

BÖLLHOFF

EVO PT® SCREW

Direct screwing in thermoplastics



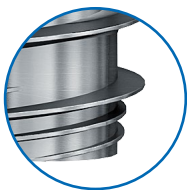
EVO PT® SCREW

Not only is the EJOT EVO PT® screw a further development of the DELTA PT® screw, but also an evolution in direct screwing in plastics. With this screw, EJOT® were the first to combine manufacturing and application engineering know-how with new methods based on physical computer simulations.

These screw convinces through strong self-locking and high pull-out strength. Process reliability is also provided thanks to a comprehensive installation window and reliable automated installation with great component tolerances. Since the EVO PT® can be loosened and reused, it allows repeated installation, repair, removal as well as sorted recycling. Individual customer requirements, such as a special screw material, head shape or surface finish, can be fulfilled.

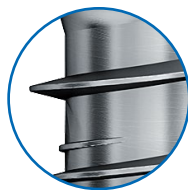
All in all, the EVO PT® is an efficient solution for your project.

New characteristics



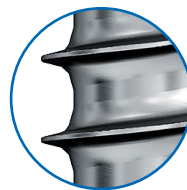
Setting thread

- Automatic centring of the screw in the screw hole
- Smaller relief depths possible



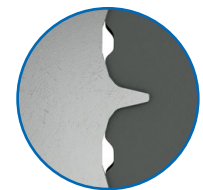
Thread forming zone

- Reduced friction during thread forming
- High installation reliability thanks to an expanded installation window



Bionic contour

- High mechanical strength for demanding applications



26° flank angle

- Excellent plastic forming

All advantages at a glance

- Stable installation process and even stress distribution under the screw head
- Reduced radial load on the component
- Smaller installation space required
- Thread forming torque and tightening torque practically independent of the screw-in depth
- Great potential for standardisation thanks to uniform tube design
- Installation reliability and reduction of process variations
- High mechanical strength for demanding applications
- Standardised flank geometry for all non-reinforced and reinforced thermoplastics
- The EVO CALC® forecasting software allows the fast and accurate determination of all important data required for the preliminary design of your screw joint.

Standard product range



EJOT EVO PT®
with pan head and
pressed-on washer
TORX PLUS®/AUTOSERT®,
zinc-nickel (FE/ZnNi8/Cn/T0)

Length*	Diameter*		
	2.5	3.0	4.0
6	E7451N6256		
8	E7451N6258	E7451N6308	
10	E7451N62510	E7451N63010	E7451N64010
12	E7451N62512	E7451N63012	E7451N64012
14		E7451N63014	E7451N64014
16			E7451N64016

* Dimensions in mm

Böllhoff Group

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