

SPEC01 — Quality Specification

The common language between MECA8760 and its manufacturing partners

Revision A · in force as of 13/10/2026 · document attached to the GTP — English courtesy translation (the French version prevails)

Read this first. This document is not a book of sanctions. It is a partnership tool: it serves to define together the right need in order to target the right price — a help for MECA8760, which expresses its expectation precisely, and a help for the supplier, which quotes accurately and manufactures to the right quality, without needless extra cost.

Over-quality : a cost the end customer will not pay. **Under-quality** : disputes and returns. **Right quality** : the target, together.

The principle at a glance

Four quality criteria, each graded on four levels. For each part, we choose the level matching its real criticality. The result is written as a short code carried on the request for quotation, the drawing and the order (for example: A2 · B2 · C3 · D3).

	Criterion	What it covers
A	Dimensioning & tolerances	Dimensional and geometric accuracy, and the associated inspection.
B	Cleanliness & finish	Surface finish, deburring, cleanliness of the delivered part.
C	Packaging	Packaging, protection and shipment of the parts.
D	Documentation & traceability	Documents, identification and material traceability.

The four levels

	Level	Spirit
1	The essentials	The strict minimum, without formalism.
2	Inspected	Verification of functional points.
3	Attested	Inspection evidence and traceability.
4	Controlled	Critical part, full inspection, zero derogation.

The cumulative rule — a must-read

The requirements of a level always add to those of the lower levels. A level neither cancels nor replaces those before it: it completes them.

Example: B3 = B1 + B2 + requirements specific to level 3.

This rule is contractual. A high level never dispenses with the requirements of the lower levels, even if they are not restated in the detail of the level ordered.

The reference grid

The overview: what each level covers, criterion by criterion.

Criterion	Level 1 THE ESSENTIALS	Level 2 INSPECTED	Level 3 ATTESTED	Level 4 CONTROLLED
A dimensions, geometry, inspection	ISO 2768 by default · standard surface finishes · derogation possible · no report	Inspection of critical dimensions, threads and functional forms · derogation if the end customer accepts it	Inspection report provided · reinforced receipt (consistency of measurements)	Report + ISO 2859 sampling · full dimensional inspection · no derogation
B surface, deburring, cleanliness	No specific requirement unless stated on the drawing · internal derogation possible	Clean, no excess oil or oxidation · sharp edges tolerated unless stated on drawing	No detachable burr or sharp edge · degreased · no material residue	Fully cleaned · controlled grain direction · functional surfaces carefully finished
C packaging, shipment	No specific requirement	Packaging suited to transport · carrier not "black-listed"	Packaging specified and maintained (e.g. box + bag, fixed quantities)	Packaging and carrier imposed · repeatable procedure
D documents, identification	OA or validation e-mail · exchanges by e-mail	OA + delivery note · minimal identification linking the shipment to the order	3.1 material certificate + treatment certificate · full label per reference	Declaration of conformity · measurement report · batch-management system ensuring traceability

The detail, criterion by criterion

Reminder: requirements add up from level 1 to level 4 (see the cumulative rule).

A — Dimensioning, dimensions and tolerances

category A

N1	- Where no tolerance is specified on the drawing, the following applies by default: ISO 2768 mK (machining), fH (EDM & grinding), cL (sheet metal, bending, welding, water-jet & laser cutting), vL (plasma & flame cutting), 0 / +2 mm (sawing & cut-to-length). - If a tolerance is exceeded: do not scrap — isolate, identify, warn MECA8760; a derogation is possible. - No dimensional inspection on receipt by MECA8760, no report required. - Surface finishes: Ra 3.2 · Ra 6.3 (sheet metal & cutting) · Ra 1.6 (EDM) · Ra 0.8 (grinding) · Ra 0.2–0.4 (manual finishing).
N2	- Where no tolerance is specified on the drawing: warn and request the information from MECA8760. - Dimensional inspection of critical dimensions, threads, tapped holes and functional forms on receipt. - Derogation possible, subject to acceptance by the end customer.
N3	- Inspection report to be provided. - Reinforced receipt inspection, verifying consistency between the supplier's measurements and those of MECA8760.
N4	- Inspection report with ISO 2859 sampling, or frequencies defined with MECA8760, or a method proposed by the supplier ensuring manufacturing follow-up. - Full dimensional inspection on receipt (MECA8760 or metrology firm). - No derogation possible.

