

Avtainer[®]

High strength, steel fastener and shell designed for joining composite panels to metal.

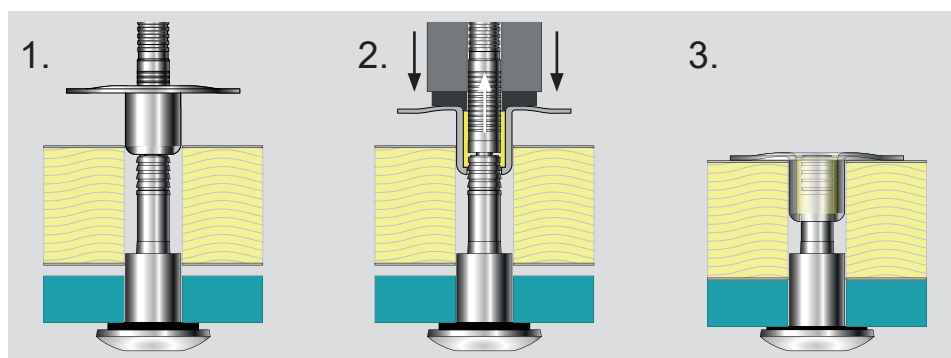


Key features and benefits

- Prevents cracking and pull through of composite materials
- Ideal for the assembly of GRP vehicle panels
- High shear strength for high strength assembly
- Underhead Santoprene[®] seal for a water/air tight joint
- Internally locked stem provides a secure, vibration resistant joint
- Low profile head and shell give a neat appearance
- Smaller shell size available for use against metal surfaces
- Optional encapsulated heads to match the surrounding colour
- Quick to install with Genesis[®] power tools
- Easy to inspect for tampering
- High security tamper resistance - TIR approved

Specifications Typical placing sequence

Sizes:
10.0 mm (3/8")
Material:
Steel
Head Style:
Low profile
Option:
Encapsulated heads



Please visit our website for fastener placing animations.

Assembly applications

- Commercial vehicles
- Container



Installation Tools

Tool Selection Guide

This table is designed as a guide to help you select the most suitable tool for your particular lockbolt.

Please note that all tools require fastener specific nose assemblies.

Full technical data can also be found on our website or contact your STANLEY Engineered Fastening representative.

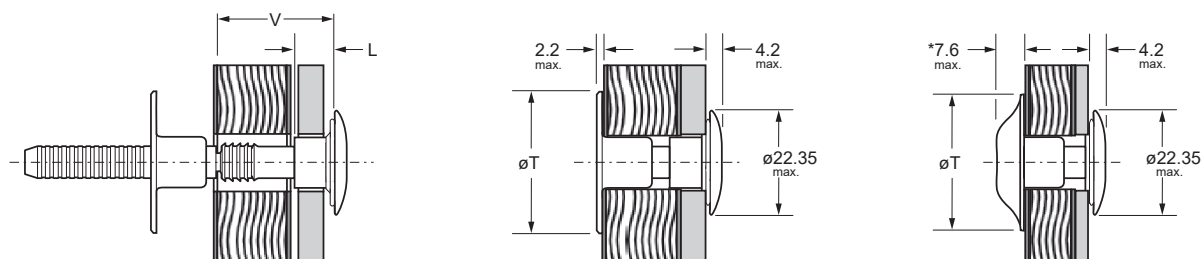
| Fastener Type | Size | Installation Tool | | | | | | | |
|---------------|------------------|--------------------|----------------|-------|------|---------|---------|---------|---------|
| | | Genesis® nG3 LB | ProSet® XT4 | 73200 | 7287 | AV™ 10* | AV™ 15* | AV™ 30* | AV™ 50* |
| NeoBolt® | 4.8 mm (3/16") | • | | | | | | | |
| | 6.4 mm (1/4") | • | | | | | | | |
| | 8.0 mm (5/16") | | | • | | | | | |
| | 9.6 mm (3/8") | | | | • | | | | |
| | 12.7 mm (1/2") | | | | | | • | | |
| | 16.0 mm (5/8") | | | | | | | • | |
| | 19.1 mm (3/4") | | | | | | | • | |
| | 25.4 mm (1") | | | | | | | | • |
| Avdelok® | 4.8 mm (3/16") | | • | • | • | | | | |
| | 6.4 mm (1/4") | | • | • | • | | | | |
| | 8.0 mm (5/16") | | | • | • | | | | |
| | 9.6 mm (3/8") | | | • | • | • | | | |
| Avdelok® XT | 12.7 mm (1/2") | | | | | | • | • | |
| | 16.0 mm (5/8") | | | | | | | • | |
| | 19.1 mm (3/4") | | | | | | | • | |
| | 22.2 mm (7/8") | | | | | | | | • |
| | 25.4 mm (1") | | | | | | | | • |
| | 28.6 mm (1-1/8") | | | | | | | | • |
| Maxlok® | 4.8 mm (3/16") | | • | • | • | | | | |
| | 6.4 mm (1/4") | | • | • | • | | | | |
| Avtainer® | 10.0 mm (3/8") | | • | • | • | | | | |
| Avbolt® | 4.8 mm (3/16") | | | • | • | | | | |
| | 6.4 mm (1/4") | | | • | • | | | | |
| | 8.0 mm (5/16") | | | • | • | • | | | |
| | 10.0 mm (3/8") | | | | | • | | | |
| | 12.7 mm (1/2") | | | | | | • | • | |
| | 16.0 mm (5/8") | | | | | | | • | |

