



Astrup MDS 42CrMo4 M

42CrMo4 M

KVALITET, MANGFOLD OG GODT SAMARBEID

Material Description					Quality			
Engineering steel bars Q+T					EN 10083-3 / 42CrMo4			
Chemical Composition								
	C	Si	Mn	P	S	Cr	Mo	Ni
Min	0,38	0,15	0,60			0,90	0,15	
Max	0,45	0,40	0,90	0,025	0,035	1,20	0,30	
Thechnical requirements								
Mechanical properties • >Ø40-Ø100 mm Min Re = min 650N/mm² Tensile Rm = 900-1100N/mm² • >Ø100-Ø160 mm Min Re = min 550N/mm² Tensile Rm = 800-950 N/mm² • Elongation >Ø40-Ø100 mm min 12% , Z min 50% • Elongation >Ø100-Ø160 mm min 13% , Z min 50% • Charpy V -20 C^o min 27J , Charpy V -40 C^o values inf • Ultrasonic test SEP 1920 Coverage 1, quality class A • Ø52 mm to be quenched in oil, max hardness 315 HB • Produced acc to rules for Class of ship Pt2, Ch2 Sec 5, Cert EN 10204/3.2 DNV								
Certificate								
Acc. to EN 10204/3.1								
Form of supply								
Lengths from 6 meter.								
Marking								
Astrup purchase number, each bar to be hard stamped with charge number. Marked with quality and dimension.								