



COMPONENT DEVELOPMENT PLAN

QR071 Iss. 3

Please refer to our Terms and Conditions of Trading - shown on tab 3 below

| | | | | | |
|---------------------|---------------|----------------------|--------------------|----------------------|--|
| Customer | | XYZ Components | | Part Description | Fixture 1 |
| Drawing No. | | 000-0001 | | Drawing Rev No./Date | A |
| Lestercast Part No. | | X99/001 | | Project Engineer | Staff Name |
| Sample Quantity | 25 | Sales Representative | Staff Name | Material | 316 Stainless Steel |
| Customer Contact | Customer Name | | Customer Telephone | 01234 567890 | Customer Email info@xyzcomponents.com |
| Customer Order Ref. | PO12345 | | CDP Revision | 1 | CDP Date 03.01.22 |

| Development Sequence | Planned Completion Date | Revised Completion Date | Actual Completion Date | Will the delay affect the due date? | Reason for Delay |
|----------------------|-------------------------|-------------------------|------------------------|-------------------------------------|------------------|
| Wax Pattern | 03/01/2022 | | 03/01/2022 | | |
| Casting | 24/01/2022 | | 24/01/2022 | | |
| Machining | 01/02/2022 | | 01/02/2022 | | |
| Polishing | 10/02/2022 | | 10/02/2022 | | |
| Inspection Report | 14/02/2022 | | 14/02/2022 | | |
| Despatch Date | 15/02/2022 | | 15/02/2022 | | |

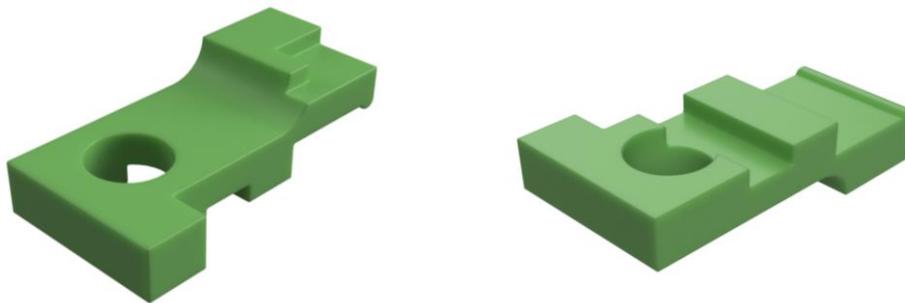
LC Reference Only :
 - Ensure Sample Approval Form and Dimensional Reports are submitted with the final CDP, where applicable.

Lestercast Contacts

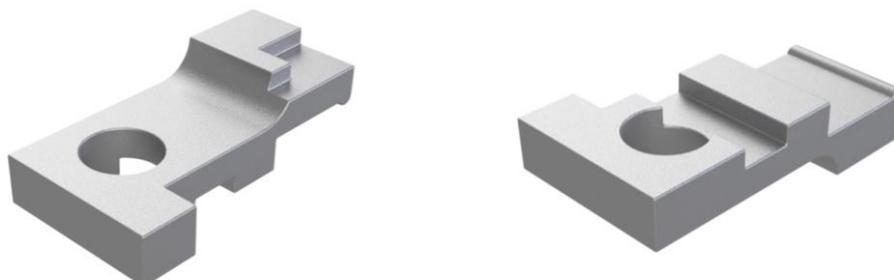
| Position | Name | E-Mail Address |
|-----------|------------------------------------|------------------------|
| Job Title | Staff Name | email@lestercast.co.uk |
| Job Title | Staff Name | email@lestercast.co.uk |
| Job Title | Staff Name | email@lestercast.co.uk |
| Job Title | Staff Name | email@lestercast.co.uk |
| Job Title | Staff Name | email@lestercast.co.uk |
| Job Title | Staff Name | email@lestercast.co.uk |
| Job Title | Staff Name | email@lestercast.co.uk |
| Job Title | Staff Name | email@lestercast.co.uk |
| Job Title | Staff Name | email@lestercast.co.uk |
| Telephone | - 0116 276 7284 (Main Switchboard) | |

