

Tolerance Check

Inspection performed by Anna Nowak on 2025-02-22.

Below are the recorded measurements compared against nominal tolerances. All measured values are timestamped for audit purposes. Refer to the dimensional log for all component size readings. The following data captures key dimensions and any deviations identified. This summary of measurements supports metrology traceability. This report presents the dimensional measurements and inspection results.

Environmental Conditions: Temperature: 20.9 °C, Humidity: 31 %

Item Code	Part Name	Measurement	Nominal	Actual	Diff	Status (V/X)
SL-430M	Hex Bolts M12	Thickness	98.16	98.00	-0.16	OK
PL-601Z	Hinge Set	Depth	88.00	88.08	+0.08	OK
LK-890B	Wooden Pallet	Inner Diameter	60.99	61.10	+0.11	OK
GL-980S	Bearing 6202 ZZ	Depth	87.75	87.86	+0.11	OK
MX-450L	Hex Bolts M12	Hole Ø	21.02	21.12	+0.10	OK
CE-905L	Power Switch	Inner Diameter	88.59	88.60	+0.01	OK
PW-515Y	Hinge Set	Thickness	35.78	35.82	+0.04	OK
KV-390K	Hex Bolts M12	Height	30.39	30.57	+0.18	OK
KP-320E	Plastic Rivets	Inner Diameter	72.30	72.18	-0.12	OK
CN-150C	Shaft 500mm	Hole Ø	97.43	97.52	+0.09	OK
RX-310Z	Bearing 6202 ZZ	Hole Ø	98.91	98.78	-0.13	OK