



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 | CRT2500022695 | 12/03/2026 |

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|---|
| B02 - Grade - B03 - Execution - B01 - Section |
| 42CrMo4+QT Hot Rolled Round |

| | |
|--|------------------------|
| B02 - Standard of reference (edition in force at the date of the order) | EN ISO 683-2/18 |
|--|------------------------|

| | | | |
|-----------------|-----------------|--------------------------|--------------------------------|
| B09 - Size [mm] | B03 - Tolerance | B04 - Delivery condition | B05 - Heat treatment |
| 120 | EN 10060 | +QT | Quenching and Tempering |

| | | |
|------------------------------------|-----------------|-------------------|
| A09 - Customer article designation | B08 - Quantity | B10 - Length [mm] |
| | [kg] 544 | 6000/6500 |

| | | | |
|------------------|---------------|---------------------------|---|
| B07 - Lot | B07 - Heat | C70 - Stellmaking process | C93 - Reduction ratio of the hot rolled |
| L25036706 | T58043 | | 11,70 |

| | | |
|----------------------|------------------------|---------------------------------|
| A07 - Your Order | A08 - Our Confirmation | A10 - Transport document NR. |
| 9-NAR-26-0166 | MRA2604295 | MRA2602207 of 12/03/2026 |

| HEAT ANALYSIS | | | | | | | | | |
|---------------|--------------|--------------|---------------|---------------|--------------|---------------|---------------|---------------|--|
| C71 | C72 | C73 | C74 | C75 | C76 | C77 | C79 | C80 | |
| C % | Si % | Mn % | P % | S % | Cr % | Mo % | Cu % | Al % | |
| 0,4300 | 0,304 | 0,820 | 0,0170 | 0,0280 | 1,170 | 0,1980 | 0,0200 | 0,0250 | |

| 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 | 58,00 | 58,00 | 57,00 | 56,00 | 56,00 | 56,00 | 55,00 | 55,00 | 53,00 | 51,00 | 48,00 | 46,00 | 45,00 | 43,00 | 42,00 |

Mechanical properties

Tensile test according to standard EN-ISO 6892

| | | | |
|----------------|---------------------------|----------------|-------------|
| C12 - Rm [MPa] | C11 - Re-Rp 0,2 (*) [MPa] | C13 - A % 5d-L | C14 - Z% L |
| 895,0 | 754,0 | 20,80 | 65,3 |

* 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] |
| 117,0 | 114,0 | 114,0 |

HARDNESS ACCORDING TO STANDARD EN-ISO 6506-1

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|------------------|
| C30 - HB |
| C42 - 277 |

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

- 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