

THE SAF ECONNE CTION

SAFETY IS BEING ABLE TO DRAW FROM EXPERIENCE.

Erne Fittings was founded by the Erne family over 90 years ago and has remained a family business ever since. This solid foundation, continuity and personal commitment guarantee the trustworthiness and living partnership from which Erne customers benefit so much.

SAFETY IS BEING ABLE TO COUNT ON BOTH EXPERIENCE AND EXPER- TISE.



Erne Fittings utilises their passion and perfectionism to make safe pipe fittings for permanent welds for use in the construction of power stations, refineries, oil and gas plants, and in many other demanding applications. This has made the company the world's leading supplier of butt-weld fittings for the approved market, with its top-notch solutions, services and a wealth of fresh ideas.

Most notably, the company fully understands the respective requirements and applications of the customer, in addition to its extensive production program. Erne Fittings has decades of successful project experience at its disposal, as well as a company philosophy in which honesty, quality, customer orientation and respect are values we practise. This fundamental approach and a willingness to always go beyond customer expectations ensure not only that functional solutions are produced, but always lead to a certain good feeling too: safety in the knowledge that you have made the right decision in choosing Erne Fittings. That's why Erne Fittings is „the safe connection“.





SAFETY IS WHEN QUALITY INVOLVES MORE THAN JUST THE PRODUCT.

Anyone wanting to ensure they are still among the best tomorrow, must endeavour to improve themselves today. That's why Erne Fittings' quality is not simply restricted to the products – it affects all areas.

It starts with the selection of the right partner, as well as efforts to make improvements on a continual basis and ongoing quality processes. All production methods used by Erne Fittings place very high demands on the input material, most notably in terms of surface quality and mouldability. To cope with these demands, the company has built up long-term relationships with its suppliers.

These tough demands do not stop there, as they also apply to the production process and thorough inspection of each individual product. Erne's quality management processes and testing laboratory, itself fitted with state-of-the-art equipment, set new industry standards. Employees with the best training possible

(qualified to level 3 according to EN 473 and SNT-TC-1A) help the company ensure that customer objectives and requirements are met.

Nothing can replace people and their experience – not even the very best technology. With this statement in mind, Erne Fittings work on quality every day: intensive training programs, an in-house Erne Academy, not forgetting a company attitude which ensures people think outside of the box on a daily basis. This results in innovations and new solutions, which are all part of Erne's company culture. Erne Fittings and its good reputation have represented this for over 90 years.

Non-destructive materials testing at Erne Fittings involves the following test methods:

NON-DESTRUCTIVE TEST METHODS

- > magnetic particle testing
- > dye penetrant testing
- > ultrasonic testing
- > visual inspections



SAFETY IS NOT ONLY KEEPING PROMISES, BUT GOING OVER AND BEYOND THEM.

In most cases, fittings are merely a small but very important part of a bigger scheme. Reliability is a must. However, efficiency and effectiveness are only possible if all the cogs are turning together at the right time.

Since very early on, Erne Fittings has endeavoured to provide its customers with a broad stock program, and to keep this available at all times and in sufficient quantities. With four production sites across Germany, Austria and Saudi Arabia and a fully automated high-rack shelving warehouse for around 10,000 storage spaces and over 3,000 items, Erne Fittings guarantees its customers availability of more than 95% for the entire stock program. Reliable deliveries have become an Erne Fittings hallmark. Customers receive everything from one source, and at the agreed time. Specific logistical solutions such as the 24-hour delivery

guarantee for Central Europe or fully automated warehouse connections are unique in the industry and emphasise Erne Fittings' position as a premium supplier.









SAFETY IS WHEN ALL BASES ARE COVERED.

As a premium brand, Erne Fittings sets international quality standards for butt-weld fittings. Thanks to high technological expertise in moulding, heat treatment and weld-end preparation, as well as intensive research efforts and efficient production processes, extraordinary solutions can be delivered very quickly.

Erne customers have a particularly wide and varied production program at their disposal. A large range of materials with different dimensions can be processed thanks to the world's largest tool park and an extensive machine park. The challenge posed by special solutions is something Erne counters with their flexibility, expertise and experience. Elbows, tees and reducers are the product of this process, all of which are highly valued by customers around the world, who appreciate the precise processing and the high quality of materials.

