Special alloy fastener PO & receiving checklist

For buyers ordering A-286, Alloy 718, Alloy 625 or C-276 bolts and studs. Complete the part definition before comparing quotations; check the delivered lot against the accepted order.

Before placing the order

Record on the PO / drawing	Resolve with the supplier
Part definition	Part form, drawing number/revision, units, dimensions and datum; complete thread designation and class; finish; mating nuts/washers; quantity per size.
Material and final condition	Exact alloy / UNS; material product-form specification; required delivery condition; governing finished-part specification and edition. Identify any proposed alternative explicitly.
Tests and documents	Required certificate type, applicable tests, test objects/lot basis and acceptance criteria. Agree additional PMI, third-party inspection and processing records before production.
Traceability and approval	Link material heat, process/test lot and packing identifiers. Name the purchaser authorized to accept a deviation. Resolve exceptions before order confirmation.

A-286 and 718: keep the requirements distinct

A-286 / UNS S66286	Alloy 718 / UNS N07718
If A453/A453M Grade 660 governs, specify the approved Class A, B, C or D and edition. An AMS material certificate does not automatically close the finished-bolting requirements.	B637 and AMS 5662/5663 concern material forms and conditions. Define the finished-bolt acceptance separately; specify manufacturing/heat-treatment sequence where the order controls it.
Do not select a class from a generic hardness chart. Review the ordered tests and lot evidence against the applicable requirements.	A room-temperature result is not a universal hot-joint rating. Order any required elevated-temperature evidence on the correct test basis.

Historical examples, not certificates for your order: redacted 310 fastener MTC | PMI sample. These examples do not certify 718, A-286 or C-276. The shipment records must cover the actual supplied material and lot.

BYBOLT delivery baseline: MTC / EN 10204 3.1, heat-number traceability and mechanical testing. Methods, sampling and acceptance follow the agreed specification; threaded features include sampled GO / NO-GO gauging. Additional scope is agreed separately.

Receiving: check, hold, clarify, then release

Use the agreed PO, drawing and inspection plan. The C-276 example below separates passing one check from accepting the complete delivery.

Check	Evidence to reconcile	Disposition
Identity / chemistry	Lot chemistry against the specified alloy. For agreed PMI: method, reported elements, coverage and tested-part identification.	Pass this check only within the method's limits. XRF does not measure carbon or prove heat treatment, strength or corrosion life.
Heat / lot linkage	Packing list, labels, required markings, material certificates and process/test records. Different identifiers may be linked by a controlled cross-reference.	Hold the affected lot if that chain cannot be established. Request the missing cross-reference; do not assume numbers must all be identical.
Material vs finished part	Identify the document covering starting stock and the evidence covering finished dimensions, threads, condition and required tests.	Clarify a raw-bar-only package when the PO also requires finished-part evidence. B574 identifies a C-276 rod/bar scope, not the complete bolt acceptance.
Geometry / threads	Correct form and length datum, dimensions, complete thread and class, condition, coating allowance and agreed gauging coverage.	Hold damaged or nonconforming items for documented disposition. A trial fit does not establish every required thread feature.
Final release	Required results, acceptance limits, representative lot, closed exceptions and authorized approval.	Release only when all applicable requirements are met or an authorized deviation is recorded. A passing PMI result does not waive other requirements.

Keep an actionable receiving record

PO / revision: _____ Delivery / lot: _____
Open point: _____
Affected items identified and kept from installation: _____
Supplier clarification / approved disposition: _____
Release authorized by / date: _____

Start an enquiry: byboltalloy.com/en/request-a-quote/
Send the drawing or known dimensions, material, quantity and document requirements. Open technical points can be identified for review.

References: ASTM A453/A453M-26 public scope; ASTM E1476 public scope; Haynes C-276 product-form specifications. This original checklist organizes purchasing checks; it does not reproduce standard tables or replace the applicable contract, licensed standard or design approval.