

ALUMINUM 7075 / A BETTER STARTING BRIEF

7075 CNC machining. From callout to component.

Prepare the material, geometry, finish and inspection requirements for a useful quotation. For custom brackets, hubs, housings and motion-system interfaces.



Real manufacturing reference. The order specification and material records establish the actual alloy and temper.

01 **Define the material.**

Specify 7075, the exact temper, governing product standard, stock form and required material evidence.

02 **Connect the geometry.**

Send the model and controlled drawing. Mark datums, functional bores, thin walls, pockets and the interfaces that decide fit.

03 **Quote the finished part.**

Include treatment, masking, final dimensions, first and repeat quantities, required reports and delivery destination.

Use this guide with the released drawing. It is a preparation checklist, not a material certificate, engineering approval or universal capability guarantee.

REVIEW THE DECISIONS BEFORE MANUFACTURING

Three decisions. One connected specification.

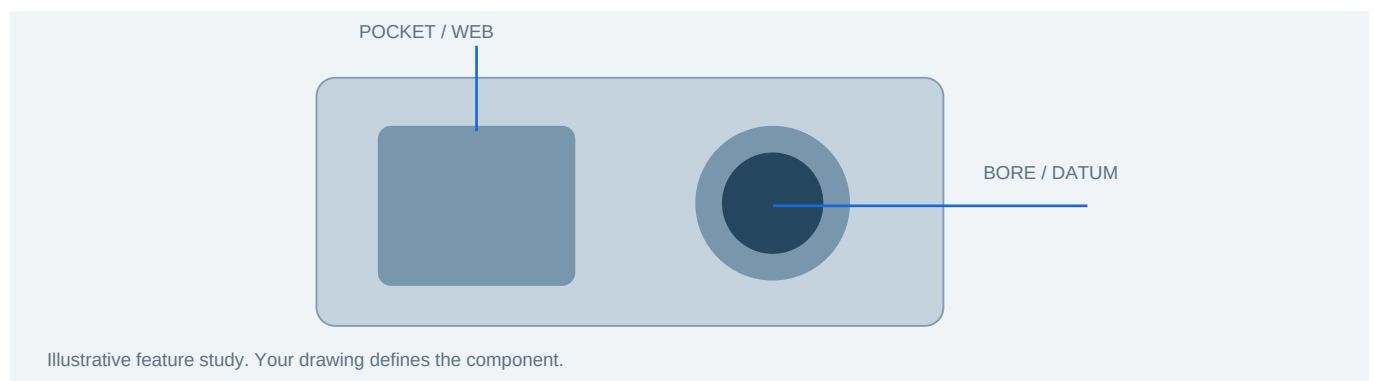
7075 is considered for strength-sensitive, weight-conscious components. The temper, environment and geometry still matter. Use the condition approved for the actual design.

01 Material and temper

T6, T651 and T73-type conditions are different choices. Product form and specification matter. Review strength and corrosion considerations with engineering; do not approve a substitution from a similar name alone.

02 Stock and machining

Review stock form, removal volume, workholding and access together. For milling or five-axis review, identify pockets, webs and multiple-face relationships. For turning or turn-mill, define bores, shoulders, threads and mixed features.



03 Finish and final inspection

Specify colored or hard anodizing, or another reviewed treatment. Define coating, thickness, appearance references and masked interfaces. Agree the final measurement condition, sampling, material records and report scope.

Comparing with 6061? Review the complete requirement: strength needs, exposure, geometry, finish, material availability and cost. A grade change needs engineering approval.

SEND A COMPLETE PROJECT PACKAGE

Ready for a useful quote.

☐ **Drawing package**

STEP / STP, dimensioned PDF and controlled revision.

☐ **Material callout**

7075 + exact temper + governing standard + stock form.

☐ **Critical features**

Datums, fits, wall sections, bores, threads and cosmetic faces.

☐ **Final surface**

Process, thickness, color/sample, masking and acceptance condition.

☐ **Quantity and timing**

First quantity, repeat demand, required date and delivery country.

☐ **Records and handling**

Material certificate, traceability, dimensional report and packing.

Project notes / drawing revision

Confidential project? Request an NDA before sending sensitive files. A general part description is enough for the first discussion.

Start your quotation at wekooem.com/contact

Email: info@wekosupply.com

TECHNICAL REFERENCES

[Kaiser Aluminum - 7075 Rod and Bar technical data](#)

[Hydro - 7075 aluminum overview](#)

General material references, not a WEKO stock certificate or an approved part specification.