



## The rff range of services. We measure our success in terms of your absolute satisfaction.

Sector-specific expertise for various requirements and specifications – this is what you can expect from us. With consistently high product quality and precise warehouse and supply logistics, we have been a reliable partner for 40 years.

With access to over 14,000 tonnes of pipes, flanges, elbows, welded fittings and pipe equipment at our central warehouse in Stuhr/Bremen and Beucha/Leipzig, rff is one of the largest full-range suppliers in Germany.

These are benchmarks to measure us by.

### How you benefit

- Access to over 14,000 tons of pipe and pipe fittings
- Mechanical processing
- Facing machining
- Material tests
- Labeling/marketing
- Logistics
- Project management
- Certifications, documentation and calculation
- IT Services
- Management system



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**1 Access to over 14,000 tons of pipe and pipe fittings****DIN / EN / ASME**

1. Pipes, seamless and welded, uncoated and coated
2. Flanges, collars and rings, forged, rolled, bent and welded
3. Fittings, seamless and welded, tees, reducers, caps, special fittings, Part 1 / EN Type A, Part 2 / EN Type B
4. Elbows, all types, seamless and welded, Part 1 / Type A, Part 2 / Type B
5. Special elbows, pipe bends inductive and cold-formed, all radii also with extended legs
6. Heads, collars, pipe clamps, U-bolts
7. Gaskets, bolts and nuts, stud bolts
8. High pressure, steel and malleable iron fittings
9. Couplings and valves
10. Bar steel, hollow steel bars, plates
11. Special parts acc. to specification / drawing
12. Material qualities: non-alloy, non-alloy heat-resistant, alloy heat-resistant, low temperature, fine grain steels, high yield steels, stainless steels, high temperature steels, special steels, sour gas materials, non-ferrous metals

**2 Mechanical processing****Semi-finished stock items as installation-ready components**

1. **Pipes** cutting and bevelling, drilling, bending, thread cutting
2. **Flanges** face machining, e.g. tongue/groove, male/female, tapering of ring type joints, drilling (smooth and tapped), machining of edges (inside and outside), tapped holes
3. **Fittings** bevelling, tapering, pig guide bars welded into tees
4. **Elbows** bevelling, tapering, cutting into graduated sections
5. Prefabricated pipe line parts acc. to isometric drawings and pipe classes

**3 Surface treatment**

1. Blasting according to required class, e.g. SA 2,5
2. Interior and exterior primer acc. to specification, e.g. with epoxy resin or other
3. Galvanising, hot-dip galvanising, zinc plating
4. PE coating, all types
5. Interior cement coating, all types
6. Rilsan coating
7. Pickling and passivating
8. Grinding and brushing
9. Polishing, mechanical or electropolishing

**4 Material tests**

1. Ultrasonic (U.S.), surface crack detection, magnetic particle testing
2. Mill test reports (MTR) acc. to EN 10204, 3.2 by TÜV or DNV/GL, LR, BV, ABS, RINA or other in compliance with customer specifications
3. Impact test
4. Tensile test at room temperature
5. Hot tensile test
6. Folding test, widening test, ring expanding test
7. HIC test / HUEY test for sour gas affected pipe components
8. Tests to customer specification

**5 Labeling / marking**

1. Marking with manual marking punches and embossing stamps
2. Hard stamping with electromagnetic dot marking
3. Colour marking
4. Component marking, individual part or trading unit labeling
5. Barcode labeling
6. Account number, drawing number, and other

**6 Logistics**

1. Logistics centre in Stuhr/Bremen, Beucha/Leipzig, Erkrath/Düsseldorf
2. Order picking from full automated pipe storage systems and small parts storage systems, high rack storage system
3. Disposable and reusable packaging
4. Export packaging according to specifications, e.g. boxes, containers
5. Shrink wrap packing
6. Individual or bundle packaging
7. Materials supply / storage in rff owned containers
8. Parcel station for lately pickup in Stuhr/Bremen
9. Own fleet with 10 trucks
10. Shipping with long-standing contract carriers, regular transit time 24 to 48 hours
11. Express and courier services, TNT innight or overnight service
12. Parcel service

**7 Project management**

1. Projects management by designated project teams
2. Shutdown support, preplanning and storage
3. Deadline monitoring / expediting
4. Regular status reports
5. Bill of materials (BOM) preparation acc. to isometric drawing
6. Order picking and labeling per assembly / isometric drawing
7. Designated project-specific warehouse space
8. Internal/external inspection
9. Colli lists and outgoing goods reports

**8 Certifications, documentation and calculation**

1. Unmistakeable Mill test report (MTR) number system
2. 6-fold MTR backup
3. Immediate access to MTRs for telephone inquiries
4. Additional information / Barcode directly on MTR acc. to customers specification
5. MTRs enclosed with goods delivery and / or invoice
6. Online MTR access
7. MTRs deliverable via email or on CD
8. MTRs deliverable in multiple languages
9. Shipping documents and MTR cover letter with heat numbers
10. Interim certificate for acceptance according to DIN EN 10240 3.2 possible
11. Wall thickness calculations according to DIN 2413, AD-B2, AD-B3, AD-B9 or TRD 301 on request, TÜV-approved

**9 IT Service – Information Technology**

1. Comprehensive process control
2. Customised B2B solutions
3. Marketplace solutions
4. Item definition based on e-class characteristics
5. Order tracking and online catalogue service via website rff.de/en and "my rff"
6. Electronic invoices
7. Invoice settlement in the credit memo procedure

**10 Management system**

1. Quality management acc. to DIN EN ISO 9001
2. Environmental management acc. to DIN EN ISO 14001
3. Occupational health and safety management acc. to DIN ISO 45001
4. Processors of materials acc. to AD 2000 Data Sheet W0
5. TÜV restamping authorisation acc. to DIN EN 764-5 for acceptance certificates DIN EN 10240/3.1
6. Certified acc. to Pressure Equipment Directive 2014/68/EU
7. Approved supplier acc. to Regulation KTA 1401
8. In-house test equipment for spectral analyses, hardness testing and surface roughness measurement
9. Inspection of all incoming goods for radioactivity
10. Specific warehouse bin assignment system
11. Single batch / heat storage
12. Ongoing education and further training programmes to increase employee expertise