DEVELOPMENT PHOTOS

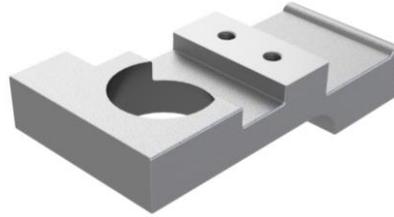
WAX



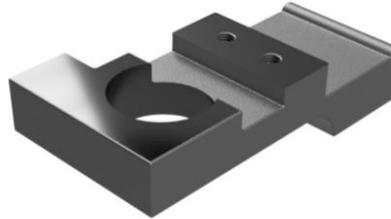
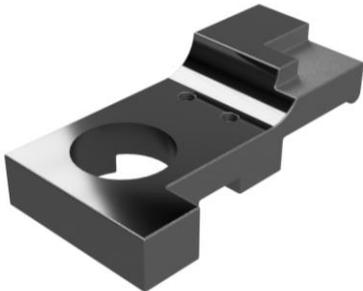
CASTING



MACHINING



POLISHING



TEST REPORT

Test Report



Page 1 of 1

Issue: 1
Date Reported: 11/01/2022
Purchase Order No. S/21140

| | | |
|--|--|--|
| Description The test items were submitted to the laboratory for: <input checked="" type="radio"/> Mechanical - Tensile <input checked="" type="radio"/> Mechanical - Hardness | Specification: AISI 8620 Requirements: Submitted by: Date Sample(s) Received: 06/01/2022 Date(s) tested: 11/01/2022 | Tested For: LESTERCAST LIMITED INVESTMENT CASTING CENTRE IRETON AVENUE LEICESTER LE4 9EU |
|--|--|--|

Sample: 22-00181-001 Mechanical - Tensile Tested in accordance with: ASTM A370 - 2019e1

Elongation method: Elongation at fracture

Description: Longitudinal test piece Test piece type: Round Original gauge length [mm]: 35

| Sample ID | Test piece size [mm] | Yield strength (0.2% offset) [MPa] | Tensile strength [MPa] | Elongation [%] | Reduction of area [%] |
|-----------|----------------------|------------------------------------|------------------------|----------------|-----------------------|
| #1 | 8.74Ø | 633 | 864 | 19.0 | 46 |

Results as found.

Sample: 22-00181-001 Mechanical - Hardness Tested in accordance with: ASTM E18 - 2020

Test type: HRC

| Sample ID | Hardness |
|-----------|----------|
| #1 | 24.4 |

Results as found.

TESTS MARKED "NOT UKAS ACCREDITED" IN THIS REPORT/CERTIFICATE ARE NOT INCLUDED IN THE UKAS ACCREDITATION SCHEDULE FOR OUR LABORATORY.
 TESTS MARKED "SC" HAVE BEEN SUBCONTRACTED. RESULTS IN THIS REPORT RELATE ONLY TO THE ITEMS TESTED.
 OPINIONS AND INTERPRETATIONS EXPRESSED HEREIN ARE OUTSIDE THE SCOPE OF UKAS ACCREDITATION. THIS TEST REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT WRITTEN APPROVAL OF THE LABORATORY.
 TESTING CONDUCTED IN ACCORDANCE WITH MANAGEMENT SYSTEM MANUAL ISSUE 4.

REPORT ISSUED AND
AUTHORISED BY

Senior Technician

Decision Rule:
 1. When a statement of conformity is not requested and where applicable, test results will be reported as found with the uncertainty of measurement available on request.
 2. When a statement of conformity is requested for test results against limits set out in a standard or specification (i.e. ASTM, BS EN ISO) that already considers measurement uncertainty, the requirements in the standard or specification will be followed.
 3. When a statement of conformity is requested for a test result against limits set out in a standard or specification that does not consider measurement uncertainty, zero guard banding will be applied with a "Pass" reported when the measured result is in-tolerance and a "Fail" reported when the measured result is out-of-tolerance. However, should the expanded measurement uncertainty of the measured result be greater than 1/3 the tolerance limits, the decision rule will default to 1 above.