

Tolerance Check

Inspection performed by Jan Kowalski on 2024-08-10.

All measured values are timestamped for audit purposes. Refer to the dimensional log for all component size readings. Ensure measurement methods align with calibration standards. This report presents the dimensional measurements and inspection results. Below are the recorded measurements compared against nominal tolerances. Review recorded tolerances against engineering specifications.

Environmental Conditions: Temperature: 21.7 °C, Humidity: 45 %

| Product Ref | Component | Measurement | Target | Actual | Delta | Status (V/X) |
|-------------|--------------------|----------------|--------|--------|-------|--------------|
| QP-660F | Power Switch | Inner Diameter | 77.86 | 77.89 | +0.03 | PASS |
| MX-450L | Power Switch | Inner Diameter | 47.00 | 47.02 | +0.02 | PASS |
| RE-850C | Hex Bolts M12 | Height | 86.68 | 86.80 | +0.12 | PASS |
| NU-440Z | Rubber Gasket 80mm | Height | 30.35 | 30.36 | +0.01 | PASS |
| DX-777T | Shaft 500mm | Width | 39.29 | 39.30 | +0.01 | PASS |
| RX-310Z | Hex Bolts M12 | Height | 37.54 | 37.49 | -0.05 | PASS |
| AZ-300T | Graphite Pad | Hole Ø | 55.03 | 55.17 | +0.14 | PASS |
| NU-440Z | Steel Sheet A36 | Hole Ø | 32.89 | 32.96 | +0.07 | PASS |
| GL-980S | Graphite Pad | Hole Ø | 71.04 | 71.20 | +0.16 | PASS |
| TL-900X | Power Switch | Depth | 56.12 | 56.30 | +0.18 | PASS |
| VF-220D | Battery Pack | Height | 70.98 | 70.88 | -0.10 | PASS |
| TR-200B | Bearing 6202 ZZ | Depth | 13.65 | 13.83 | +0.18 | PASS |
| MX-450L | Rubber Gasket 80mm | Width | 27.71 | 27.62 | -0.09 | PASS |