*All AV™ Series tools require Enerpac® Power Unit for operation.



| English | Français | Deutsch | Italiano | Español |
|------------------------------|--------------------------------------|-------------------------------------|---|------------------------------------|
| Low profile head | Profil bas | Flachkopf | Bassoprofilo | Perfil bajo |
| Pin: Low carbon steel* | Tige: Acier* | Bolzen: Stahl* | Bullone: Acciaio a carbonio* | Vástago: Acero al carbono* |
| Zinc plated JS500coated | Revêtement zingué Finition JS500 | Verzinkt JS500Beschichtung | Zincato Protezione JS500 | Zincado Pasivado JS500 |
| Shell: Low carbon steel** | Bague: Acier bas carbone** | Hülse: Stahl** | Collare: Acciaio a basso tenore di carbonio** | Collar: Acero bajo en carbono** |
| Zinc plated Clear passivated | Revêtement zingué Passivation claire | Verzinkt Klar chromatiert, Cr6-frei | Zincato Passivazione chiara | Zincado Pasivado claro |
| Locking slug: Nylon | Manchon: Nylon | Sicherungsbuchse: Nylon | Tubolare: Nylon | Junta de bloqueo: Nailon |
| Seal: Santoprene® | Joint: Santoprene® | Dichtscheibe: Santoprene® | Guarnizione: Santoprene® | Junta de estanqueidad: Santoprene® |

*: BS3111 Type 0 DIN 1654 Qst 34-3 **: BS1449 CS1 SAE 1008 DIN 1614 StW 24 / DIN 1624 St4



*02310-11860 only /
seulement/nur/solo/solo

| ø nom. | e | | V nom. | L nom. | kN ¹⁾ | kN ¹⁾ | | Part No/ref Pin | Collar / Bague / Hülse / Collare / Collar | | | | | |
|----------------|-------|-------|-----------|-----------|------------------|------------------|--------|---------------------------|---|--------------|------|---------------------------|------|---------------------------|
| | min. | max. | | | | e min. | e max. | | øT | Part No/ref. | | | | |
| 10.0 (3/8") | 5.60 | 7.20 | 11.1 | - | 2.22 | 6.60 | 4.44 | 02311-01207 ²⁾ | 30.5 | 02310-11860 | | | | |
| | 11.13 | 14.30 | 12.7 | - | | | | 02311-01208 ²⁾ | | | | | | |
| | 12.70 | 15.87 | 14.3 | - | | | | 02311-01209 ²⁾ | | | | | | |
| | 14.27 | 17.45 | 15.9 | - | | | | 02311-01210 ²⁾ | | | | | | |
| | 15.87 | 19.05 | 17.5 | 4.6 | | | | 02311-01211 | | | | | | |
| | 17.45 | 20.62 | 19.0 | 6.1 | | | | 02311-01212 | | | | | | |
| | 19.05 | 22.22 | 20.6 | 7.9 | | | | 02311-01213 | | | | | | |
| | 20.62 | 23.80 | 22.2 | 9.4 | | | | 02311-01214 | | | | | | |
| | 22.22 | 25.40 | 23.8 | 10.9 | | | | 02311-01215 | | | 32.0 | 02321-01200 ³⁾ | | |
| | 23.80 | 26.97 | 25.4 | 12.5 | | | | 02311-01216 | | | | | 22.9 | 02325-01200 ⁴⁾ |
| | 25.40 | 28.57 | 27.0 | 14.2 | | | | 02311-01217 | | | | | | |
| | 26.97 | 30.15 | 28.6 | 14.2 | | | | 02311-01218 | | | | | | |
| | 28.57 | 31.75 | 30.2 | 14.2 | | | | 02311-01219 | | | | | | |
| | 30.15 | 33.32 | 31.7 | 14.2 | | | | 02311-01220 | | | | | | |
| | 31.75 | 34.92 | 33.3 | 14.2 | | | | 02311-01221 | | | | | | |
| | 33.32 | 36.50 | 34.9 | 14.2 | | | | 02311-01222 | | | | | | |
| | 34.93 | 38.10 | 36.5 | 14.2 | | | | 02311-01223 | | | | | | |
| | 36.50 | 39.67 | 38.1 | 14.2 | | | | 02311-01224 | | | | | | |

