320 *(8.13)*	.130 *(3.30)*	07150-06106		07150-07106	
	+ .024 *(0.60)*	2. oversize blue	.156 *(3.96)*	.372 *(9.45)*	.150 *(3.81)*	07150-06206	07150-06806	07150-07206	07150-07806
1/4" *(6.4)* Aluminum, Steel	as rec.	Standard green	.184 *(4.67)*	.268 *(6.81)*	.110 *(2.79)*	07150-06008	07150-06808	07150-07008	07150-07808
	+ .012 *(0.30)*	1. oversize yellow	.196 *(4.98)*	.330 *(8.38)*	.134 *(3.40)*	07150-06108		07150-07108	

dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

1) For S/R mandrel substitute 6 with 8 (07150-06xxx => 07150-08xxx), exception: 07150-06303 becomes 07150-08103.
Pour aiguille S/R remplacer 6 par 8 (07150-06xxx => 07150-08xxx), exception: 07150-06303 change à 07150-08103.
Für S/R Nietdorn ersetzen Sie 6 durch 8 (07150-06xxx => 07150-08xxx), Ausnahme: 07150-06303 wird zu 07150-08103.
Per mandrino S/R sostituire 6 con 8 (07150-06xxx => 07150-08xxx), eccezione: 07150-06303 cambia 07150-08103.
Con mandril cono corto S/R cambiar 6 por 8 (07150-06xxx => 07150-08xxx), excepción: 07150-06303 cambia a 07150-08103.

3) For S/R mandrel substitute 7 with 9 (07150-07xxx => 07150-09xxx)
Pour aiguille S/R remplacer 7 par 9 (07150-07xxx => 07150-09xxx)
Für S/R Nietdorn ersetzen Sie 7 durch 9 (07150-07xxx => 07150-09xxx)
Per mandrino S/R sostituire 7 con 9 (07150-07xxx => 07150-09xxx)
Con mandril cono corto S/R cambiar 7 por 9 (07150-07xxx => 07150-09xxx)

English	Français	Deutsch	Italiano	Español
Aluminum	Aluminium	Aluminium	Alluminio	Aluminio
Brass	Laiton	Kupfer-Zink Leg.	Ottone	Latón
Steel	Acier	Stahl	Acciaio	Acero
Stainless Steel	Inox	Edelstahl	Acciaio inox	Acero inoxidable
Standard green	Standard verte	Standard grün	Standard verde	Estándard verde
1. oversize yellow	1. surdimensionée jaune	1. Übermaß gelb	1. maggiorazione giallo	1. sobremedida amarillo
2. oversize blue	2. surdimensionée bleue	2. Übermaß blau	2. maggiorazione blu	2. sobremedida azul
3. oversize red	3. surdimensionée rouge	3. Übermaß rot	3. maggiorazionerosso	3. sobremedida rojo

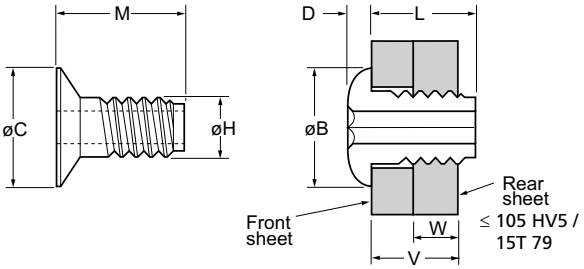
Rivscrew® 1722 / (1723) Series
Steel

English	Français	Deutsch	Italiano	Español
Dome head	Tête plate	Flachrundkopf	Testa tonda	Cabeza alomada
Low carbon steel*	Acier à faible teneur en carbone*	Stahl*	Acciaio a basso tenore di carbonio*	Acero bajo en carbono*
Zinc plated	Revêtement zingué	Verzinkt	Zincato	Zincado
Clear trivalent passivated	Passivation claire trivalente	Klar chromatiert, Cr6-frei	Passivazione chiara trivalente	Pasivado claro trivalente

* : BS 3111 Type 0, SAE 1008, DIN 1654 Qst 34-3

Optional on request / sur demande / auf Anfrage / su richiesta / bajo petición:

Tin plated: replace part no. 01722 with 01723. / Etamé: remplacer la série 01722 par 01723. / Verzinnt: ersetzen Sie 01722 durch 01723. Stagnato: sostituire 01722 con 01723. / Estañado: cambiar 01722 por 01723.

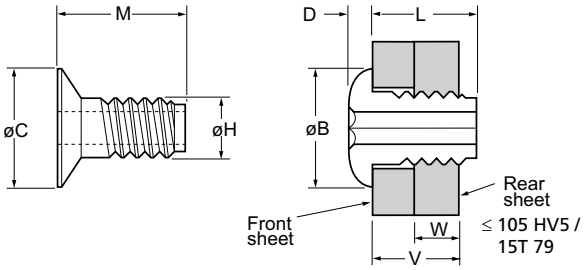


1) Dimensions B and D are generated during the installation process and should only be used as an indication of the minimum space required.
Les cotes B et D ne sont données qu'à titre et représentent l'encombrement maximal de la tête du Rivscrew après pose.
Maße B und D werden während der Verarbeitung erzeugt und sollten nur als Anhaltspunkt für den minimalen Platzbedarf verwendet werden.
Le dimensioni B e D sono generate durante il processo d'installazione e devono essere usate solo come un'indicazione del minimo spazio richiesto.
Las dimensiones B y D se conforman en el proceso de colocación y deben tomarse como orientativas para comprobar el espacio mínimo necesario.

ø	øH	Front sheet pièce à fixer / oberes Bauteil / piastra frontale/ pieza anterior		Rear sheet pièce support/ unteres Bauteil/ piastra posteriore / pieza posterior		øC	M	W	V	øB[1)]	D[1)]	L	Fasteners per pod Nombre de rivets par chargeur/ Niete pro Magazin/ Rivetti per caricatore / Uds./carga ± 1	Part No.
nom.	max.	min.	max.	min.	max.	max.	max.	min.	max.	max.	max.	max.		
2.8 mm	.1023 (2.6)	.116 (2.95)	.119 (3.02)	.103 (2.62)	.106 (2.70)	.230 (5.9)	.202 (5.2)	.064 (1.62)	.112 (2.85)	.240 (6.1)	.055 (1.4)	.157 (4.0)	62	01722-02806
							.241 (6.2)		.151 (3.85)			.196 (5.0)	52	01722-02807
							.280 (7.2)		.190 (4.83)			.235 (6.0)	43	01722-02809
							.319 (8.2)		.229 (5.82)			.274 (7.0)	38	01722-02810
							.397 (10.1)		.307 (7.80)			.352 (9.0)	30	01722-02812
3.0 mm	.1107 (2.8)	.121 (3.07)	.124 (3.15)	.111 (2.82)	.114 (2.89)	.230 (5.9)	.202 (5.2)	.064 (1.62)	.112 (2.85)	.240 (6.1)	.055 (1.4)	.157 (4.0)	62	01722-03006
							.241 (6.2)		.151 (3.85)			.196 (5.0)	52	01722-03007
							.280 (7.2)		.190 (4.83)			.235 (6.0)	43	01722-03009
							.319 (8.2)		.229 (5.82)			.274 (7.0)	38	01722-03010
							.359 (9.2)		.268 (6.81)			.314 (8.0)	34	01722-03011
							.397 (10.1)		.307 (7.80)			.352 (9.0)	30	01722-03012
							.515 (13.1)		.422 (10.72)			.467 (11.9)	23	01722-03016

dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

Rivscrew® 1722 / (1723) Series
Steel



1) Dimensions B and D are generated during the installation process and should only be used as an indication of the minimum space required.
Les cotes B et D ne sont données qu'à titre et représentent l'encombrement maximal de la tête du Rivscrew après pose.
Maße B und D werden während der Verarbeitung erzeugt und sollten nur als Anhaltspunkt für den minimalen Platzbedarf verwendet werden.
Le dimensioni B e D sono generate durante il processo d'installazione e devono essere usate solo come un'indicazione del minimo spazio richiesto.
Las dimensiones B y D se conforman en el proceso de colocación y deben tomarse como orientativas para comprobar el espacio mínimo necesario.

