

Astrup MDS

316L

Material Description

Hot rolled/ forged stainless bar steel
Cold drawn/grinded stainless bar steel
Annealed, pickled, straightened
Peel turned and polished

Quality

AISI 316L / EN. 1.4404
UNS S31603

Chemical composition

C %	Si %	Mn %	P %	S %	Ni %	Cr %	Mo %	Cu %	N %	PREn
		1,25			10,0	16,5	2,0			23,1
0,03	1,0	2,0	0,045	0,03	13,0	18,5	2,5		0,1	28,5

Mechanical properties

Yield strenght Rp 0,2% (N/mm ²)	Tensile strenght Rm (N/mm ²)	Elongation A5 %	Contraction Z %	Impact value Kv/J (20 °C)	Hardness HRC	Hardness HB
Min 205	Min 515	Min 35	Min 40	Min 60		
						Max 215

Technical requirements

EN 10088-3:2005
X2CrNiMo 17-13-2
ASTM A182 (Chemical composition and mechanical properties only)
ASTM A276
ASTM A479
ASME SA479 ED 10 AD-11A SEC II Part A.
Norsok M630 MDS S01*
2014/68/EU (PED)
NACE MR0175 /ISO 15156-3:2009*
* Cold worked bars <30mm may not be fully in compliance with NACE MR0175/ISO 15156-3:2009 and/or NORSOK MDS S01
Heat-treatment temperature to be confirmed in material certificate

Certificate

Acc to EN 10204/3.1

Form of supply

Lengths from 3-7 meter, depending on diameter.
Max weight per subject: 3000 kg

Marking

Astrup purchase number.
Each bar to be marked or hard stamped with charge number, quality and dimension.