SUPPLY INFORMATION / ENGLISH / NOVEMBER 2026

Grinding rods. 65Mn.

Finished rods for rod mills. Heat treated, straightened and cut to the length accepted in your order.

Ø60-160 mm	Cut to order	Inspection to the agreed specification



Grinding rods in strapped bundles with labels and painted ends. Photograph: JOTAIN Materials.

Define the rod to be supplied

ITEM	SUPPLY AND PURCHASE BASIS
Product	Finished 65Mn steel grinding rods.
Diameter	Regular Ø60-160 mm. Specify the nominal diameter and tolerance in the order.
Length	Cut to the fixed length accepted in the order, matched to the mill’s working space.
Preparation	Heat treatment, straightening and cutting.
Hardness	Define the acceptance range, method, specimen preparation and test locations in the specification.
Straightness and ends	Agree the measurement method, tolerance and end condition before manufacture.
Identification	Link the material heat and manufacturing lot to test records and bundle markings.
Delivery	Define quantity, packing, bundle mass, destination and required documents in the offer.

The diameter range applies to finished grinding rods. Round-bar feedstock is a separate supply form and needs its own size, condition and inspection review. Specify the governing standard and edition. Review SUP6 and 66Mn4 separately; a cross-reference does not make them interchangeable with 65Mn.

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From requirements to records

Agree how the rods will be checked

For hardness, specify the scale, specimen preparation, surface and core test positions, and acceptance ranges. For diameter, length and straightness, define tolerances, the measurement method and the sampling plan.

The inspection record should connect each result to the specimen, material heat and processing lot. Bundle identifiers and the packing list let the receiving team check those links. Agree the required inspection document and its contents before ordering. [1, 2]

Theoretical masses for planning

Estimates assume a solid cylindrical rod and nominal density of 7,850 kg/m³. The commercial mass follows the weighing basis agreed in the order. [3]

Mass per metre = π × (diameter in mm / 1,000)² × 7,850 / 4

NOMINAL DIAMETER	THEORETICAL MASS	ONE ROD: L IN METRES
60 mm	22.20 kg/m	22.20 × L kg
80 mm	39.46 kg/m	39.46 × L kg
100 mm	61.65 kg/m	61.65 × L kg
120 mm	88.78 kg/m	88.78 × L kg
140 mm	120.84 kg/m	120.84 × L kg
160 mm	157.83 kg/m	157.83 × L kg

Rounded to two decimals; packing excluded. This table does not establish stock availability, dimensional tolerances or lifting-equipment capacity.

Send the specification you use

Include diameter and length, quantity, mill identification, material standard and condition, hardness requirements, tolerances, tests, packing, destination and required arrival date. Mark any items still to be agreed.

Prepare your enquiry at jotainmaterials.com

SOURCES AND TECHNICAL READING

1. JOTAIN Materials: Grinding rod hardness profile.
2. JOTAIN Materials: Batch consistency, inspection and traceability.
3. SSAB: 20 questions about steel, question 3 (approximate density).
4. JOTAIN Materials: Current 65Mn finished-rod supply scope.

The density is a calculation assumption, not a test result for a 65Mn lot. This sheet describes supply scope and order inputs. Measured values and material release belong in the corresponding lot inspection report.