ø	øH	Front sheet pièce à fixer / oberes Bauteil / piastra frontale/ pieza anterior		Rear sheet pièce support/ unteres Bauteil/ piastra posteriore / pieza posterior		øC	M	W	V	øB[1)]	D[1)]	L	Fasteners per pod Nombre de rivets par chargeur/ Niete pro Magazin/ Rivetti per caricatore / Uds./carga ± 1	Part No.
nom.	max.	min.	max.	min.	max.	max.	max.	min.	max.	max.	max.	max.		
3.5 mm	.1215 *(3.1)*	.138 *(3.50)*	.141 *(3.58)*	.122 *(3.10)*	.125 *(3.17)*	.235 *(6.0)*	.202 *(5.2)*	.064 *(1.62)*	.112 *(2.85)*	.240 *(6.1)*	.055 *(1.4)*	.157 *(4.0)*	62	01722-03506
							.241 *(6.2)*		.151 *(3.85)*			.196 *(5.0)*	52	01722-03507
							.280 *(7.2)*		.190 *(4.83)*			.235 *(6.0)*	43	01722-03509
							.319 *(8.2)*		.229 *(5.82)*			.274 *(7.0)*	38	01722-03510
							.359 *(9.2)*		.268 *(6.81)*			.314 *(8.0)*	34	01722-03511
							.397 *(10.1)*		.307 *(7.80)*			.352 *(9.0)*	30	01722-03512
							.553 *(14.1)*		.463 *(11.76)*			.508 *(12.9)*	21	01722-03517
4.0 mm	.1415 *(3.6)*	.165 *(4.19)*	.168 *(4.27)*	.142 *(3.61)*	.145 *(3.68)*	.245 *(6.3)*	.202 *(5.2)*	.064 *(1.62)*	.112 *(2.85)*	.250 *(6.4)*	.055 *(1.4)*	.157 *(4.0)*	62	01722-04006
							.241 *(6.2)*		.151 *(3.85)*			.196 *(5.0)*	52	01722-04007
							.280 *(7.2)*		.190 *(4.83)*			.235 *(6.0)*	43	01722-04009
							.319 *(8.2)*		.229 *(5.82)*			.274 *(7.0)*	38	01722-04010
							.359 *(9.2)*		.268 *(6.81)*			.314 *(8.0)*	34	01722-04011
							.397 *(10.1)*		.307 *(7.80)*			.352 *(9.0)*	30	01722-04012
							.475 *(12.1)*		.385 *(9.78)*			.430 *(11.0)*	25	01722-04015

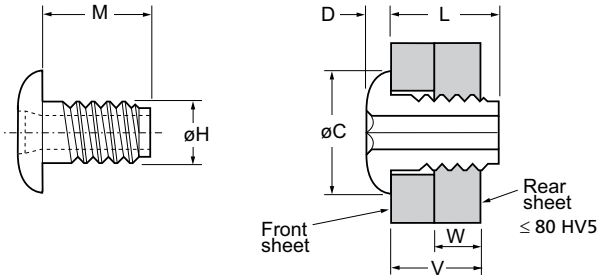
dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

ø			Hex Key Size Dim. clef 6 pans / Sechskantgröße / Dim. chiave esagonale / llave Allen
nom.	lbf *(kN)*	lbf *(kN)*	
2.8 mm	202 *(0.90)*	157 *(0.70)*	1/16" *(1.60)*
3.0 mm	202 *(0.90)*	180 *(0.80)*	1/16" *(1.60)*
3.5 mm	225 *(1.00)*	225 *(1.0)*	5/64" *(2.0)*
4.0 mm	292 *(1.30)*	270 *(1.2)*	2.5 mm

Rivscrew® 1733 Series
Steel

English	Français	Deutsch	Italiano	Español
Dome head	Tête plate	Flachrundkopf	Testa tonda	Cabeza alomada
Low carbon steel*	Acier à faible teneur en carbone*	Stahl*	Acciaio a basso tenore di carbonio*	Acero bajo en carbono*
Zinc plated Clear trivalent passivated	Revêtement zingué Passivation claire trivalente	Verzinkt Klar chromatiert, Cr6-frei	Zincatura Passivazione chiara trivalente	Zincado Pasivado claro trivalente

* : SAE 1008



ø	øH	Front sheet pièce à fixer / oberes Bauteil / piastra frontale / pieza anterior		Rear sheet pièce support / unteres Bauteil / piastra posteriore / pieza posterior		M	øC	D	W	V	L	Hex Key Size Dim. clef 6 pans / Sechskantgröße / Dim. chiave esagonale / llave Allen	Fasteners per pod Nombre de rivets par chargeur / Niete pro Magazin / Rivetti per caricatore / Uds./carga	Part No.
nom.	max.	min.	max.	min.	max.	max.	max.	max.	min.	max.	max.		± 1	
3/16" *(4.8)*	.1765 *(4.48)*	.193 *(4.90)*	.197 *(5.00)*	.177 *(4.50)*	.181 *(4.60)*	.327 *(8.4)*	.374 *(9.5)*	.067 *(1.7)*	.110 *(2.8)*	.256 *(6.5)*	.342 *(8.7)*	2.5 mm	28	01733-04810
						.522 *(13.3)*				.453 *(11.5)*	.531 *(13.5)*		19	01733-04816

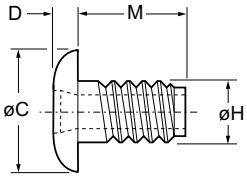
dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

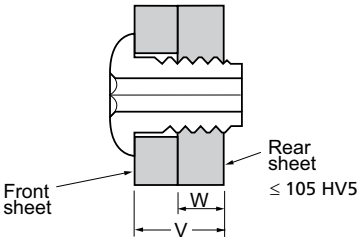
POP® Avdel®

Rivscrew® 1772 Series
Steel

English	Français	Deutsch	Italiano	Español
Dome head	Tête plate	Flachrundkopf	Testa tonda	Cabeza alomada
Low carbon steel*	Acier à faible teneur en carbone*	Stahl*	Acciaio a basso tenore di carbonio*	Acero bajo en carbono*
Zinc plated Clear trivalent passivated	Revêtement zingué Passivation claire trivalente	Verzinkt Klar chromatiert, Cr6-frei	Zincatura Passivazione chiara trivalente	ZincadoPasivado claro trivalente

* : BS 31110 Type 0, SAE 1008, DIN 1654 QSt 34-3



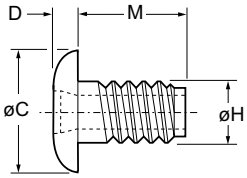


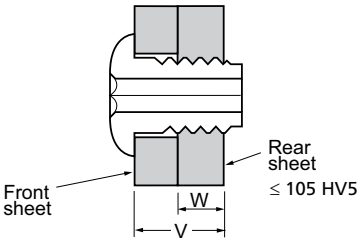
ø	øH	Front sheet pièce à fixer / oberes Bauteil/ piastra frontale/ pieza anterior		Rear sheet pièce support/ unteres Bauteil/ piastra posteriore / pieza posterior		M	øC	D	W	V	Hex Key Size Dim. clef 6 pans / Sechskantgröße / Dim. chiave esagonale / llave Allen	Torque-to-turn tenue au couple / Verdrehmoment / coppia di rotazione / resistencia al giro	Fasteners per pod Nombre de rivets par chargeur / Niete pro Magazin / Rivetti per caricatore / Uds./carga	Part No.
nom.	max.	min.	max.	min.	max.	max.	max.	max.	min.	max.		lbf in *(Nm)*	± 1	
2.8 mm	.1023 *(2.60)*	.116 *(2.95)*	.119 *(3.02)*	.103 *(2.62)*	.106 *(2.70)*	.164 *(4.2)*	.244 *(6.2)*	.047 *(1.2)*	.064 *(1.62)*	.124 *(3.15)*	1/16" *(1.60)*	2.5 *(0.28)*	62	01772-02806
						.204 *(6.2)*				.164 *(4.17)*			59	01772-02807
						.244 *(7.2)*				.204 *(5.18)*			43	01772-02809
						.283 *(7.3)*				.243 *(6.17)*			38	01772-02810
						.386 *(9.8)*				.346 *(8.79)*			30	01772-02812
3.0 mm	.1107 *(2.82)*	.121 *(3.07)*	.124 *(3.15)*	.111 *(2.82)*	.114 *(2.89)*	.164 *(4.2)*	.244 *(6.2)*	.047 *(1.2)*	.064 *(1.62)*	.124 *(3.15)*	1/16" *(1.60)*	2.5 *(0.28)*	62	01772-03006
						.204 *(5.28)*				.164 *(4.17)*			52	01772-03007
						.244 *(6.25)*				.204 *(5.18)*			43	01772-03009
						.283 *(7.3)*				.243 *(6.17)*			38	01772-03010
						.350 *(8.9)*				.310 *(7.87)*			43	01772-03011
						.386 *(9.8)*				.346 *(8.79)*			30	01772-03012
						.497 *(12.8)*				.457 *(11.61)*			23	01772-03016

dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

POP® Avdel®

Rivscrew® 1772 Series
Steel





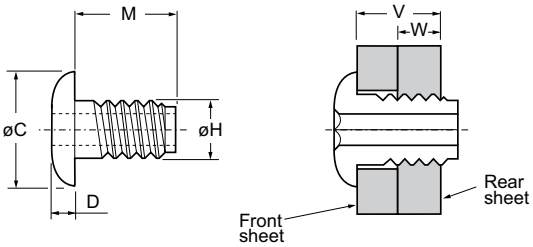
ø	øH	Front sheet pièce à fixer / oberes Bauteil/ piastra frontale/ pieza anterior		Rear sheet pièce support/ unteres Bauteil/ piastra posteriore / pieza posterior		M	øC	D	W	V	Hex Key Size Dim. clef 6 pans / Sechskantgröße / Dim. chiave esagonale / llave Allen	Torque-to-turn tenue au couple / Verdrehmoment / coppia di rotazione / resistencia al giro	Fasteners per pod Nombre de rivets par chargeur / Niete pro Magazin / Rivetti per caricatore / Uds./carga	Part No.
nom.	max.	min.	max.	min.	max.	max.	max.	max.	min.	max.		lbf in *(Nm)*	± 1	
3.5 mm	.1215 *(3.09)*	.138 *(3.50)*	.141 *(3.58)*	.122 *(3.10)*	.125 *(3.17)*	.164 *(4.2)*	.244 *(6.2)*	.047 *(1.2)*	.064 *(1.62)*	.124 *(3.15)*	5/64" *(2.0)*	5.0 *(0.56)*	62	01772-03506
						.204 *(5.2)*				.164 *(4.17)*			52	01772-03507
						.244 *(6.2)*				.204 *(5.18)*			43	01772-03509
						.283 *(7.3)*				.243 *(6.17)*			38	01772-03510
						.350 *(8.9)*				.310 *(7.87)*			34	01772-03511
						.386 *(9.8)*				.346 *(8.79)*			30	01772-03512
						.512 *(12.7)*				.472 *(11.99)*			21	01772-03517
4.0 mm	.1415 *(3.60)*	.165 *(4.19)*	.168 *(4.27)*	.142 *(3.61)*	.145 *(3.68)*	.164 *(4.2)*	.244 *(6.2)*	.047 *(1.2)*	.064 *(1.62)*	.112 *(2.85)*	2.50 mm	5.5 *(0.62)*	62	01772-04006
						.204 *(5.2)*				.151 *(3.85)*			52	01772-04007
						.244 *(6.2)*				.190 *(4.83)*			43	01772-04009
						.283 *(7.3)*				.229 *(5.82)*			38	01772-04010
						.322 *(8.2)*				.268 *(6.81)*			34	01772-04011
						.360 *(9.24)*				.307 *(7.80)*			30	01772-04012
						.438 *(11.2)*				.385 *(9.78)*			25	01772-04015

dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

Rivscrew® PL 1742 Series
Steel

English	Français	Deutsch	Italiano	Español
Dome head	Tête bombée	Flachrundkopf	Testa tonda	Cabeza alomada
Low carbon steel*	Acier à faible teneur en carbone*	Stahl*	Acciaio a basso tenore di carbonio*	Acero bajo en carbono*
Zinc plated	Zingué	Verzinkt	Zincato	Zincado
Clear trivalent passivated	Passivation claire trivalente	Klar chromatiert, Cr6-frei	Passivazione chiara trivalente	Pasivado claro trivalente

* : BS 3111 Type 0, SAE 1008, DIN 1654 Qst 34-3



ø	ø H	Front sheet Pièce à fixer / oberes Bauteil / piastra frontale / pieza anterior		Rear sheet Pièce support / unteres Bauteil / piastra posteriore/ pieza posterior		øC	D	M	W	V	Hex Key Size Dim. clef 6 pans/ Sechskantgröße/ Dim. chiave esagonale / llave Allen	Part No.
nom.	max.	min.	max.	min.	max.	max.	max.	max.	min.	max.		
3.0 mm	.1106 *(2.81)*	.129 *(3.28)*	.132 *(3.35)*	.111 *(2.82)*	.114 *(2.90)*	.244 *(6.2)*	.047 *(1.2)*	.273 *(7.0)*	.110 *(2.79)*	.215 *(5.46)*	1/16" *(1.60)*	01742-03008
								.398 *(10.2)*		.340 *(8.64)*		01742-03012
								.523 *(13.3)*		.465 *(11.81)*		01742-03016
3.5 mm	.1215 *(3.09)*	.139 *(3.53)*	.142 *(3.63)*	.122 *(3.10)*	.125 *(3.18)*	.244 *(6.2)*	.047 *(1.2)*	.273 *(7.0)*	.110 *(2.79)*	.215 *(5.46)*	1/16" *(1.60)*	01742-03508
								.398 *(10.2)*		.340 *(8.64)*		01742-03512
								.523 *(13.3)*		.465 *(11.81)*		01742-03516
4.0 mm	.1334 *(3.39)*	.161 *(4.09)*	.164 *(4.17)*	.1338 *(3.40)*	.1368 *(3.47)*	.319 *(8.1)*	.047 *(1.2)*	.273 *(7.0)*	.120 *(3.04)*	.215 *(5.46)*	5/64" *(2.00)*	01742-04008
								.398 *(10.2)*		.340 *(8.64)*		01742-04012
								.523 *(13.3)*		.465 *(11.81)*		01742-04016
4.5 mm	.1571 *(3.99)*	.194 *(4.93)*	.197 *(5.00)*	.1575 *(4.00)*	.1605 *(4.08)*	.319 *(8.1)*	.047 *(1.2)*	.273 *(7.0)*	.120 *(3.04)*	.215 *(5.46)*	2.5 mm	01742-04508
								.398 *(10.2)*		.340 *(8.64)*		01742-04512
								.523 *(13.3)*		.465 *(11.81)*		01742-04516

dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

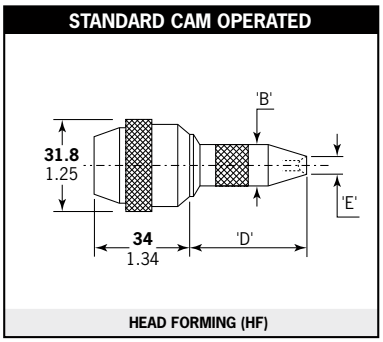
Rivscrew® & Rivscrew® PL Nose Equipment

Ensembles de nez / Mundstücke / Equipaggiamento / Equipos de colocación

Rivscrew® 1722 / 1723 Series

Head forming / a formage de tête / kopfformend / a formatura di testa / Tipo de boquilla

STANDARD CAM OPERATED



HEAD FORMING (HF)

Applications with no or little access restrictions.

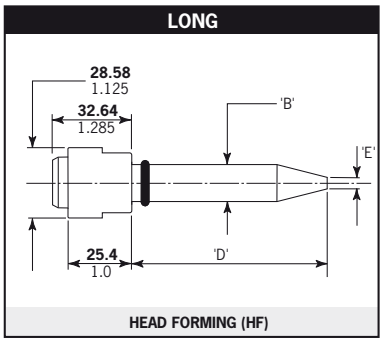
Pour applications ne présentant que peu ou pas de contraintes d'accès.

Für alle gut zugänglichen Nietpunkte.

Adatta per applicazioni senza restrizioni di accesso o con restrizioni di accesso limitate.

Apta para aquellas aplicaciones sin ninguna o pocas restricciones da acceso.

LONG



HEAD FORMING (HF)

Allows more penetration into applications.

Permet une pénétration supérieure dans les applications sans autres contraintes d'accès.

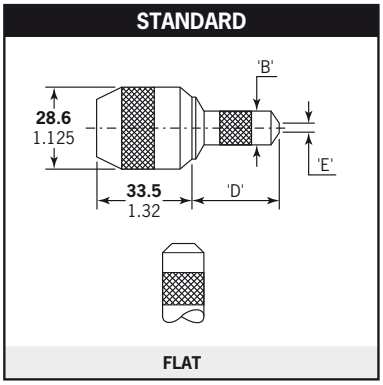
Für tiefsitzende und eng an den Bauteilseiten anliegende Nietpunkte.

Consente una penetrazione maggiore nell'applicazione senza altre restrizioni di accesso.

Permite una mayor profundidad de acceso en aquellas aplicaciones sin restricción de acceso en anchura.

Rivscrew® 1772/1733 Series & Rivscrew® PL

STANDARD



FLAT

Applications with no or little access restrictions.

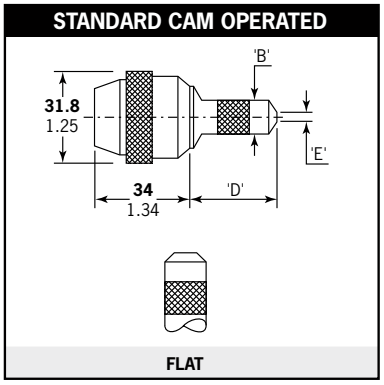
Pour applications ne présentant que peu ou pas de contraintes d'accès.