all dimensions in mm / en millimètre / alle Maße in mm / in millimetri / en milímetros

1) - 5) see next page / voir la page suivant / siehe nächste Seite / vedi pagina successiva/ver la página siguiente

- 1) typical values / valeurs moyennes / typische Werte / Valori tipici / valores típicos
- 2) Part numbers -01207, -01208, -01209 & -01210 do not have shouldered pins. / Les références -01207, -01208, -01209 & -01210 ne possèdent pas d'épaulement. / Artikel-Nr. -01207, -01208, -01209 & -01210 haben keine Stufe im Bolzenschaft / Codici prodotto -01207, -01208, -01209 & -01210 non hanno lo spallamento. / Las referencias -01207, -01208, -01209 & -01210 no tienen el cuerpo escalonado.
- 3) 02321-01200: The larger shell assembly is for use against softer material, spreading the bearing load. / La bague standard 02321-01200 est à utiliser sur des matériaux tendres, pour une meilleure répartition des efforts. / Die größere Hülse ist für den Einsatz gegen weichere Materialien ausgelegt, die auftretende Kraft wird verteilt. / Collare di grande diametro per materiali teneri. / Collar de diámetro mayor para materiales blandos.
- 4) 02325-01200: The smaller shell assembly should only be used against metal surfaces. / La bague à diamètre réduit ne peut être utilisée qu'en appui sur un support métallique. / Die kleinere Hülse darf nur auf Metalloberflächen eingesetzt werden. / Collare di piccolo diametro per superfici metalliche. / Collar de diámetro menor para superficies metálicas.
- 5) Where shells are used against metal surfaces, the hole through the metal should be 15 mm diameter or chamfered 2.5 mm x 45° / Lorsque la bague prend appui sur un support métallique, percer à 15 mm de Ø ou chanfreiner l'entrée du trou à 45° x 2.5 / Bei Auflage der Hülse auf Metall ist im Metall eine 2,5 x 45°-Senkung oder ein Bohrungsdurchmesser von 15 mm erforderlich. / Quando i guschi sono usati su parti metalliche, il foro nella lamiera dovrebbe avere un diametro di 15mm o deve presentare una svasatura di 2,5mm a 45°. / Cuando el collar se utiliza sobre superficies metálicas, el barrenado en la pieza metálica debe ser de 15 mm o tener un avellanado de entrada de 2,5x45°.

POP® & Avdel® have been producing assembly systems since the 1930s and offer comprehensive ranges of innovative fasteners and installation systems to all market segments and applications. STANLEY Engineered Fastening offers POP Avdel products through Sales, Distribution and Manufacturing facilities in over 150 countries. Covered by the portfolio are:



Breakstem Riveting Systems

Various features from multi-grip capability to high strength stainless steel rivets.



Lockbolt Systems

High clamp force and vibration resistance for the highest strength joints.



Speed Fastening® Systems

Extra fast and reliable fastening from one side. Rivets are fed automatically.



Sealing Plugs

Engineered for both low-pressure and high-pressure hole sealing applications.



Blind Rivet Nuts

Fast system for sustainable threads with high torque-to-turn.



Customised Fastener Designs

Bespoke designs and finishes to meet your unique assembly requirements.



Installation Equipment

From manually operated power tools to customised semi and fully automated assembly workstations and repair tools.

