



**LIVALLCO STÅL AB**  
SMITH & STENSSON

**Case hardening steel**  
**20MnCr5**

**DESIGNATIONS**

Swedish standard	
ASTM / ASME standard	
Similar grade	
W.stoff nr	1.7147

**CHEMICAL COMPOSITIONS**

C	0,17 - 0,22
Cr	1,00 - 1,30
Mn	1,10 - 1,40
P	max. 0,025
S	max. 0,035
Si	max. 0,40
Fe	rest.

**DIMENSION**

Plate	8 - 200 mm
Roundbar	Ø 20 - 850 mm
Flat/Square	Yes
Hexagon	-
Forging	Yes
Pipe	-

**MECHANICAL PROPERTIES**

Yield	min. 540 N/mm <sup>2</sup>
Tensile	780 - 1080 N/mm <sup>2</sup>
KV	
Are only given as typical value for round bar, Ø 50 mm	

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