

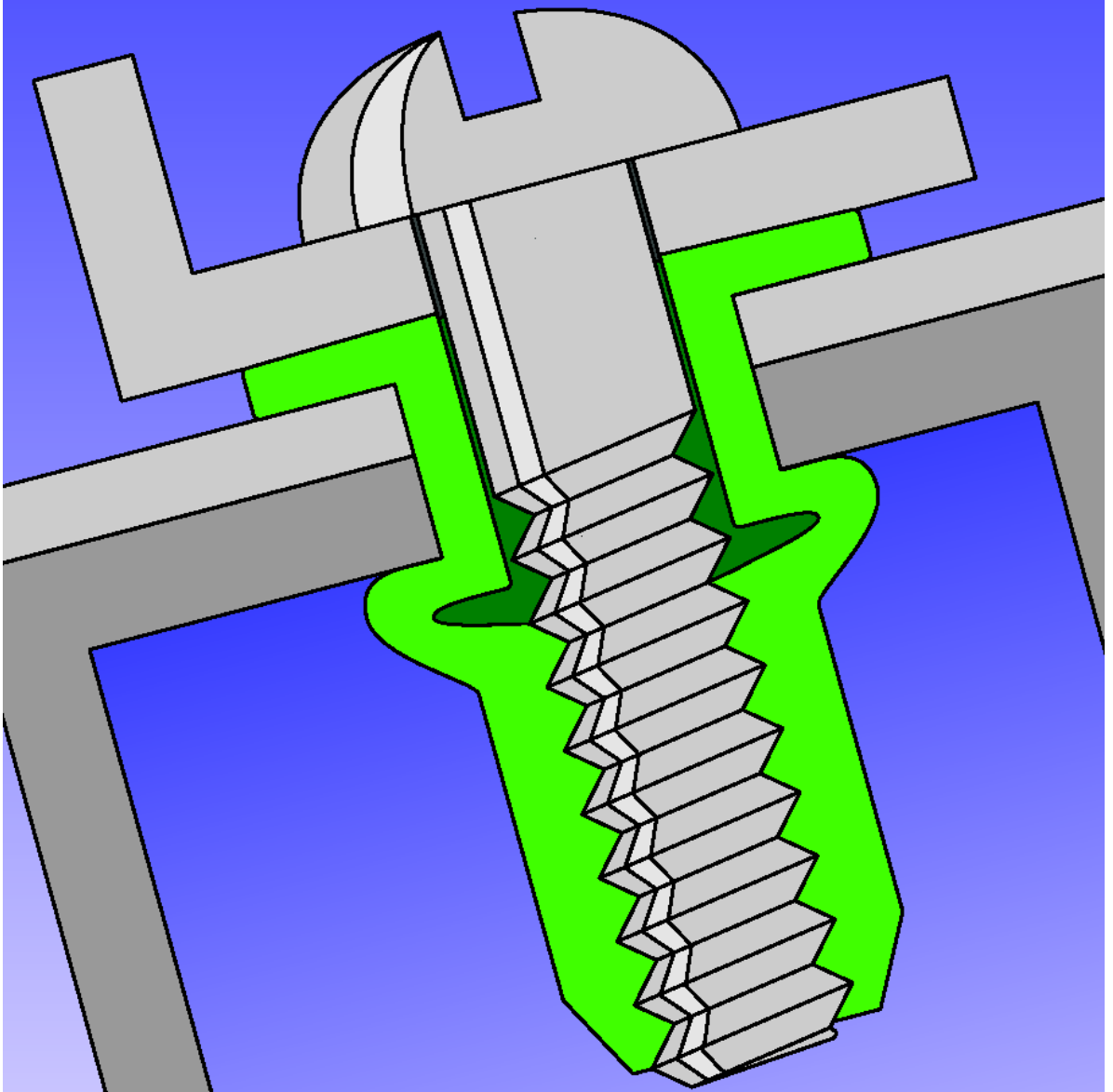
TITGEMEYER[®]GTO

■ Fastening Technology

- high quality blind rivet nuts
- comprehensive range in stainless steel
- also in steel, aluminium and brass
- round, part hex, and fluted body shapes
- flat, countersunk and flush head styles
- open and closed ends

■ RIV-TI[®] CLUFIX

high quality blind rivet nuts



RIV-TI[®] CLUFIX

high quality blind rivet nuts

Verastile

Riv-Ti[®] Clufix rivet nuts are a combination of rivet and nut. You can fasten with it, to it - or both.

