

Tolerance Check

Inspection performed by Anna Nowak on 2024-02-25.

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. This data extract is prepared for quality-control sign-off. All measured values are timestamped for audit purposes. Entries include both pass/fail markers and deviation magnitudes.

Environmental Conditions: Temperature: 24.8 °C, Humidity: 49 %

Article No.	Component	Dim.	Nominal	Observed	Diff	Status (V/X)
MC-540X	Battery Pack	Hole Ø	27.75	27.92	+0.17	PASS
GH-770J	Power Switch	Length	48.70	48.76	+0.06	PASS
KP-320E	O-Ring NBR 60mm	Hole Ø	59.70	59.73	+0.03	PASS
CN-150C	O-Ring NBR 60mm	Width	84.94	84.78	-0.16	PASS
CN-150C	Bearing 6202 ZZ	Width	13.68	13.67	-0.01	PASS
PW-515Y	Hex Bolts M12	Thickness	69.90	70.05	+0.15	PASS
AZ-300T	Plastic Rivets	Width	64.17	64.09	-0.08	PASS
TX-820V	Bearing 6202 ZZ	Thickness	82.81	82.97	+0.16	PASS
KV-390K	Bearing 6202 ZZ	Depth	78.38	78.53	+0.15	PASS
SL-430M	Graphite Pad	Width	13.35	13.41	+0.06	PASS
KP-320E	Rubber Gasket 80mm	Hole Ø	26.18	26.24	+0.06	PASS
MC-540X	Hex Bolts M12	Height	97.55	97.67	+0.12	PASS
NU-440Z	Power Switch	Width	85.86	85.81	-0.05	PASS
NU-440Z	Hinge Set	Length	17.12	17.04	-0.08	PASS
WD-180S	O-Ring NBR 60mm	Inner Diameter	88.94	89.11	+0.17	PASS
GH-770J	Bearing 6202 ZZ	Hole Ø	57.50	57.69	+0.19	PASS
QN-770H	Steel Sheet A36	Width	86.10	86.05	-0.05	PASS