

STAGE OPTIONS

<u>DESCRIPTION</u>	<u>OPTIONS</u>	<u>ORDER #</u>
HOME / End-of-Travel SWITCHES		
HOME switch (NO) used as a reference point to signal “ready” position. End-of-travel (NC) safety switches prevent damage from stage overtravel. Available with different outputs, connectors, etc. Supplied with flying leads. Side mounted unless specified.	PHOTO INTERRUPT INDUCTIVE PROXIMITY HARSH ENVIRONMENT 24 VOLT POWER SUPPLY INTERNAL MOUNT (not adjustable) MECHANICAL CONTACT	SOS - Q(ZL) SBP - Q(ZL) SEV - Q(ZL) S24 - Q(ZL) SIM - Q(ZL) SMC - Q(ZL)
BELLOWS		
Top / Side covers used to prevent contaminants from entering stage internal components. Used to eliminate “pinch-points”.	FLAT * METAL ** HIGH TEMP *	CFW - Q(ZL) CMW - Q(ZL) CHT - Q(ZL)
* Increases stage length	** Increases stage height	
OUTBOARD SCREW SUPPORT		
Permits increased Critical Speed Limit. Includes as standard on 6”+ stroke stages	BRONZE BUSHING SHIELDED BEARING	OBB - Q(ZL) OBS - Q(ZL)
MOTOR MOUNTING		
Standard NEMA size motor mounts; Custom sizes available. Includes appropriate size servo coupling	NEMA 14 FRAME NEMA 17 FRAME NEMA 23 FRAME NEMA 34 FRAME REVERSE PARALLEL *	M14 - Q(ZL) M17 - Q(ZL) M23 - Q(ZL) M34 - Q(ZL) MMP - Q(ZL)
* designate motor location		
MULTI-AXIS MOUNTING (Designate Motor Orientation)		
Single axes pinned square at the component level to assure orthogonality. Z axis include support brackets.	X-Y X-Z X-Y-Z	XY - Q(ZL) XZ - Q(ZL) XYZ - Q(ZL)
ENVIRONMENTAL PREP		
Stage prepared with environmental concerns addressed. ie: Particulate generation, finish materials, lubrication, ect.	CLEAN ROOM (Class 10) FOOD GRADE VACUUM (1 x 10 ⁻⁵ Torr.)	PCR - Q(ZL) PFG - Q(ZL) PVC - Q(ZL)
INCH MOUNTING		
	“ENGLISH” MOUNTING HOLES	HPE - Q(ZL)
HEIGHT MATCHING		
	Stage heights matched within 12 µm (0.0005”) Please consult ALM Engineering	
LINEAR ENCODERS		
	Several types and resolutions available Please consult ALM Engineering	

**Q (ZL) = Z DESIGNATED AS STAGE SERIES, L AS STAGE TRAVEL.
ie: Q2100, Q6150, Q4200.**