



LIVALLCO STÅL AB
SMITH & STENSSON

Spring steel
51CrV4

DESIGNATIONS

Swedish standard	SS 2230
ASTM / ASME standard	
Similar grade	
W.stoff nr	1.8159

CHEMICAL COMPOSITION

C	0,47 - 0,55
Cr	0,90 - 1,20
Mn	0,70 - 1,1
P	max. 0,025
S	max. 0,025
Si	max. 0,40
V	0,10 - 0,25
Fe	rest.

DIMENSION

Plate	1-10 mm
Roundbar	Ø 2 -710 mm
Flat/Square	Yes
Hexagon	-
Forging	Yes
Pipe	-

MECHANICAL PROPERTIES

Yield	min. 700 N/mm ²
Tensile	900 - 1100 N/mm ²
KV	

Are only given as typical value for round bar,
Ø 50 mm