



## 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								
<p>Mechanical properties</p> <ul style="list-style-type: none"> <li>• &gt;Ø40-Ø100 mm Min Re = min 650N/mm<sup>2</sup> Tensile Rm = 900-1100N/mm<sup>2</sup></li> <li>• &gt;Ø100-Ø160 mm Min Re = min 550N/mm<sup>2</sup> Tensile Rm = 800-950 N/mm<sup>2</sup></li> <li>• Elongation &gt;Ø40-Ø100 mm min 12% , Z min 50%</li> <li>• Elongation &gt;Ø100-Ø160 mm min 13% , Z min 50%</li> <li>• Charpy V -20 C<sup>o</sup> min 27J , Charpy V -40 C<sup>o</sup> values inf</li> <li>• Ultrasonic test SEP 1920 Coverage 1, quality class A</li> <li>• Ø52 mm to be quenched in oil, max hardness 315 HB</li> <li>• Produced acc to rules for Class of ship Pt2, Ch2 Sec 5, Cert EN 10204/3.2 DNV</li> </ul>								
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.								