

# Fittings

ASTM- ASME- STANDARD

Standard	Classification	Materials
Dimension: $\frac{1}{2}''$ - 72'' Thickness: Sch. 5 - HXXS	Carbon Steel	ASTM A 234 - WPB
<b>acc. to ANSI B 16.9 / B 16.25</b>  - Elbows - LR 45°; 90°; 180° - Tees - Red. Tees - Concentric Reducers - Eccentric Reducers - Caps - Stub Ends	Low Alloy Steel	ASTM A 234 - WP1 ASTM A 234 - WP5 ASTM A 234 - WP9 ASTM A 234 - WP11 ASTM A 234 - WP12 ASTM A 234 - WP22 ASTM A 234 - WP91
	Steel for Low Temp. Service	ASTM A 420 - WPL 3 ASTM A 420 - WPL 6
<b>acc. to ANSI B 16.28</b>  - Elbows - SR 45°; 90°; 180°	Stainless Steel	ASTM A 403 - WP 304 / 304 L (H) ASTM A 403 - WP 316 / 316 L ASTM A 403 - WP 310 S / 317 L ASTM A 403 - WP 321 / 321 (H) ASTM A 403 - WP 347 / 347 (H) ASTM A 403 - WP 904 L
	Duplex-Steel	ASTM A 815 - Duplex 2205 ASTM A 815 - Super Duplex Cr25
	Ni-Alloy Steel	ALLOY -20, -59, -200 MONEL -400 INCONEL -600, -601, -625 INCOLLOY -800, -825

## Certificate:

Certification acc. to: EN 10204 - 3.1 and 3.2 third party inspection by

- Lloyd's Reg. of Shipping ( LRS )

- TÜV , - DNV , - GL

acc. to PED 97/23/EC

acc. to ASME - NACE MR 0175

EN\_04/v03



**BOCAR GMBH**

# Fittings

ASTM- ASME- STANDARD

Standard	Classification	Materials
Dimension: ½" - 16"	Carbon Steel	ASTM A 105 N
Thickness: Sch. STD - XXS		
Class: 3000....6000 lbs	Low Alloy Steel	ASTM A 182 - F 5 ASTM A 182 - F 9 ASTM A 182 - F 11 ASTM A 182 - F 22 ASTM A 182 - F 91
<b>Forged Steel Fittings</b> <b>acc. to ASME / ANSI 16.11</b> <b>MSS SP-79; -83; -95; -97</b> <b>BS 3799</b>	Steel for Low Temp. Service	ASTM A 350 - LF 2
- Elbows 45°; 90°	Stainless Steel	ASTM A 182 - F 304 / F 304 L (H) ASTM A 182 - F 309 ASTM A 182 - F 310 ASTM A 182 - F 316 / F 316 L ASTM A 182 - F 317 L ASTM A 182 - F 321 / F 321 H ASTM A 182 - F 347 / F 347 H ASTM A 182 - F 904 L
- Tees		
- Reducers		
- Caps		
- Crosses		
- Couplings		
- Half Couplings		
- Weldolets		
- Elbolets		
	Duplex Steel	ASTM A 182 - F51 (Duplex ) ASTM A 182 - F55 (SuperDuplex)
	Ni-Alloy Steel	ALLOY -20, -59, -200 MONEL -400 INCONEL -600, -601, -625 INCOLLOY -800, -825

## Certificate:

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- TÜV , - DNV , - GL  
acc. to PED 97/23/EC  
acc. to ASME - NACE MR 0175

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