

# STAINLESS STEEL



THE BETTER CONNECTION

## Stainless Steel products from BRÜCK

Seamless rolled products such as Flanges, Rings, Longwelding Neck Flanges as well as Special Forgings according to our customers' drawings made in a variety of different stainless steel grades are BRÜCK's well reputed specialty.

- Within BRÜCK, emphasis is put on offering an unique service to our worldwide customers: a series within BRÜCK starts to be a series from 1 (one!) piece onwards, also in "exotic" stainless steel grades.

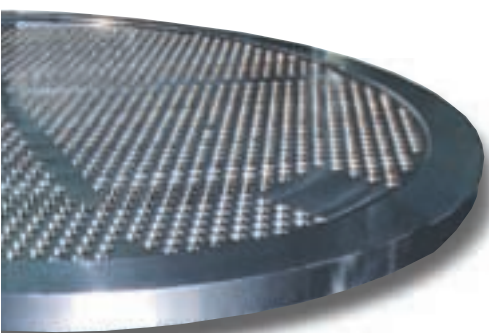
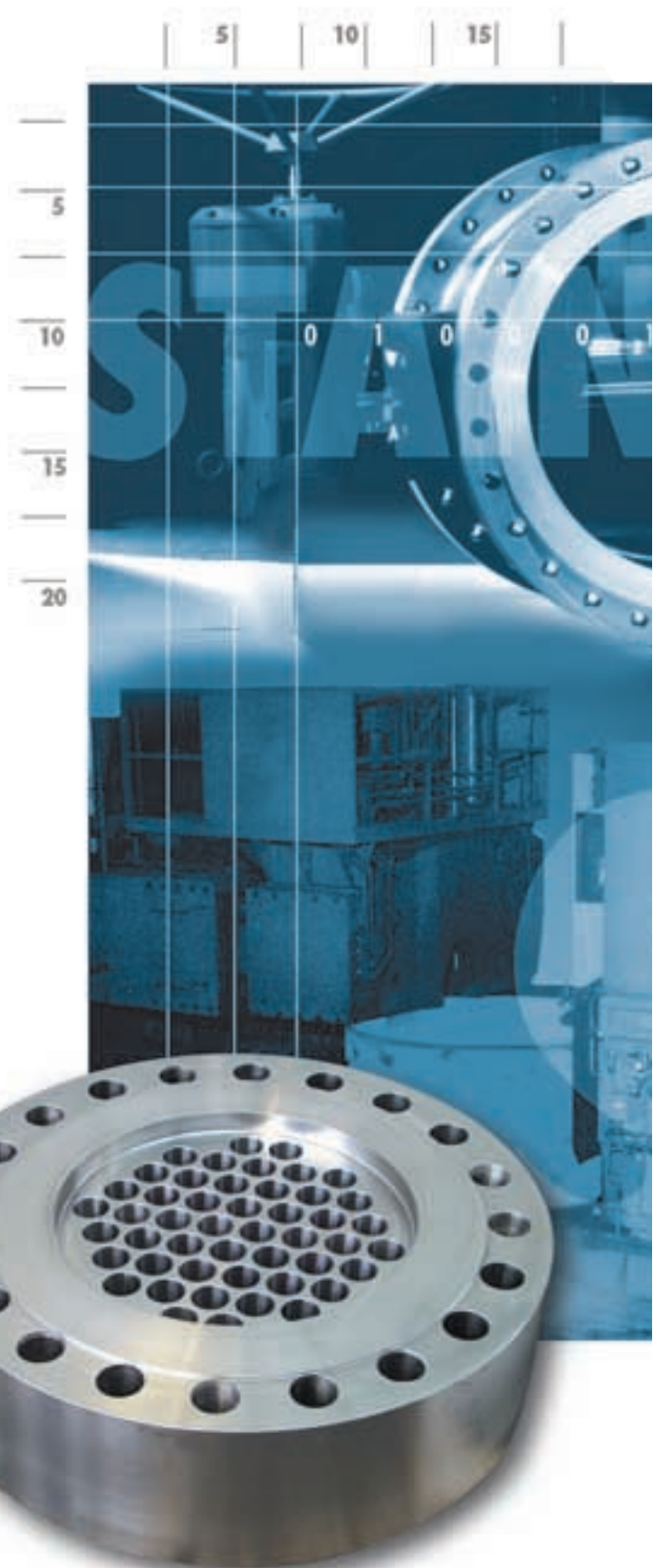
**BRÜCK offers comprehensive Stainless Steel expertise in producing:**

- Flanges in various stainless steel grades of nominal sizes up to 115", up to pressure ratings of 550 bars.
- Seamless rolled rings up to 4500 mm circular diameter and 20 tons unit weight.
- Open dye forgings up to 16 to unit weight.
- Nozzles, seamless flanged pipes, forged tubes and bends, dished ends, caps etc. all in various stainless steel grades.

