Thin shank screws according to DIN 7964 for positive connections.

Technical information

Thin shank screws are the first choice when a secure, positive connection with high clamping force is required. Due to their reduced shank diameter, they enable optimum frictional engagement and prevent settling of components – especially with soft materials or with loaded multi-layer connections. OEB manufactures thin shank screws in various geometries, lengths and drive types – exactly according to your application. Whether in the automotive industry, precision mechanics or in specialized assembly processes: Our screw solutions connect reliably – with minimal material usage and maximum functionality.

Areas of application

Thin shank screws from OEB are used wherever positive connections are required for settling-sensitive or multi-layer components. Thanks to their special shank geometry and individually adaptable specifications, they are ideally suited for components with limited installation space or changing loads. Our solutions have proven themselves in demanding assembly and series processes and are an integral part of durable connection technology in numerous industries.

Manufacturing

We manufacture high-quality precision parts for special fastening requirements and CNC turned parts on our CNC-controlled automatic lathes or milling machines.

Strength classes

3.6 – 12.9.

Dimensions

Thread diameter 1.6 – 24 mm, Length up to 300 mm.

Materials

Steel, Stainless steel A2 / A4, Brass, Copper, Aluminum, Other light metals.

Thread forms / Head shapes

All common.

Drive types

All common: PZ – PH – TX – Slotted, Combination Slot, Special solutions such as security drives.

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 industry (VDA standard).

Coatings

Thread locks, Thread sealants (e.g. Tuflok, ScotchGrip, Precote, Loctite, wax coatings).

Heat treatment

All common: Tempering, Carbonitriding, Tempering, Annealing, Case hardening. More upon request.

Additional processing

End machining: Shaft slots, Contact dome, Contact tip, Pin. Other as required..

Target groups

Automotive industry, Sheet metal and body construction, Device and housing technology, Electrical engineering and electronics, Mechanical engineering, Precision engineering, Household and consumer goods industry, Lightweight construction and composite material technology, Medical technology, Defense industry, Agriculture/Farming.

Documentation

All possible documentation for initial sampling is available: Standard EMPB as cover sheet sample, VDA Volume 2 Level 0-3, PPAP Level 1-3..

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

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