

GENERAL INFORMATION

HOW TO READ THE RIVET NUT CODE?

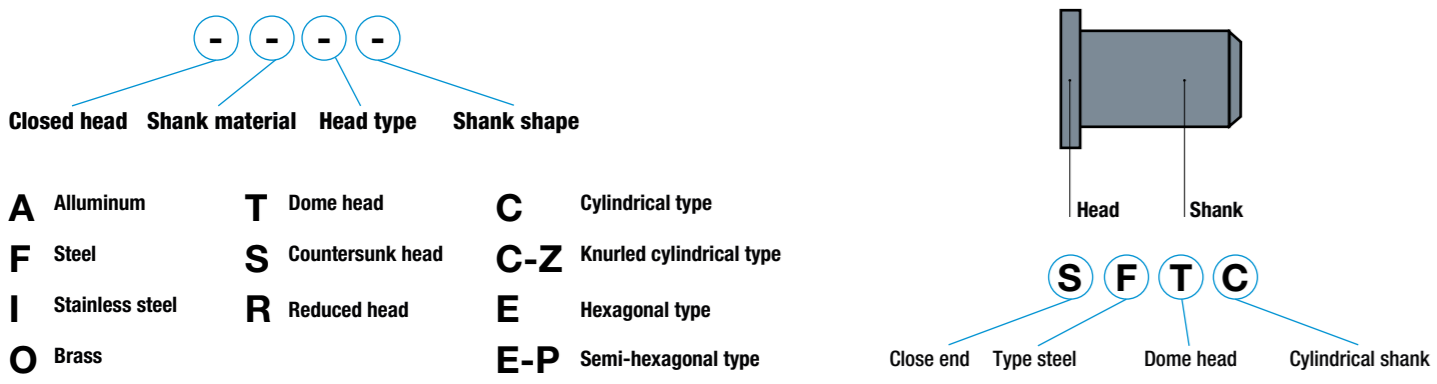


TABLE OF HOLES

Pitch	Cylindrical shank		Hexagonal shank	
	Hole (+0.1/-0)	Hexagon	Hole (+0.1/-0)	Hexagon
M3	5	5	5	5
M4	6	6	6	6
M5	7	7	7	7
M6	9	9	9	9
M8	11	11	11	11
M10	12	12	12	12
M10	13	13	13	13
M12	15	-	15	-
M12	16	16	16	16

TABLE OF THREADS

Thread	M3	M4	M5	M6	M7	M8	M10	M12	M14	M16	M18	M20
Large pitch	0.5	0.7	0.8	1.0	1.0	1.25	1.50	1.75	2.0	2.0	2.5	2.5

Metric thread ISO 6H

HOW TO CHOOSE A RIVET NUT

Pay attention to the hole and thickness range indicated in the catalogue. Each hole and thickness shall have their correct rivet nut, to prevent over-thickness, large holes, or under-thickness. Choose the suitable rivet nut shape (dome, knurled dome, hexagonal type) to withstand the desired torsional force. Provide for any possible galvanic corrosions (battery effect between base and rivet nut). Choose a dome-head or countersunk-head rivet nut, whenever possible. For a reduced head, check the hole tolerance.

HOW TO USE A RIVET NUT

A smaller tightening thickness than the one indicated may result in an incorrect fastening, and thus to non-linear deformation of the deformation chamber, with the rivet nut being able to fit askew. A higher tightening thickness than indicated may result in the deformation chamber not being fully deformed and not having the specified fitting resistances. A large hole or with burrs may result in an incorrect fastening. If it is a reduced-head rivet nut, it may not hold the head, the rivet nut fitting may be askew and produce a bad deformation chamber. The rivet nut may thus be stuck on the tie rod or lose its suitable resistances. Using an askew or worn tie rod may result in a rivet nut unthreading or in an askew fitting. Excessive stroke or force may result in a rivet nut unthreading or in tie rod breaking.