Riv-Ti[®] Clufix rivet nuts are perfect for use in high volume production or for prototypes. They are installed from one side of the application using simple and effective power or hand tools.

Installation

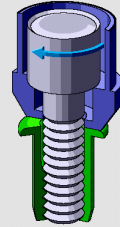
Riv-Ti[®] Clufix rivet nuts are easy and quick to install. They are energy efficient, produce no fumes and do not require the assembly to be cleaned after installation. They can be installed after components have been painted or otherwise coated without damaging the surface finish.

Variety

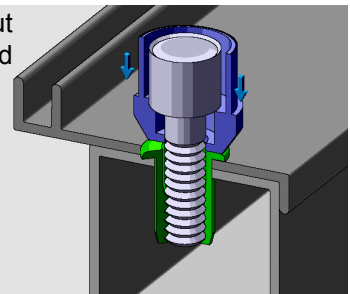
A comprehensive range of Riv-Ti[®] Clufix rivet nuts are available in stainless steel and also steel, aluminium and brass on request. Thread sizes range from M3 to M12 and Riv-Ti[®] Clufix can be installed in material up to 7.6 mm thick.

They have round, hexagonal or fluted body shapes with flat, countersunk, flush or lugged head styles and open or closed ends.

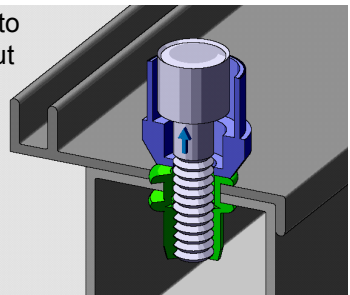
Screw the Riv-Ti[®] rivet nut on to the threaded mandrel of the installation tool



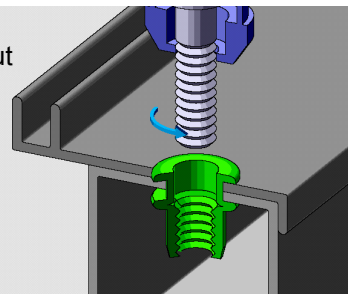
Place the rivet nut into the pre-drilled or pre-punched hole



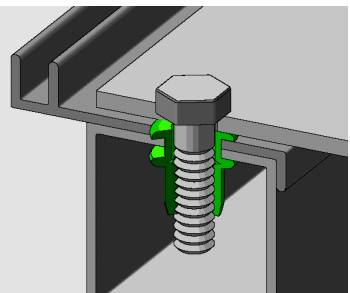
Operate the tool to install the rivet nut securely in place









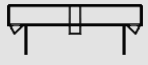
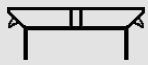
Spin the mandrel out of the rivet nut



The Riv-Ti[®] rivet nut is now ready for use with a suitable screw or bolt



**RIV-TI[®]
CLUFIX**
blind rivet nuts

Round Body	Flat Head	Open End		<input type="checkbox"/> stainless - A2 <input type="checkbox"/> stainless - A4 <input checked="" type="checkbox"/> steel <input type="checkbox"/> aluminium	
		M.CO..			
	Flat Head	Closed End		<input type="checkbox"/> stainless - A2 <input type="checkbox"/> stainless - A4 <input checked="" type="checkbox"/> steel	
		M.CB..			
	Countersunk Head	Open End		<input type="checkbox"/> stainless - A2 <input type="checkbox"/> stainless - A4 <input checked="" type="checkbox"/> steel <input type="checkbox"/> aluminium	
			M.FO..		
		Countersunk Head	Closed End		<input type="checkbox"/> stainless - A2 <input type="checkbox"/> stainless - A4 <input checked="" type="checkbox"/> steel
			M.FB..		
	Flush Head	Open End		<input type="checkbox"/> stainless - A2 <input type="checkbox"/> stainless - A4 <input checked="" type="checkbox"/> steel	
			M.fO..		
		Flush Head	Closed End		<input type="checkbox"/> stainless - A2 <input type="checkbox"/> stainless - A4 <input checked="" type="checkbox"/> steel
			M.fB..		
Flat Head with lugs	Open End		<input type="checkbox"/> stainless - A2 <input checked="" type="checkbox"/> steel		
	M.CO..ER				
Countersunk head with lugs	Open End		<input type="checkbox"/> stainless - A2 <input checked="" type="checkbox"/> steel		
	M.FO..ER				