Für alle gut zugänglichen Nietpunkte.

Adatta per applicazioni senza restrizioni di accesso o con restrizioni di accesso limitate.

Apta para aquellas aplicaciones sin ninguna o pocas restricciones da acceso.

STANDARD CAM OPERATED



FLAT

Nose equipment with addition of a twist cam to ease and speed up the nose jaw opening thus the pod reloading procedure.

Ensembles de nez avec, en plus, une came facilitant et accélérant l'ouverture du nez de pose, et donc le rechargement en fixations.

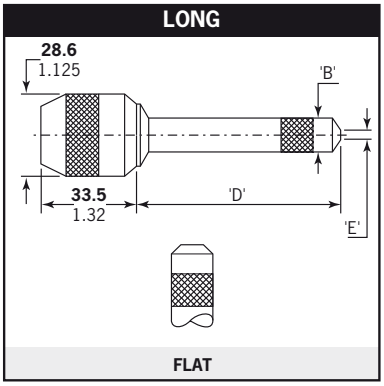
Zum leichteren Magazinieren haben diese Mundstücke durch einen Drehring zu öffnende Mundstückschnäbel.

Equipaggiamento con l'aggiunta di una camma per facilitare e rendere più veloce l'apertura della testata e pertanto la procedura di ricarica dell'astuccio portarivetti.

Boquillas que incorporan una leva para facilitar y hacer más rápida la apertura de la boquilla y el procedimiento de carga.

Rivscrew® 1733 Series

LONG



FLAT

Allows more penetration into applications.

Permet une pénétration supérieure dans les applications sans autres contraintes d'accès.

Für tiefsitzende und eng an den Bauteilseiten anliegende Nietpunkte.

Consente una penetrazione maggiore nell'applicazione senza altre restrizioni di accesso.

Permite una mayor profundidad de acceso en aquellas aplicaciones sin restricción de acceso en anchura.

Rivscrew® & Rivscrew® PL Nose Equipment

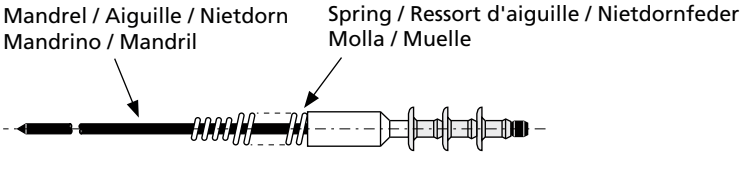
Ensembles de nez / Mundstücke / Equipaggiamento / Equipos de colocación

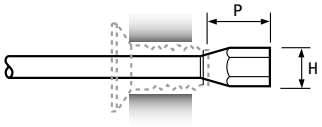
ø nom.	Fastener Rivets Niettyp Rivetti Remaches	Nose Equipment Nez de pose Mundstück Testata Boquilla	Part No.	Dimensions Dimension / Abmessungen Dimensioni / Dimensiones B	D	E
2.8 mm	Rivscrew® 1722 / 1723 Series	Standard cam operated	07271-03000	.41 *(10.41)*	1.18 *(29.97)*	.24 *(6.10)*
		Long	07271-08600	.61 *(15.50)*	2.64 *(67.10)*	.25 *(6.35)*
3.0 mm		Standard cam operated	07271-03000	.41 *(10.41)*	1.18 *(29.97)*	.24 *(6.10)*
		Long	07271-08600	.61 *(15.50)*	2.64 *(67.10)*	.25 *(6.35)*
3.5 mm		Standard cam operated	07271-03500	.41 *(10.41)*	1.18 *(29.97)*	.24 *(6.10)*
		Long	07271-08700	.61 *(15.50)*	2.64 *(67.10)*	.25 *(6.35)*
4.0 mm		Standard cam operated	07271-04000	.41 *(10.41)*	1.18 *(29.97)*	.25 *(6.35)*
		Long	07271-08800	.61 *(15.50)*	2.64 *(67.10)*	.28 *(7.10)*
2.8 mm	Rivscrew® 1772 Series (preformed head)	Standard	07150-03004	.41 *(10.41)*	1.18 *(29.97)*	.20 *(5.08)*
		Standard cam operated	07170-04600			
3.0 mm		Standard	07150-03004			
		Standard cam operated	07170-04600			
3.5 mm		Standard	07150-03004			
		Standard cam operated	07170-04600			
4.0 mm		Standard	07150-03005	.48 *(12.19)*	1.30 *(33.02)*	.24 *(6.10)*
		Standard cam operated	07170-04700			
4.8 mm	Rivscrew® 1733 Series (preformed head)	Standard	07150-03006	.56 *(14.22)*	1.18 *(29.97)*	.20 *(8.38)*
		Long	07150-04006		2.30 *(58.42)*	
3.0 mm	Rivscrew® PL (preformed head)	Standard cam operated	07170-04600	.41 *(10.41)*	1.18 *(29.97)*	.33 *(5.08)*
3.5 mm						
4.0 mm		Standard	07150-03005	.48 *(12.19)*	1.30 *(33.02)*	.24 *(6.10)*
4.5 mm						

dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

Rivscrew® & Rivscrew® PL Mandrel & Spring Information

Aiguilles et Ressorts d'aiguille / Nietdorne und -federn / Mandrini e Molle / Mandriles y Muelles





ø nom.	Nose Equipment Nez de pose Mundstück Testata Boquilla Part No.	Description Description Beschreibung Descrizione Descripción	H A/F	P max.	Mandrel Aiguille Nietdorn Mandrino Mandril Part No.	Spring Ressort d'aiguille Nietdornfeder Molla Muelle Part No.
Rivscrew® 1722 / 1723						
2.8 mm	07271-03000	Standard cam operated	.065 *(1.65)*	.127 *(3.23)*	07271-06030	07271-06630
	07271-08600	Long			07271-07030	07271-07630
3.0 mm	07271-03000	Standard cam operated	.065 *(1.65)*	.127 *(3.23)*	07271-06030	07271-06630
	07271-08600	Long			07271-07030	07271-07630
3.5 mm	07271-03500	Standard cam operated	.0825 *(2.10)*	.132 *(3.35)*	07271-06035	07271-06635
	07271-08700	Long			07271-07035	07271-07635
4.0 mm	07271-04000	Standard cam operated	.103 *(2.62)*	.150 *(3.81)*	07271-06140	07271-06640
	07271-08800	Long			07271-07140	07271-07640
Rivscrew® 1772/1733 Series (preformed head)						
2.8 mm 3.0 mm 3.5 mm	07150-03004	Standard	.065 *(1.65)*	.127 *(3.23)*	07271-06030	07271-06630
	07170-04600	Standard cam operated				
4.0 mm	07150-03005	Standard	.0825 *(2.10)*	.132 *(3.35)*	07271-06035	07271-06630
	07170-04700	Standard cam operated				
4.8 mm	07150-03006	Standard	.103 *(2.62)*	.150 *(3.81)*	07271-06140	07271-06640
	07150-04006	Long			07271-07140	07271-07640
Rivscrew® PL 1742 (preformed head)						
3.0 mm 3.5 mm	07170-04600	Standard cam operated	.065 *(1.65)*	.147 *(3.75)*	07279-06429	07271-06630
4.0 mm	07150-03005	Standard	.0825 *(2.10)*	.132 *(3.35)*	07271-06035	07271-06635
4.5 mm			.103 *(2.62)*	.150 *(3.81)*	07271-06140	07271-06640

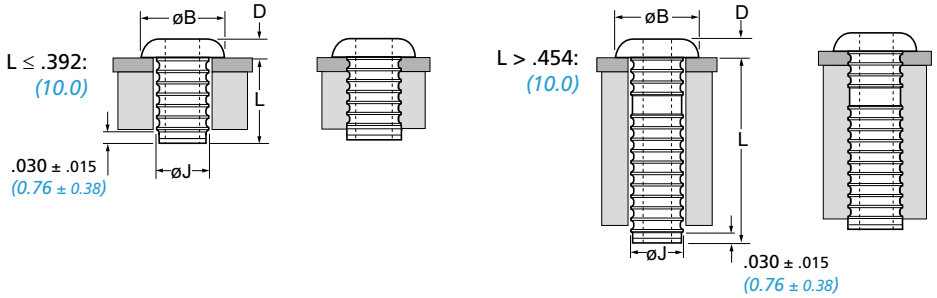
dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

Avtronic® 1188 Series
Brass

English	Français	Deutsch	Italiano	Español
Dome head	Tête plate	Flachrundkopf	Testa tonda	Cabeza alomada
Brass* Electro tin plated**	Laiton* Etamage électrolytique**	Kupfer-Zink Legierung* verzinnt**	Ottone* Stagnato**	Latón* Estañado electrolítico**

*: BS EN 12166 CW 508L DIN 17660 CuZn37

**: We recommend tin plated parts 1188 Series are installed within 9 months from the date they were produced.
Nous conseillons d'utiliser les pièces en laiton étamé du série 1188 sous un délai de 9 mois après la date de production.
Wir empfehlen, verzinnte Niete der Serie 1188 innerhalb 9 Monaten nach Produktionsdatum zu verarbeiten.
Raccomandare di utilizzare i prodotti stagnati serie 1188 entro 9 mesi a decorrere dalla data di fabbricazione.
Recomendamos utilizar sus piezas estañadas serie 1188 antes de 9 meses desde la fecha de su fabricación.