RIVET NUTS / DATA SHEETS



	OPEN END TYPE			CLOSED END TYPE		
	CYLINDRICAL	KNURLED CYLIND.	HEXAGONAL SEMI-HEXAGONAL	CYLINDRICAL	KNURLED CYLIND.	HEXAGONAL SEMI-HEXAGONAL
DOME HEAD	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓
COUNTERSUNK HEAD	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓
REDUCED HEAD	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓
LARGE HEAD	✗	✓✓	✓✓	✓✓	✗	✓✓
WATERTIGHT	✗	✗	✗	✓✓	✓✓	✓✓
TORQUE STRENGTH						
HOLE						

APPLICATION IN BRIEF

- For a removable application with a female thread on a sheet with no access to the rear.
- For a removable application that requires good torque strength by creating a female thread on a sheet with no access to the rear.
- For a removable application that requires high torque strength by creating a female thread on a sheet with no access to the rear.
- For a removable application requiring with the creation of a female thread at the bottom of a sheet with no access to the rear.
- For a removable application requiring good torque resistance with the creation of a closed female thread at its bottom on a sheet with no access to the rear.
- For a removable application that requires high torque strength by creating a closed female thread at its bottom on a sheet with no access to the rear.

APPLICATIONS

- Lightweight carpentry.
- General Purpose.
- Carpentry, automotive, mechanical engineering.
- Tanks, airtight storage cisterns.
- Tanks, tubs.
- Tanks, tubs, food industry mechanics.

SUGGESTED TOOLS

- RIV98, RIV938, RIV740
- RIV99, RIV939, RIV730
- RIV903C, RIV998, RIV603, RIV740
- RIV900, RIV912, RIV730
- RIV901, RIV938S, RIV949, RIV730
- RIV905, RIV942, RIV916B, RIV740
- RIV918, RIV916, RIV730
- RIV916, RIV730
- TIGHTENING WITH SCREW
- RIV905, RIV938, RIV730
- RIV906, RIV939P8, RIV740
- RIV905, RIV906, RIV939, RIV740

LEGEND OF COLOURS / MATERIALS:



	RIVBOLT			JACKRIV	TUBRIV	PRENSERT	RIVBOLT		
	CYLINDRICAL	KNURLED CYLIND.	HEXAGONAL SEMI-HEXAGONAL				CYLINDRICAL	KNURLED CYLIND.	HEXAGONAL SEMI-HEXAGONAL
DOME HEAD	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓
COUNTERSUNK HEAD	✗	✗	✗	✗	✗	✗	✗	✗	✗
REDUCED HEAD	✗	✗	✗	✗	✗	✗	✗	✗	✗
LARGE HEAD	✗	✗	✗	✗	✗	✗	✗	✗	✗
WATERTIGHT	✗	✗	✗	✗	✗	✗	✗	✗	✗
TORQUE STRENGTH									
HOLE									

APPLICATIONS

- Very soft materials that require low clamping pressure spread over a large surface area to create a thread.
- Very soft materials that require clamping pressure spread over a large surface area to create a thread with good strength.
- Applications with a removable connection that does not transmit vibrations and with good thermal and electrical insulation property.
- For a removable application where a male thread on a sheet with no access to the rear is to be created.
- For a removable application that requires good torque strength by creating a male thread on a sheet with no access to the rear.
- For a removable application where a male thread on a sheet with no access to the rear.

