

Special bolts | Threaded and custom parts

Quality to satisfy the highest demands



Thread specialist Mürmann provides many years of expertise in the field of threading technology and the production of custom screws in many industrial sectors. The production of complex custom parts and provision of special services such as material testing, grinding or thread rolling complete the range of services. Modern production facilities, innovative process engineering and the complete monitoring of the processes guarantee maximum reliability and flexibility.

As a subsidiary of the internationally operating LISEGA Group with production facilities on three continents and more than 50 representative offices, Mürmann products are available across the entire global market.



**Industry sectors** Our customers come from a wide variety of sectors such as wind power, the petrochemical industry, the oil industry, turbine construction, power plants, repair yards, shipbuilding, pipeline construction, mechanical engineering, vehicle and trailer construction, aircraft construction, façade, bridge and steel construction, trade and pump and valve construction, and have been putting their trust in our premium quality standards and high degree of flexibility for many years.

**Quality** At Mürmann all of the activities that are decisive for the product quality are subject to number of special processes. They are oriented to the relevant international standards and regulations and together form the quality assurance program. Our independent quality management ensures strict adherence to these specifications. The procedures are firmly integrated components of the company processes. This is proven by numerous international approvals and certifications.



In addition to standardized fasteners in all dimensions, our product portfolio also includes special fasteners and custom parts based on customer-specific specifications - from single pieces to medium-volume production runs.

Our products are characterized by their high quality and precision. We produce goods from a multitude of different materials that are always held on stock, guaranteeing rapid availability.

This readily available, broad range of materials enables us to cover the most demanding applications, such as offshore and other corrosive environments and applications exposed to high and low temperatures. We can guarantee lasting resilience and functionality through the appropriate surface finishing.

### High temperature and high-strength steels

Incoloy® 800 | 800H | 800HT | 825

Inconel® X-750 | 718

Alloy 602 CA

Nimonic® 75 | 80A | 90

1.4980 (660A | B | C | D)

AISI 309 | 310 | 314

### Highly corrosion resistant steel

Hastelloy® C-4 | 22 | 276 | G-3 | G-30 | B-2 | B-3 | C-2000®

Inconel® 601 | 625 | 718 | 925 | 400 | K-500 | 686

Alloy 31 | 59

2.4605

### Corrosion resistant steels

1.4436 | 1.4529 (926) | 1.4539 (904L) | 1.4547

A2-80 | A3-80 | A4-80 | A5-80

### Duplex and superduplex steels

1.4462 (2205) | 1.4410 (2507) | 1.4501 (Zeron® 100)

### High temperature and low temperature resistant materials

1.1181 | 1.4913 | 1.4923 | 1.4986 | 1.4903 | 1.6582 |

1.7218 | 1.7709 | 1.7711

### AISI, ASTM, ASME, AMS materials

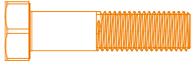
B8M | 304L | 316L | B7 | L7 | 316Ti | 321 | 17-4PH | 317LNM

### Strength classes ISO 898/ISO 3506

4.8 | 5.6 | 8.8 | 10.9 | 12.9



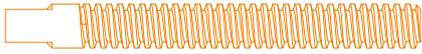
Included in our threaded product portfolio:



