

Astrup MDS

AISI 420 Mod

Material Description

Engineering steel bars, hardened and double tempered, straightened, peeled

Quality

AISI 420 Mod 13% Cr
UNS S42000

Chemical composition

	C %	Si %	Mn %	Cr %	Mo %	Ni %	P %	S %	N %
Min	0,18	0,2	0,25	12,50					
Max	0,22	1,00	1,00	14,00	0,50	0,20	0,02	0,005	

Technical requirements

- Chemical composition acc. to norm
- Acc. to NACE 0175 / ISO 15156-1 / 18-22 HRC / 217/235 HB
- US test ASTM A388 / API 6A PSL 3
- Yield Rp0,2 : 80-95 ksi
- Tensile Rm = 100-120 ksi
- Elongation min: 20%, Red of Area min in : 40%
- Charpy V Test longitudinal at -10 C⁰ min 15J single, average 20 J / Grain size ASTM 5 or finer
- All testing per ASTM A370 method E8 and E23
- Test at mid Radius, longitudinal

Certificate

Acc to EN 10204/3.1

Form 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.