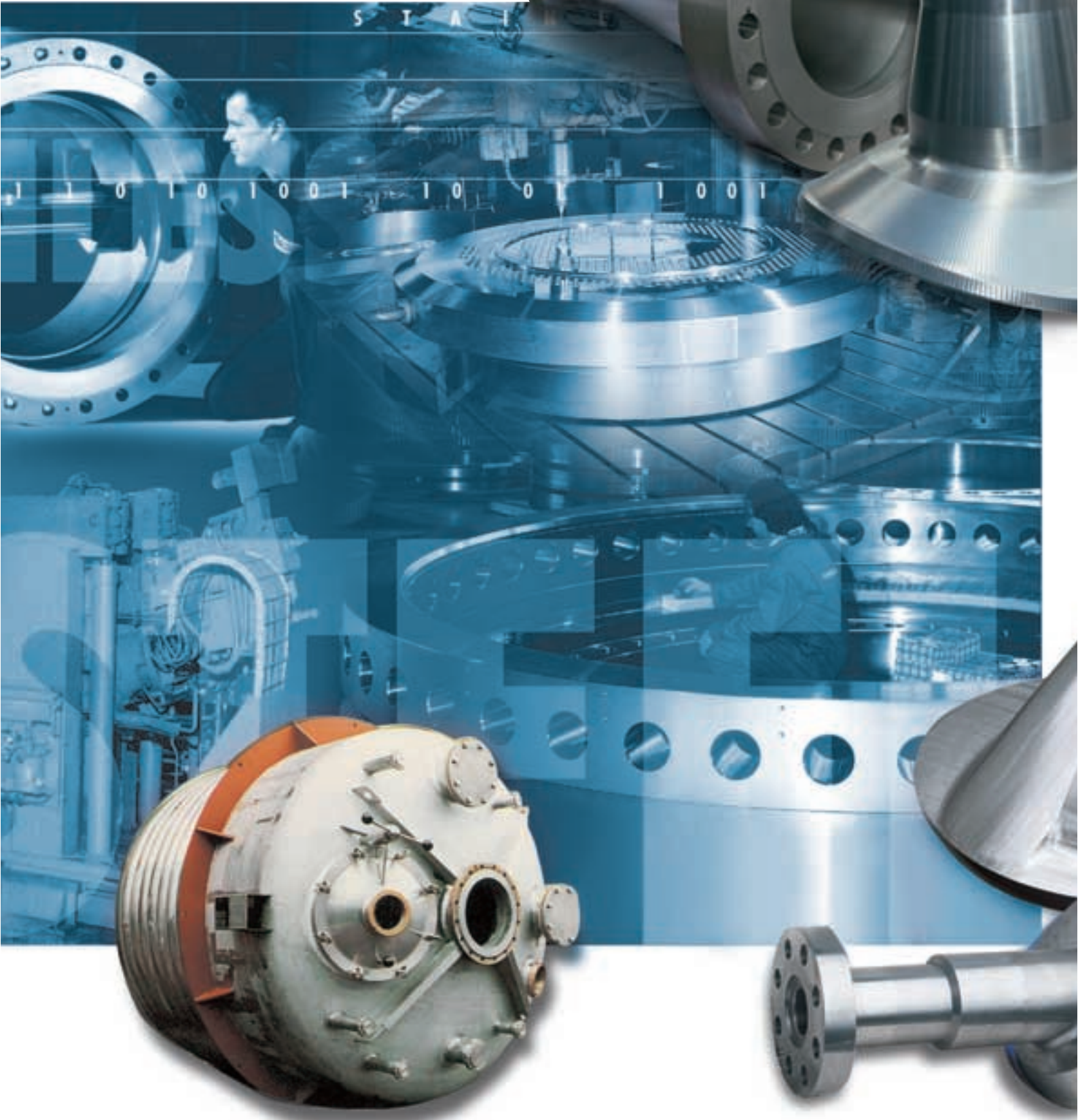
## BRÜCK Express Delivery Service

Stainless steel flanges according to DIN, ASME, NF, BS or any other internationally renowned standard are being produced by BRÜCK within 10 working days upon request, regardless of how many pieces are required, which size or weight the customer is requiring or which material grade is concerned.

