

Tolerance Check

Inspection performed by Jan Kowalski on 2025-04-16.

Use this results summary to trigger any corrective actions. Review recorded tolerances against engineering specifications. This summary of measurements supports metrology traceability. All measured values are timestamped for audit purposes. This section details the measured values, tolerances, and status flags.

Environmental Conditions: Temperature: 22.1 °C, Humidity: 43 %

| Product Ref | Part Name | Dim. | Target | Actual | Delta | Status (V/X) |
|-------------|--------------------|----------------|--------|--------|-------|--------------|
| LK-890B | Battery Pack | Depth | 67.73 | 67.78 | +0.05 | PASS |
| NE-245A | Hinge Set | Length | 20.01 | 19.85 | -0.16 | PASS |
| VR-940T | Plastic Rivets | Hole Ø | 34.05 | 33.99 | -0.06 | PASS |
| ZR-205R | Steel Sheet A36 | Inner Diameter | 47.14 | 47.20 | +0.06 | PASS |
| GH-770J | Battery Pack | Depth | 73.89 | 73.92 | +0.03 | PASS |
| GL-980S | Graphite Pad | Thickness | 25.39 | 25.37 | -0.02 | PASS |
| SL-430M | Power Switch | Height | 80.19 | 80.30 | +0.11 | PASS |
| MC-540X | Hinge Set | Depth | 22.23 | 22.13 | -0.10 | PASS |
| PL-601Z | Rubber Gasket 80mm | Thickness | 51.86 | 51.73 | -0.13 | PASS |
| XD-710R | Hinge Set | Length | 93.81 | 93.91 | +0.10 | PASS |
| CN-150C | O-Ring NBR 60mm | Length | 13.41 | 13.32 | -0.09 | PASS |
| MX-450L | Rubber Gasket 80mm | Length | 44.43 | 44.23 | -0.20 | PASS |
| PW-515Y | Rubber Gasket 80mm | Hole Ø | 99.89 | 99.75 | -0.14 | PASS |
| XK-610U | Steel Sheet A36 | Thickness | 70.50 | 70.33 | -0.17 | PASS |
| RE-850C | Steel Sheet A36 | Length | 72.11 | 72.16 | +0.05 | PASS |
| GL-980S | Hex Bolts M12 | Height | 18.51 | 18.34 | -0.17 | PASS |
| TX-820V | Hex Bolts M12 | Depth | 72.92 | 73.02 | +0.10 | PASS |
| TL-900X | Battery Pack | Thickness | 44.42 | 44.40 | -0.02 | PASS |