

WE CREATE CONNECTIONS





GÜLDNER

WE SUPPORT YOU

ADMITTEDLY, OUR SPECIAL SCREWS AND BOLTS MAY NOT FORM THE BULK OF YOUR MACHINE OR SYSTEM, BUT THEY ARE A VERY ESSENTIAL PART. OUR PROFESSIONAL FASTENING TECHNOLOGY HAS BEEN ENSURING BEST POSSIBLE BONDING BETWEEN YOUR COMPONENTS – FOR OVER 35 YEARS.

Our long standing experience in the processing of a variety of materials as well as our technologically superior quality through forward-looking manufacturing technologies provide you with an advantage in any project. Whether you order a customised individual item for extreme conditions or a larger batch: we adapt our services individually to your requirements, offering you a unique competitive advantage.

In addition to this, you can always count on our short and flexible delivery times and our demand-oriented logistics solutions, which we implement through e.g. uncomplicated call-

off stock or consignment stock. Because one thing is for certain: the striving for perfection at Güldner goes far beyond manufacturing.

The following pages provide you with information about our innovative machinery, the associated high vertical integration, our facilities for quality assurance through inspection test certificates and documentation, and much more.

THANK YOU FOR YOUR INTEREST IN OUR PRODUCTS!



SCHRAUBENFIBEL.DE

SAMPLE

As a little sample of our expertise, we have made valuable sector knowledge available to you at www.schraubenfibel.de.

Don't miss it!



SINCE 1981

Sonderschrauben Güldner GmbH & Co. KG was founded in Künzelsau in Germany in 1981. Currently 80 employees work at Güldner.





OUR PRODUCTS

SPECIAL SCREWS

Our area of expertise starts where the standard parts catalogue ends. We manufacture special screws, custom-made screws or special bolts for you based on your samples or drawings.

No matter how challenging the application conditions for your custom-made screws or special screws are – we support you!



CNC TURNED/MILLED PARTS AND PARTS ACCORDING TO DRAWING

Parts according to drawing are our strength! We offer the highest level of precision: from simple bolts to sophisticated parts to drawing, made of any machinable material and from non-ferrous metals with different turning and milling processes.

By the way: we have special sliding head lathes for long turned parts.

Benefit from our long standing experience – we are your specialist for parts to drawing!



FROM 1 UNIT

Whether 1, 10, 50, 5000 or 10000 units – we manufacture to your requirements.





EXPANSION BOLTS

Screw connections with an expansion shaft (e.g. DIN 2510) are particularly practical for designs subject to changing operating forces and temperatures, ensuring permanent durability of the bolted fastening. This is exactly where we can help you: whether made of special materials such as high-temperature steels or with additional testing – we are your reliable partner!



STUDS AND STUD BOLTS

We supply studs to DIN 938 and DIN 939 as well as threaded bolts to DIN 976, DIN 975, ANSI B16.5, ASME B16.5 or to your individual specification. We also offer stud bolts which we can manufacture from virtually any material for a variety of applications – we are your connection!



SPECIAL REQUESTS

Whether mounting of assemblies, individual packaging, special marking and many other features – we can meet your special requirements!





BOLTS AND NUTS ACCORDING TO STANDARD WITH SPECIAL REQUIREMENTS

A different type of standard parts! With deviating geometries, thread lengths, special materials or surface treatments, with special inspection test certificates or material testing – you can count on us!

ALUMINIUM AND TITANIUM SCREWS

Aluminium makes life easier! Benefit from the properties of aluminium or learn more about titanium. We are the right contact for standard parts made of aluminium, high strength aluminium and titanium!

We can supply fasteners made of aluminium P60, P65, Sopral as well as titanium gr. 2 at short notice!



