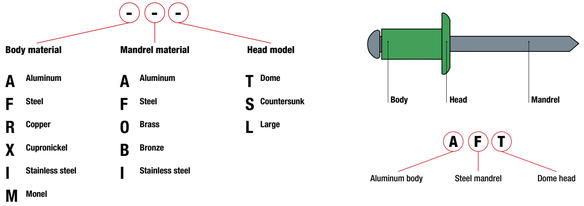
GENERAL INFORMATION

HOW TO READ THE RIVET CODE?



LEGEND OF THE MATERIAL TO BE ASSEMBLED

Rivet material \ Material to assemble	Monel	Stainless steel	Copper	Steel	Aluminum	Cadmium	Zinc
Monel	-	■	■	■	■	■	■
Stainless Steel	■	-	■	■	■	■	■
Copper	➔| ➔➔	➔| ➔➔	-	■	■	■	■
Steel	➔➔	➔➔	➔➔	-	➔➔	■	■
Aluminum	➔➔	➔| ➔➔	X	➔| ➔➔	-	■	■
Cadmium	➔➔	➔➔	➔➔	➔➔	➔	-	■
Zinc	➔➔	➔➔	➔➔	➔➔	➔➔	➔	-

■ No contact corrosion
➔ Small contact corrosion
➔➔ High contact corrosion
X Assembly not recommended

HOW TO USE CORRECTLY A BLIND RIVET

Pay attention to the hole diameter and tightening range as written in the catalogue. Each hole and thickness range shall have the correct blind rivet, to prevent uncorrect fastening.
Pay attention to the blind rivet type selection and choose the rivet that satisfies your need, even if not a standard one, to prevent potential problems with vibrations and overall resistance.
Keep into consideration possible corrosion related issues, when choosing the blind rivet and the material to be assembled.

HOW TO USE CORRECTLY A BLIND RIVET

A smaller tightening range may result in an incorrect fastening, like a wrong mandrel removal during pulling operation.
A greater tightening range may result in an incorrect fastening, like loosing the setting head or a wrong mandrel removal.
A wider hole may result in an incorrect fastening, like loosing the setting head or the whole blind rivet. The selection of the correct noozle in the fastening tool is another point of attention to avoid wrong removal of the blind rivet mandrel and an incorrect fastening process.
The selection of the correct nosepiece in the fastening tool is another point of attention to avoid wrong removal of the blind rivet mandrel and a not correct fastening process.

BLIND RIVETS / DATA SHEETS

LEGEND OF COLORS / MATERIALS:

ALUMINUM · STEEL · BRASS · COPPER · STAINLESS STEEL A2 (AISI 304) · STAINLESS STEEL A4 (AISI 316)

	STANDARD	SEALED	MULTIGRIP	FIORIV	TRERIV	GTRERIV	GORIV	MASRIV	RIVBU	RIVINOX	LOCKRIV	MAGNARIV	MONRIV	SPEEDRIV
DOME HEAD	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✕	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓
COUNTERSUNK HEAD	✓✓	✓✓	✓✓	✕	✕	✕	✕	✕	✕	✕	✓✓	✓✓	✓✓	✓✓
LARGE HEAD	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✕	✕	✕	✕	✓✓	✓✓	✓✓	✓✓
SEALED RIVETS	✕	✓✓	✕	✕	✕	✓	✕	✕	✕	✕	✕	✕	✕	✕
STRUCTURAL RIVETS	✕	✕	✕	✕	✕	✓	✕	✕	✓	✓	✓✓	✓✓	✓✓	✕
TENSILE STRENGTH														
SHEAR STRENGTH														
VIBRATION RESISTANCE														
USING	Fast clamping of two materials with no access to the rear, not requiring too high resistances.	Fast clamping of two materials with no access to the rear, requiring watertight characteristics.	High tightening range, vibration resistance and applications with irregular and misaligned holes.	Soft and composite materials where the clamping pressure must be minimal.	Soft materials that require a clamping pressure spread over a large surface area.	Soft materials that require a clamping pressure spread over a large surface area and good weather resistance.	Blind holes in soft material, usually a wooden surface.	Whenever you need to quickly create a grounding connection.	Semi-structural clamping, in steel.	Semi-structural clamping, in stainless steel.	Fast clamping of two materials with no access to the rear, requiring high static and vibration strengths.	Fast clamping of two materials with no access to the rear, requiring high static strengths.	Fast clamping of two materials with no access to the rear, requiring high static strengths.	Applications that require high execution speed.
TYPICAL APPLICATIONS	General Purpose.	Water tanks, tubs.	Carpentry, contractors, different thicknesses.	Building materials, bricks, corrugated panels, insulated roofs.	Plastics, fiberglass.	Solar panels, roof brackets.	Wooden boxes.	Batteries, cabinet and protection electrical control panel.	Variable tightening ranges.	Variable tightening ranges.	Tanks, truck flatbeds, automotive, coolers, ventilation fans, filters.	Heavy carpentry, air treatment, automotive.	Heavy carpentry, air treatment, automotive.	Loudspeakers, electrical circuits, automotive, furniture.
SUGGESTED TOOLS	RIV18, RIV502, RIV609, RIV710	RIV4, RIV536, RIV710	RIV15, RIV360, RIV504, RIV601, RIV710	RIV7, RIV504, RIV710	RIV2, RIV5, RIV503BH, RIV710	RIV7, RIV506, RIV720	RIV6, RIV19, RIV503, RIV710	RIV4, RIV503, RIV710	RIV506, RIV720	RIV506, RIV720	RIV508, RIV511B	RIV508, RIV511B	RIV508, RIV511B + NOZZLE	RIV300, RIV303

