

Customer informations

Machining and testing facilities



Picture: Flow reference standard 20" 600# for PTB Braunschweig 2004

Machining facilities

Fabrication: Hemsack 27, 59174 Kamen

Sawing (Band- / Hack- / Circular)		Ø 5 to Ø 300	
Gas cutting	(C-Steels)	2 to 100 diameter	
Plasma cutting	(Cr. Ni. Steels)	1 to 50 diameter	
Drilling	Spiral drill	Ø 1 to Ø 60	
Deep drilling	Gun drill	Ø 2 to Ø 38	
Turning	Manual	Ø 5 to Ø 300	1m lenght
		Ø 300 to Ø 1200	0,5m lenght
NC-turning		until Ø 120	0,5m lenght
Thread cutting	All major threads	until M 36 / 1,5"	Specials with calibration sample only
Milling (boring mill work)		until 500 mm	
Rolling	(Cylindric / Conic)	until t = 15	d ≥ 200, 1200 wide
Pressing		until 20t	
Welding	Alloy C-steels	until t = 60	WIG / E-Hand / MAG
	Heat-resisting steels	until t = 40	WIG / E-Hand
	cryogenic steels	until t = 20	WIG / E-Hand
	Cr. Ni. steels	until t = 20	WIG / E-Hand / MAG
	High-alloy / Ni. Basis	until t = 15	WIG
	Titan, Nickel, Alu	until t = 10	WIG
Head treatment	Oven	500 x 400 x 1200	until 800°C
	Chain / Collar	3 Steerings until Ø 700	until 800°C
Glas blasting	(Cr. Ni. Steels)	Cabinsize 0,5m ³	
Sand blasting	(C-Steels)	Cabinsize 0,5m ³	
Pickling	(Cr. Ni. Steels)	Bath 0,5 x 0,5 x 2,0m	
Grinding	Polishing– and loop of tape	manual	

Measuring & testing facilities

Laboratory: Werkstraße 3a, 59174 Kamen

Tension-, pressure-, Biegeproben		4 to 200 KN (Class 1)	Heat tension test until 400°C
Impact test	(ISO-V)	until 300 J	(Class 1) until -60°C
Hardness test	Vickers, Brinell, Rockwell	HV 5 to 50	(Class 1) HRV until 80
Micrographic examination / Grain sizing			
Pressure test		until 1000 bar	
Leak test		Leak rate ≤ 10 ⁻⁷ mbar l/s	
Visual testing / Endoscopy / Measurement			(EN 473 certified)
Magnetic powder test / Surface crack test of magnetic materials			(EN 473 certified)
Dye penetrant test / Surface crack test of non-magnetic materials			(EN 473 certified)
Radiographic test (X-Ray)		until 15mm	(EN 473 certified)
Ultrasonic test		from 8 mm to 200 mm	(EN 473 certified)
Crack inspection / Failure analysis		for metal material	
Layer thickness measurement		0 to 5000µm	
Flowcalibration (calibration) with water		until DN 100	(Calibration facility plant)
Oil- and greasefree verification		for oxygen applications	(UVV 28)