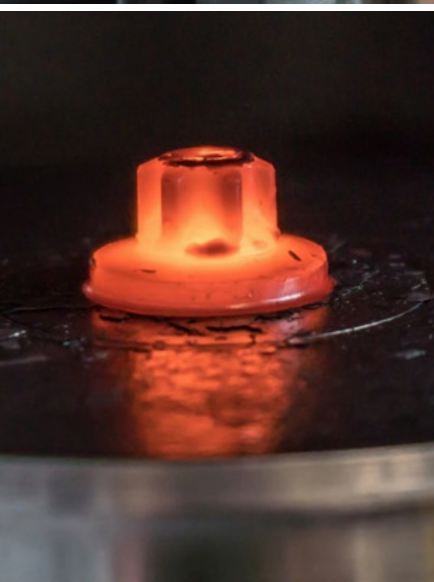
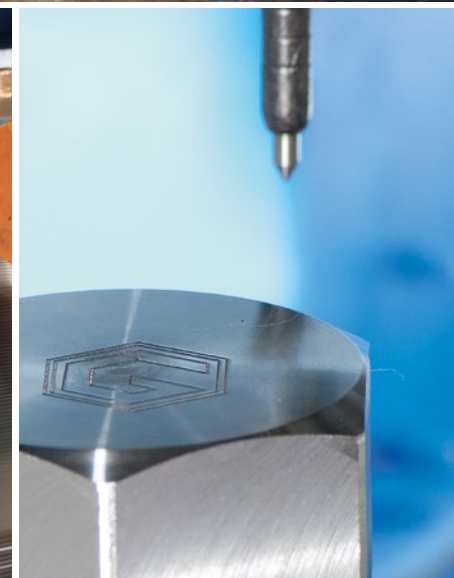
SURFACE

Galvanizing, nickel plating, hot-dip galvanizing, copper plating, Geomet® zinc flake coating, PTFE and many other coatings – we provide the right surface!





PRODUCTION



STATE-OF-THE-ART PRODUCTION

18 turning and milling centres, including 5 sliding head lathes, 3 thread rolling machines and 2 milling machines as well as 1 hot-forging press.



FLAWLESS RAW MATERIAL QUALITY

WHOEVER WANTS TO MANUFACTURE PRODUCTS OF EXCEPTIONAL QUALITY NEEDS OUTSTANDING RAW MATERIALS.

That is why we obtain our materials exclusively from certified steel suppliers and steel mills with the respective certification documentation. Upon receipt of the goods, we carry out a positive identification using x-ray fluorescence spectroscopy (XRF). If there are no defects or flaws, we mark and store the raw material separated by batches. To avoid contact corrosion,

we store austenitic and ferritic steel separately. High quality materials and efficient and sustainable production have a very high priority for us – see for yourself!



Information about materials
www.schraubenfibel.de

MATERIALS FROM A TO Z



Q & T STEELS

e.g. 1.7225 (42CrMo4), 1.7227 (42CrMoS4), 1.6580 (34CrNiMo8 V)



HIGH-TEMPERATURE AND EXTREME HIGH-TEMPERATURE STEELS

e.g. 1.1181 (YK), 1.7218 (KG), 1.7709 (GA), 1.7711 (GB), 1.4923 (V), 1.4980 (SD), 1.4986 (S), 2.4952 (SB)



LOW-TEMPERATURE STEELS

e.g. 1.5680 (KB), 1.7218 (KG), 1.4910



HEAT-RESISTANT STEELS AND NICKEL ALLOYS (according to EN 10095)

e.g. 1.4713, 1.4828, 1.4841, 1.4876 (Incoloy® 800), 2.4816 (Inconel® 600), 2.4851 (Inconel® 601), 2.4856 (Inconel® 625), 2.4951 (Nimonic® 75)



STAINLESS STEELS AND ACID-RESISTANT STEELS

e.g. 1.4301, 1.4541, 1.4401, 1.4571 (A2, A3, A4, A5), 1.4057 (C3-80), 1.4529, 1.4539 (Uranus B6)