(*) This document provides helpful information for the choice of the blind rivet that satisfies the application need. Whenever the blind rivet has to provide highly demanding mechanical performance, please contact Rivit for a professional consultancy and practical tests.

BLIND RIVET INSTALLATION TOOLS

RIVET TOOLS HAND

Rivit offers a wide choice of tools and accessories to cover all needs from Ø 3.0 to Ø 6.4, for all the main alloys. The ergonomics and simplicity of our hand riveters facilitate the work and make it safe and reliable to every operator.
For more details, visit our website rivit.it

RIVET TOOLS PNEUMATIC

Rivit offers tools designed to maximize the tightening performance of each type of blind rivet, both standard and structural. Simple and practical to adjust, ergonomic and safe, the Rivit pneumatic riveters can be used in all production fields, up to the most complex and challenging industrial applications, in a range of blind rivets up to Ø 7.7 (Gtreriv).
For more details, visit our website rivit.it

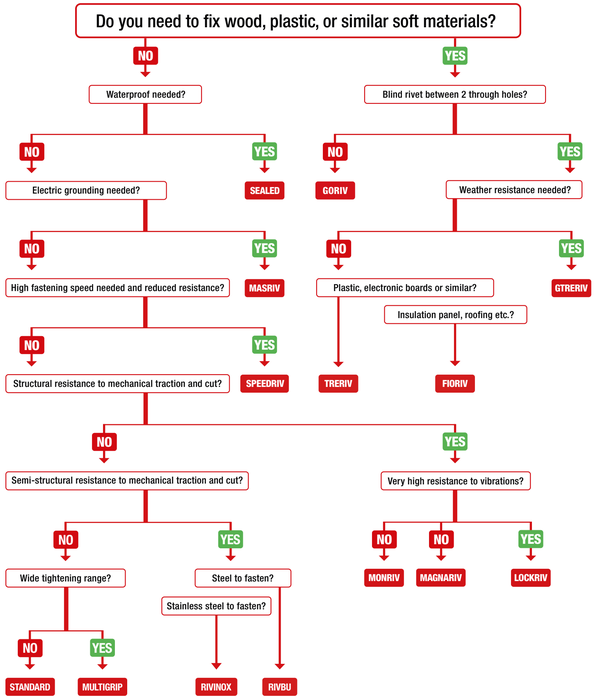
RIVET TOOLS BATTERY

The Rivit battery-operated tools are equipped with powerful and reliable brushless motors and long-lasting batteries; their simplicity and reliability turn out to be their strength, offering the customer a value-added solution, capable of covering a wide range of applications from Ø 2.4 up to Ø 6.4 in all main alloys.
For more details, visit 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 successful applications and stores the detailed data.
The Controlriv System comes either in stand-alone units or in a network of devices which, through the Primary device, communicate and exchange data with the supervisor PLC.
It is possible to provide information and exchange data on the outcome of the process, through relay outputs, or through a communication bus.
Controlriv is a real step forward towards the digitization of processes and towards the concept of total quality.
For more details, visit our website rivit.it

BLIND RIVET FLOW CHART



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FASTENERS & TOOLS

CHOOSING
BLIND RIVETS

QUICK GUIDE