

MXL-3H126 | Configuration review

REQUEST WORKSHEET - NOT A RELEASED DATASHEET

Use this sheet to define a quotation and drawing review. Targets and reference names do not establish an approved MXL geometry, measured performance or replacement fit.

Requested MXL measurement envelope

Architecture	Hollow flange heavy-duty triaxial configuration
Measured components	3-Axis Force [Fx, Fy, Fz]
Force target	Fx/Fy about 11.1 kN; Fz about 22.2 kN requested
Moment target	Not measured; review offset moments
MXL mounting / dimensions	Drawing review required
Calibration and limits	Actual crosstalk, combined loads, safe/ultimate overload, temperature and environment require model-specific evidence.

Configuration-specific review points

- Preserve the full usable bore after cables, inserts and strain relief are installed.
- Check separate bridge resistance and sensitivity on every axis; mixed-bridge configurations need independent scaling.
- Review flange flatness, fastener engagement, combined loads and environmental sealing in the final drawing.

Third-party reference - separate from MXL approval

FUTEK MTA600 | FI1469; current linked PDF has 3 pages including terms | reviewed 2026-10-31
diameter 126.5 x 88.9 mm; diameter 43.7 mm through bore
Fx/Fy 350 ohm, 1.50 mV/V; Fz 700 ohm, 0.75 mV/V; maximum excitation 18 V
Manufacturer reference facts only. Do not transfer its geometry, material, limits or calibration to an MXL configuration.
[Open primary manufacturer reference](#)

Application and documentation checklist

Complete the values below, then use the website or email template. A request does not establish document availability, quotation terms or a delivery date.

Force capacities, with units and sign convention

Moment capacities, with units (if measured)

Largest simultaneous load / tool offset / stop event

Mounting footprint, bore and cable clearance

Original manufacturer, model and drawing revision

Excitation, bridge resistance, sensitivity and pinout

DAQ / PLC / PC protocol and useful bandwidth

Temperature, ingress, cable motion and environment

Quantity, delivery country and purchasing organization

Request the applicable engineering records

- ☐ Approved drawing / STEP CAD and model-specific datasheet
- ☐ Serial calibration record, uncertainty and traceability scope
- ☐ Coordinate definition and applicable decoupling matrix
- ☐ Connector pinout, cable specification and mating parts
- ☐ Supported SDK / driver / sample code versions and release files
- ☐ EtherCAT ESI / PDO mapping if supported by the supplied module
- ☐ Configuration-specific quotation, supply and delivery terms

[Open this model and document request on the website](#)

[Open a model-specific email request template](#)