

Fastening solutions from Rivit

Rivit Srl is able to offer its customers a wide range of fastening solutions including blind bolting systems.

Rivit explains that blind bolts are a very fast fastening system featuring strong resistance to vibrations and high shear and tensile strength. The fast placing is given by the non-use of complementary traditional fasteners such as bolts and nuts, which combines ease of installation requiring no special skills.

The blind bolting system consists of a bolt and a collar and the fixing is given by the moulding of the collar on the locking lines of the bolt itself.



Rivlockgrip



Rivlock



Rivit offers two types of blind bolts: Rivlocks are standard blind bolts, while Rivlockgrips have a wider grip range which means that only a few types of bolts are needed to cover a wide range of thicknesses to be tightened.

Rivit points out that blind bolts are suitable for various applications in industries such as railway construction, automotive, ventilation, metal structural works, and shipbuilding. Blind bolts are particularly useful in applications where disassembly is not necessary.

“The main advantages of the blind bolting system are the reduction in the time necessary for installation, steady

mechanical features, ease of installation and check.”

For the installation of the blind bolts customers can use RIV508, hydro pneumatic riveting tool for structural blind rivets and bolts, or the booster version RIV508B, allowing a customer to place structural rivets up to 7.8mm diameter and Rivlock, Rivlockgrip blind bolts up to 6.4mm diameter.

RIV509, a portable hydro pneumatic tool for blind bolts, and the booster version RIV509B, were specially designed by Rivit to place blind bolts and they are ideal for placing Rivlocks and Rivlockgrips up to 10mm diameter.

Both tools feature a considerable tensile strength and a remarkable return force (airdraulic piston), essential for the expulsion of the collar. ■



RIV508



RIV508B



RIV509



RIV509B

New series of full nylon lock nuts

Bülte Plastics explains that its self-locking nuts are ideal for applications that require extra security as they eliminate backlash without sacrificing efficiency.

This type of nut is more effective than standard hex nuts because it includes a non threaded part which closes around the thread creating a lock between the two threads.

Self-locking nuts are used as a secure fastening nut for joining various kinds of parts. They are manufactured from natural polyamide 6.6 that, when combined with steel screws, provides low drag torque and smooth operation throughout the life of the assembly (preferably not reusable). They also save weight over the conventional steel/nylon lock nuts.

The cost effective plastic nuts are widely used in a variety of industrial applications (electronic and electrical equipment, construction, furniture and medical industries) requiring such properties as strength, corrosion resistance, oil resistance, low weight alternatives and low thermal conductivity. The working temperature range is -30°C to +100°C and metric sizes include M5, M6, M8, M10 and M12.

Bülte self-locking nuts can also be supplied in PP, PE and PVDF and in a wide range of colours to suit customer requirements. A full catalogue is available on request. ■

Meeting the demands of the marine industry

Southco® says that its stainless steel R4-10 rotary latch brings corrosion-resistant durability to a proven latching solution suitable for vandal-proof and watertight storage areas.

Constructed of 304 grade stainless steel, the R4-10 meets marine requirements in performance and salt spray. The concealed latch allows flexible styling of the storage compartment area and accommodates misalignment between the latch and striker bolt. A double stage latching option provides additional security and functionality. Stainless steel actuators and cables are available for multipoint latching solutions, and the new 316 grade stainless steel AC-M1 actuator delivers corrosion resistance and enhanced security to the toughest environments.

The R4-10 is available in low minimum order quantities and features varied strength options to meets customers' application requirements.

Product manager Manan Patel adds: “The new R4-10 is designed to withstand the toughest environments and provide enhancements to applications needing an upgraded latching system.” ■