



SWISS MADE PRECISION INSTRUMENTS  
100% MANUFACTURED IN SWITZERLAND



info@regine.ch  
www.regine.ch

## MATERIAL TECHNICAL DATASHEET

### CARBON STEEL CK 67 FOR TWEEZERS (ORD)

Material number 1.1231 (AISI 1070)

### COMPOSITION

	C	Si	Mn	P	S	Cr	Mo	Ni
Wt %	0.65-0.73	0.15-0.35	0.60-0.90	≤ 0.025	≤ 0.025	≤ 0.40	≤ 0.10	≤ 0.40

### MECHANICAL PROPERTIES AND HOT FORMING

State	Soft Annealed	Hardened + Tempered
Hardness HB30	≤ 210	371 - 525
Hardness Rockwell B	≤ 95	–
Hardness Rockwell C	–	37 - 49.5
Tensile strength (N/mm <sup>2</sup> )	≤ 640	1230 - 1770
Elongation after fracture (L <sub>o</sub> = 5d <sub>o</sub> )	–	≥ 6
Elongation after fracture (L <sub>o</sub> = 80 mm)	≥ 12%	–

Regine Switzerland SA  
P.O. Box 264  
Viale Serfontana 11  
CH-6834 Morbio Inferiore  
Switzerland  
tel +41 91 683 55 37  
fax +41 91 683 93 91

Technical information are provided to the best of Regine Switzerland SA knowledge and average values obtained from laboratory's test made on the material.

Regine Switzerland SA declines all responsibility from an improper application or use of the product described in this documents.