



**LIVALLCO STÅL AB**  
SMITH & STENSSON

# Unalloyed boilersteel P420QH

## DESIGNATIONS

Swedish standard	
ASTM / ASME std plate	
ASTM / ASME std roundbar	A/SA 350 LF6 cl.1
ASTM / ASME std pipe	
W.stoff nr	1.8936

## CHEMICAL COMPOSITION

Al	0,020 - 0,060
C	max. 0,20
Cr	max. 0,30
Cu	max. 0,20
Mn	1,00 - 1,70
Mo	max. 0,10
N	max. 0,20
Nb	max. 0,05
Ni	max. 1,00
P	max. 0,025
S	max. 0,015

## DIMENSION

Plate	
Roundbar	Ø 60 - 625 mm
Flat/square	
Hexagon	
Forging	Yes
Pipe	

## MECHANICAL PROPERTIES

Yield	365 N/mm <sup>2</sup>
Tensile	510 - 670 N/mm <sup>2</sup>
KV	-40°C / min. 34J
Are only given as typical value for Ø 70 mm in QT cond.	

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