Thread-forming screws for plastics and metals – chipless and secure.

Technical information

Thread-forming screws from OEB are ideal for direct fastening in plastics and metals – without any chip formation. When screwed in, they form a process-reliable, resilient internal thread that reliably holds even under high loads. Whether thermoplastic, thermoset, aluminum or steel: Our screws impress with high torsional strength, durable connection and easy-to-install handling – also available at short notice in larger quantities

Areas of application

Thread-forming screws are ideal for applications where reliable direct fastening is required without chips and additional threading steps. In plastics and light metal processing, they ensure stable, maintenance-free connections and enable short assembly times – even with demanding component structures.

Product types

Screws for thermoplastic plastics: Thread-forming screws for direct screwing into plastic. KTG screws for thermoplastic plastics: Single or double-start thread (high, low). Stock program: Thread-forming screws for plastics: OEB-Plast.

Materials

Case-hardened steel, Tempered steel (e.g. 1.5523, tempered to 1000 + 200 N/mm^2), Stainless steel (e.g. 1.4567), Aluminum, Brass, Copper. Other light metals on request.

Dimensions

Thread diameter: 1.6 – 10 mm. Lengths: 3 – 160 mm (from 60 mm only with partial thread 4 × d). Special dimensions on request.

Thread forms

For plastic: OEB-Plast, KTG with 30°/60° flanks. For metal: Metric thread according to DIN 7500 / DIN 13. Single or double start (high/low) depending on the application.

Drive types

Slotted, Phillips (form H/Z), combination Phillips. Internal hexagon, Torx / internal hexagon socket. T-Multidrive, Iseka, Tri-Wing, one-way. With and without locking version.

Head shapes

Hexagon head, Cylinder head, Countersunk head, Oval head, Raised countersunk head, Flange head.

Surfaces

All common: Galvanized (CrVI-free, RoHS compliant), Nickel-plated, Chromated, Delta Tone and Seal, Dacromet, Geomet etc. according to the specifications of the automotive and electrical industries (VDA standard). All surfaces approved according to DIN/ISO/EN are supplied for the galvanic surfaces.

Additional processing

End machining: Shaft slots, Contact dome, Contact tip, Pin, Machining post-processing. Other as required.

Target groups

Electrical and electronics industry, Plastics Processing, Telecommunications, Machine and housing construction, Sheet metal and light metal processing, Container and apparatus construction, Medical technology, Defense industry, Agriculture/Farming.

All technical specifications are provided without guarantee. Changes, errors and omissions are expressly reserved.

Otto Eichhoff GmbH & Co. KG

www.oeb-fasteners.com

O|E|B

Screws
Fasteners
Turned and milled parts
Custom parts

Am Wendelpfad 16, D-58507 Lüdenscheid | Telephone: +49 (0) 23 51 . 97 85 - 0 | Telefax: +49 (0) 23 51 . 7 85 30 | info@oeb-fasteners.com