

PRODUCT SUPPLY PROFILE

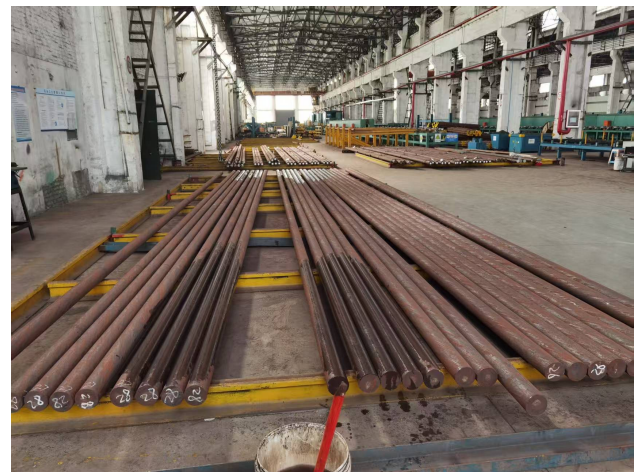
42CrMo4 / 4140

Quenched and tempered round bar

JOTAIN supplies QT round bars and machined blanks for shafts, rods and pins, with cutting, peeling and machining to the agreed order scope.

Published supply range

Diameter	20-400 mm
Length	3-12 m
Condition	Quenched and tempered (QT)
Surface	Black, peeled or machined



Round-bar handling shown in JOTAIN website imagery.

Confirm the combination in the quotation: grade, diameter, length, properties and surface. The published size range does not establish one property level for every size.

Processing and delivered form

JOTAIN operates its own downstream Q&T and bar-processing operations. The producing mill, processing route and delivery scope are identified for the order. Define whether the supply is a bar or a machined blank, and which operations remain after delivery.

Specify the bar as it will be delivered

State the final diameter and length, tolerances and machining allowance. Where needed, add straightness, ovality, end preparation and surface requirements. QT describes the heat-treatment condition; black, peeled and machined describe the surface or processing route.

[Current product information](#)

Agree the specification

Use the ordered section, test conditions and records together.

01 Grade and controlling standard

Name the product standard and edition, grade and delivery condition. 42CrMo4 and SAE 4140 require their respective specification routes; any proposed alternative needs purchaser approval.

02 Properties and test representation

Pair strength, ductility, impact or hardness requirements with the section and condition they represent. State specimen location, orientation, method and sampling; add impact temperature and hardness scale where required.

03 Inspection and traceability

Agree inspection-document type, tests, acceptance criteria and any purchaser review points. Specify ultrasonic method and coverage when required. Link the supplied material to its heat, processing lot, test records and bar or bundle identity.

The published redacted MTC examples explain document format. Shipment evidence must identify the material actually supplied.

Start with the information available

Send grade and standard, diameter, length, quantity, QT and surface requirements, and destination. Include the drawing or property schedule when available; identify open points for technical review.

[Download the QT enquiry form](#)

Fillable English form, 2 pages. Save the completed copy and send it with supporting files through the contact options below.

[Contact JOTAIN | jotainmaterials.com/contact/](https://jotainmaterials.com/contact/)

Sources and supporting information

[Product and published sizes](#)

[Factory and processing scope](#)

[Mechanical-property RFQ guide](#)

[Quality documents and MTC examples](#)

JOTAIN public information checked 9 September 2026.

General supply information. Order-specific requirements are agreed in the accepted specification.