THE OPTIONS:

DIMENSIONS

> ½" – 40" / 21.3 mm – 1016 mm

INPUT MATERIALS

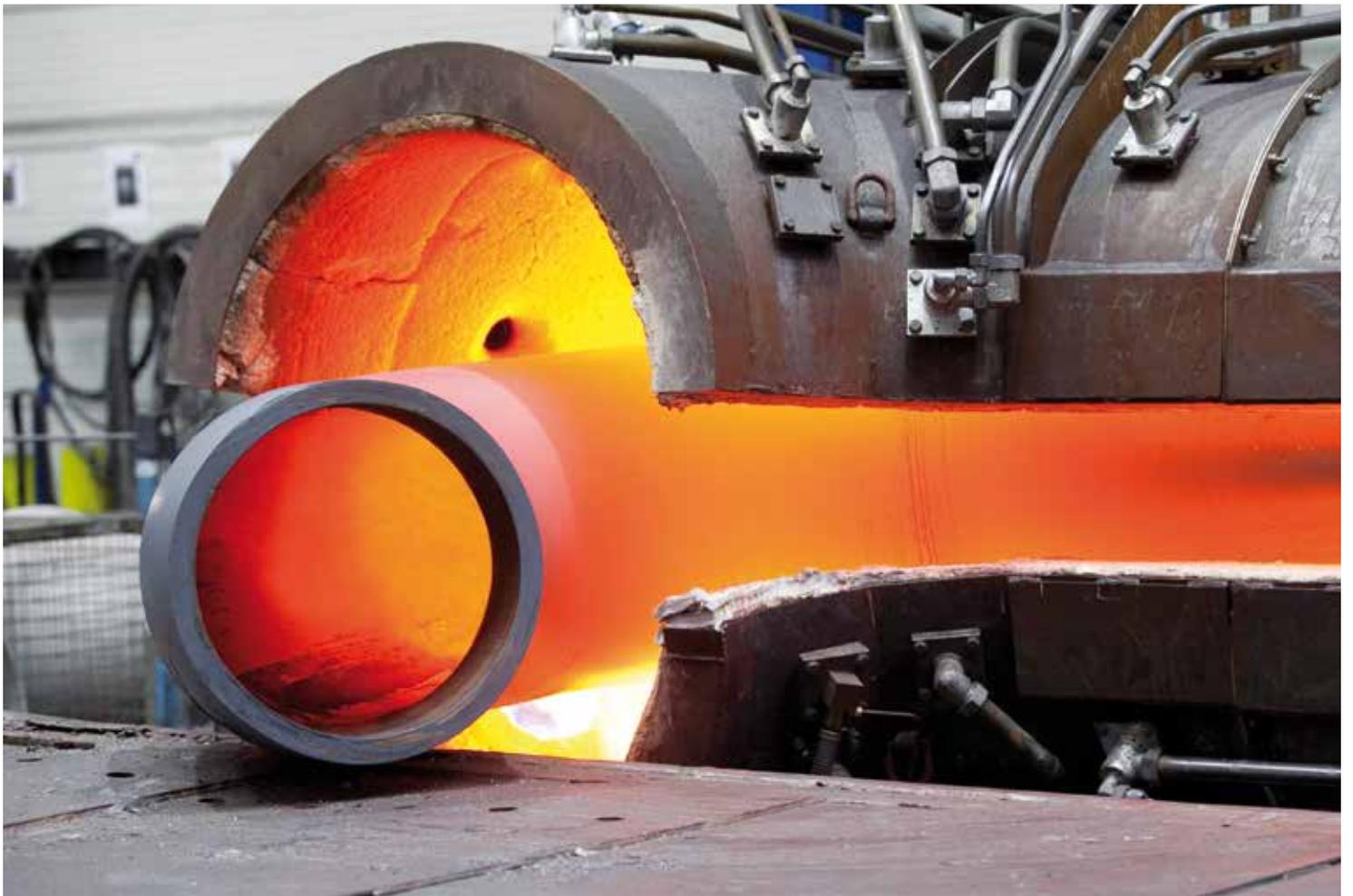
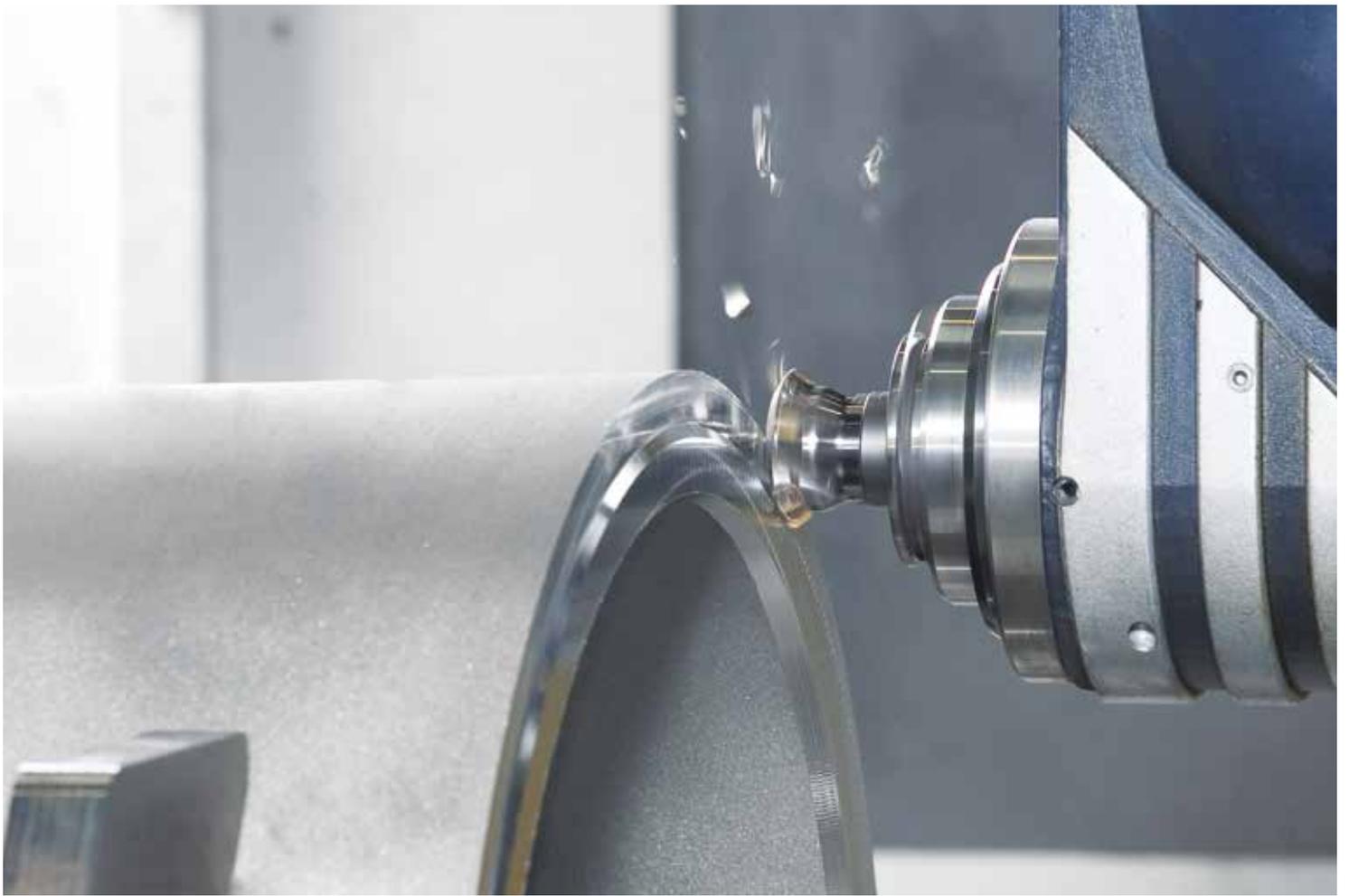
> Seamless and longitudinally welded pipes/
forged sleeves

MATERIALS

> Unalloyed steels	> Alloyed steels
> Stainless steels	> Duplex steels
> Ni-alloys	> Copper alloys
> Titanium	> Aluminium alloys

