

**General information**

Legal name: Benteler AG  
 Company founded in 1922  
 Nb of employees: 13000  
 ISO 9001

Web site: [www.benteler.de](http://www.benteler.de)

**Group**

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[www.benteler.de](http://www.benteler.de)

**Head office**

Residenzstrasse 1  
 D - 4790 Paderborn  
 Germany  
 Tel +49 (0)5254 81 - 0  
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**Tube production**

Annual tube production capacity: 420 000 metric tonnes - 463 000 US tons

**Tube standards**

API 5L	Line pipe
API 5CT	Casing and tubing
API 5D	Drill pipe
ASTM A 53	Steel pipe, black and hot-dipped, zinc-coated, welded and seamless
ASTM A 106	Seamless carbon steel pipe for high temperature service
ASTM A 333	Seamless and welded steel pipe for low-temperature service
EN 10208 - 2	Steel pipes for pipelines for combustible fluids - technical delivery conditions - pipes of requirement class B
EN 10220	Seamless and welded steel tubes - dimensions and masses per unit length
DIN 1626	Welded circular unalloyed steel tubes subject to special requirements - technical delivery conditions
DIN 1628	High performance welded circular unalloyed steel tubes - technical delivery conditions
DIN 1629	Seamless circular unalloyed steel tubes subject to special requirements - technical delivery conditions
DIN 1630	High performance seamless circular unalloyed steel tubes - technical delivery conditions
DIN 2440	Steel tubes medium-weight suitable for screwing
DIN 2441	Steel tubes heavy-weight suitable for screwing
DIN 2442	Steel tubes of specified quality suitable for screwing; nominal pressure 1 to 100
DIN 2448	Seamless steel pipes and tubes - dimensions, conventional masses per unit length
DIN 17121	Seamless circular steel tubes for structural steel work - technical delivery conditions
DIN 17124	Seamless circular fine grain steel tubes for structural steel work - technical delivery conditions
DIN 17173	Seamless circular tubes made from steels with low temperature toughness - technical delivery conditions
DIN 17175	Seamless tubes of heat-resistant steels - technical conditions of delivery
DIN 17176	Seamless circular steel tubes for hydrogen service at elevated temperatures and pressures - technical delivery conditions
DIN 17177	Electric pressure-welded steel tubes for elevated temperatures - technical conditions of delivery
DIN 17179	Seamless circular fine grain steel tubes subject to special requirements - technical delivery conditions

**Tubular products**

*Shape, material, manufacturing : Round - Carbon and low alloy steel - Seamless - Rotary piercing*

*Application: Standard, ordinary uses (medium series, heavy series)*

		Min	Max
<b>OD</b>	mm	10.3	141.3
<b>OD</b>	inch	0.405	5.563
<b>NPS</b>	inch	1/8	5
<b>WT</b>	mm		
<b>WT</b>	inch		

Material: carbon - Threaded ends available - Zinc coating available -

*Shape, material, manufacturing : Round - Carbon and low alloy steel - Seamless - Rotary piercing*

*Application: Oil, gas, chemicals conveyance (ambient temperature, high temperature)*

		Min	Max
<b>OD</b>	mm	10.3	141.3
<b>OD</b>	inch	0.405	5.563
<b>NPS</b>	inch	1/8	5
<b>WT</b>	mm	1.70	15.90
<b>WT</b>	inch	0.067	0.626

Material: carbon, low alloy, carbon manganese alloy - Maximum API steel grade : X 70 - Finishing: cold finished - Threaded ends available -

*Shape, material, manufacturing : Round - Carbon and low alloy steel - Seamless - Rotary piercing*

*Application: Oil, gas, chemicals conveyance (low temperature)*

		Min	Max
<b>OD</b>	mm	10.3	141.3
<b>OD</b>	inch	0.405	5.563
<b>NPS</b>	inch	1/8	5
<b>WT</b>	mm	1.70	15.90
<b>WT</b>	inch	0.067	0.626

Material: carbon manganese alloy, low nickel alloy - Maximum yield strength: 240 MPa - 34 ksi -

*Shape, material, manufacturing : Round - Carbon and low alloy steel - Seamless - Rotary piercing*

*Application: Heat exchange, pressure*

		Min	Max
<b>OD</b>	mm	20.0	152.4
<b>OD</b>	inch	0.787	6.000
<b>NPS</b>	inch		
<b>WT</b>	mm	2.00	20.00
<b>WT</b>	inch	0.079	0.787

Material: carbon, low alloy - Cut to length - U bending -

*Shape, material, manufacturing : Round - Carbon and low alloy steel - Seamless - Rotary piercing*

*Application: Oil and gas well / OCTG (casing)*

		Min	Max
<b>OD</b>	mm	114.3	139.7
<b>OD</b>	inch	4.500	5.500
<b>NPS</b>	inch		
<b>WT</b>	mm	5.21	15.88
<b>WT</b>	inch	0.205	0.625

Material: carbon - Plain end -

*Shape, material, manufacturing : Round - Carbon and low alloy steel - Seamless - Rotary piercing*

*Application: Oil and gas well / OCTG (tubing)*

		Min	Max
<b>OD</b>	mm	26.7	114.3
<b>OD</b>	inch	1.050	4.500
<b>NPS</b>	inch		
<b>WT</b>	mm	2.87	16.00
<b>WT</b>	inch	0.113	0.630