Round Bodied Rivet Nuts

Ideal for standard applications where additional turning security is not required.

Flat Head

Requires a plain hole. Head is left proud of the application material after installation.

Countersunk Head



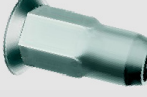
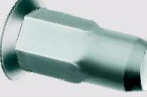
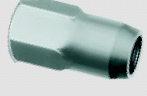
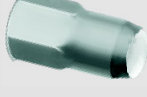
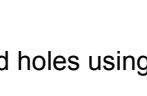
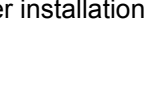





Requires a countersunk hole for a flush finish - see notes on page 6.

Flush Head

Requires a plain hole. Small head height gives a flush finish without countersinking.

Heads with Lugs

Used in material which is softer than the rivet nut material e.g. stainless steel into mild steel, steel into aluminium or for installation into plastics. Provides security against the rivet nut turning.

RIV-TI[®] CLUFIX blind rivet nuts	Part Hex Body	Flat Head	Open End		<input type="checkbox"/> stainless - A2 <input type="checkbox"/> stainless - A4 <input checked="" type="checkbox"/> steel	
			H.CO..	Closed End		<input type="checkbox"/> stainless - A2 <input type="checkbox"/> stainless - A4 <input checked="" type="checkbox"/> steel
			H.CB..			<input type="checkbox"/> stainless - A2 <input type="checkbox"/> stainless - A4 <input checked="" type="checkbox"/> steel
			H.FO..	Closed End		<input type="checkbox"/> stainless - A2 <input type="checkbox"/> stainless - A4 <input checked="" type="checkbox"/> steel
		H.FB..	Open End			<input type="checkbox"/> stainless - A2 <input type="checkbox"/> stainless - A4 <input checked="" type="checkbox"/> steel
		Countersunk Head	Open End	H.CO..		<input type="checkbox"/> stainless - A2 <input type="checkbox"/> stainless - A4 <input checked="" type="checkbox"/> steel
				H.CB..		<input type="checkbox"/> stainless - A2 <input type="checkbox"/> stainless - A4 <input checked="" type="checkbox"/> steel
			Closed End	H.FO..		<input type="checkbox"/> stainless - A2 <input type="checkbox"/> stainless - A4 <input checked="" type="checkbox"/> steel
				H.FB..		<input type="checkbox"/> stainless - A2 <input type="checkbox"/> stainless - A4 <input checked="" type="checkbox"/> steel
		Flush Head	Open End	H.fO..		<input type="checkbox"/> stainless - A2 <input type="checkbox"/> stainless - A4 <input checked="" type="checkbox"/> steel
H.fB..				<input type="checkbox"/> stainless - A2 <input type="checkbox"/> stainless - A4 <input checked="" type="checkbox"/> steel		
Closed End	H.fO..			<input type="checkbox"/> stainless - A2 <input type="checkbox"/> stainless - A4 <input checked="" type="checkbox"/> steel		
	H.fB..			<input type="checkbox"/> stainless - A2 <input type="checkbox"/> stainless - A4 <input checked="" type="checkbox"/> steel		

Part Hex Bodied Rivet Nuts

Ideal for applications where resistance to turning is essential.

Parts requires hexagonal holes which can be punched or cut from round holes using cutting tools.

Flat Head


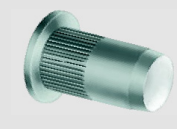




Requires a plain hole. Head is left proud of the application material after installation.

Countersunk Head

Requires a countersunk hole for a flush finish - see notes on page 6.

