



The Perfect Fit

# Delivery programme

DIN / EN / ASME / API



# Delivery programme DIN EN / DIN

## Pipes / Tubes in acc. with DIN EN



Cutting and bevelling, blasting, coating and marking for all requirements according to customer specifications

### Standards

Carbon steels	DIN EN
Seamless pipes	10216-1 to 4
Welded pipes	10217-1 to 6
Precision steel pipes	10305-1 to 4
Stainless steels	DIN EN
Seamless pipes	10216-5
Welded pipes	10217-7
Precision steel pipes	10305-1 to 2

### Line pipes

Seamless and welded pipes	ISO 3183
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### Types

Seamless and welded

### Dimensions and weights

DIN EN 10220 / Carbon steel  
DIN EN ISO 1127 / Stainless steel

### Material grades

- P235TR1/TR2
- P235GH TC1/TC2, P265GH TC1/TC2
- 16Mo3, 13CrMo4-5, 10CrMo9-10, 12CrMo19-5
- P265NL
- P355NH / NL1
- L290NE, L360NE
- 1.4301, 1.4306, 1.4307, 1.4541
- 1.4401, 1.4404, 1.4571
- 1.4410 (Superduplex), 1.4462 (Duplex)
- 1.4529, 1.4539, 1.4547

## Flanges in acc. with DIN EN / DIN



Turning and drilling (flat or threaded), blasting, coating, marking for all requirements acc to customer specifications

### Standards DIN EN 1092-1

Neck Flanges	Typ	DIN
Weld Neck Flanges	11	2627-2638
Weld Neck Collars	34	2673-2676
Slip-on Flanges	12	86029/30
Threaded Flanges	13	2565-2567
Flat Flanges		
Flanges for welding	01	2573, 2576
Loose Flanges	02	2641/2, 2655/6
Loose Flanges	04	2673-2676
Blind Flanges	05	2527

### Collars

Flat Collars	32	2641/2, 2655/6
Weld-on Collars	37	2641/2

Flanges for vessels and process apparatus, Flanges for automated welding process, Flanges acc. to DIN EN 1759-1

### Pressure Classes

PN 6 to PN 400

### Dimensions

All standard dimensions

### Facing

In acc. with DIN 2526, DIN EN 1092-1 and to customer specification

### Material grades

- S235JR, S355J2
- P250GH, P245GH, P265GH, P280GH
- 16Mo3, 13CrMo4-5, 10CrMo9-10, 12CrMo19-5
- P355QH1, P355NH / NL1/NL2
- 1.4301, 1.4307, 1.4541
- 1.4401, 1.4404, 1.4571
- 1.4410 (Superduplex), 1.4462 (Duplex)
- 1.4529, 1.4539, 1.4547

## Elbows and Butt-weld Fittings in acc. with DIN EN / DIN



Cutting and bevelling, tapering, blasting, coating and marking for all requirements according to customer specifications

### Standards DIN EN 10253-1 to 4

Butt-weld Fittings	Typ	DIN
Elbows	A/B	2605-1/-2
Tees	A/B	2615-1/-2
Concentric reducers	B	2616-2
Eccentric reducers	A/B	2616-1/-2
Caps	B	2617

Special Fittings made of plates, round-bar steels in acc. with drawing

### Types of elbows

2D, 3D and 5D as well as customer specification

### Dimensions

All standard dimensions

### Types

Seamless and welded

### Material grades

- S235
- P235GH, P250GH, P265GH
- 16Mo3, 13CrMo4-5, 10CrMo9-10, 12CrMo19-5
- P265NL
- P355NH / NL1
- L290NE, L360NE
- 1.4301, 1.4306, 1.4307, 1.4541
- 1.4401, 1.4404, 1.4571
- 1.4410 (Superduplex), 1.4462 (Duplex)
- 1.4529, 1.4539, 1.4547

# Delivery programme ASME / API

## Pipes / Tubes in acc. with ASME / ASTM / API



Cutting and bevelling, blasting, coating and marking for all requirements according to customer specifications

### Standards

B 36.10, B 36.19 and API 5L

### Types

Seamless and welded

### Wall thicknesses

All schedules

### Material grades

- A/SA 53 Gr. B, A/SA 106 Gr. B
- API 5L Gr. B
- A/SA 335 Gr. P5, P9, P11, P12, P22, P91
- A/SA 333 Gr. 6
- API 5L Gr. X52, X60, X65
- A/SA 312 Gr. TP 304/L, 321/H, 316/L
- UNS 32570 (Superduplex)
- UNS 31803 (Duplex)
- Special Alloys

### Dimensions

1/2" to 48"

## Flanges in acc. with ASME / ASTM / API



Turning and drilling (flat or threaded), blasting, coating and marking for all requirements according to customer specifications

