



**LIVALLCO STÅL AB**  
SMITH & STENSSON

## Stainless steel

# 1.4542

### DESIGNATIONS

EN standard	X5CrNiCuNb16-4
Swedish standard	
ASTM / ASME standard	A 564 gr. 630 / S17400
Similar grade	17-4Ph
W.stoff nr	1.4542

### CHEMICAL COMPOSITION

C	max. 0,07
Cr	15,00 - 17,00
Cu	3,00 - 5,00
Mn	max. 1,50
Mo	max. 0,60
Nb	5 x%C - 0,45
Ni	3,00 - 5,00
P	max. 0,040
S	max. 0,015
Si	max. 0,70

### DIMENSION

Plate	Yes
Roundbar	Yes

### MECHANICAL PROPERTIES

Condition	H900	H925	H1025	H1075	H1100	H1150
Yield 0,2 -N/mm <sup>2</sup> min.      Rp	1170	1070	1000	860	795	725
Tensile N/mm <sup>2</sup> min.      Rm-	1310	1170	1070	1000	965	930
Elongation A5% min.	10	10	12	13	14	16
Kontraktion min.      Z%	40	38	45	45	45	50
HB min.	388	375	331	311	302	277

For more information, please contact LIVALLCO STÅL AB, Sweden  
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