Flush Head

Requires a plain hole. Small head height gives a flush finish without countersinking.

RIV-TI[®] CLUFIX blind rivet nuts	Fluted Round Body	Flat Head	Open End		<input type="checkbox"/> stainless - A2 <input type="checkbox"/> stainless - A4 <input checked="" type="checkbox"/> steel	
			C.CO.. F.CO..	Closed End		<input type="checkbox"/> stainless - A2 <input type="checkbox"/> stainless - A4 <input checked="" type="checkbox"/> steel
			C.CB.. F.CB..		<input type="checkbox"/> stainless - A2 <input type="checkbox"/> stainless - A4 <input checked="" type="checkbox"/> steel	
		Countersunk Head	Open End		<input type="checkbox"/> stainless - A2 <input type="checkbox"/> stainless - A4 <input checked="" type="checkbox"/> steel	
			C.FO.. F.CO..	Closed End		<input type="checkbox"/> stainless - A2 <input checked="" type="checkbox"/> steel
			C.FB.. F.FB..		<input type="checkbox"/> stainless - A2 <input checked="" type="checkbox"/> steel	
		Flush Head	Open End		<input type="checkbox"/> stainless - A2 <input type="checkbox"/> stainless - A4 <input checked="" type="checkbox"/> steel	
			C.fO.. F.fO..	Closed End		<input type="checkbox"/> stainless - A2 <input type="checkbox"/> stainless - A4 <input checked="" type="checkbox"/> steel
			C.fB.. F.fB..		<input type="checkbox"/> stainless - A2 <input checked="" type="checkbox"/> steel	

Fluted Round Bodied Rivet Nuts

Ideal for applications where additional resistance to turning is required in soft materials e.g. glass fibre, plastics, PCB boards and so on.

Flat Head

Requires a plain hole. Head is left proud of the application material after installation.

Countersunk Head

Requires a countersunk hole for a flush finish - see notes on page 6.

Flush Head

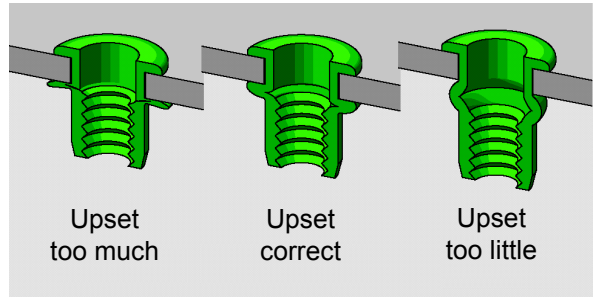
Requires a plain hole. Small head height gives a flush finish without countersinking.

RIV-TI[®] CLUFIX

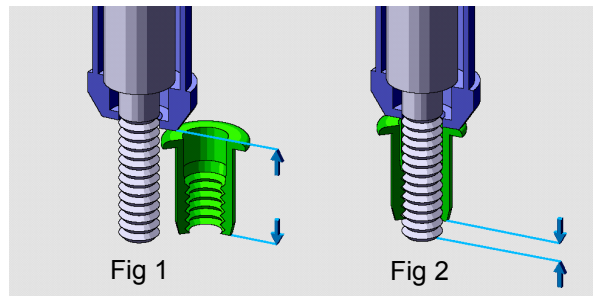
high quality blind rivet nuts

Installation

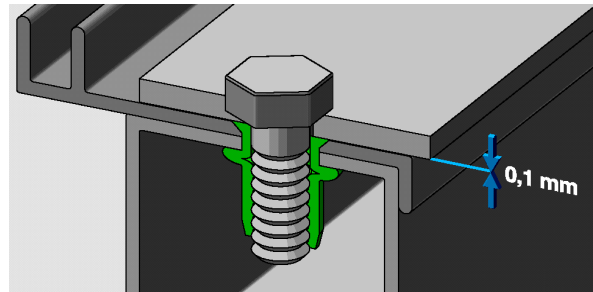
The key to correct installation is to use the correct part and to produce the correct upset. Set the installation tool according to instructions supplied and check in-situ or using scrap material of the correct total thickness. The correct upset form is shown opposite. When satisfied, lock the tool setting and proceed.



