

## TWIST II – QUICK CONNECTORS

The TWIST II was brought to the market to connect plastic air intake or cooling system pipes in order to get leak-proof connections. By using the TWIST connector system, you can combine your design with plastic, aluminum or steel tubes. Flexibility and freedom of design are key words when systems with integrated TWIST connectors are engineered. TWIST connectors are engineered, eliminating leakages and helping reduce weight.



### *The advantages at a glance*

- Can be integrated in end-tanks as well as be mounted on tubes or hoses
- A secure seal to the mating spigot with a low assembly force
- Robust and clear locking features with a click function to ensure a correct lock
- Easy operation for disassembly
- Temperature resistance of up to 180°

**1 Housing**

**2 Ring**

**3 Sealing Component**

### Applications

Air intake, charge air and cooling water systems

## QUICK CONNECTORS

### TWIST II

#### Variants

Since all our TWIST II are made of thermoplastic materials, we can adopt the connector features and customize our connectors to suit your demands.



TWIST II – 0°



TWIST II – 90°



TWIST II elbow – 90°



TWIST II – 0°

#### Materials

The components are combined in a way to match the specific requirements of each application and to provide the best possible physical and chemical properties. TWIST II is manufactured in recyclable materials with low permeation values. PA 66 with a glass fibre content of 30% is usually used for standard products. For coolant applications, we recommend the use of heat and hydrolysis stabilized glass fibre reinforced PA materials. Special applications, e.g. charge air systems with high temperatures require specific material grades. On request, we are ready to advise you on the best-suited material choice. O-rings are made of standard materials EPDM, NBR, FPM and FVMQ.

#### Standard materials

TWIST II quick connectors are made out of recyclable materials. As a standard solution Polyamide 6.6 with 30% to 50% glass fiber reinforcement is used. When an application requires, other engineering thermoplastic material can be used. Different reinforcement fillers and additional heat or hydrolysis resistance can also be added. Application-based design is possible when a minimum required quantity is ordered.