



KÖCO
KÖSTER & CO

KÖCO – SAFETY AND INNOVATION

SAFETY AND INNOVATION MEANS FOR YOU ...

BUILDING CONSTRUCTION 04



BRIDGE AND STEEL CONSTRUCTION 05



MOBILITY / VEHICLE CONSTRUCTION 06



MOBILITY / RAILROAD VEHICLE CONSTRUCTION 07



SHIPBUILDING 08





PLANT CONSTRUCTION /
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Intelligent solutions for world-wide dependability in building construction.



Shear studs

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All around the world the name KÖCO stands for safe and economical solutions in construction with concrete bondings. As specialist in the field of studs and stud welding, we are in a position to offer you in excess of 50 years of a wide-ranging performance portfolio of studs for steel, building and bridge construction. We know that the dependability of our product is decisive for the necessary safety of your projects. With this in mind, we have focussed our efforts and guarantee you every time the safe fulfilment of all technical requirements through qualitative high-value and long-life studs as well as stud welding machines.

With our engineer-related technical know-how, we can accompany you through the whole process and see the problems through for you- exactly as you want. Over the years we have acquired a large number of certifications, some of which cover international standards. Even country-related specifications and requirements in & around material are taken into account and implemented.

KÖCO Stud welding technology for building construction

- Safe, dependable and economical solutions
- KÖCO develops individual country-specific studs for every demand
- Using its own construction, KÖCO produces exact tailor-made stud solutions according to demand
- CE-conforming studs & many certifications such as ETA -03/0039
- KÖCO's guarantee: qualitative high-value and long-life studs as well as stud welding machines every time and everywhere

Products

- Shear studs
- Stud welding machines
- Threaded studs
- Consultation services
- Welding services
- Software StudCalc
- After-Sales-Service
- Automatic components to automated welding



New multi-storey car park in Arnhem, Netherlands



Welding of shear studs

Process know-how and quality for highest safety in bridge and steel construction.



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KÖCO Stud welding technology for bridge & steel construction

- Long-life and robust studs and stud welding machines
- High safety through process know-how and absolute quality
- Safe and precise maintenance of all technical specifications
- Easy to operate and high efficiency of the stud welding machines
- User-related technical consultation on-site

Products

- Shear studs
- Stud welding machines
- Threaded bolts
- Consultation services
- Welding services
- Software StudCalc
- After-Sales Service
- Automatic components for automated stud welding

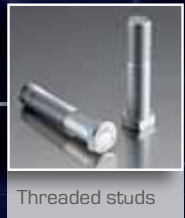


Bonded bridge BAB 1
„Ruhrthalbrücke“ in Hagen



Bonded bridge „Moerdijkbrug“
in the Netherlands

Long-living and robust for dependable mobility.



Threaded studs

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Here especially, when we talk about road & rail vehicle construction, we all speak about long service life and highest product safety. Whether threaded studs, high-tensile studs, welding machines or client-specific cold-formed parts – optimum dependability of the product is right in our focus. In our development & construction department, our engineers work together with you to find the right purpose-built item for your applications.

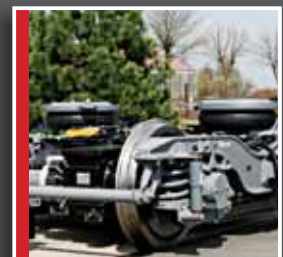
Our products have to undergo the most stringent quality controls as well as documentation commitments and can trace back the origins of raw materials. This gives you the security of a safe guarantee. We are fully aware that short-term and reliable delivery is essential, and therefore guarantee you the necessary fabrication & delivery flexibility through high production capacity and wide-ranging raw material store.

KÖCO Stud welding technology for vehicle construction

- Long-living and robust best-quality studs and stud welding machines
- Safe and precise maintenance of all technical specifications
- Special fabrications
- Tightest quality controls give the necessary safety
- Easy to operate and high efficiency of the stud welding machines
- User-related technical consultation for special fabrications

Products

- Cold-formed parts
- High-tensile studs
- Threaded studs
- Internally-threaded bushes
- Welding machines
- Consultation services



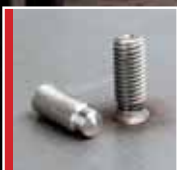
Threaded bolts in FLEXX compact bogie from the company Bombardier



Threaded bolts in the locomotive "Traxx" in Germany



Deployment of threaded bolts in trains world-wide



Threaded studs

Flexibility and dependability for world-wide guaranteed availability in shipbuilding.



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KÖCO stud welding technology stands for absolute dependability. As long-term partner to the shipbuilding industry, the safe fulfilment of all technical specifications and standards is a basic requisite and duty for us. We are able to produce a wide spectrum of threaded bolts for you in a variety of materials and accompanying characteristics and even supply the appropriate stud welding machine.