We can also provide you with:



MASTERFIX

One-stop shopping for the blind riveting distributor market. MasterFix® owes its excellent reputation to the successful distribution of the broadest range of blind rivets and blind rivet nuts in the business.



 **CRIBMASTER**

CribMaster® is the global leader in inventory & asset management solutions for industrial environments.



 **Spiralock®**

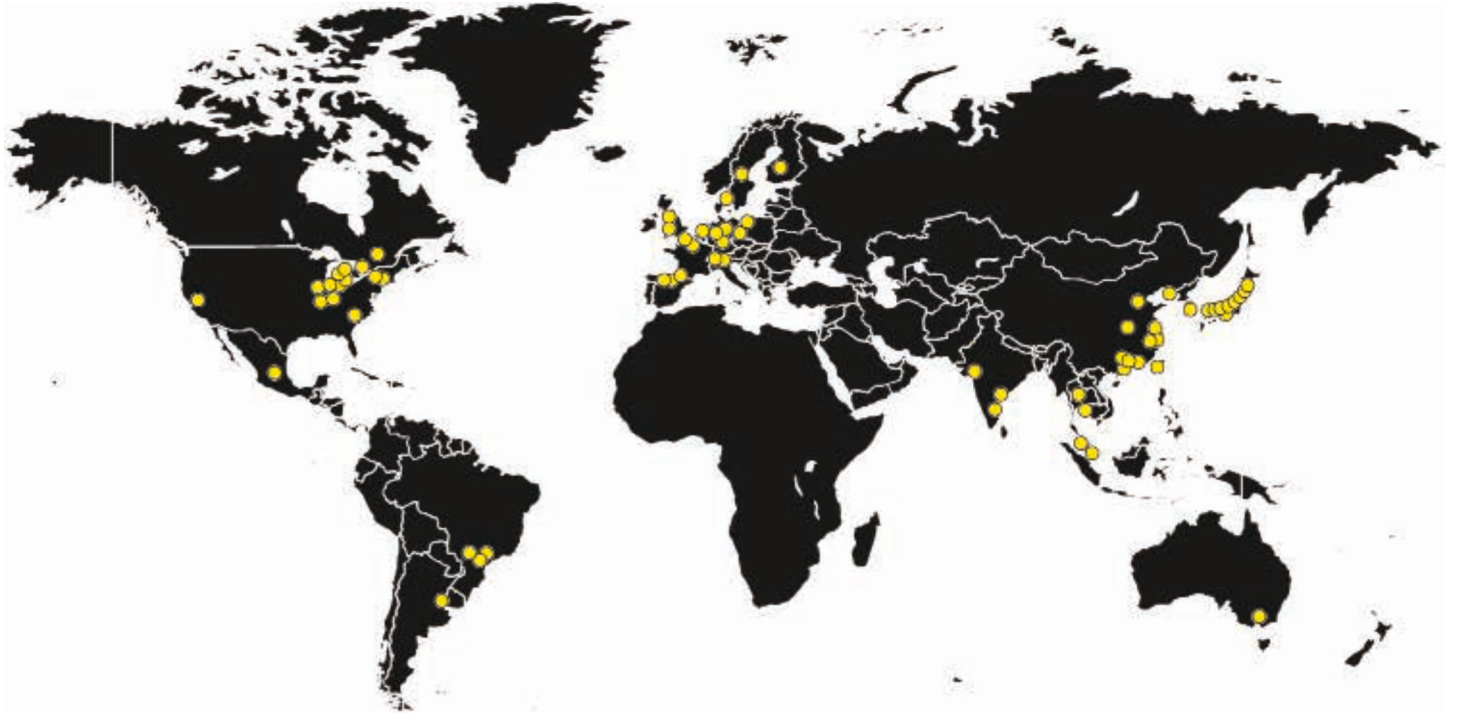
Spiralock® is a technologically superior fastening system ideally suited for threaded joint applications subjected to heavy shock and vibration.



CribMaster's comprehensive portfolio of vending machines & tool control solutions driven by a powerful software platform helps customers save 25% - 40% of costs associated with indirect material management, essential in the unrelenting drive towards efficiency & lower costs at manufacturing facilities today.

STANLEY®

Engineered Fastening



STANLEY Engineered Fastening, a Stanley Black & Decker Inc. Company has been revolutionizing fastening and assembly technologies for a variety of industries for more than 40 years.

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