HIGHLY CORROSION-RESISTANT NICKEL MATERIALS

e.g. 2.4375 (Monel® K 500), 2.4602 (Hastelloy® C-22), 2.4610 (Hastelloy® C-4), 2.4952 (Nimonic® 80A), 1.4547 (254 SMO®)



DUPLEX AND SUPER DUPLEX STEELS

e.g. 1.4410 (SAF 2507®), 1.4460 (AISI 329), 1.4462 (SAF 2205®), 1.4501 (Zeron 100®)



AMERICAN MATERIALS

e.g. according to ASTM, ASME, ANSI, AISI



NON-FERROUS MATERIALS

e.g. brass, copper, bronze, aluminium, titanium and many others



100 TONS

We keep more than 1,000 different raw materials and dimensions with a total weight of over 100 tons in stock.



PLENTY OF PROOF OF OUR QUALITY

QUALITY IS NOT ONLY EVIDENT IN EVERY DETAIL OF OUR PRODUCTS BUT ALSO IN OUR SERVICE, OUR PRODUCTION AND OUR EMPLOYEES.

Our durable, high precision products are the best proof of the high level of quality at Güldner. In addition to this, our quality claim also becomes evident in a remarkable number of certificates and approvals which set us apart from our competitors. Which certificates and approvals are we talking about specifically? See for yourself:

- TÜV approved manufacturer according to **AD2000-Merkblatt W0 / TRD 100**
- QM system according to **ISO 9001, Pressure Equipment Directive 2014/68/EC** and **ATA 1401**
- Accredited manufacturer according to the regulations of **Germanischer Lloyd**
- Manufacturer approved by TÜV according to **VdTÜV-Merkblatt 1253-4**

On request, we can supply an inspection test certificate according to EN 10204 - 2.2, 3.1 or 3.2 for all products. Inspection test certificates according to 3.2 can be provided in line with the requirements of TÜV, GL, BV, LR, RINA and to customer specifications or official regulations. We offer industry-specific special screws with the highest level of quality – trust in over 35 years of experience!

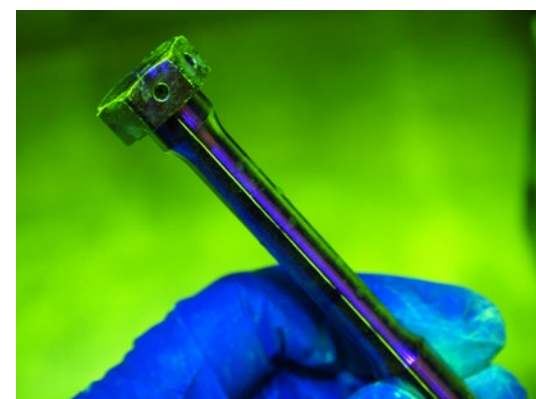
HIGH QUALITY
MADE IN GERMANY



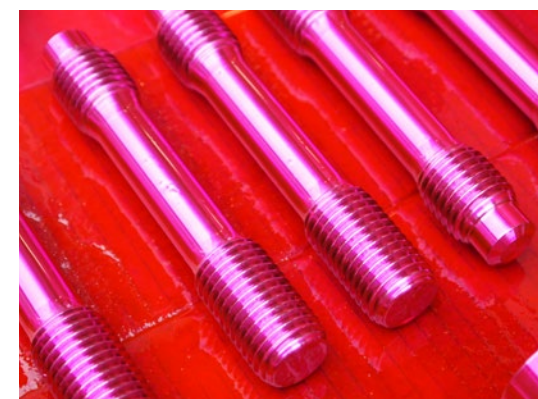
PERFECT PRODUCT QUALITY

WE LIKE IT PRECISE

A variety of different requirements and various areas of application require extensive testing. Güldner can carry out these tests directly at the in-house test laboratory:



MT testing / magnetic particle inspection



PT testing / dye penetrant testing



Tensile test



Positive material identification testing



2,000 m² FLOOR AREA
Our production area at the Niederstetten plant comprises 2,000 square metres.



