



SIDERMARCA

SIDERMARCA S.R.L.
Via della Libertà, 46
I-31050 Ponzano Veneto (TV)
Tel. +39 0422 96 30 69
Fax +39 0422 96 90 32

P.IVA e C.F. 110238004026/
R.E.A. TV 206888 | Cap. Soc. € 31.200 i.v.
info@sidermarca.com | sidermarca@legalmail.it | www.lucefin.com
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	CRT2500009123	28/01/2026

B02 - Grade - B03 - Execution - B01 - Section
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
180	EN 10060	+AR	As rolled

A09 - Customer article designation	B08 - Quantity	B10 - Length [mm]
	[kg] 618	3070

B07 - Lot	B07 - Heat	C70 - Stellmaking process	C93 - Reduction ratio of the hot rolled
L25014350	46160		6,25

A07 - Your Order	A08 - Our Confirmation	A10 - Transport document NR.
9-NAR-26-0083	MRA2601714	MRA2600713 of 28/01/2026

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	0,300	0,770	0,0090	0,0220	0,110	0,0090	0,022	0,0310	0,0300	0,141

C50 - Jominy test H 1 mm																
mm	1	2	3	4	5	6	7	8	9	10	11	13	15	20	25	30
HRC	60	59	53	48	43	39	35	32	30	29	28	27	25	24	23	22

Reference mechanical properties of the specimen:

- Heat treatment:

Tensile test according to standard EN-ISO 6892

C12 - Rm [MPa]	C11 - Re-Rp 0,2 (*) [MPa]	C13 - A % 5d-L	C14 - Z% L
689,0	388,0	23,00	32,0

* According to the reference standard

- 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 Penato