With our products, you are on the safe side of regulations, because with all bonding-related technical solutions and devices for shipbuilding from the house of KÖCO you expect and get excellent quality – fast, flexibly and with high diligence to deliver. For products, which exactly fill your requirements.

KÖCO Stud welding technology for Shipbuilding

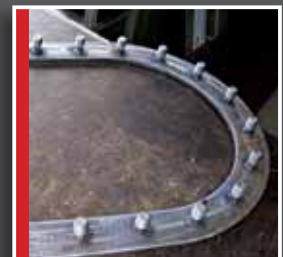
- Wide-ranging portfolio on threaded bolts in a variety of materials and accompanying characteristics
- Welding machines in robust design for heavy steel & shipbuilding construction
- Technical specifications and standards in shipbuilding are always fulfilled
- Application-related technical consultation and support on-location
- Highest flexibility in fabrication
- Rapid and delivery on schedule
- Sales & service through Hilbig GmbH, shipbuilding specialists

Products

- Stud welding machines
- Threaded studs
- Consultation services
- Welding services
- After-Sales Service



Mounting of straightening bridges on a ship segment



Threaded bolts around a manhole ring

Technical know-how for more efficiency and safety in plant & mechanical engineering.



Threaded bolts

With our many years of experience as partner for bonding solutions in plant & mechanical engineering, we can support you in achieving your goals in the development and implementation of your required studs and bonding elements.

Come to KÖCO for long-life studs and stud welding technology for plant construction. We are specialised in the precise fulfilment of all technical challenges and are in possession of detailed knowledge of your process chain. Our engineers have high consultancy & development skills, and together we can challenge and find individual product solutions.

In the course of this process, we look after planning, construction and implementation of bonding-related technical solutions, all under one roof. A large number of certificates confirm our quality and thereby give you the necessary safety.

KÖCO Stud welding technology for plant & mechanical engineering

- High-performance bonding technology for more efficiency and safety
- Dependable stud welding machines
- Most stringent quality security
- Individual product solutions
- Application-related technical consultation and assistance
- Rapid and on schedule delivery

Products

- Threaded bolts
- Internally-threaded bushes
- Stud welding machines
- Studs
- Consultation services
- Welding services
- High-tensile studs



Fixing of insulators to transformers

Intelligent products for highest stability and dependability in refractory construction.



Fire-proof anchoring elements

Even in the field of refractory applications, for example in kiln & furnace construction, we are also tuned in to our customers: special high temperature-resistant substances, fabricated in the highest quality and long-lasting.

We produce customised individual fire-proof anchoring elements with all necessary material characteristics and long-established technical process know-how. And of course we supply with short and flexible delivery times.

Our qualified and experienced teams of specialists produce high quality & precision with the help of modern machines. All this speaks for a dependable partner, when we are talking about fire-proof anchoring elements.

KÖCO Stud welding technology for refractory construction

- Wide-ranging portfolio in fire-proof anchoring elements
- High temperature-resistant materials
- Technical specifications and special demands are fulfilled at all times
- Application-related technical consultation and support on location
- Highest flexibility in fabrication
- Rapid and on schedule delivery

Products

- Fire-proof anchoring elements
- Stud welding machines
- Consultation services
- After-Sales Service



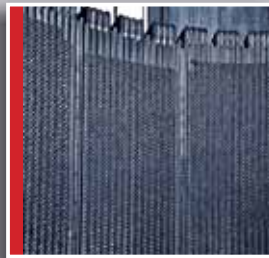
Deployment of wave anchors of the patented type KWA/R



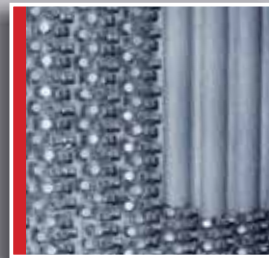
Welding-on wave anchors type KWA



Detail: welded furnace studs



Deployment of furnace studs
in the construction of a melting
chamber



Partly-studded furnace
segment



New construction of a round pipe-boiler

Absolute product reliability for permanent deployment in the generation of energy.



Anchor-plates
with shear studs

In the field of generating energy and power station construction, the most important aspect by far is absolute product safety. With this in mind, we produce one of the widest ranges of bolts and anchoring elements, all exactly to detail and individual stipulations, including process documentation for traceability in accordance with customer demands.

As partner for energy and power station construction, we are familiar with your needs and deal with such requirements even as far as the highest level. Through constant further development of our products, consequent quality control and with wide-ranging consultation services, we can offer you customized solutions for every assignment. Complete consultation through dialogue and getting the right product to you is top priority for us. Experienced help is always available: before, during and after the job in hand. Support on location is provided by our world-wide consulting network in more than 60 countries – we can get to you, no matter where you are.