Please consult our Express Delivery Service Team: Thorsten Tintinger/Carsten Gauer  
Telephone: ++49 (0)68 93-84 114 or 84 125  
Telefax: ++49 (0) 68 93-84 149  
E-mail: [brueck.lager@t-online.de](mailto:brueck.lager@t-online.de)



# STAINLESS STEEL

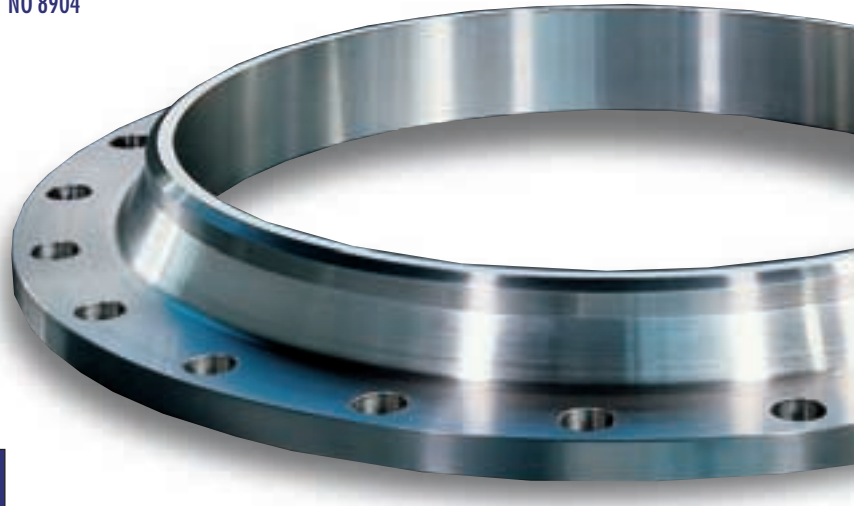
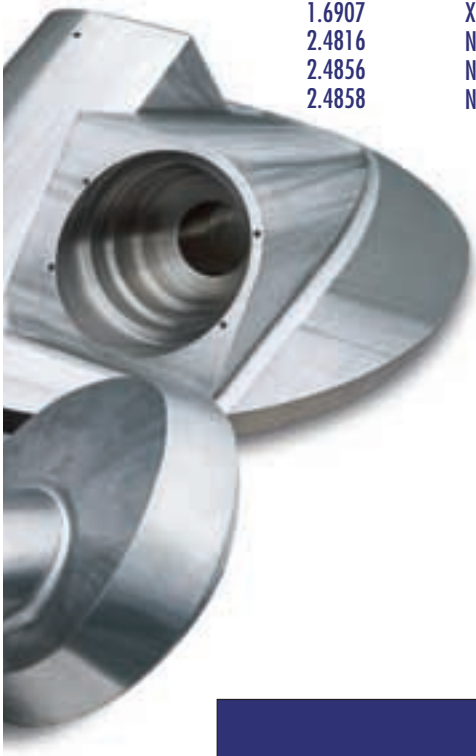


# STEEL GRADES

## Stainless Steel Grades

The following material grades are continuously held available with BRÜCK stockwise and can be supplied immediately (under reserve of intermediate sale):

