



Astrup MDS AISI 4140 Rev 3

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Material Description		Quality										
Engineering steel bars, Hotrolled, hardened and tempered, straightened, peeled		AISI 4140										
Chemical Composition												
	C	Si	Mn	Mo	Cu	Cr	Ni	Al	S	P	V	Sn
Min	0,38	0,15	0,75	0,15		0,80		0,015				
Max	0,43	0,35	1,00	0,25	0,25	1,10	0,25	0,035	0,025	0,025	0,03	0,10
Technical requirements												
<ul style="list-style-type: none"> • Acc. to NACE 0175 / ISO 15156 and API 6A 80K PSL3 • Yield ≥ 551 N/mm² / 80 Ksi • Tensile RM = 690-800N / mm², Max 22 HRC • Charpy V Test at -29 C^o min 42J • Elongation min 20%, Red of Area min 40% • Test pos. longitudinal on mid radius < 7" dia and 1" below surface on > 7" dia • All according to ASTM A370 • Max H2 2 ppm 												
Certificate												
Acc. to EN 10204/3.1												
Forms of supply												
Lengths from 4-6 meter.												
Marking												
Astrup purchase number, each bar to be hard stamped with charge number, Marked with quality and dimension.												