B — Cleanliness and finish

category B

N1	- No specific requirement, unless stated on the drawing. - Internal derogation possible.
N2	- Delivered clean: no dirt, dust, excess oil, or trace of significant oxidation on functional surfaces. - Un-deburred sharp edges accepted unless precisely stated on the drawing; burrs and beads not accepted unless stated on the drawing. - Marks, impacts, scratches admitted if light and without functional impact; sanding and abrasive finishing admitted while respecting surface finishes.
N3	- No detachable burr, no sharp edge, unless explicitly stated. - Degreased, free of oil and dirt; no material residue (e.g. chips at the bottom of a tapped hole). - Marks, impacts, scratches not admitted; derogation possible if accepted by the end customer.
N4	- Fully cleaned and clean; the process may be imposed by MECA8760. - No burr, detachable material or bead; no scoring, scratch, file mark, impact or tool mark. - Sanding and abrasive finishing admitted only if uniformity is guaranteed and the grain direction is regular: straight on a flat surface, circular on a surface of revolution. - Sealing surfaces, seal seats and bearing housings: particular care (surface finish, cleanliness, grain direction to be defined with MECA8760).

C — Packaging and shipment

category C

N1	No specific requirement.
N2	Packaging sufficient for transport (parcel or pallet).

	● The supplier checks that the carrier is not "black-listed" by MECA8760 (e.g. Chronopost); failing that, it lets MECA8760 arrange transport.
N3	● Suitable internal packaging during the production phases. ● Final packaging specified on the offer and the order, maintained from one order to the next (e.g. C40 box + lid, 20 parts/box; plastic bag, 2 parts/bag).
N4	● Packaging imposed (production and shipment), carrier imposed. ● Packaging procedure defined to ensure the repeatability of the operation.

D — Documentation and traceability

category D

N1	● Order acknowledgement or e-mail reply to validate the conditions of performance. ● Documents transmitted by e-mail only (production@meca8760.fr); paper documents not processed. ● Material certificate and treatment certificate not required, unless specified.
N2	● OA + delivery note required. ● Free identification allowing, at minimum, a shipment to be linked to its order.
N3	● 3.1 material certificate (not re-transcribed) mandatory; treatment certificate (or at least the supplier's delivery note). ● Measurement report if specified on the order. ● Label per reference: customer and supplier order no., ref., revision, designation, quantity. Distinct identification of parts under derogation or showing a defect.
N4	● Declaration of conformity. ● Treatment certificate with measurement report mandatory. ● A batch-management system in place at the supplier, ensuring traceability — and not the mere reporting of a batch no. on the label. ● Batch no. carried on the identification label (e.g. two heat numbers for the same reference).

A useful — and necessary — tool for both parties

A single document that makes everyone's work easier.

FOR THE SUPPLIER	FOR MECA8760
Quote accurately, produce with peace of mind	Express the need without ambiguity
- You know precisely what is expected — and what is not. - You avoid the over-quality no one pays for. - You reduce returns, disputes and misunderstandings. - You submit a comparable offer, on a clear basis.	- We describe the real requirement of each part. - We compare offers on an equal-requirement basis. - We secure quality where it matters, without waste elsewhere. - We build a lasting and legible relationship.

Defining the **right need** means obtaining the **right price** for the **right quality** — the quality the end customer truly needs.

Document status

SPEC01 is attached to MECA8760's General Terms of Purchase. It is a contractual document: transmitted with every request for quotation and every order, its acceptance binds the parties to comply with the levels indicated.

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Contact. Requests, inspection reports, material certificates and certificates: production@meca8760.fr