



# SIDERMARCA

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



A06 - Customer: <b>KROKAR D.O.O.</b>		SPODNJI PLAVZ 28		4270 - JESENICE		SLOVENIA									
A02 - Type of inspection document <b>Values of the Certificate of Control 3.1 according to EN 10204:2004 Manufacturer</b>				A03 - Document number <b>CRT2500001305</b>		Z02 - Date of issue <b>29/10/2025</b>									
B02 - Grade - B03 - Execution - B01 - Section <b>39NiCrMo3Bi+QT+C Cold Drawn Round</b>															
B02 - Standard of reference ( edition in force at the date of the order) <b>Scheda Lucefin_00</b>															
B09 - Size [mm] <b>15</b>		B03 - Tolerance <b>h9</b>		B04 - Delivery condition <b>+QT+C</b>		B05 - Heat treatment <b>Quenching and Tempering</b>									
A09 - Customer article designation			B08 - Quantity <b>[kg] 101</b>			B10 - Length [mm] <b>3050</b>									
B07 - Lot <b>L25002284</b>		B07 - Heat <b>235595</b>		C70 - Stellmaking process		C93 - Reduction ratio of the hot rolled <b>119,49</b>									
A07 - Your Order <b>9-NAR-25-1017</b>			A08 - Our Confirmation <b>MRA2520093</b>			A10 - Transport document NR. <b>MRA2508794 of 29/10/2025</b>									
<b>HEAT ANALYSIS</b>															
C71	C72	C73	C74	C75	C76	C77	C78	C80	C89						
C %	Si %	Mn %	P %	S %	Cr %	Mo %	Ni %	Al %	Bi %						
<b>0,3500</b>	<b>0,330</b>	<b>0,720</b>	<b>0,0150</b>	<b>0,0250</b>	<b>0,820</b>	<b>0,1850</b>	<b>0,750</b>	<b>0,0130</b>	<b>0,0390</b>						
<b>C50 - Jominy test H 1.5 mm</b>															
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
<b>Reference mechanical properties of the specimen:</b>															
<b>- Heat treatment: +QT</b>															
Tensile test according to standard EN-ISO 6892															
C12 - Rm [MPa] <b>1.049,0</b>		C11 - Re-Rp 0,2 (*) [MPa] <b>969,0</b>		C13 - A % 5d-L <b>12,20</b>		C14 - Z% L <b>56,2</b>									
* 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 / Kerbzhägigkeit KV2 +20°C nach Standard EN-ISO 148 / Resilience KV2 +20°C Selon la norme EN-ISO 148															
KV2[J] <b>74,0</b>	KV2[J] <b>71,0</b>	KV2[J] <b>71,0</b>													
Resilienza KV2 -40°C secondo la norma EN-ISO 148 / Impact test KV2 -40°C according to standard EN-ISO 148 / Kerbzhägigkeit KV2 -40°C nach Standard EN-ISO 148 / Resilience KV2 -40°C Selon la norme EN-ISO 148															
KV2[J] <b>51,0</b>	KV2[J] <b>51,0</b>	KV2[J] <b>53,0</b>													
<b>HARDNESS ACCORDING TO STANDARD EN-ISO 6506-1</b>															
C30 - HB	<b>311</b>														
C42 -	<b>311</b>														
Grain Size ASTM E112				<b>7,00</b>											

### 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*