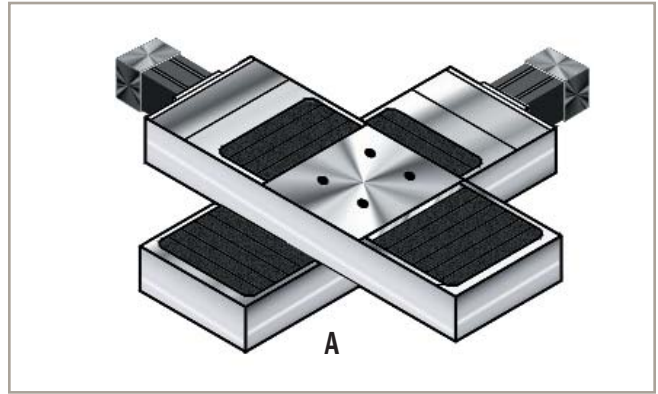
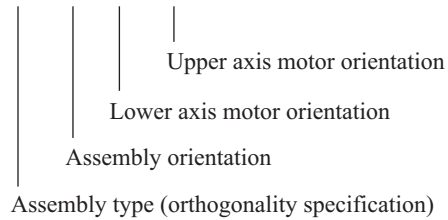


Multi-Axis Assembly

XY Assembly Options

Example: P/N = PA5 - A - 1L - 2U



STEP 1: Specify Assembly Type

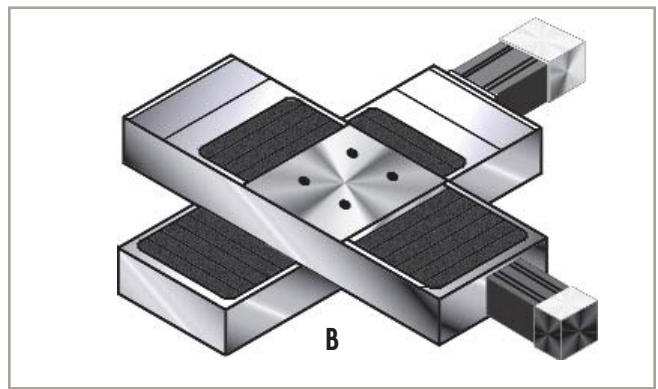
NPA = Non-precision assembly

PA10 = XY assembly; 10 arc sec orthogonality;
alignment to within 7 microns orthogonality for
short travel stages

PA5 = XY assembly; 5 arc sec orthogonality;
alignment to within 3 microns orthogonality for
short travel stages

STEP 2: Specify Assembly Orientation

See drawings on the right. Choose A or B



STEP 3: Specify Lower Axis Motor Orientation

Choose from options 0 through 13 (see Motor Orientation Options section). Include "L" after option code. Use option 0 for linear motor stages, or stages with no motor.

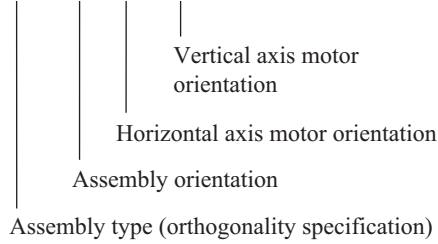
STEP 4: Specify Upper Axis Motor Orientation

Choose from options 0 through 13 (see Motor Orientation Options section). Include "U" after option code. Use option 0 for linear motor stages, or stages with no motor.

Multi-Axis Assembly CONTINUED

XZ or YZ Assembly Options

Example: P/N = PA5Z - A - 1H - 2V



STEP 1: Specify Assembly Type

- NPAZ = Non-precision assembly
- PA10 Z = XZ/YZ assembly with L-bracket; 10 arc second orthogonality; alignment to within 10 microns orthogonality for short travel stages
- PA5Z = XZ/YZ assembly with L-bracket; 5 arc second orthogonality; alignment to within 5 microns orthogonality for short travel stages

STEP 2: Specify Assembly Orientation

See drawings on the right. Choose A, B, C, or D.

Note: Linear motor and belt driven stages cannot be used in the vertical axis.

STEP 3: Specify Lower Axis Motor Orientation

Choose from options 0 through 13 (see Motor Orientation Options section). Include “H” after option code. For XYZ assembly, enter option 0 and specify motor orientation for upper axis of XY assembly. Use option 0 for linear motor stages, or stages with no motor.

STEP 4: Specify Upper Axis Motor Orientation

Choose from options 0 through 13 (see Motor Orientation Options section). Use “V” after option code. Use option 0 for stages with no motor.