Material: carbon - Plain end - API connection: Non upset tubing and coupling, External upset tubing and coupling -

**Shape, material, manufacturing : Round - Carbon and low alloy steel - Seamless - Rotary piercing**

**Application: Oil and gas well / OCTG (drilling)**

		Min	Max
<b>OD</b>	mm	60.3	139.7
<b>OD</b>	inch	2.375	5.500
<b>NPS</b>	inch		
<b>WT</b>	mm	7.11	10.54
<b>WT</b>	inch	0.280	0.415

Material: carbon - Plain end -

**Shape, material, manufacturing : Round - Carbon and low alloy steel - Seamless - Rotary piercing**

**Application: Structure**

		Min	Max
<b>OD</b>	mm	10.2	152.4
<b>OD</b>	inch	0.402	6.000
<b>NPS</b>	inch		
<b>WT</b>	mm	1.60	152.40
<b>WT</b>	inch	0.063	6.000

Material: carbon -

**Shape, material, manufacturing : Round - Carbon and low alloy steel - Seamless - Rotary piercing**

**Application: Automotive - Mechanical / precision products (high pressure fluid transfer, hydraulic or pneumatic power line, hydraulic cylinder) - Mechanical / precision industry (cycle industry)**

		Min	Max
<b>OD</b>	mm	4.0	140.0
<b>OD</b>	inch	0.157	5.512
<b>NPS</b>	inch		
<b>WT</b>	mm	0.50	11.00
<b>WT</b>	inch	0.020	0.433

Material: carbon, carbon manganese alloy, low chrome alloy -  
Cut to length - Maximum length: 22 meters - 72.2 feet -

**Shape, material, manufacturing : Round - Carbon and low alloy steel - Seamless - Rotary piercing**

**Application: Machining purpose / hollow bar**

		Min	Max
<b>OD</b>	mm	32.0	150.0
<b>OD</b>	inch	1.260	5.906
<b>NPS</b>	inch		
<b>WT</b>	mm	3.50	16.00
<b>WT</b>	inch	0.138	0.630

Material: carbon, low alloy -

**Shape, material, manufacturing : Round - Carbon and low alloy steel - Welded - Continuous forming**

**Application: Standard, ordinary uses (medium series, heavy series)**

		Min	Max
<b>OD</b>	mm	10.3	141.3
<b>OD</b>	inch	0.405	5.563
<b>NPS</b>	inch	1/8	5
<b>WT</b>	mm		
<b>WT</b>	inch		

Material: carbon - Weld: ERW - Threaded ends available -  
Zinc coating available -

**Shape, material, manufacturing : Round - Carbon and low alloy steel - Welded - Continuous forming**

**Application: Water, sewage, slurry conveyance (heating)**

		Min	Max
<b>OD</b>	mm	10.0	35.0
<b>OD</b>	inch	0.394	1.378
<b>NPS</b>	inch		
<b>WT</b>	mm	1.00	1.50
<b>WT</b>	inch	0.039	0.059

Material: carbon - Weld: ERW - Standard length: 6 meters -  
19.7 feet - Coil delivery ; coil length: 50 meters - 164 feet -

Shape, material, manufacturing : **Round - Carbon and low alloy steel - Welded - Continuous forming**

Application: *Mechanical / precision products*

		Min	Max
<b>OD</b>	mm	13.0	90.0
<b>OD</b>	inch	0.512	3.543
<b>NPS</b>	inch		
<b>WT</b>	mm	0.80	5.00
<b>WT</b>	inch	0.031	0.197

Material: carbon - Weld: ERW - Maximum length: 20 meters - 65.6 feet -

Shape, material, manufacturing : **Round - Pre-aluminized carbon steel - Welded - Continuous forming**

Application: *Automotive (exhaust pipe)*

		Min	Max
<b>OD</b>	mm	13.0	90.0
<b>OD</b>	inch	0.512	3.543
<b>NPS</b>	inch		
<b>WT</b>	mm	1.00	5.00
<b>WT</b>	inch	0.039	0.197

Weld: ERW -

### Tube ends

**Thread and coupling  
(other than OCTG and water well)**

### Manufacturing facility(ies)

#### Bielefeld facility

Germany

#### Eisenach facility

Germany

#### Kleinenberg facility

Germany

#### Paderborn: Rohrwerk 41

Rohrwerk 41  
Residenzstrasse 1  
D-33104 Paderborn  
Germany

Tel +49 (0)5254 81 - 0  
Fax +49 (0)5254 13 666

API licenced manufacturing facility - specification:  
5L, 5CT (5L-0151.1, 5CT-0194.1)  
ISO 9001

#### Schwandorf facility

Germany

#### Weidenau facility

Germany

#### Dinslaken facility

Luisenstrasse 117  
D-46535 Dinslaken  
Germany

Tel +49 (0)2064 623 - 0

Fax +49 (0)2064 623 - 203

API licenced manufacturing facility - specification:  
5L, 5CT, 5D (5L-0151, 5CT-0194, 5D-0028)

#### Emden facility

Germany

#### Lingen facility

Niederarmer Str. 5  
49811 Lingen  
Germany

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#### Paderborn: Schweißrohrwerk 52

Schweißrohrwerk 52  
Wollmarktstr. 8 - 10  
33098 Paderborn  
Germany

Germany

Tel +49 (0)5254 81 - 0

#### Warburg facility

Germany

#### Zwickau facility

Germany