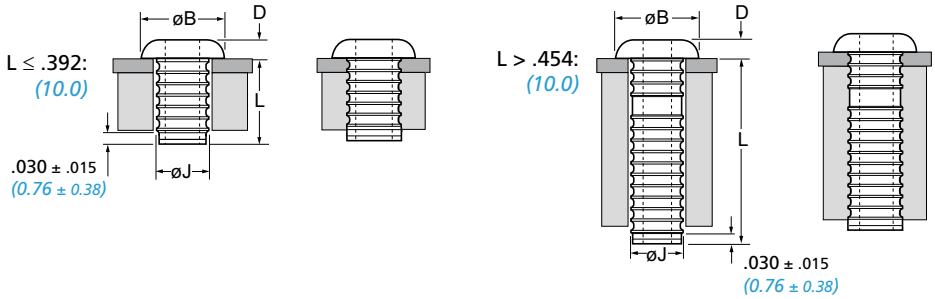
ø			øB	D	L	øJ	F	Fasteners per pod Nombre de rivets par chargeur/ Niete pro Magazin/ Rivetti per carica-tore / Uds./carga	Part No.
nom.	min.	max.	max.	max.	max.	max.	lbf (kN)[1]	± 1	
2.5 mm	.098 (2.50)	.102 (2.60)	.163 (4.14)	.037 (0.94)	.204 (5.18)	.0973 (2.48)	10 (0.045)	51	01188-02506
					.267 (6.78)			41	01188-02508
					.329 (8.36)			33	01188-02510
					.392 (9.96)			28	01188-02512
					.454 (11.53)			24	01188-02514
					.517 (13.13)			21	01188-02516
					.579 (14.71)			19	01188-02518
					.642 (16.31)			17	01188-02520
					.704 (17.88)			16	01188-02522

dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

1) typical values / valeurs moyennes / typische Werte / Valori tipici / valores típicos

Avtronic® 1188 Series

Brass



ø			øB	D	L	øJ	F	Fasteners per pod Nombre de rivets par chargeur/ Niete pro Magazin/ Rivetti per carica-tore / Uds./carga	Part No.
nom.	min.	max.	max.	max.	max.	max.	lbf *(kN)*[1]	± 1	
2.8 mm	.110 *(2.80)*	.114 *(2.90)*	.163 *(4.14)*	.037 *(0.94)*	.204 *(5.18)*	.1078 *(2.74)*	15 *(0.067)*	52	01188-02806
					.267 *(6.78)*			41	01188-02808
					.329 *(8.36)*			33	01188-02810
					.392 *(9.96)*			28	01188-02812
					.454 *(11.53)*			24	01188-02814
					.517 *(13.13)*			21	01188-02816
					.579 *(14.71)*			19	01188-02818
					.642 *(16.31)*			17	01188-02820
					.704 *(17.88)*			16	01188-02822

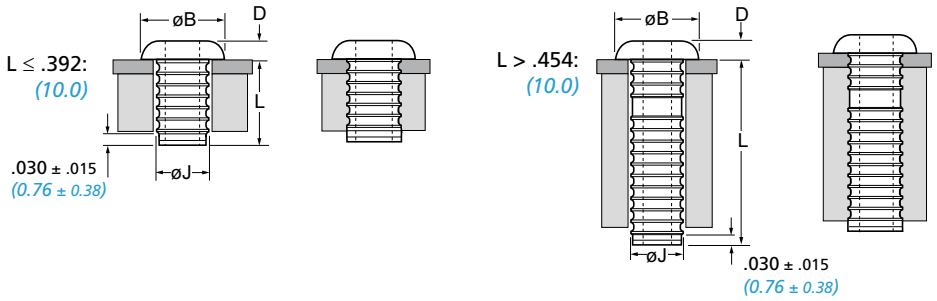
dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

1) typical values / valeurs moyennes / typische Werte / Valori tipici / valores típicos

Avtronic® 1189 Series
Aluminum

English	Français	Deutsch	Italiano	Español
Dome head	Tête plate	Flachrundkopf	Testa tonda	Cabeza alomada
Aluminum alloy* (5 % Mg) Natural	Alliage d'aluminium* (5% Mg) Brut	Aluminium* (5 % Mg) Blank	Lega di alluminio* (5% Mg) Nessuna finitura	Aluminio* (5% Mg) Natural

*: BS 1473 5056A DIN 1725 AlMg5 Werkstoff 3.3555

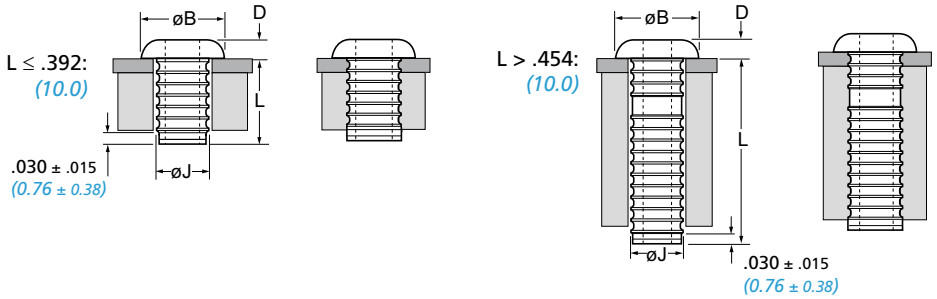


ø			øB	D	L	øJ	F	Fasteners per pod Nombre de rivets par chargeur/ Niete pro Magazin/ Rivetti per carica-tore / Uds./carga	Part No.
nom.	min.	max.	max.	max.	max.	max.	lbf *(kN)*[1]	± 1	
2.5 mm	.098 *(2.50)*	.102 *(2.60)*	.163 *(4.14)*	.037 *(0.94)*	.204 *(5.18)*	.0975 *(2.48)*	7 *(0.03)*	51	01189-02506
					.267 *(6.78)*			41	01189-02508
					.329 *(8.36)*			33	01189-02510
					.392 *(9.96)*			28	01189-02512
					.454 *(11.53)*			24	01189-02514
					.517 *(13.13)*			21	01189-02516
					.579 *(14.71)*			19	01189-02518
					.642 *(16.31)*			17	01189-02520
					.704 *(17.88)*			16	01189-02522

dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

1) typical values / valeurs moyennes / typische Werte / Valori tipici / valores típicos

Avtronic® 1189 Series
Aluminum



ø			øB	D	L	øJ	F	Fasteners per pod Nombre de rivets par chargeur/ Niete pro Magazin/ Rivetti per carica-tore / Uds./carga	Part No.
nom.	min.	max.	max.	max.	max.	max.	lbf *(kN)*[1]	± 1	
2.8 mm	.110 *(2.80)*	.114 *(2.90)*	.163 *(4.14)*	.037 *(0.94)*	.204 *(5.18)*	.1080 *(2.75)*	9 *(0.04)*	52	01189-02806
					.267 *(6.78)*			41	01189-02808
					.329 *(8.36)*			33	01189-02810
					.392 *(9.96)*			28	01189-02812
					.454 *(11.53)*			24	01189-02814
					.517 *(13.13)*			21	01189-02816
					.579 *(14.71)*			19	01189-02818
					.642 *(16.31)*			17	01189-02820
					.704 *(17.88)*			16	01189-02822

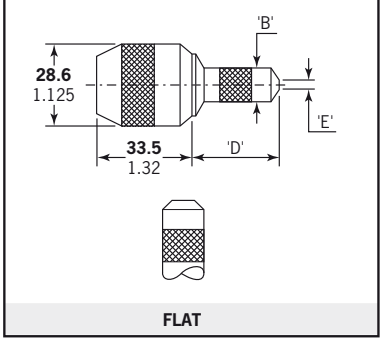
dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

1) typical values / valeurs moyennes / typische Werte / Valori tipici / valores típicos

Avtronic® Nose Equipment

Ensembles de nez / Mundstücke / Equipaggiamento / Equipos de colocación

STANDARD



FLAT

Applications with no or little access restrictions.

