



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
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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	CRT2500023106	20/05/2026

B02 - Grade - B03 - Execution - B01 - Section
1.1191 - C45E+AR Hot Rolled Round

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

A09 - Customer article designation	B08 - Quantity	B10 - Length [mm]
	[kg] 280	500

B07 - Lot	B07 - Heat	C70 - Stellmaking process
L25037965	T59467	

A07 - Your Order	A08 - Our Confirmation	A10 - Transport document NR.
235	MRA2609837	MRA2604247 of 20/05/2026

HEAT ANALYSIS										
C71	C72	C73	C74	C75	C76	C77	C78	C79	C80	C91
C %	Si %	Mn %	P %	S %	Cr %	Mo %	Ni %	Cu %	Al %	Cr+Mo+Ni %
0,4800	0,264	0,730	0,0130	0,0050	0,050	0,0140	0,040	0,0500	0,0230	0,104

C50 - Jominy test H 1 mm																
mm	1	2	3	4	5	6	7	8	9	10	11	13	15	20	25	30
HRC	59	58	56	43	33	31	30	30	29	28	28	26	25	23	22	20

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
757,0	665,0	24,60	66,9

* 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 / Kerbzhähigkeit KV2 +20°C nach Standard EN-ISO 148 / Resilience KV2 +20°C Selon la norme EN-ISO

KV2[J]	KV2[J]	KV2[J]
107,0	107,0	81,0

HARDNESS ACCORDING TO STANDARD EN-ISO 6506-1

C30 - HB
C42 - 163

Grain Size (ASTM E112) **8,00**

- Antimescolamento SI - Materiale controllato ad ultrasuoni ci.C SEP 1921

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