

## PRODUCTION CAPABILITIES - STATUS NOVEMBER 2021

The following criteria provide an overview of the production capabilities of the FREY Schrauben GmbH. Special screws and bolts are possible after technical feasibility study. All offered parts are produced in-house in Boxberg.

### DRIVES

- o Slot (SZ)
- o Hexagon socket (ISK)
- o Hexalobular socket  
ISR, TORX, TORX-Plus, 5-Lobe, 6-Lobe
- o Phillips cross recess
- o Pozidrive cross recess
- o Triple-square
- o Hexagon (with or without flange)
- o TRIWING
- o Safety drives
- o Combination drives
- o Locking gears

### PROPERTY CLASSES

Steel wire (according to DIN EN ISO 898-1)



### DIMENSIONS

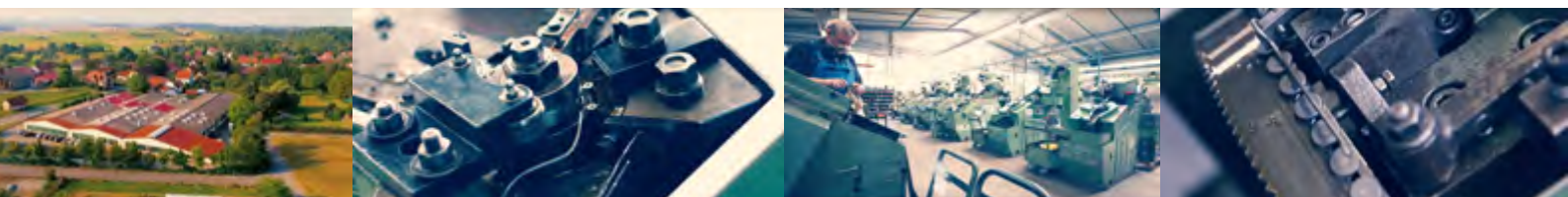
- o M2,5 to M3,5 - up to 60mm length
- o M4 to M10 - up to 100mm length

### DIN-STANDARD (with and without restricted tolerances)

63, 84, 85, 87, 88, 558, 603, 912, 920, 921, 923, 931, 933, 963, 964, 965, 966, 967, 1665, 6912, 6921, 7500, 7984, 7985, 7991, 34805-1, 34805-2, 34821

### DIN EN ISO-STANDARD (with and without restricted tolerances)

1207, 1580, 1662, 1665, 2009, 2010, 4014, 4017, 4762, 7045, 7046, 7047, 7048, 7380-1, 7380-2, 10642, 12474, 14579, 14580, 14581, 14582, 14583, 14584



#### MINIMUM QUANTITY (standard, smaller quantities are possible on request)

- o 50.000 pieces for M2,5 to M4
- o 40.000 pieces for M5
- o 30.000 pieces for M6
- o 20.000 pieces for M7 and M8
- o 10.000 pieces for M10

#### SURFACES AND COATINGS

- o Zinc
- o Zinc thick layer
- o Zinc-iron
- o Zinc-nickel
- o Zinc-flakecoating
- o Zinc-phosphating
- o Manganese-phosphating
- o Black-finish
- o Galvanic or chemical nickel-plating

Adhesive (according to DIN 267, part 27) and clamping (according to DIN 267, part 28) coatings are offered based on PRECOTE, 3M or TUFLOK

#### INITIAL-SAMPLE TEST (according to VDA level 0 to 3, PPAP level 1 to 5, certificate of acceptance 2.1 / 2.2 / 3.1)

Special requests are possible. All our measurement equipment is DAkkS certified.

#### CLEANLINESS AND SORTING

Technical cleanliness is offered as a service according to customer specifications. Different kinds of sorting are possible on request.

#### CONTACT

We look forward to your inquiry! Our experienced sales team will be happy to help.  
To the [contact form](#) or to the [sales team](#).

#### Frey Schrauben GmbH

Zur Wasserscheide 13 • 97944 Boxberg  
Tel.: + 49 0 79 30 / 32 799 - 26 • Fax: + 49 0 79 30 / 32 799 - 99  
[www.frey-schrauben.de](http://www.frey-schrauben.de) • [info@frey-schrauben.de](mailto:info@frey-schrauben.de)

