

#### Designation

Free-cutting steel 11SMn30+BX

#### Execution

Bright Steel, Cold-drawn, Straightness  $\leq 0.3$  mm/m for round material, Straightness  $\leq 1$  mm/m for hexagon material according to DIN EN 10278

Execution	Dim.-range	Tolerance
+C	5 – 60 mm	h9
+C	SW 10 – 32 mm	h11
+C +SL	5 – 60	$\geq$ IT6

#### International designation

Stahl number	EN ISO 683-4 DIN EN 10277	ASTM	JIS	GB/ISC
1.0715	11SMn30	~SAE1215	~SUM22	~Y15

#### Chemical composition in mass %

Element	C	Si	Mn	P	S	B
min.			0.90		0.27	0.0008
max.	0.14	0.05	1.30	0.11	0.33	0.0100

#### Mechanical-technological properties

The strengths correspond to the requirements of the standard for the respective diameter in the corresponding condition for the material 11SMn30.

#### Surface finish

The surface finish complies with the specifications of EN 10277. The standard version of the rods is untested. Crack and ultrasonic testing can be carried out depending on the specification. Additional heat treatment to achieve specific magnetic properties is possible.

Delivery condition: Other agreement according to order.

For further info on our product range of tool steel, stainless steel and Engineering steel please visit [www.swisssteelgroup.com](http://www.swisssteelgroup.com)

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We reserve the right to make changes and technical improvements without notice. Errors and omissions excepted. The desired performance characteristics are only binding if they had been agreed upon exclusively at the time that the contract was made.

**Swiss Steel Group**

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