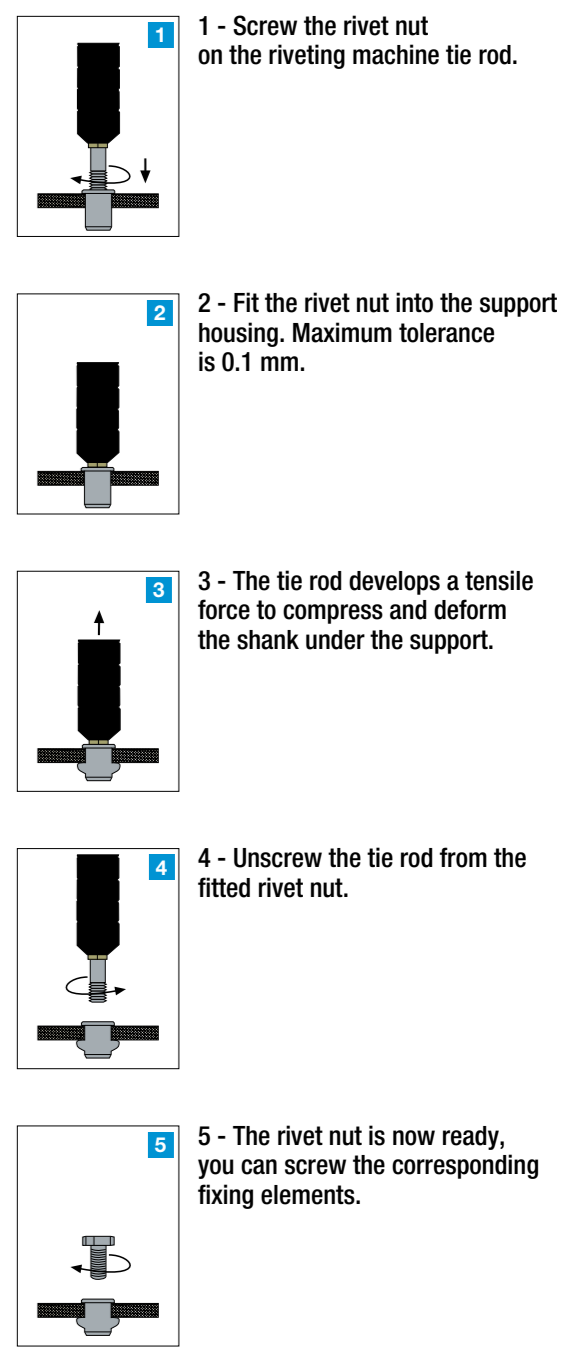
APPLICATIONS

- Plastics, vetronite.
- Plastics, composite materials, glass-reinforced plastics.
- Electromechanical, electromechanical applications.
- Metal carpentry, mechanical industry, electronics.
- Metal carpentry, mechanical industry, automotive.
- Metal carpentry, automotive, heating industry.

SUGGESTED TOOLS

- RIV918, RIV916, RIV730
- RIV916, RIV730
- TIGHTENING WITH SCREW
- RIV905, RIV938, RIV730
- RIV906, RIV939P8, RIV740
- RIV905, RIV906, RIV939, RIV740

APPLICATION



RIVETING TOOLS FOR RIVET NUTS

RIVETING TOOLS FOR RIVET NUTS HAND

Rivit offers a wide choice of tools and accessories to satisfy all needs from M3 to M12 (Rivbolt from M4 to M10). The ergonomics and ease-of-use features of our hand riveting machines facilitate and make each work safe and reliable. Further details available in our website rivit.it



RIVETING TOOLS FOR RIVET NUTS HYDRO-PNEUMATIC



Rivit offers machines designed to maximise the tightening performance with all types of threaded rivet nuts, both male and female types. Simple and practical to be adjusted, ergonomic and safe, the Rivit hydro-pneumatic riveting machines for rivet nuts can be used in all manufacturing sectors, up to the most complex and challenging industrial applications, in a wide range of rivet nuts. Further details available in our website rivit.it

RIVETING TOOLS FOR RIVET NUTS BATTERY

The Rivit battery-operated tools are equipped with powerful and reliable brushless motors and long-lasting batteries. Their ease-of-use and reliability turn out to be their strength, offering the customer a value-added solution, with a wide range of applications: from M3 to M8 rivet nuts (M10 made of aluminium only). Further details available in our website rivit.it



CONTROLRIV 4.0

Our process control system is an essential device for process quality control, as it provides essential information on correct tightening and stores detailed information. The ControlRiv system comes either in stand-alone units or in a network of devices which, via the Primary device, communicate and exchange data with a PLC monitoring and controlling all processes. It provides information and data exchange on the process outcome via relay outputs, or via a communication bus. ControlRiv is a true step forward towards digitalisation and total-quality based processes. Further details available in our website rivit.it



Rivit srl
Via Marconi, 20 loc. Ponte Rizzoli
40064 Ozzano dell'Emilia (BO), Italy
T. +39 051 4171111, rivit@rivit.it



