

Steeltec ESP 65

Product range

ESP 65 is produced in the form of bars in a size range of 6 to 80 mm diameter.

Process		Size range mm	Tolerance
drawn	+C	6 – 80	h9
peeled	+SH	18 – 80	h11
ground	+SL	6 – 80	≥ IT6

Special tolerances
upon request

- » Colour coding ESP 65: brown end face
- » Bar lengths: standard 3 m, production lengths: 3 – 6 m
- » End finish: standard finish $\varnothing \leq 65$ mm is chamfered on one side and tapered on the other side. The ends can be machined to special requirements upon request

Chemical analysis

melt analysis % by weight (EN 10277)

Element	C	Si	Mn	P	S	Cr	Pb
min.	0,14	0,15	1,00		0,020	0,80	0,15
max.	0,19	0,40	1,30	0,025	0,035	1,10	0,30

Piece analysis and melt analysis may vary according to EN 10277-4.

Mechanical properties

State			+C	+SH
Proof stress	$R_{p0,2}$	N/mm ²	≥ 300	≥ 300
Tensile strength	R_m	N/mm ²	500 – 740	500 – 630
Ultimate elongation	A_5	%	≥ 12	≥ 13