



## **Q01 – PACKAGING AND HANDLING**

All parts must be protected prior to shipping from your facility, as applicable to the commodity being shipped. Parts must be returned in the original containers they came in. Depending on the process your company is performing, additional protection may be required by your facility to prevent damage to the services or processes you have performed, as applicable.

The parts shall be handled properly to prevent scratches, nicks and dings, or other types of surface damage. Media such as butcher paper, plastic netting, bubble rap, or other positive protection may be additionally required by your facility. Use of newspaper is not allowed due to the corrosive nature of the ink.

## **Q02 – FIRST ARTICLE INSPECTION (FAI)**

A First Article inspection is required by your facility. The First Article should be documented on an AS9102 form, or you may use your own form provided it contains the same information as the AS9102 form. The first article information must include as a minimum material, heat treat, general notes, flag notes and title block notes.

First article inspection shall be performed on all **new setup, first production lots** of a specific part number, and the First Article Inspection Report shall accompany the first part when it is submitted for Dynamo Aviation's approval.

## **Q03 – COSMETIC INSPECTION ON SURFACE FINISH**

100% cosmetic inspection on surface finish is required to ensure its full achievement to the drawing requirement and free from scratches, nicks, dings, and the completion of this task shall be confirmed on the COC.

## **Q04 – TRACEABILITY / LOT SHIPMENT REQUIREMENTS**

A full traceability from the mill to Dynamo Aviation's suppliers must be provided on the certificate that includes each entity that materials have passed through.

Lots may not be commingled. Shipments may consist of no more than two (2) Manufacturer's lots for each part number included in an order. No quantity of a single manufacturer's lot may represent less than 20 percent of the total quantity per shipment unless otherwise specified on the purchase order.

A production lot shall consist of parts which are all the same configuration fabricated from the same conditions and material, processed (including heat treat) together and produced as one continuous run.

A plating lot (cadmium, anodize, chemical milling, etc) shall consist of treated articles on the same order treated under the same conditions from the same chemical composition from the same tank.

A coating lot (paint, dry film lube, etc) shall be processed as one batch on the same part on the same order. A batch is defined as the end product of all the raw materials mixed or blended in a single or continuous operation.



#### **Q05 – FAA "STATEMENT OF CONFORMITY"**

Products on this order are subject to mandatory Federal Aviation Administration (FAA) conformity inspection verification. When this conformity inspection is performed at supplier's facility, Dynamo Aviation will complete FAA form 8130-9 "Statement of Conformity" and notify the appropriate FAA representative. After completion of the FAA conformity inspection verification, the supplier shall include one copy of FAA form 8130-3 with each conforming part shipped as evidence of inspection. These forms can be provided by Dynamo Aviation purchasing department, if desired.

#### **Q06 – SPECIALTY METALS**

Material supplied must be in accordance with Domestic Specialty Metals Regulation DFAR 252.225-7014, Alternate 1. The country of origin must be declared on the certification.

#### **Q07 – GRAIN FLOW**

Grain flow direction is a requirement of this Purchase Order. Control of grain flow direction should be specified on the purchase order and be as noted on the art drawing. The supplier shall certify to the grain flow direction of the parts produced. If there are any questions or concerns, contact the Dynamo Aviation Purchasing Department for resolution before proceeding with manufacturing the product.

#### **Q08– MACHINED SURFACE WORKMANSHIP**

The machined surface shall be free of scratches, chatter marks, nicks or dings (visible in an un-highlighted condition and can be easily felt with a fingernail), or in a non-uniform appearance. Neither tool marks nor steps

> **0.003** are allowed, nor are cracks, tears and burrs acceptable. The curve, radius or diameter surface shall achieve a min. finish of **63**.

The concentricity shall not exceed a max. TIR **0.010**, unless specified otherwise on the drawing, and the radius shall be full and complete in form.

If there are any questions, contact the Dynamo Aviation Quality Department, or refer to AS291 that is available at <http://www.sae.org>