



# 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
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A02 - Type of inspection document	A03 - Document number	Z02 - Date of issue
<b>Values of the Certificate of Control 3.1 according to EN 10204:2004 Manufacturer</b>	<b>CRT2500019140</b>	18/03/2026

B02 - Grade - B03 - Execution - B01 - Section
<b>C45E+AR Hot Rolled Round</b>

B02 - Standard of reference ( edition in force at the date of the order)	<b>EN ISO 683-1/18</b>
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B09 - Size [mm]	B03 - Tolerance	B04 - Delivery condition	B05 - Heat treatment
<b>160</b>	<b>EN 10060</b>	<b>+AR</b>	<b>As rolled</b>

A09 - Customer article designation	B08 - Quantity	B10 - Length [mm]
	<b>[kg] 324</b>	<b>2000</b>

B07 - Lot	B07 - Heat	C70 - Stellmaking process
<b>L25029969</b>	<b>25703109</b>	

A07 - Your Order	A08 - Our Confirmation	A10 - Transport document NR.
<b>00050</b>	<b>MRA2605366</b>	<b>MRA2602393 of 18/03/2026</b>

HEAT ANALYSIS									
C71	C72	C73	C74	C75	C76	C77	C78	C79	C91
C %	Si %	Mn %	P %	S %	Cr %	Mo %	Ni %	Cu %	Cr+Mo+Ni %
<b>0,4600</b>	<b>0,210</b>	<b>0,650</b>	<b>0,0180</b>	<b>0,0240</b>	<b>0,070</b>	<b>0,0040</b>	<b>0,030</b>	<b>0,0400</b>	<b>0,104</b>

### Mechanical properties

Tensile test according to standard EN-ISO 6892

C12 - Rm [MPa]	C11 - Re-Rp 0,2 (*) [MPa]	C13 - A % 5d-L
<b>650,0</b>	<b>420,0</b>	<b>20,00</b>

\* According to the reference standard

Resilienza KV2 secondo la norma EN-ISO 148 / Impact test KV2 according to standard EN-ISO 148 / Kerbzähigkeit KV2 nach Standard EN-ISO 148 / Resilience KV2 Selon la norme EN-ISO 148

KV2[J]	KV2[J]	KV2[J]
<b>31,0</b>	<b>32,0</b>	<b>33,0</b>

Grain Size (ASTM E112)	<b>7,00</b>
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**- Materiale controllato ad ultrasuoni cl.3 EN 10308**

### Z01 - Remarks:

**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 Perato*