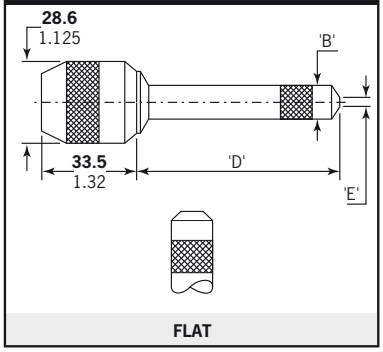
Pour applications ne présentant que peu ou pas de contraintes d'accès.

Für alle gut zugänglichen Nietpunkte.

Adatta per applicazioni senza restrizioni di accesso o con restrizioni di accesso limitate.

Apta para aquellas aplicaciones sin ninguna o pocas restricciones da acceso.

LONG



FLAT

Allows more penetration into applications.

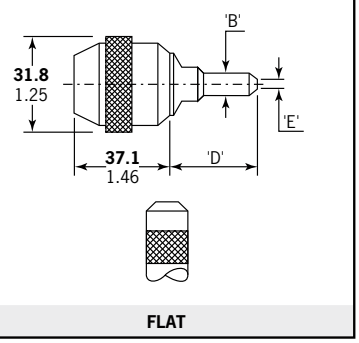
Permet une pénétration supérieure dans les applications sans autres contraintes d'accès.

Für tiefsitzende und eng an den Bauteilseiten anliegende Nietpunkte.

Consente una penetrazione maggiore nell'applicazione senza altre restrizioni di accesso.

Permite una mayor profundidad de acceso en aquellas aplicaciones sin restricción de acceso en anchura.

LIMITED ACCESS CAM OPERATED



FLAT

Allows access into very restrictive applications.

Permet d'accéder à des applications à accès très limité.

Für eng an den Bauteilseiten anliegende Nietpunkte.

Consente l'accesso ad applicazioni con serie restrizioni di accesso.

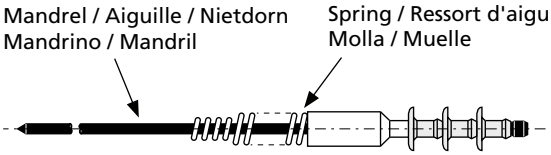
Permite el acceso en aplicaciones de acceso extremadamente limitado.

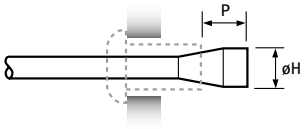
ø nom.	Nose Equipment Nez de pose Mundstück Testata Boquilla	Part No.	Dimensions Dimension / Abmessungen Dimensioni / Dimensiones B	D	E
2.5 mm	Standard	07150-03003	.36 *(9.14)*	1.30 *(33.02)*	.16 *(4.06)*
	Long	07150-04003	.41 *(10.41)*	2.30 *(58.42)*	
	Limited Access	07271-08000	.41 *(10.41)*	1.18 *(29.97)*	
2.8 mm	Standard	07271-05600	.36 *(9.14)*	1.30 *(33.02)*	
	Long	07271-05900	.41 *(10.41)*	2.30 *(58.42)*	
	Limited Access	07271-08100	.40 *(10.16)*	1.18 *(29.97)*	

dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

Avtronic® Mandrel & Spring Information

Aiguilles et Ressorts d'aiguille / Nietdorne und -federn / Mandrini e Molle / Mandriles y Muelles





ø nom.		Description Description Beschreibung Descrizione Descripción 1)	ø H	P max.	Standard Nose Equipment Nez de pose Standard Standard-Mundstück Testata Standard Boquilla Estándard		Long Nose Equipment Nez de pose Long Langes Mundstück Testata Lunga Boquilla Larga		Limited Access Equipment Nez d'accès limité Mundstück abgesetzt Testata Accesso limitato Boquilla Acceso limitado	
					Mandrel Part No.	Spring Part No.	Mandrel Part No.	Spring Part No.	Mandrel Part No.	Spring Part No.
2.5 mm	as rec.	Standard green	.070 *(1.78)*	.140 *(3.56)*	07170-06025	07150-06803	07170-07025	07150-07803	07170-06025	07150-06803
	+ .003 *(0.07)*	1. oversize yellow	.073 *(1.85)*		07170-06125		07170-07125		07170-06125	
	+ .006 *(0.15)*	2. oversize blue	.076 *(1.93)*		07170-06225		07170-07225		07170-06225	
2.8 mm	as rec.	Standard green	.079 *(2.01)*	.150 *(3.81)*	07170-06028	07170-06528	07170-07028	07170-07528	07170-06028	07170-06873
	+ .003 *(0.07)*	1. oversize yellow	.082 *(2.08)*		07170-06128		07170-07128		07170-06128	
	+ .006 *(0.15)*	2. oversize blue	.085 *(2.16)*		07170-06228		07170-07228		07170-06228	

dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

1) Standard green / Standard verte / Standard grün / Standard verde / Estándar verde
1. oversize yellow / 1. surdimensionée jaune / 1. Übermaß gelb / 1. maggiorazione giallo / 1. sobremedida amarillo
2. oversize blue / 2. surdimensionée bleue / 2. Übermaß blau / 2. maggiorazione blu / 2. sobremedida azul

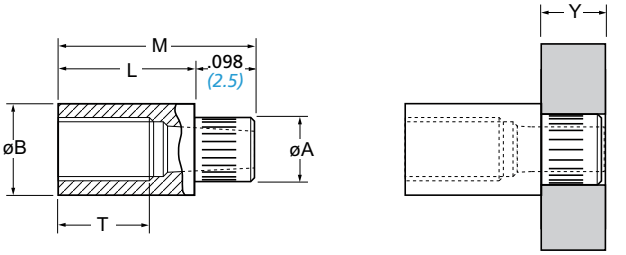
POP® Avdel®

Avsert® 1117 Series
Brass

English	Français	Deutsch	Italiano	Español
Short spigot	Pion court	Kurzer Schaft	Piedino corto	Espiga corta
Brass* Tin plated**	Laiton* Etamè**	Kupfer-Zink Legierung* verzinnt**	Ottone* Stagnato**	Latón* Estañado**

*: CuZn38Pb1.5 (ROHS conform)

**: ROHS conform; We recommend tin plated Avsert are installed within 24 months from the date they were produced.
Nous conseille d'utiliser les Avsert en laiton étamé sous un délai de 24 mois après la date de production.
Wir empfehlen, verzinnte Avsert innerhalb 24 Monaten nach Produktionsdatum zu verarbeiten.
Raccomandare di utilizzare i Avsert stagnati entro 24 mesi a decorrere dalla data di fabbricazione.
Recomendamos utilizar sus Avsert estañadas antes de 24 meses desde la fecha de su fabricación.



ø	Y				øB	L	øA	T	M		Fasteners per pod Nombre de rivets par chargeur/ Niete pro Magazin/ Rivetti per carica-tore / Uds./carga	Part No.
nom.	min.	max.	min.	max.	max.	± .004 *(0.1)*	max.	min.	± .008 *(0.2)*	lbf in *(Nm)* max.[1]	± 1	
M2.5 x 0.45	.032 *(0.8)*	.079 *(2.0)*	.106 *(2.70)*	.110 *(2.80)*	.159 *(4.05)*	.217 *(5.5)*	.106 *(2.69)*	.134 *(3.4)*	.315 *(8.0)*	7.52 *(0.85)*	36	01117-06555
						.236 *(6.0)*		.153 *(3.9)*	.334 *(8.5)*		34	01117-06560
						.276 *(7.0)*		.193 *(4.9)*	.374 *(9.5)*		30	01117-06570
						.315 *(8.0)*		.232 *(5.9)*	.413 *(10.5)*		27	01117-06580
						.354 *(9.0)*		.232 *(5.9)*	.458 *(11.5)*		25	01117-06590
M3 x 0.5	.032 *(0.8)*	.079 *(2.0)*	.130 *(3.30)*	.134 *(3.40)*	.190 *(4.83)*	.217 *(5.5)*	.129 *(3.28)*	.134 *(3.4)*	.315 *(8.0)*	12.21 *(1.38)*	36	01117-07055
						.236 *(6.0)*		.153 *(3.9)*	.334 *(8.5)*		34	01117-07060
						.276 *(7.0)*		.193 *(4.9)*	.374 *(9.5)*		30	01117-07070
						.315 *(8.0)*		.232 *(5.9)*	.413 *(10.5)*		27	01117-07080
						.354 *(9.0)*		.232 *(5.9)*	.458 *(11.5)*		25	01117-07090

dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

1) As tested in .059" *(1.5)* thick glass fibre reinforced board to specification NEMA-L11-1971 Type FR4.
Testé dans circuit imprimé fibre / époxy 15/10 selon NEMA-L11-1971 type FR4.
Getestet in .059" *(1.5)* starker glasfaserverstärkter Leiterplatte nach Spezifikation NEMA-L11-1971 Typ FR4.
Testato in un circuito rinforzato con fibra di vetro di .059" *(1.5)* come da specifica NEMA-L11-1971 tipo FR4.
Testado en una tarjeta reforzada con fibra de vidrio de .059" *(1.5)*.

