

Designation
Free-cutting steel 11SMn30+BX

Execution

Bright Steel, Cold-drawn, Straightness ≤ 0.3 mm/m for round material, Straightness ≤ 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

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The information and data presented herein are typical or average values and are not a guarantee of maximum or minimum values. Only the information reported on our material certificates is to be considered as relevant. Applications specifically suggested for material described herein are made for the purpose of illustration only to enable the reader to make its own evaluation and are not intended as warranties, either express or implied, of fitness for any purposes.

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

Production sites:
Emmenbrücke and Düsseldorf
info.engineering@swisssteelgroup.com

Page 1/1