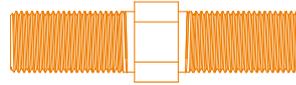
Metric standard threads M4 to M120



Metric fine threads up to M120 x 4

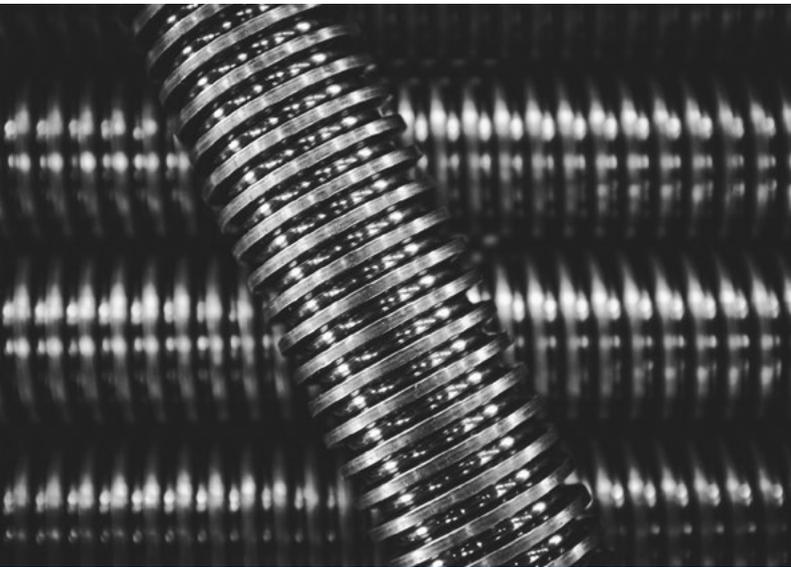


Trapezoidal threads / trapezoidal nuts



Inch threads / pipe threads

Threads are manufactured by cold-forming (rolling) or material-removing (whirling, chasing) processes. Cold formed threads are produced by roller forming or rolling depending on requirements. A particularly high quality and strengthening of the surface is achieved by the cold forming process.



## Fast lead times

Threaded rods and fittings are available in all designs and lengths up to 3 m, in some cases up to 6 m, ex stock or from on-going production at short notice.

## Product range

- Threaded rods
- Threaded fittings
- Trapezoid spindles
- Trapezoid nuts in round and hexagonal design
- Tension bolts
- Round-steel U-bolts
- End machining according to customer specifications
- Rolling ends, one-sided or as double ends
- Threaded clevis
- Turnbuckles



As a specialist in threads and threaded parts we offer our customers an extensive portfolio of custom and special screws as well as custom components according to specific specifications or templates.

We also manufacture individual products from special materials on request. In this respect, our customers benefit from our many years of experience in the processing of special materials.



### Modern production facilities

Our state-of-the-art production facilities enables us to produce small batches from controlled cycle lathes through to medium-volume production runs on modern double spindle machines with bar feeders.

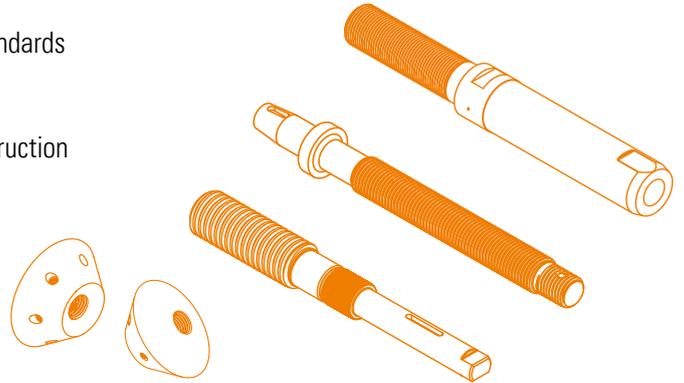
In need of a rapid response?

We always hold reserve production capacity to be able to respond to your urgent needs.



A selection of our special products:

- Hexagonal tensions bolt M48 with a strength class of 10.9 for gear construction (length 1.2 m) with special requirements for shape and position tolerances
- Spindles with trapezoidal and fine threads and additional wrench flats
- Hexagon bolts with special requirements according to ASTM/ASME standards
- 42CrMo4 threaded shafts and splines for pump construction
- Round nuts Tr50x8 with a lateral bore for lubrication used in plant construction



Contract metalworking manufacturing (steel, stainless steel, steels with special requirements) with short delivery times for the highest demands

- Extensive material warehouse
- Careful execution by highly trained skilled workers
- IT-supported production control for on-schedule deliveries
- Comprehensive range of tools
- Logistics concepts such as just-in-time, consignment stock or call-off orders are available.
- Quality management



## Our services

- CNC turning
- CNC milling
- Hot and cold forming
- Thread rolling
- Laser marking
- Grinding
- Punched laser parts
- Deep hole drilling
- Hardening, tempering
- Any form of surface coating
- Measuring technology
- Heat treatment
- Material tests in the in-house accredited testing laboratory



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