German nomenclature		American nomenclature	British nomenclature	French nomenclature
Mat.-Grade	Short name			
1.4002	X 6 CrAl 13 G	A 403 CR 304 / H	304 S11	BFZ 3 CN 19-09
1.4006	X 12 Cr 13	A 403 CR 316 / L / H	304 S31	BFZ 3 CND 17-11-02
1.4021	X 20 Cr 13	A 403 CR 321 / H	304 S51	BFZ 6 CN 18-09
1.4034	X 46 Cr 13	A 403 CR 347 / H	316 C12	BFZ 6 CND 17-11-02
1.4057	X 17 CrNi 16 2	A 403 FP 347 / H	316 S11	BFZ 6 CNDT 17 12
1.4301	X 5 CrNi 18 10	A 403 WP 304 / HS / S	316 S13	BFZ 6 CNT 18-10
1.4306	X 2 CrNi 19 11	A 403 WP 316 / S / LS / HS	316 S14	BFZ CNDNB 18-12
1.4311	X 2 CrNiN1810	A 403 WP 321 / S / HS	316 S17	Z 10 C 13
1.4313	X 3 CrNi 13 4	A 403 WP 347 / S / HS	316 S19	Z 10 NC 32-21
1.4401	X 5 CrNiMo 17 12 2	A 430 FP 321 / HS	316 S31	Z 15 Cn 16 02
1.4404	X 2 CrNiMo 17 12 2	A 965 F 304 / L / H	316 S33	Z 2 CN 18-10
1.4435	X 2 CrNiMo 17 12 2	A 965 F310	316 S42	Z 2 CND 17-11
1.4436	X 3 CrNiMo 17 13 3	A 965 F316 / H / L	316 S51	Z 2 CND 17-12
1.4439	X 2 CrNiMoN 17 13 3	A 965 F321 / H	318 S13	Z 2 CND 18-13
1.4462	X 2 CrNiMo 22 5 3	A 965 F347 / H	318 S17	Z 2 NCDU 25-20
1.4501	X 20 CrNiMoCuWN 25 7 5	SA / A 182 F304 / L / H / LN	320 S18	Z 20 C 13
1.4529	X 1 CrNiMoCuN 25 20 7	SA / A 182 F310	320 S31	Z 3 CN 19-11
1.4536	X 2 NiCrMoCuN 25 20	SA / A 182 F316 / H / L	321 S51	Z 3 CND 17-12-03
1.4539	X 1 NiCrMoCu 25 20 5	SA / A 182 F317 / L	321 S51-490	Z 3 CND 22 05 AZ
1.4541	X 6 CrNiTi 18 10	SA / A 182 F321 / H	321 S51-510	Z 4 CND 13.4 M
1.4547	X 1 CrNiMoCuN 20 18 7	SA / A 182 F347 / H	347 S20	Z 6 CN 13-4
1.4550	X 6 CrNiNb 18 10	SA / A 182 F 44	347 S31	Z 6 CN 18-09
1.4571	X 6 CrNiMoTi 17 12 2	SA / A 182 F51	347 S51	Z 6 CND 18-12-03
1.4580	X 6 CrNiMoNb 17 12 2	SA/A 182 F55		Z 6 CNDT 17-12
1.4876	X 10 NiCrAlTi 32 20 H	SA 182 F316 Ti		Z 6 CNNb 18-10
1.4878	X 12 CrNi 18 9	SA 182 F317 Ti		Z 6 CNT 18-10
1.4910	X 3 CrNiMoN 17 13	SA 336 F304 / L / H		Z 7 CND 18-12-03
1.4948	X 6 CrNi 18 11	SA 336 F310		Z 8 CA 13
1.6907	X 3 CrNiN 1810	SA 336 F316 / H / L		Z 8 CD 17-01
2.4816	NiCr 15 Fe	SA 336 F321 / H		
2.4856	NiCr 22 Mo 9 Nb	SA 336 F347 / H		
2.4858	NiCr 21 Mo	NO4400		
		NO6625		
		NO 8367		
		NO 8800		
		NO 8810		
		NO 8811		
		NO 8825		
		NO 8904		



## Quality approvals

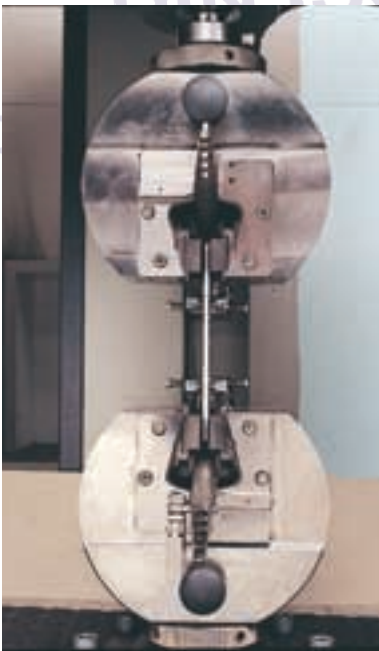
BRÜCK is holding major classification approvals and homologations by internationally renowned inspection bodies such as Det Norske Veritas, Lloyd's Register of Shipping, American Bureau of Shipping, Stoomwezen, Germanischer Lloyd, Bureau Veritas, NORSOK, SHELL Material Services, ARAMCO, STATOIL, SVDB, EDF Electricité de France, TÜV AD-W procedures and many others.