LOGISTICS SERVICES

SPECIAL TREATMENT? WE TAKE CARE OF THAT.

Customised products require customised logistics. No problem!
With a warehouse area of 1,500 m² we can offer the following logistics solutions:

Framework orders

We produce your annual requirement and stock it at our warehouse. This allows you to conveniently call off the required quantities.

Consignment stock

On agreement, we can build up a consignment stock for you. This allows you to place your orders flexibly.

Urgent requirements

You have an urgent requirement and need the special parts faster than within the standard delivery time? Please contact us! We are happy to help with express production!

Packaging

Whether you would like individual packaging for your products, particularly safe transport with shipping in thread protection nets or special conservation – our logistics team can help you!

Express deliveries

We work with different express couriers to offer you the fastest transport times.



express



WAREHOUSE AREA

Stocking framework orders is not a problem for us with over 700 pallet locations and 1,500 m² of warehouse floor area.

MATERIALS OVERVIEW

HEAT-RESISTANT STEELS

	MATERIAL	ID	SYMBOL	AISI / ASTM	AD-2000	STANDARD
1.200 °C	2.4851	NiCr23Fe	-	Alloy 601	-	DIN EN 10095
	2.4889	NiCr28FeSiCe	-	Alloy 45 TM	-	DIN EN 10095
1.170 °C	1.4854	X6NiCrSiNc35-25	-	-	-	DIN EN 10095
1.150 °C	1.4762	X10CrAlSi25	-	-	-	DIN EN 10095
	1.4872	X25CrMnNiN25-9-7	-	-	-	DIN EN 10095
	1.4841	X15CrNiSi25-21	-	AISI 314	-	DIN EN 10095
	2.4816	NiCr15Fe	-	Alloy 600	-	DIN EN 10095
	2.4951	NiCr20Ti	-	Alloy 75	-	DIN EN 10095
1.100 °C	1.4821	X15CrNiSi25-4	-	-	-	DIN EN 10095
	1.4876	X10NiCrAlTi32-21	-	Alloy 800	-	DIN EN 10095
1.050 °C	1.4845	X8CrNi25-21	-	AISI 310 S	-	DIN EN 10095
	1.4835	X9CrNiSiNc21-11-2	-	AISI 253 MA	-	DIN EN 10095
1.000 °C	1.4828	X15CrNiSi20-12	-	AISI 309	-	DIN EN 10095
	2.4856	NiCr22Mo9Nb	-	Alloy 625	-	DIN EN 10095
	1.4742	X10CrAlSi18	-	AISI 442	-	DIN EN 10095
	1.4736	X3CrAlTi18-2	-	---	-	DIN EN 10095
850 °C	1.4878	X8CrNiTi18-10	-	AISI 321 H	-	DIN EN 10095
800 °C	1.4713	X10CrAlSi7	-	-	-	DIN EN 10095
650 °C	2.4669	NiCr15Fe7TiAl	-	Alloy X-750	-	DIN EN 10269
	2.4952	NiCr20TiAl	SB	Alloy 80A	-	DIN EN 10269
	1.4980	X6NiCrTiMoVB25-15-2	SD	AISI 660	W2	DIN EN 10269
	1.4982	X10CrNiMoMnNbVB15-10-1	-	-	W2	DIN EN 10269
	1.4986	X7CrNiMoBNb16-16	E	-	-	DIN EN 10269