### Standards

B 16.5, B 16.47 Series A+B and BS 3293  
API 6A

### Types

- Weld Neck Flanges
- Blind Flanges
- Slip-on Flanges
- Lap Joint Flanges
- Threaded Flanges
- Socket Weld Flanges
- Long Welding Neck Flanges
- Orifice Flanges B 16.36
- Spectacle Blind B 16.48
- Special Flanges in acc. with drawing

### Pressure classes

Class 150 to 2500  
2,000 to 20,000 psi

### Material grades

- A/SA 105/C21, P250GH, P280GH
- A/SA 182 Gr. F5, F9, F11, F12, F22, F91
- A/SA 350 Gr. LF2, P355QH1
- A 694 Gr. F52, F60, F65
- A/SA 182 Gr. F304/L, F321/H, F316/L
- 1.4301/07, 1.4541, 1.4401/04, 1.4571
- F53 (Superduplex), F51 (Duplex)
- Special Alloys

### Dimensions

1/2" to 48"

### Facings

- RF and RTJ
- For all requirements in acc. with customer specification

## Elbows and Butt-weld Fittings in acc. with ASME / ASTM



Cutting and bevelling, tapering, blasting, coating and marking for all requirements according to customer specifications

### Standards

B 16.9

### Types

- Elbows, seamless and welded
- Tees, seamless and welded
- Reducers, concentric and eccentric, seamless and welded
- Caps
- Stub Ends
- Special Fittings made of plate metal, round-bar steel and in acc. with drawing

### Elbow types

Short Radius (SR) und Long Radius (LR) as well as radii to customer specification

### Wall thicknesses

All schedules

### Material grades

- A/SA 234 Gr. WPB
- A/SA 234 Gr. WP5, 9, 11,12, 22, 91
- A/SA 420 Gr. WPL6
- A 860 Gr. WPHY42, 52
- L290NE, L360NE
- A/SA 403 Gr. WP304/L, 321/H, 316/L
- UNS 32750 (Superduplex)
- UNS 31803 (Duplex)
- Special Alloys

### Dimensions

1/2" to 48"



# Equipment DIN / EN / ASME

## High-pressure fittings in acc. with ASME / ASTM

### Types

All types of high pressure forged steel fittings and branch outlet fittings

### Pressure classes

Class 2000, 3000, 6000, 9000

### Designs

Socket Weld (SW) and threaded (NPT)

### Wall thicknesses

All schedules

### Surfaces

Black, galvanised and hot-dip galvanised

### Dimensions

1/4" to 4"

### Material grades

- A/SA 105, P250GH, P280GH
- A/SA 182 Gr. F5, F11, F12, F22, F91
- A/SA 350 Gr. LF2, P355QH1
- A/SA 694 Gr. F52
- A/SA 182 Gr. F304/L, F321/H, F316/L
- 1.4301/07, 1.4541, 1.4401/04, 1.4571
- F53 (Superduplex), F51 (Duplex)



## Screws, bolts and nuts in acc. with ISO / ASME / ASTM

### Standards

- Screws in acc. with DIN EN ISO 4014, 4016, 4017 and 4018
- Nuts in acc. with DIN EN ISO 4032 and 4034
- Stud-bolts in acc. with DIN 2510
- ASME B 16.5 and B 18.2.2

### Dimensions

For all standard flange sizes

### Material grades

- 4.6, Grade 5
- 24 CrMo 5 and Ck 35 in acc. with DIN 17240 / DIN EN 10269
- V4A, V2A, A2-70, A4-70
- 1.4301, 1.4401, 1.4541, 1.4571 in acc. with DIN 17440 / DIN EN 10269
- ASTM A 193 Gr. B7 for stud-bolts
- ASTM A 194 Gr. 2H for nuts
- Other materials to customer specifications

### Bremen Head Office

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## Gaskets in acc. with DIN EN / ASME / ASTM

### Standards

- Flat gaskets in acc. with DIN EN 1514-1:
- Type IBC flat gaskets for flanges with / without raised faces
- Type TG flat gaskets for flanges with tongue / groove
- Type SR flat gaskets for flanges with male / female facing
- ASME B 16.20 – for metallic RTJ-gaskets
- ASME B 16.21 – for non-metallic gaskets

### Material grades

- Hecker Centellen
- KLINGERSIL
- Rubber
- Carbon steel
- Stainless steel
- Soft-iron / Pure-iron
- StW 24

### Dimensions

For all standard flanges

## Standard and special parts

- Pipe clamps in acc. with DIN 3567
- U-bolts in acc. with DIN 3570
- Pressed collars similar to DIN 2642
- Heads DIN 28011
- Ellipsoidal Heads DIN 28013
- Weld-in elbows similar to DIN 2619
- Branch saddle similar to DIN 2618
- Pipe coupling
- Malleable iron fittings in acc. with DIN EN 10242
- Threaded steel fittings in acc. with DIN EN 10241
- Pipe bends with special radius
- Welded constructions