

For many years Monobolt fasteners have delivered excellent performance in applications that require structural strength and vibration resistance in a multi-grip blind breakstem fastener. This successful range has now been extended through the addition of a 316 Grade / A4 stainless steel Monobolt suitable for applications in marine and hostile environments where 304 Grade / A2 stainless steel Monobolt may not be the most suitable solution.

Monobolt in 316/A4 is available in \varnothing 3/16" (4.8 mm) for a grip range of .064 - .437" (1.63 - 11.1 mm) and \varnothing 1/4" (6.4 mm) for a grip range of .080 - .625" (2.03 - 15.87 mm) - refer page 2 for technical data.



Why 316 Grade / A4 Stainless Steel?

316 Grade has a higher nickel content than other alloys and contains molybdenum. The molybdenum allows the material to deliver enhanced corrosion resistance particularly to pitting and crevice corrosion. Additionally this alloy lends itself to both forming and welding without excessive cracking. For this reason, it is particularly good for assemblies in marine and hostile environments.

Features and Benefits

Exceptional shear strength and clamp load

Designed to deliver the high strength performance required in structural applications, it is the strongest breakstem fastener in its class.



Stem mechanically locked into body

A mechanically locked stem provides high strength, vibration resistant joints in demanding applications without the risk of rattling or loose stems. The external visible lock also permits easy visual inspection to ensure correct installation.

Excellent hole fill

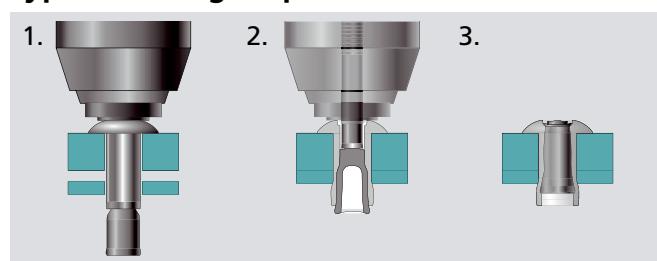
The radially expanded body is capable of filling irregular, oversized, slotted or misaligned holes, whilst providing strong, vibration resistant joints. It can also help control sheet movement in non-standard holes.

Wide grip range

By accommodating wide variations in material thickness, Monobolt fasteners can be used in a variety of applications to reduce assembly time, inventory levels and costs.



Typical Placing Sequence



Please visit our website for fastener placing animations

Installation Tools

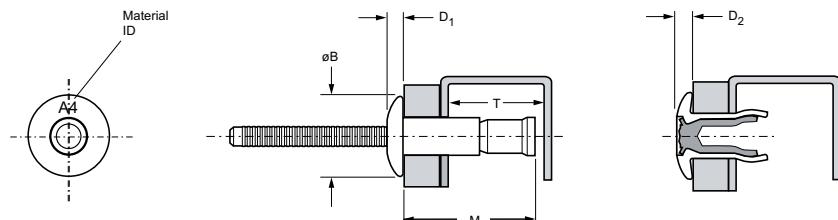
Monobolt \varnothing 3/16" (4.8 mm) can be placed using the Genesis® nG2, nG2-S and nG3 tools, Monobolt \varnothing 1/4" (6.4 mm) can be placed using the Genesis nG3 tools.

For detailed information on placing capability and nose equipment please refer to the tool manuals or contact your local representative.

Technical Data

Headform:
Protruding head

Material:
316 Grade / A4 Stainless steel,
natural finish



ø nom.	Head height		Head profile		M max.	ø B max.	D ₁ max.	T min.	D ₂ max.	Shear (typical)	Tension (typical)	Part No.
	min.	max.	min.	max.								
4.8 (3/16")	.064 (1.63)	.270 (6.86)	.193 (4.9)	.201 (5.1)	.716 (18.2)	.395 (10.1)	.083 (2.1)	.410 (10.5)	.073 (1.9)	1450 lbf 6.45 kN	1150 lbf 5.11 kN	02717-00613
	.064 (1.63)	.437 (11.10)			.962 (24.5)			.530 (13.5)		02717-00617		
6.4 (1/4")	.080 (2.03)	.375 (9.53)	.260 (6.6)	.276 (7.0)	.933 (23.7)	.525 (13.4)	.114 (2.9)	.480 (12.2)	.104 (2.7)	2968 lbf 13.20 kN	2350 lbf 10.45 kN	02717-00817
	.080 (2.03)	.625 (15.87)			1.296 (33.0)			.645 (16.4)		02717-00824		

Dimensions in inches and (mm)

Assembly Applications

- Marine applications
- Boat fittings
- Hangars
- Food industry
- Solar plants
- Mining / Drilling
- Off-shore equipment
- Laboratory equipment
- Cable cars
- Medical equipment



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Data shown is subject to change without prior notice as a result of continuous product development and improvement policy.

Your local STANLEY Engineered Fastening representative is at your disposal should you need to confirm latest information.

Avdel USA LLC
614 NC Highway 200 South
Stanfield, North Carolina 28163
Tel. +1 704 888-7100 · Fax -0258
infoAvdel-USA@sbdinc.com

Avdel Canada Limited
1030 Lorimar Drive
Mississauga, Ontario L5S 1R8
Tel. +1 905 364-0664 · Fax -0678
infoAvdel-Canada@sbdinc.com