To avoid damaging the Riv-Ti[®] Clufix rivet nut threads the tool mandrel must engage all the threads in the rivet nut - see Fig. 1. Ensure one or two threads of the mandrel protrude through the end of the rivet nut - see Fig. 2. The tool must be held at right angles to the workpiece.



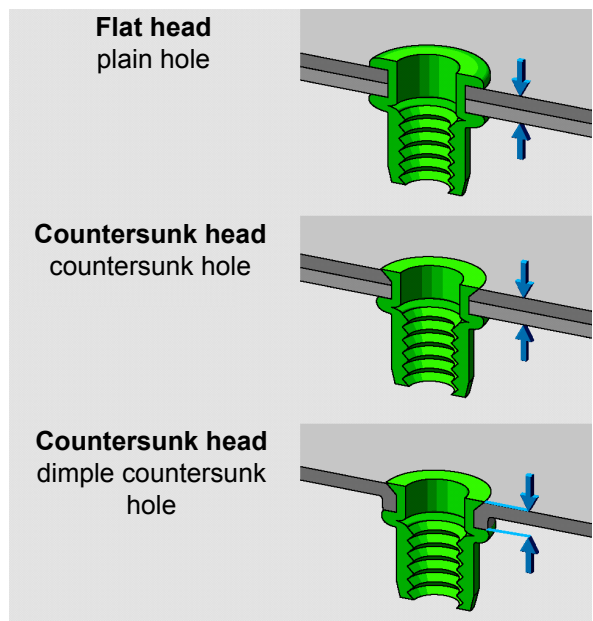
When installing countersunk head Riv-Ti[®] Clufix rivet nuts do not countersink the material too deep. Always ensure that the tool anvil is the same diameter or slightly smaller than the Riv-Ti[®] Clufix head to avoid 'bridging' the hole and causing a loose upset. For optimum performance the head of the Riv-Ti[®] Clufix should be approximately 0.1 mm proud of the surface after installation.



Grip Range

Measure the total material thickness including paint, burrs, etc. and select a Riv-Ti[®] Clufix rivet nut with suitable grip range. If the total material thickness is at the upper limit of the grip range, select a longer part. If in doubt ask for advice.

The illustrations show typical installations.



RIV-TI[®] CLUFIX

HAND TOOL R1	Range M4 - M10
---------------------	--------------------------

HAND TOOL MS 3	Range M3 - M5
-----------------------	-------------------------

HAND TOOL MS 7	Range M3 - M6 aluminium M3 - M5 stainless steel & steel
-----------------------	--

HAND TOOL MS 9	Range M4 - M10
-----------------------	--------------------------

POWER TOOL MS 50 Hydro-pneumatic	Range M3 - M10 aluminium M3 - M8 stainless steel & steel
--	---

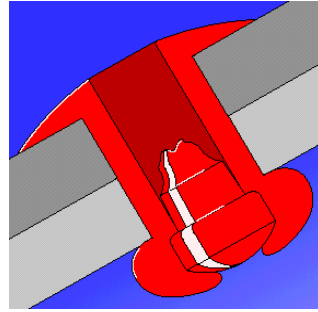
POWER TOOL MS 100 Hydro-pneumatic	Range M8 - M14
---	--------------------------

FIREBIRD[®] Battery tool	Range M3 - M10 aluminium M3 - M8 stainless steel & steel
---	---

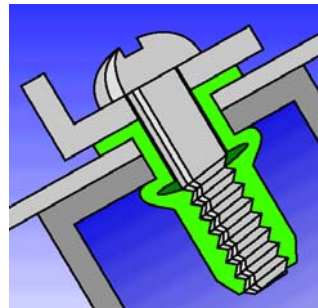
INSTALLATION TOOLS



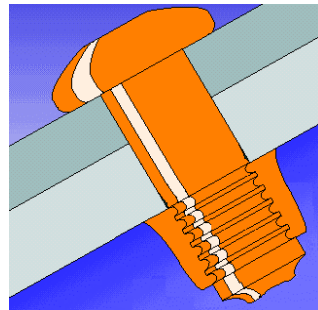
Blind Rivets



Threaded Inserts



Assembly Systems



Installation Tools

