



SIDERMARCA

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Società assoggettata a direzione
e coordinamento da parte di Lucefin S.p.A.



A06 - Customer: KROKAR D.O.O.		SPODNJI PLAVZ 28		4270 - JESENICE		SLOVENIA									
A02 - Type of inspection document				A03 - Document number		Z02 - Date of issue									
Values of the Certificate of Control 3.1 according to EN 10204:2004 Manufacturer				CRT2500001305		23/10/2025									
B02 - Grade - B03 - Execution - B01 - Section															
39NiCrMo3Bi+QT+C Cold Drawn Round															
B02 - Standard of reference (edition in force at the date of the order) Scheda Lucefin_00															
B09 - Size [mm]		B03 - Tolerance		B04 - Delivery condition		B05 - Heat treatment									
15		h9		+QT+C		Quenching and Tempering									
A09 - Customer article designation		B08 - Quantity		B10 - Length [mm]											
		[kg] 102		3050											
B07 - Lot		B07 - Heat		C70 - Stellmaking process		C93 - Reduction ratio of the hot rolled									
L25002284		235595				119,49									
A07 - Your Order		A08 - Our Confirmation		A10 - Transport document NR.											
9-NAR-25-0957		MRA2518871		MRA2508632 of 23/10/2025											
HEAT ANALYSIS															
C71	C72	C73	C74	C75	C76	C77	C78	C80	C89						
C %	Si %	Mn %	P %	S %	Cr %	Mo %	Ni %	Al %	Bi %						
0,3500	0,330	0,720	0,0150	0,0250	0,820	0,1850	0,750	0,0130	0,0390						
C50 - Jominy test H 1.5 mm															
mm	1,5	3	5	7	9	11	13	15	20	25	30	35	40	45	50
HRC	56,00	55,00	54,00	52,00	51,00	50,00	47,00	45,50	40,50	38,00	36,00	34,50	34,00	33,00	32,50
Reference mechanical properties of the specimen:															
- Heat treatment: +QT															
Tensile test according to standard EN-ISO 6892															
C12 - Rm [MPa]		C11 - Re-Rp 0,2 (*) [MPa]		C13 - A % 5d-L		C14 - Z% L									
1.049,0		969,0		12,20		56,2									
* According to the reference standard															
Resilienza KV2 +20°C secondo la norma EN-ISO 148 / Impact test KV2 +20°C according to standard EN-ISO 148 / Kerbzähigkeit KV2 +20°C nach Standard EN-ISO 148 / Resilience KV2 +20°C Selon la norme EN-ISO 148															
KV2[J]		KV2[J]		KV2[J]											
74,0		71,0		71,0											
Resilienza KV2 -40°C secondo la norma EN-ISO 148 / Impact test KV2 -40°C according to standard EN-ISO 148 / Kerbzähigkeit KV2 -40°C nach Standard EN-ISO 148 / Resilience KV2 -40°C Selon la norme EN-ISO 148															
KV2[J]		KV2[J]		KV2[J]											
51,0		51,0		53,0											
HARDNESS ACCORDING TO STANDARD EN-ISO 6506-1															
C30 - HB															
C42 - 311															
Grain Size ASTM E112 7,00															

Z01 - Remarks:

Il materiale non contiene prodotti di acciaio originari della Russia menzionati nell'Allegato XVII del Regolamento (UE) n. 833/2014 e sue ulteriori modifiche/
The material does not contain steel products originating in Russia mentioned in Annex XVII of Regulation (EU) No 833/2014 and its additional amendments.

The product supplied complies with the requirements of the order.

This product complies with the Directive 2011/65/EU RoHS II

This product complies with the Regulation (EC) n. 1907/2006 REACH

Material free from radioactive contamination

A05 - Responsible for quality control

Luca Penato