MOST IMPORTANT PRODUCT STANDARDS

> EN 10253
> NF A 49–281, A 49–289
> BS 1640, 1965
> ASME B 16.9
> ASME/ASTM A 234, A 420, A 403
> MSS SP 75
> CSA Z245.11

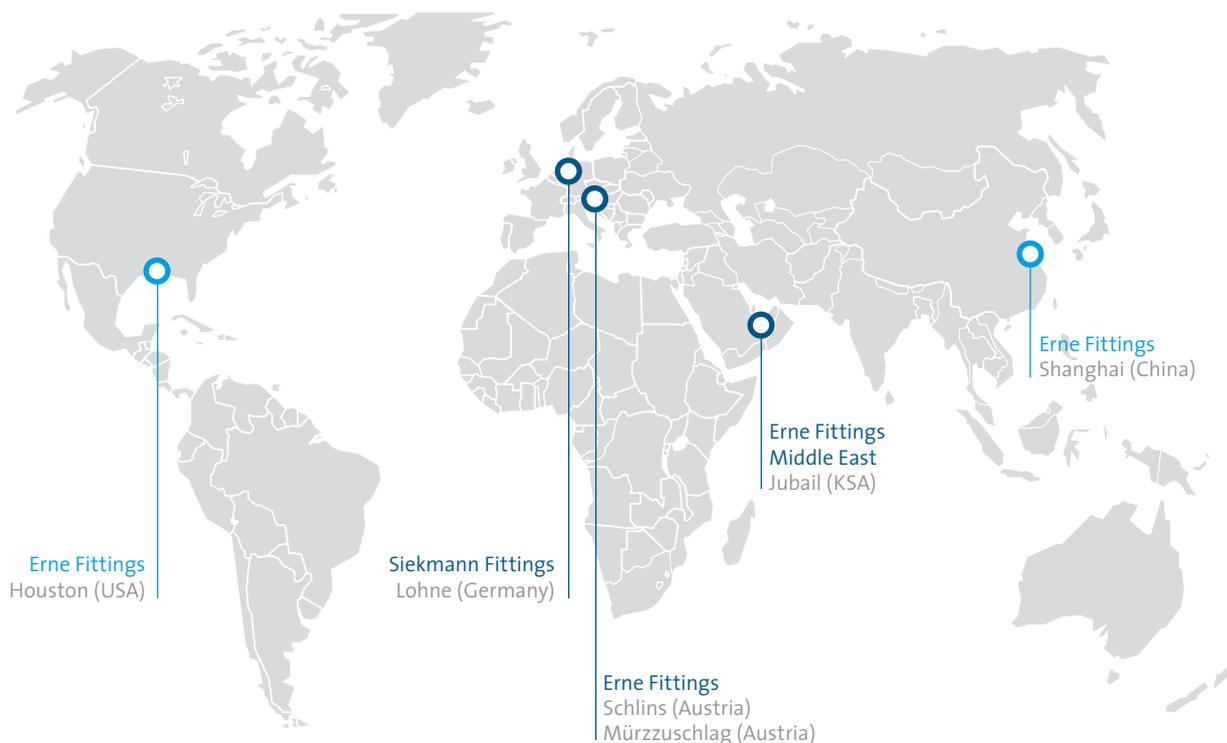




SAFETY IS PUSHING BOUNDARIES IN YOUR THINKING.

As part of the Erne Group, Erne Fittings has a presence on several continents, and as such has operations in the USA, Europe, the Middle East and Asia. Their passion for metal and perfection have made this long-established company, based in Austria, what it is today:

the world's leading manufacturer of pipe fittings for permanent welds and part of an internationally growing group of companies with an extensive distribution network. Thanks to the global presence of the company, customers benefit from the experience Erne gains working on countless international projects in the fields of power station and refinery construction, pipelines and gas plants. This expertise combined with supreme quality have helped Erne Fittings to develop a reputation as the premium supplier for the approved market.



SAFETY IS WHEN EVERY- THING IS SET OUT IN BLACK AND WHITE.

As the saying goes: Trust, but verify. In Erne's case, this means: trust can only be built through ongoing perfection and quality assurance. That's why many customers insist on having their own specifications, which then have to be met.

