

# Dimensional Log

Inspection performed by Peter Schmidt on 2025-04-02.

Please review the inspection results for each component listed below. This section details the measured values, tolerances, and status flags. Review recorded tolerances against engineering specifications. Use this results summary to trigger any corrective actions.

**Environmental Conditions:** Temperature: 20.4 °C, Humidity: 46 %

Product Ref	Component	Measurement	Nominal	Actual	Diff	Status (V/X)
QN-770H	Shaft 500mm	Depth	80.27	80.24	-0.03	V
HF-390A	O-Ring NBR 60mm	Depth	68.72	68.81	+0.09	V
SL-430M	Graphite Pad	Depth	75.86	75.85	-0.01	V
MX-450L	Hex Bolts M12	Depth	73.14	73.32	+0.18	V
HF-390A	Shaft 500mm	Hole Ø	16.31	16.32	+0.01	V
TX-820V	O-Ring NBR 60mm	Length	83.11	83.06	-0.05	V
TL-900X	O-Ring NBR 60mm	Width	90.06	90.05	-0.01	V
CE-905L	O-Ring NBR 60mm	Inner Diameter	9.91	9.89	-0.02	V
JD-700W	Hex Bolts M12	Height	95.12	95.18	+0.06	V
SB-140D	Graphite Pad	Height	77.71	77.73	+0.02	V
MC-540X	O-Ring NBR 60mm	Thickness	45.52	45.59	+0.07	V
BZ-660F	Wooden Pallet	Hole Ø	13.55	13.53	-0.02	V
MC-540X	Hinge Set	Hole Ø	58.70	58.59	-0.11	V
FT-730X	Graphite Pad	Thickness	59.18	59.23	+0.05	V
VF-220D	Battery Pack	Height	24.09	24.13	+0.04	V
NU-440Z	Hinge Set	Length	69.44	69.46	+0.02	V
RX-310Z	Power Switch	Inner Diameter	83.41	83.31	-0.10	V