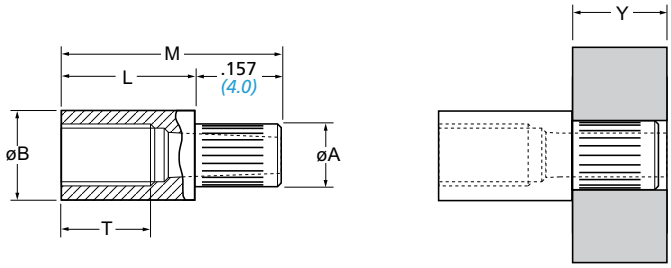
POP® Avdel®

Avsert® 1118 Series
Brass

English	Français	Deutsch	Italiano	Español
Long spigot	Pion long	Langer Schaft	Piedino lungo	Espiga larga
Brass* Tin plated**	Laiton* Etamè**	Kupfer-Zink Legierung* verzinnt**	Ottone* Stagnato**	Latón* Estañado**

*: CuZn38Pb1.5 (ROHS conform)

**: ROHS conform; We recommend tin plated Avsert are installed within 24 months from the date they were produced.
Nous conseille d'utiliser les Avsert en laiton étamé sous un délai de 24 mois après la date de production.
Wir empfehlen, verzinnte Avsert innerhalb 24 Monaten nach Produktionsdatum zu verarbeiten.
Raccomandare di utilizzare i Avsert stagnati entro 24 mesi a decorrere dalla data di fabbricazione.
Recomendamos utilizar sus Avsert estañadas antes de 24 meses desde la fecha de su fabricación.



ø	Y				øB	L	øA	T	M		Fasteners per pod Nombre de rivets par chargeur/ Niete pro Magazin/ Rivetti per carica-tore / Uds./carga	Part No.
nom.	min.	max.	min.	max.	max.	± .004 (0.1)	max.	min.	± .008 (0.2)	lbf in (Nm) max.[1]	± 1	
M2.5 x 0.45	.032 (0.8)	.095 (2.4)	.106 (2.70)	.110 (2.80)	.159 (4.05)	.217 (5.5)	.106 (2.69)	.134 (3.4)	(0.2)	8.50 (0.96)	30	01118-06555
						.236 (6.0)		.153 (3.9)	.393 (10.0)		29	01118-06560
						.276 (7.0)		.193 (4.9)	.433 (11.0)		26	01118-06570
						.315 (8.0)		.232 (5.9)	.472 (12.0)		24	01118-06580
						.354 (9.0)		.232 (5.9)	.512 (13.0)		22	01118-06590
M3 x 0.5	.032 (0.8)	.095 (2.4)	.130 (3.30)	.134 (3.40)	.190 (4.83)	.217 (5.5)	.129 (3.28)	.134 (3.4)	.374 (9.5)	13.45 (1.52)	30	01118-07055
						.236 (6.0)		.153 (3.9)	.393 (10.0)		29	01118-07060
						.276 (7.0)		.193 (4.9)	.433 (11.0)		26	01118-07070
						.315 (8.0)		.232 (5.9)	.472 (12.0)		24	01118-07080
						.354 (9.0)		.232 (5.9)	.512 (13.0)		22	01118-07090

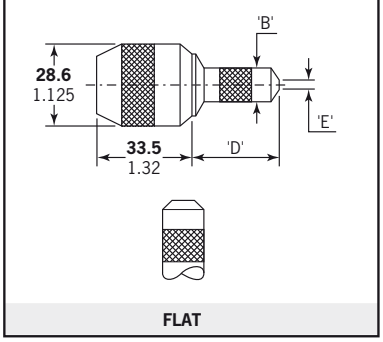
dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

1) As tested in .059" *(1.5)* thick glass fibre reinforced board to specification NEMA-L11-1971 Type FR4.
Testé dans circuit imprimé fibre / époxy 15/10 selon NEMA-L11-1971 type FR4.
Getestet in .059" *(1.5)* starker glasfaserverstärkter Leiterplatte nach Spezifikation NEMA-L11-1971 Typ FR4.
Testato in un circuito rinforzato con fibra di vetro di .059" *(1.5)* come da specifica NEMA-L11-1971 tipo FR4.
Testado en una tarjeta reforzada con fibra de vidrio de .059" *(1.5)*.

Avsert® Nose Equipment

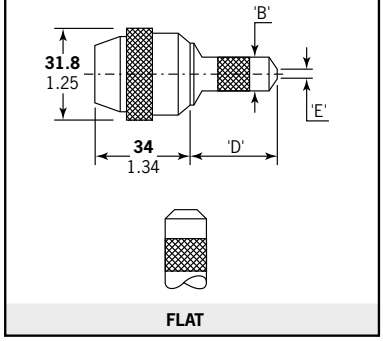
Ensembles de nez / Mundstücke / Equipaggiamento / Equipos de colocación

STANDARD



Applications with no or little access restrictions.
Pour applications ne présentant que peu ou pas de contraintes d'accès.
Für alle gut zugänglichen Nietpunkte.
Adatta per applicazioni senza restrizioni di accesso o con restrizioni di accesso limitate.
Apta para aquellas aplicaciones sin ninguna o pocas restricciones da acceso.

STANDARD CAM OPERATED



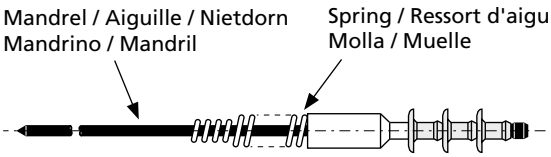
Nose equipment with addition of a twist cam to ease and speed up the nose jaw opening thus the pod reloading procedure.
Ensembles de nez avec, en plus, une came facilitant et accélérant l'ouverture du nez de pose, et donc le rechargement en fixations.
Zum leichteren Magazinieren haben diese Mundstücke durch einen Drehring zu öffnende Mundstückschnäbel.
Equipaggiamento con l'aggiunta di una camma per facilitare e rendere più veloce l'apertura della testata e pertanto la procedura di ricarica dell'astuccio portarivetti.
Boquillas que incorporan una leva para facilitar y hacer más rápida la apertura de la boquilla y el procedimiento de carga.

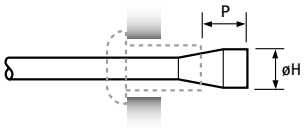
ø nom.	Nose Equipment Nez de pose Mundstück Testata Boquilla	Part No.	Dimensions Dimension / Abmessungen Dimensioni / Dimensiones B	D	E
M2.5 x 0.45	Standard	07150-03003	.36 *(9.14)*	1.30 *(33.02)*	.16 *(4.06)*
M3 x 0.5	Standard	07150-03004	.41 *(10.41)*	1.18 *(29.97)*	.20 *(5.08)*
	Standard cam operated	07170-04600			

dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

Avsert® Mandrel & Spring Information

Aiguilles et Ressorts d'aiguille / Nietdorne und -federn / Mandrini e Molle / Mandriles y Muelles





ø nom.	Description Description / Beschreibung Descrizione / Descripción	ø H	P max.	Mandrel Part No.	Spring Part No.
M2.5 x 0.45	Standard green	.0725 *(1.84)*	.145 *(3.68)*	07150-06003	07150-06803
M3 x 0.5	Standard green	.088 *(2.24)*	.185 *(4.70)*	07150-06004	07150-06804

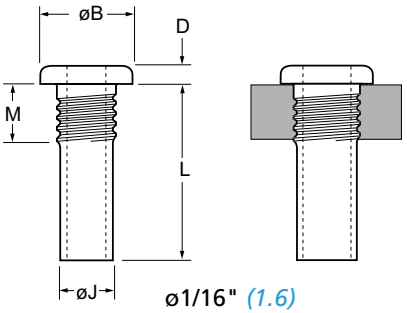
dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

Avlug® 1107 Series
Brass

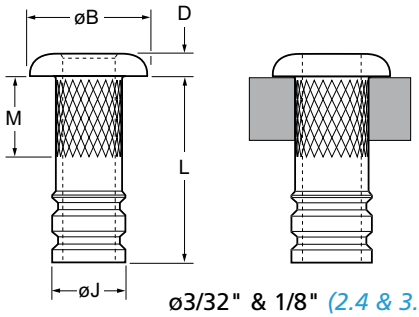
English	Français	Deutsch	Italiano	Español
Dome head	Tête plate	Flachrundkopf	Testa tonda	Cabeza alomada
Brass* Tin plated**	Laiton* Etamé**	Kupfer-Zink Legierung* verzinnt**	Ottone* Stagnato**	Latón* Estañado**

*: BS EN 12166 CW 508L DIN 17660 CuZn37

**: We recommend tin plated parts 1107 Series are installed within 9 months from the date they were produced.
Nous conseillons d'utiliser les pièces en laiton étamé du série 1107 sous un délai de 9 mois après la date de production.
Wir empfehlen, verzinnte Niete der Serie 1107 innerhalb 9 Monaten nach Produktionsdatum zu verarbeiten.
Raccomandare di utilizzare i prodotti stagnati serie 1107 entro 9 mesi a decorrere dalla data di fabbricazione.
Recomendamos utilizar sus piezas estañadas serie 1107 antes de 9 meses desde la fecha de su fabricación.