That's not an easy task, especially not on a global scale. And yet Erne Fittings has received glowing reviews for many decades when it comes to meeting standards and adhering to specifications. The company has, however, made it their business to go above and beyond these requirements; they have certifications and customer approvals at a level that is second to none. The key role the company plays on many international standards committees is a further indication of the professionalism of Erne Fittings in this field.

Erne Fittings has obtained a broad range of safety-related approvals, including the following:

EXCERPT CUSTOMER APPROVALS

> ADMA-OPCO	> NOROK
> Areva	> ONGC
> BASF	> Petrobras
> China Nuclear	> Qatar Petroleum
> Safety Bureau	> Saudi Aramco
> The Dow Chemical	> SHELL
> Company	> Statoil
> ExxonMobil	> Spectra Energy
> GDF SUEZ	> WACKER CHEMIE AG
> Kinder Morgan	> Williams

EXCERPT CERTIFICATIONS

> EN ISO 9001
> PED 97/23/EC
> AD Merkblatt 2000
> Germanischer Lloyd
> Canadian Registration







SAFETY IS SPEAKING THE SAME LANGUAGE.

EXCERPT CUSTOMER REFERENCES

ABB, ADGAS, ADMA OPCO, ADNOC Group of Companies, Agip KCO, Alstom, AREVA, Babcock & Wilcox, Balcke-Dürr, BASF, Bayer, BEB, Bechtel, BHEL, BHR Hochdruck Rohrleitungsbau, Bocard, BOTAS, BP, CB&I, Chevron, CHIYODA, Conoco-Philips, Daelim, Doosan, The Dow Chemical Company, El Paso, E.ON Ruhrgas, Engineers India Limited, EnBW, Enterprise Products, ExxonMobil, Fives Nordon, Foster Wheeler, Flour, GASCO, GDF SUEZ, Hyundai, ICA Fluor Daniel, ILF, JGC, Integral-Montage, KBR, KNPC, Kraftanlagen München, Kuwait Oil Company, Kvaerner, Larsen & Toubro, LOGSTOR, Lurgi, McDermott, MOL Austria, MW Kellogg, NAM BV, Nordon, Norsk Hydro, OMV, ONGC, PDO, PDVSA, PEMEX, Petrobras, Petrofac, PETRONAS, PGNiG, Qatar Petroleum, QATARGAS, Reliance Industries Limited, RWE, Saipem, Samsung, Saudi Aramco, SHELL, Siemens, Snam Rete Gas, Statoil, SUNCOR, Syncrude, Techint, Technip, TOTAL, Transgaz, Uhde, VAM Anlagentechnik und Montagen, WACKER CHEMIE AG

Nowadays, technology and quality are something you can buy almost anywhere. The experience backing this up, however, cannot always be bought. What's more, it is even less likely that you'll encounter this in person and in the relevant local language. That's why having a friendly and competent employee on-hand around the clock to give advice to customers is fundamental to Erne Fittings' operations.

Personal relationships, readily available information, an immediate presence in close proximity to the customer – all these factors are an important part of the company and enable people to understand the significance of quality and working in partnership. Erne Fittings works exclusively with its own sales staff. They speak over 15 languages between them and are on hand every day to assist customers from around the world. With these employees, Erne Fittings is justified in its assertion that the company is well informed of its customer's applications, is familiar with their requirements and is supporting them on-site in the best way possible.

SAFETY IS WHEN YOU FIRST VERIFY, THEN TRUST.



With decades of experience and many successful projects around the world behind them, Erne Fittings is now the number one butt-weld fittings company. Specific focal points include applications with complex requirements, such as the gas and nuclear power sectors, for which Erne Fittings keeps professional project management systems at hand.

In addition to its tool park, which is the world's largest, and a uniquely broad product range, Erne Fittings is one of the few suppliers to offer a professional project management system with standardised work instructions and checklists, which are all IT-supported, field-tested and ultra-modern. Not only does this ensure that all quality-related methods are accurate in practice, from the planning stage right through to the conclusion of a project, it also documents all the work that has been carried out, without any gaps. Surefire proof that Erne Fittings is "the safe connection" – good feeling included.





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