



**LIVALLCO STÅL AB**  
SMITH & STENSSON

**Case hardening steel**  
**42CrMo4**

**DESIGNATIONS**

Swedish standard	SS 2244
ASTM / ASME standard	4140~
BS standard	708M40
Similar grade	Ovako 327A*
W.stoff nr	1.7225

*\*Registered trademark of Ovako*

**CHEMICAL COMPOSITION**

C	0,38 - 0,45
Cr	0,90 - 1,20
Mn	0,60 - 0,90
Mo	0,15 - 0,30
P	max. 0,025
S	max. 0,035
Si	max. 0,40
Fe	rest.

**DIMENSION**

Plate	2 - 200 mm
Roundbar	Ø 7 - 850 mm
Flat/Square	Yes
Hexagon	Yes
Forging	Yes
Pipes	Yes

**MECHANICAL PROPERTIES**

Yield	min. 650 N/mm <sup>2</sup>
Tensile	900 - 1100 N/mm <sup>2</sup>
KV	min. 35J vid 20°C
Are only given as typical value for round bar, Ø 50 mm	

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