All information subject to change



HIGH-TEMPERATURE STEELS

	MATERIAL	ID	SYMBOL	AD-2000	STANDARD	EQUIVALENT
600 °C	1.4913	X19CrMoNbVN11-1	VW	-	DIN EN 10269	-
	1.7711	40CrMoV4-6	GB	-	DIN EN 10269	-
500 °C	1.4923	X22CrMoV12-1	V / VH	W7	DIN EN 10269	-
	1.7225	42CrMo4	GC	W7	DIN EN 10269	~ASTM A193 B7
	1.7709	21CrMoV5-7	GA	W7	DIN EN 10269	-
400 °C	1.4404	X2CrNiMo17-12-2	A4	W2	DIN EN 10269	~AISI 316 L
	1.4429	X2CrNiMoN17-13-3	-	W2	DIN EN 10269	~AISI 316 LN
	1.4571	X6CrNiMoTi17-12-2	A5	W2	DIN EN 10088-3	~AISI 316 Ti
	1.4541	X6CrNiTi18-10	-	W2	DIN EN 10088-3	~AISI 321
	1.4539	X1NiCrMoCuN25-20-5	-	W2	DIN EN 10088-3	~AISI 904 L
	1.7218	25CrMo4	CH	W7	DIN EN 10269	~SAE 4130
	1.7258	24CrMo5	G	-	withdrawn	-
	1.7219	26CrMo4	KA	-	withdrawn	-
	1.5511	35B2	YB	W7	DIN EN 10269	-
	1.1181	C35E	YK	W7	DIN EN 10269	-
350 °C	1.4548	X5CrNi CuNb17-4-4	-	-	WL 1.4548 part 2	~AISI 630 / 17-4 PH
	1.4542	X5CrNiCuNb16-4	-	-	DIN EN 10088-3	~AISI 630 / 17-4 PH
	1.1191	C45E	-	-	DIN EN 10269	-
300 °C	1.4401	X5CrNiMo17-12-2	A4	W2	DIN EN 10269	~AISI 316
	1.4301	X5CrNi18-10	A2	W2	DIN EN 10269	~AISI 304

	MATERIAL	SYMBOL	AISI / ASTM	STANDARD	EQUIVALENT
+150 °C	Strength class 12.9	12.9	-	DIN EN ISO 898-1	-
	Strength class 10.9	10.9	-	DIN EN ISO 898-1	-
-50 °C	Strength class 8.8	8.8	-	DIN EN ISO 898-1	-
	Strength class 5.6	5.6	-	DIN EN ISO 898-1	-

All information subject to change

LOW-TEMPERATURE STEELS

	MATERIAL	ID	SYMBOL	AD-2000	STANDARD	EQUIVALENT
-40 °C	1.6582	34CrNiMo6	-	-	DIN EN 10269	-
	1.6580	30CrNiMo8	-	-	DIN EN 10269	-
-60 °C	1.7218	25CrMo4	CH	W10	DIN EN 10269	~SAE 4130
	1.7258	24CrMo5	G	-	withdrawn	-
	1.7219	26CrMo4	KA	-	withdrawn	-
-100 °C	1.7225	42CrMo4	GC	-	DIN EN 10269	~ASTM A320 L7
-120 °C	1.5680	X12Ni5	KB	W10	DIN EN 10269	~SAE 2515
-196 °C	1.4301	X5CrNi18-10	A2	W10	DIN EN 10269	~AISI 304
	1.4307	X2CrNi18-9	A2	W10	DIN EN 10269	~AISI 304 L
	1.4401	X5CrNiMo17-12-2	A4	W10	DIN EN 10269	~AISI 316
	1.4404	X2CrNiMo17-12-2	A4	W10	DIN EN 10269	~AISI 316 L
	1.4980	X6NiCrTiMoVB25-15-2	SD	-	DIN EN 10269	~AISI 660
	2.4952	NiCr20TiAl	SB	-	DIN EN 10269	~Alloy 80A
-270 °C	2.4669	NiCr15Fe7TiAl	-	-	DIN EN 10269	~Alloy X-750
	1.4429	X2CrNiMoN17-13-3	-	W10	DIN EN 10269	~AISI 316 LN
	1.4910	X3CrNiMoBN17-13-3	-	W10	DIN EN 10269	-

All information subject to change



MATERIAL VARIETY

By the way – we also have experience with manufacturing fasteners from tungsten, tantalum and other special materials.





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