ø1/16" *(1.6)*



ø3/32" & 1/8" *(2.4 & 3.2)*

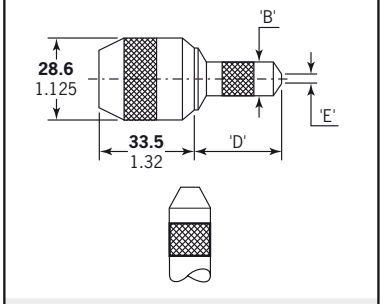
ø			øB	D	L	øJ	M	No. of grooves cannelures Rillen rigature aros	Fasteners per pod Nombre de rivets par chargeur / Niete pro Magazin / Rivetti per caricatore / Uds./carga	Part No.
nom.	min.	max.	max.	max.	max.	max.	max.		± 1	
1/16" *(1.6)*	.071 *(1.80)*	.076 *(1.93)*	.110 *(2.80)*	.024 *(0.61)*	.162 *(4.11)*	.0703 *(1.79)*	.080 *(2.04)*	4	62	01107-00205
					.256 *(6.51)*				42	01107-00208
3/32" *(2.4)*	.103 *(2.62)*	.108 *(2.74)*	.163 *(4.15)*	.037 *(0.94)*	.329 *(8.36)*	.1023 *(2.60)*	.135 *(3.43)*	2	33	01107-00310
					.392 *(9.96)*			3	28	01107-00312
1/8" *(3.2)*	.133 *(3.38)*	.138 *(3.51)*	.217 *(5.52)*	.045 *(1.15)*	.392 *(9.96)*	.1323 *(3.36)*	.135 *(3.43)*	3	26	01107-00412

dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

Avlug® Nose Equipment

Ensembles de nez / Mundstücke / Equipaggiamento / Equipos de colocación

STANDARD



TAPERED

Applications with no or little access restrictions.

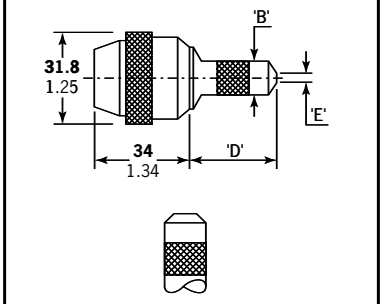
Pour applications ne présentant que peu ou pas de contraintes d'accès.

Für alle gut zugänglichen Nietpunkte.

Adatta per applicazioni senza restrizioni di accesso o con restrizioni di accesso limitate.

Apta para aquellas aplicaciones sin ninguna o pocas restricciones da acceso.

STANDARD CAM OPERATED



FLAT

Nose equipment with addition of a twist cam to ease and speed up the nose jaw opening thus the pod reloading procedure.

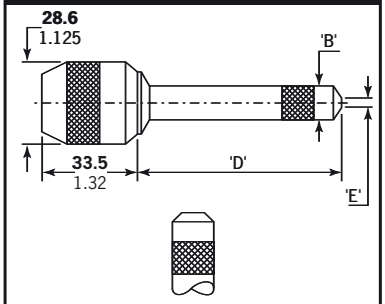
Ensembles de nez avec, en plus, une came facilitant et accélérant l'ouverture du nez de pose, et donc le rechargement en fixations.

Zum leichteren Magazinieren haben diese Mundstücke durch einen Drehring zu öffnende Mundstückschnäbel.

Equipaggiamento con l'aggiunta di una camma per facilitare e rendere più veloce l'apertura della testata e pertanto la procedura di ricarica dell'astuccio portarivetti.

Boquillas que incorporan una leva para facilitar y hacer más rápida la apertura de la boquilla y el procedimiento de carga.

LONG



FLAT

Allows more penetration into applications.

Permet une pénétration supérieure dans les applications sans autres contraintes d'accès.

Für tiefsitzende und eng an den Bauteilseiten anliegende Nietpunkte.

Consente una penetrazione maggiore nell'applicazione senza altre restrizioni di accesso.

Permite una mayor profundidad de acceso en aquellas aplicaciones sin restricción de acceso en anchura.

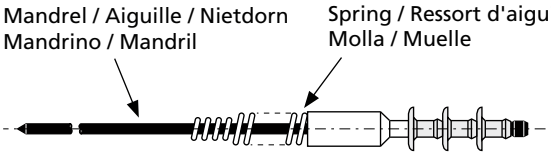
ø nom.	Nose Equipment Nez de pose Mundstück Testata Boquilla	Part No.	Dimensions Dimension / Abmessungen Dimensioni / Dimensiones B	D	E
1/16" [1] *(1.6)[1]*	Standard	07154-03102	.215 *(5.46)*	1.06 *(25.40)*	.105 *(2.67)*
3/32" *(2.4)*	Standard	07150-03003	.360 *(9.14)*	1.30 *(33.02)*	.160 *(4.06)*
	Standard cam operated	07170-04500			
	Standard tapered	07150-03103			
	Long	07150-04003	.410 *(10.41)*	2.30 *(58.4)*	
1/8" *(3.2)*	Standard	07150-03004	.410 *(10.41)*	1.18 *(29.97)*	.200 *(5.08)*
	Standard cam operated	07170-04600			
	Standard tapered	07170-03104		1.19 *(30.23)*	
	Long	07150-04004		2.18 *(55.4)*	

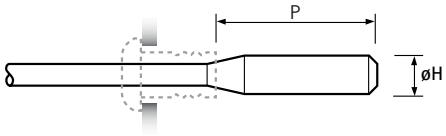
dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

1) Installation only with handtool type 7536 / Outil de pose model 7536 seulement / Verarbeitung nur mit Druckluftgerät Typ 7536 Piazzamento solo can attrezzo modello 7536 / Colocación solo con máquina modelo 7536

Avlug® Mandrel & Spring Information

Aiguilles et Ressorts d'aiguille / Nietdorne und -federn / Mandrini e Molle / Mandriles y Muelles





ø nom.		Description Description Beschreibung Descrizione Descripción 2)	ø H	P max.	Standard Nose Equipment Nez de pose Standard Standard-Mundstück Testata Standard Boquilla Estándard		Long Nose Equipment Nez de pose Long Langes Mundstück Testata Lunga Boquilla Larga	
					Mandrel Part No.	Spring Part No.	Mandrel Part No.	Spring Part No.
1/16" 1) *(1.6)* 1)	as rec.	Standard green	.051 *(1.30)*	.354 *(9.01)*	07154-06602	07154-06802	N/A	N/A
	+ .005 *(0.10)*	1. oversize yellow	.056 *(1.43)*	.380 *(9.67)*	07155-06702			
3/32" *(2.4)*	as rec.	Standard green	.076 *(1.93)*	.353 *(8.97)*	07150-06603	07150-06803	07150-07603	07150-07803
	+ .005 *(0.10)*	1. oversize yellow	.081 *(2.06)*	.478 *(12.14)*	07150-06703		07150-07703	
1/8" *(3.2)*	as rec.	Standard green	.098 *(2.49)*	.593 *(15.06)*	07150-06604	07150-06804	07150-07604	07150-07804

dimensions in inch and *(mm)* / en pouces et *(millimètre)* / alle Maße in Zoll und *(mm)* / in pollici e *(millimetri)* / en pulgadas y *(milímetros)*

1) Installation only with handtool type 7536 / Outil de pose model 7536 seulement / Verarbeitung nur mit Druckluftgerät Typ 7536 Piazzamento solo con attrezzo modello 7536 / Colocación solo con máquina modelo 7536

2) Standard green / Standard verte / Standard grün / Standard verde / Estándar verde
1. oversize yellow / 1. surdimensionée jaune / 1. Übermaß gelb / 1. maggiorazione giallo / 1. sobremedida amarillo

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