

Production range

Steeltec designation	DIN/EN	ASTM	JIS	Material No.	Process	Size range mm	Tolerance
36SMn14+BX	36SMn14	~SAE 1137	~SUM41	1.0764	+C	8 – 63	H9

Chemical composition (Melt analysis in percentage by mass DIN EN ISO 683-7)

Other	C	Si	Mn	P	S	B*
min.	0,32		1,30		0,10	0.0008
max.	0,39	0,4	1,70	0,060	0,18	0.0100

* Special version in compliance with the standard. However, the manufacturer can add elements such as Ca, Se, Te, etc. by agreement to improve machinability.

Customized chemical analyses are possible after consultation.

Mechanical properties (Supplied condition cold drawn DIN EN ISO 683-7)

Size range [mm]	R _{p0,2} [N/mm ²]	R _m [N/mm ²]	A ₅ [%]
≥ 5 ≤ 10	≥ 500	660 – 960	≥ 6
> 10 ≤ 16	≥ 440	620 – 920	≥ 6
> 16 ≤ 40	≥ 390	600 – 900	≥ 7
> 40 ≤ 63	≥ 360	580 – 840	≥ 8

Customized mechanical properties are possible after consultation.