KÖCO Stud welding technology for power station construction / generating energy

- Highest quality through permanent electronic monitoring of production processes
- Long-life and robust stud welding machines, on request with welding data documentation
- Safe & precise adherence to all technical stipulations
- Short and flexible delivery times within projects

Products

- Shear studs
- Stud welding machines
- Threaded studs
- Consultation services
- Welding services
- Software StudCalc
- After-Sales Service
- Automatic components for automated stud welding



Use of anchor plates for
atomic power station
construction

Absolute product reliability for permanent use in generating energy.



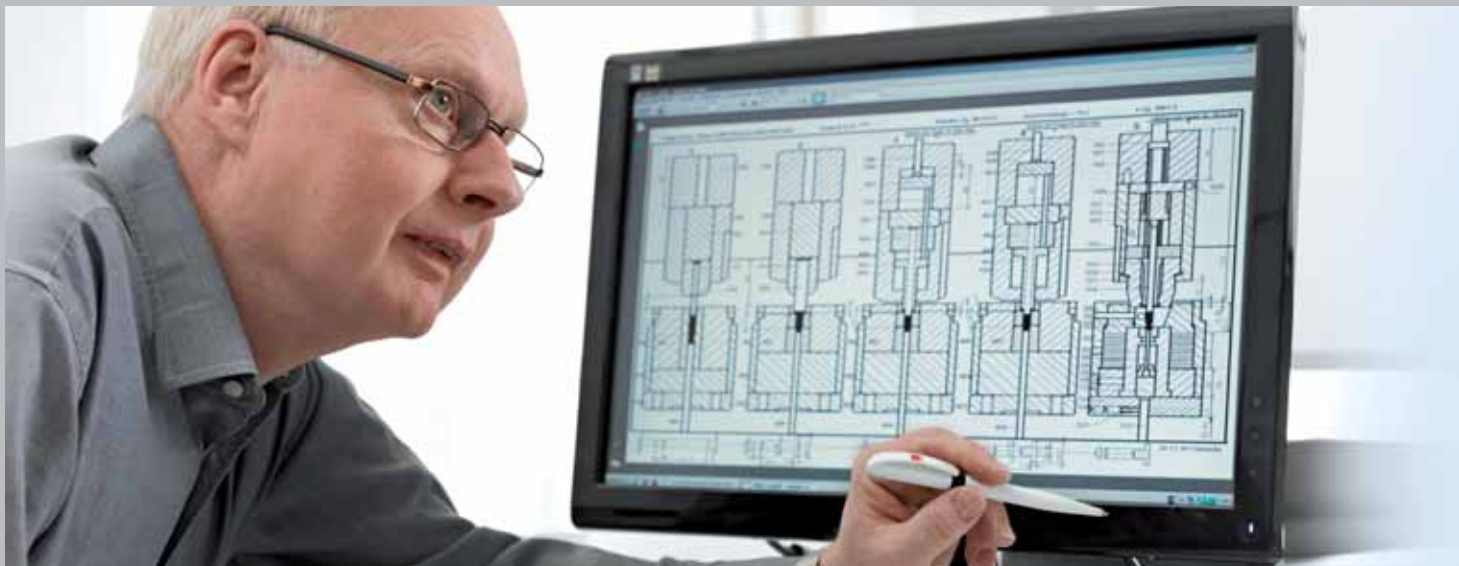
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KÖCO Stud welding technology for power station construction / generating energy

- Highest quality through permanent electronic monitoring of production processes
- Long-life and robust stud welding machines
- Easy to use with trained personnel
- High efficiency of stud welding machines
- Safe and precise adherence to all technical stipulations
- Usable with various material combinations
- Minimal or negligible effect on material (deformation, rear side etc.)
- Innovative stud welding machines with process control and welding data documentation
- Welding studs, cold-formed parts and bonding elements from own-production

Products

- Shear studs
- Threaded studs
- Stud welding machines
- Consultation and development services
- Welding services
- Software StudCalc
- After-Sales-Service
- Automatic components for automated stud welding



IDENTITY – OUR VALUES, YOUR SAFETY.

■ Solid innovation drives us on:

Using in-house developments, we solve bonding-related technical problems for clients in a wide range of fields. Through this fundament of technical know-how and the courage to create innovations, we pave the way for efficient solutions.



■ Safety characterises us:

One thing is certain- our product has to be reliable. This responsibility has got to be top priority. We guarantee the necessary safety through far-reaching material, product & process know-how as well as application-related technical support on location.



■ **Inquisitiveness leads to results:**

We have been, and are always open for something new, so challenges are most welcome. And if you want to be out there in front, then you do not think & act solution-related, you have to find the courage to tread new paths. We have the courage.

■ **Best-in-Class defines the future:**

This saying is put to the test on a daily basis for each and all our products. It is also the driving force for our corporate further development.



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