

Product range

ETG[®] 25 is available in the following finishes and sizes:

Process	Size range [mm]	Tolerance
drawn	≥ 4,0 – ≤ 28,0	h9
pulled	> 28,0 – 40,0	h11
ground	≥ 4,0 – ≤ 28,0	≥ IT6

- Bar lengths: 3 – 6.5 m
- Colour coding: yellow end-face
- Other categories to meet special requirements (e.g. mechanical properties) are available to special order
- Regular sizes are available from stock

Chemical analysis (Melt analysis in % by weight)

Element	C	Si	Mn	P	S
min.	0,24	0,10	1,20		0,02
max.	0,29	0,30	1,50	0,04	0,04

Deviation of product analysis from limits specified in cast analysis in accordance with EN 10087. Killed with aluminium or agents having a similar effect. The analysis complies with SAE 1527, comparable with 28Mn6 (1.1170).

Mechanical properties as drawn (Guide values)

Static					
Dimensions	Ø	mm	≤ 16	>16 – 30	>30 – 40
Proof stress	R _{p0,2}	N/mm ²	≥ 660	≥ 660	≥ 660
Tensile strength	R _m	N/mm ²	800 – 950	830 – 950	800 – 950
Ultimate elongation	A ₅	%	≥ 12	≥ 12	≥ 12
Reduction of area	Z	%	≥ 45	≥ 45	≥ 45
Hardness	HV10		230 – 300	255 – 336	230 – 300
Notched impact energy	A _{URT} (ISO-U)	J	≥ 22	≥ 22	≥ 22

Dynamic

Tension/compression	σ_{zdw}	N/mm ²	ca. 360
Reverse bending			
Specimen without notch	σ_{bw}	N/mm ²	ca. 390
Specimen with notch $\alpha_k=4.0$	σ_{bw}	N/mm ²	ca. 125
Torsional reversal	τ_{tw}	N/mm ²	ca. 175

For further info on our product range of tool steel, stainless steel and Engineering steel please visit www.swisssteelgroup.com

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Discover our Green Steel portfolio on www.swissgreensteel.com

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