

Avdel® Fasteners for Heavy Engineering Applications

Avbolt® Structural Blind Fastener & Infalok® Large Diameter Lockbolt

Avdel® fastening systems are designed for high strength, secure assembly. Quick and simple to place, durable and long lasting, they are the ideal solution where spot welding is not practical or possible and other methods like bolts and nuts are costly, time consuming or not feasible. Avdel® systems have been widely used for many years in demanding engineering applications throughout the world.

Especially in industries requiring load bearing joints like construction / building / mining and others they provide the following benefits:

- **Exceptional shear and tensile strength**
Providing consistent high performance required in load-bearing, structural applications
- **Consistent high clamp**
Elimination of loosening due to variations in temperature, no need for periodic tightening
- **Elimination of torque issues**
The fasteners are mechanically locked, eliminating possible over/under torquing causing stripping or loose joints
- **Vibration resistant**
- **Tamper-proof joints**
- **Simple to install**
No need for special operator skills
- **High speed assembly with robust tools**
Designed for use in demanding engineering environments, these tools have a record of reliability and ruggedness able to provide accurate and secure installation within seconds.

Assembly Applications in Heavy-duty Industries



Cement mills - liner plates attached to the drum



Assembly of lattice towers



Bridge building and repair



Steel constructions



Security fences



Heavy equipment



Assembly of thermosolar plants



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Avbolt® Structural Blind Fastener

Structural blind fastener offering high tensile and shear strength normally only possible with non blind lockbolts.

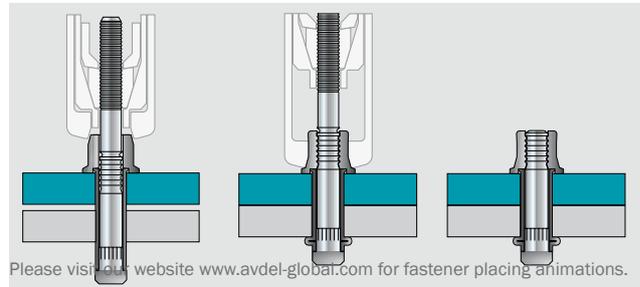
- High tensile and shear strength
- High grip capability suits a wide variety of material thicknesses
- Ideal for areas with restricted access

Sizes: 3/16" to 5/8" (4.8 to 16 mm)

Grip range: up to 1.626" *

Performance: Shear up to 29000 lbf*
Tension up to 20500 lbf*

Material: Steel



Infalok® Large Diameter Lockbolts

High strength, vibration resistant lockbolts with high, controlled clamp.

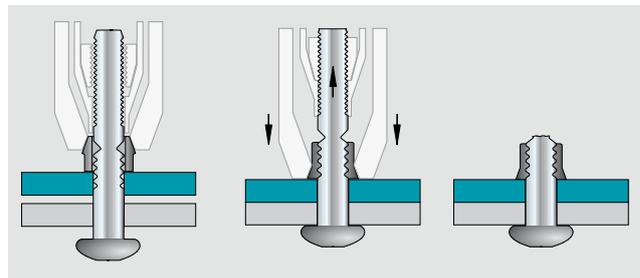
- Access required from both sides of the application
- Wide choice of materials, sizes, headforms and collar options to suit a wide variety of applications
- High, controlled clamp provides excellent vibration resistance
- Quick to install
- Easy to inspect for tampering

Sizes: 1/2" to 1-1/8" (12.7 to 28.6 mm)

Grip range: up to 6.000" *

Performance: Shear up to 69,500 lbf*
Tension up to 82,950 lbf*

Material: Steel



*depending on fastener dimension

Installation Tools

Avdel offers a range of tooling for fast and secure installation of Avbolt® and Infalok® fasteners.



75200 model
for Avbolt® 3/16" to 5/16"



for Avbolt® 5/16" - 5/8"
and all Infalok® lockbolts

More information

For detailed information and technical data of our fasteners and installation tools please visit our website www.avdel-global.com or contact your local Avdel representative.