BRÜCK is certified according to DIN EN ISO 9002 Quality procedures by TÜV; stringent inspection routines up to non-destructive testing Level III are being respected during production inhouse.

## Quality assurance – the BRÜCK way!

According to our customers' request and beyond standard examination procedures prescribed in EN 10204, the following tests can complete the range of tests and examinations which BRÜCK resp. an independent 3rd party is performing.

1. Charpy V-Notch testing even at extra low temperatures
2. Corrosion test including IG crack corrosion testing acc. to ASTM
3. A 262 Practice E and DIN EN ISO 3651-2
4. Pitting corrosion test ASTM G48
5. Ferrite content check
6. Grain size determination
7. Liquid penetrant examination
8. Eddy current testing
9. Ultrasonic inspection



## Headquarters

BRÜCK GmbH Ensheim  
Brückstraße 16  
D-66131 Saarbrücken  
Tel. +49 (0)6893 - 84-0  
Fax +49 (0)6893 - 84-258  
eMail:  
vertrieb@bruck-forgings.com  
export@bruck-forgings.com  
Internet:  
<http://www.bruck-forgings.com>



BRÜCK Vertriebsbüro Frankfurt  
Im Rod 60  
D-64569 Nauheim/Germany  
Tel. +49 (0)6152 - 859817  
Fax +49 (0)6152 - 859818  
eMail: [frankfurt@bruck-forgings.com](mailto:frankfurt@bruck-forgings.com)

## Branches

BRÜCK Rohrverbindungen GmbH  
Mühlenbachweg 26  
D-40724 Hilden/Germany  
Tel. +49 (0)2103 - 241424  
Fax +49 (0)2103 - 241222  
eMail: [hilden@bruck-forgings.com](mailto:hilden@bruck-forgings.com)

BRÜCK AM, Spol s.r.o.  
CR-56543 Zámrsk 10  
Czech Republic  
Tel. ++420 468-581136  
Fax ++420 468-581285  
eMail: [cz@bruck-forgings.com](mailto:cz@bruck-forgings.com)

BRÜCK Nederland  
Voltaweg 2  
NL-6101 XK Echt/The Netherlands  
Tel. ++31 (0)475 - 486655  
Fax ++31 (0)475 - 486933  
eMail:  
[echt.nl@bruck-pipecon.com](mailto:echt.nl@bruck-pipecon.com)


BRÜCK Rohrverbindungen GmbH  
Berliner Str. 9  
D-21509 Glinde/Germany  
Tel. +49 (0)40 - 7102015/16  
Fax +49 (0)40 - 7106619  
eMail: [hamburg@bruck-forgings.com](mailto:hamburg@bruck-forgings.com)

BRÜCK UK LTD.  
14 St. Andrew's Street  
GB-Droitwich  
WR9 8DY  
Worcestershire  
Tel. +44 (0)1905 - 796999  
Fax +44 (0)1905 - 796898  
eMail: [uk@bruck-forgings.com](mailto:uk@bruck-forgings.com)

BRÜCK Rohrverbindungen  
Süddeutschland GmbH  
Reustadt 27  
D-73110 Hattenhofen/Germany  
Tel. +49 (0)7164 - 91266-0  
Fax +49 (0)7164 - 91266-66  
eMail: [hattenhofen@bruck-forgings.com](mailto:hattenhofen@bruck-forgings.com)

Brück Rohrverbindungen  
Süddeutschland GmbH  
Büro Augsburg  
Max-von-Laue Str. 1  
D-86156 Augsburg/Germany  
Tel. +49 (0)821 - 790110  
Fax +49 (0)821 - 7901129  
eMail: [augsburg@bruck-forgings.com](mailto:augsburg@bruck-forgings.com)

BRÜCK USA  
Preusweg 102  
D-52074 Aachen/Germany  
Tel. ++49 (0)241 - 701310-0  
Fax ++49 (0)241 - 701310-20  
eMail: [usa@bruck-pipecon.com](mailto:usa@bruck-pipecon.com)

  
THE BETTER CONNECTION