



# RL-SQC-401 Rev 1.0

## Inspection Requirements for Mechanical Parts

### DOCUMENT PROPERTIES

Document Type	Supplier Quality Clause (Doc Type) (see page 1)
Security Level	Approved for Limited External Use
Export Classification	Not Subject to Regulation - No Technical Data

### DOCUMENT APPROVAL

Author	Reviewer	Approver	Date Released	Status
v.tarantini	m.heneghan	a.bernardo	21 Nov, 2023	<input checked="" type="radio"/> Released

**TABLE OF CONTENTS**

**1 Glossary ..... 4**

**2 Revision History ..... 4**

**3 Document Properties ..... 4**

---

<b>Group</b>	Mechanical - General
--------------	----------------------

<p>Clause</p>	<p>Supplier to inspect all parts in accordance with the following:</p> <ul style="list-style-type: none"><li>• <b>Minor Characteristics:</b> Parts shall be inspected on a sample basis where parts are randomly pulled from the Lot.<ul style="list-style-type: none"><li>◦ Characteristics with this icon are to be inspected on the quantity of parts determined from Table 1.</li><li>◦ Sample Size shall be based on the Lot Size shown in Table 1. Sample Size is the quantity of parts to be inspected.</li><li>◦ Unless otherwise specified, the Lot of parts shall be 'rejected' if a single feature is determined to be non-conforming. In addition, the characteristic determined to be non-conforming will then need to be inspected on 100% of the Lot.</li><li>◦ All measurements are to be recorded.</li></ul></li><li>• <b>Major Characteristics:</b> All parts per lot shall have the identified characteristic 100% inspected. No sampling permitted.<ul style="list-style-type: none"><li>◦ All measurements are to be recorded.</li></ul></li><li>• All threads and threaded features are Minor Characteristics unless otherwise specified. Thread form shall be checked with go/ no-go to the depth specified when applicable.</li><li>• 100% of all parts shall be visually inspected for conformance to all drawing notes as applicable. This includes but is not limited to: Anodize and anodize masking, anodize bleed over, defects such as nicks, dings, scratches, and burrs.</li><li>• If an Inspection Control Plan is provided to the supplier, the Plan will supersede any other inspection requirements of this Quality Clause.</li></ul> <div data-bbox="450 1220 1489 1568" style="border: 1px solid black; padding: 5px;"><ul style="list-style-type: none"><li>• An icon identifies characteristics to be inspected and reported.<ul style="list-style-type: none"><li>◦ In the case where there are multiple characteristics tied to an icon, (such as thread and depth, or multiple holes in a pattern) all features are to be inspected and reported using a format such as 10a, 10b, etc., or 10.1, 10.2, etc</li><li>◦ The numbers within the characteristic icon denote a unique identifier for reporting purposes, not the order of inspection.</li></ul></li></ul></div>
---------------	---

1	Minor Characteristic
1	Major Characteristic

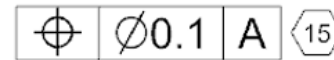
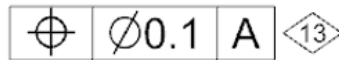
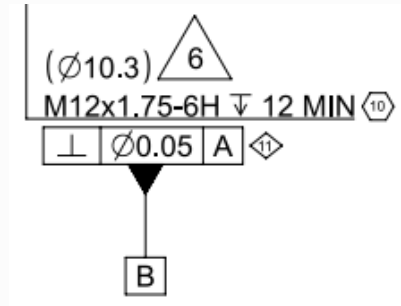


Table 1

Lot Size	Sample Size
2 to 8	2
9 to 15	3
16 to 25	5
26 to 50	8
51 to 90	13
91 to 150	20
151 to 280	32
281 to 500	50
501 to 1200	80
1201 to 3200	125

Rocket Lab expects that all supplied parts meet the full specification within the tolerances given.

Non-Conformances will not be accepted by Rocket Lab unless a concession is given prior to shipment.

## 1 Glossary

### Glossary Term

No content found.

## 2 Revision History

Rev	Author	Date	Change Log / ECN
1	@Vincent Tarantini	📅 20 Nov 2023	First Release – Baseline

## 3 Document Properties

<b>Document Type</b>	Supplier Quality Clause (Doc Type) (see page 1)
<b>Summary</b>	SQC detailing how suppliers are to inspect parts that have characteristics indicated as being major and minor characteristics.
<b>References</b>	N/A
<b>Notes</b>	N/A
<b>Parent Manual</b>	RL-QM-011
<b>Security Level</b>	Approved for Limited External Use
<b>Export Classification</b>	Not Subject to Regulation – No Technical Data

### Legal Warning

© 2023 Rocket Lab Ltd. All rights reserved.

This document (including any attachments and addenda attached hereto) (“Document”) contains the confidential, proprietary, privileged and/or private information and/or trade secrets belonging to Rocket Lab Ltd. Rocket Lab Ltd. retains all title, ownership and intellectual property rights to the information and trademarks contained herein. This Document is provided to recipient on a confidential basis for evaluation purposes only, and may not be reproduced, redistributed or transmitted, in whole or in part, without the prior written consent of Rocket Lab Ltd.