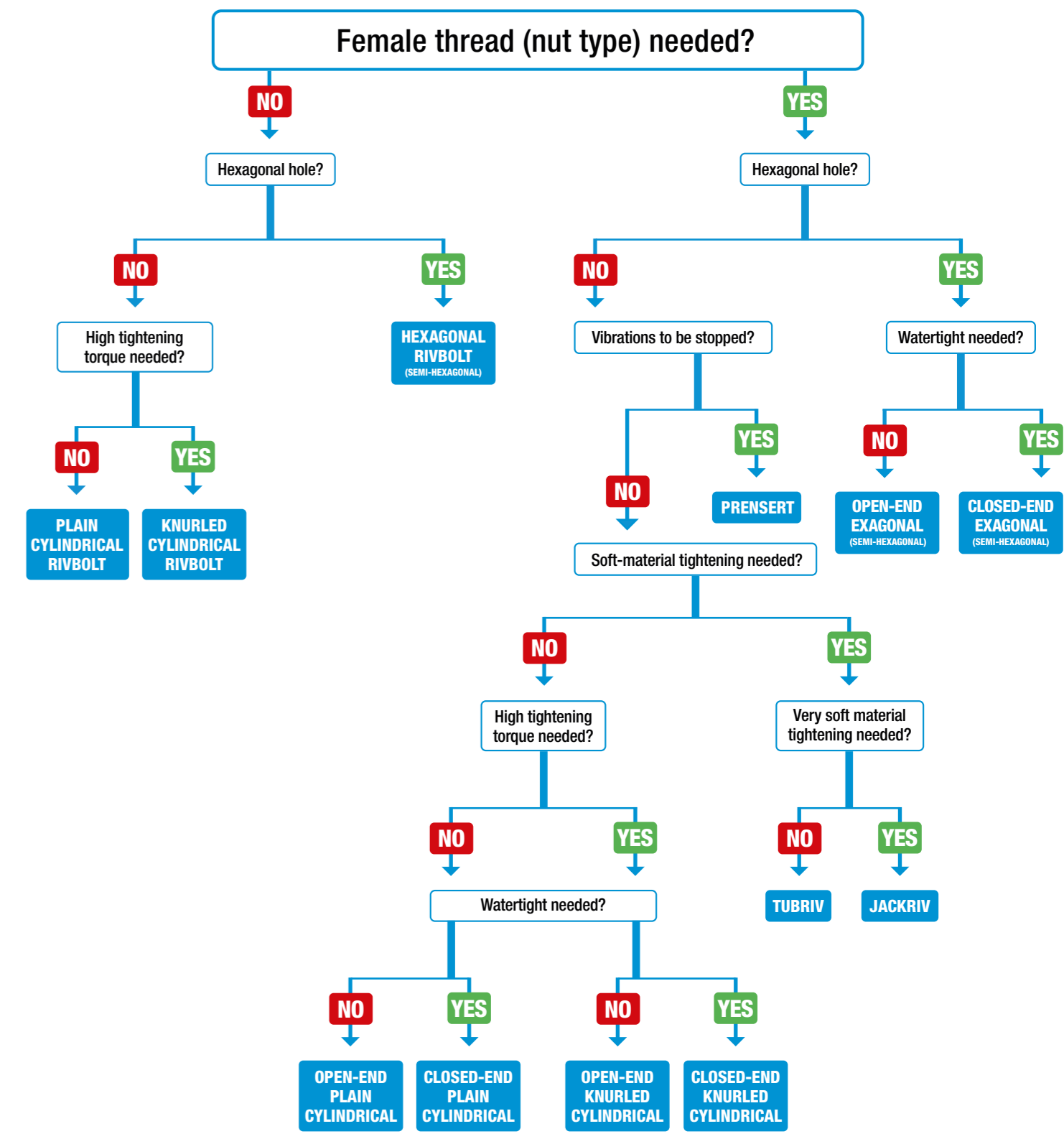
DAL | SINCE 1973
f y in RIVIT.IT

a FERVI GROUP company

FASTENERS & TOOLS



RIVET NUTS FLOW CHART



CHOOSING RIVET NUTS

QUICK GUIDE

