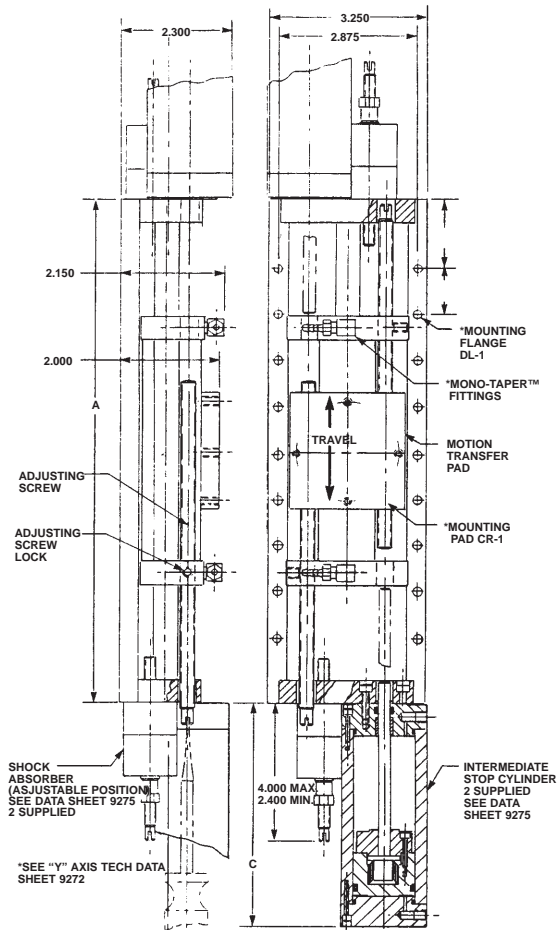
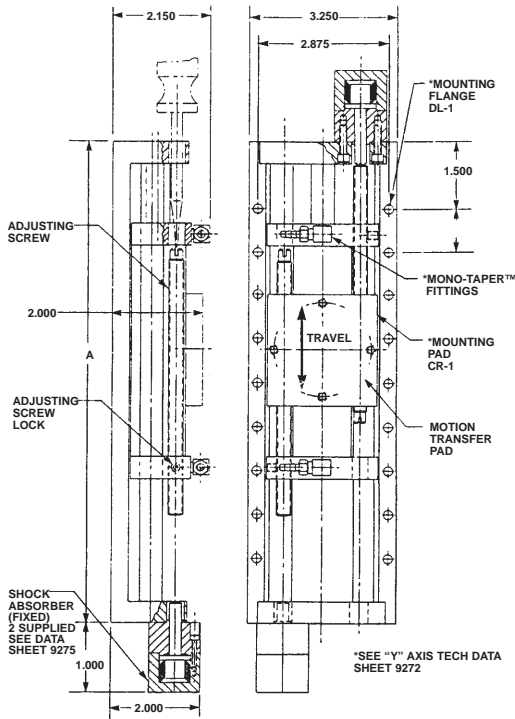


"Y" AXIS B•A•S•E® TRANSPORTERS - SER. 2

TWO ADJUSTABLE STOP CONFIGURATION

FOUR ADJUSTABLE STOP CONFIGURATION



MODEL NO.	MAX. TRAVEL (inches)	NOM. DIM. "A" (inches)	NOM. DIM. "B" (inches)	APPROX WEIGHT (lbs.)
S2750-20	2.000	7.000	1.000	4.0
S2750-40	4.000	11.000	1.000	5.0
S2750-60	6.000	15.000	1.000	6.5
S2750-80	8.000	19.000	1.000	7.5
S2750-100	10.000	23.000	2.000	10.0
S2750-120	12.000	27.000	2.000	12.0

MODEL NO.	MAX. TRAVEL (inches)	NOM. DIM. "A" (inches)	NOM. DIM. "B" (inches)	NOM. DIM. "C" (inches)	APPROX WEIGHT (lbs.)
S4839-20	2.000	7.000	1.000	3.800	5.0
S4839-40	4.000	11.000	1.000	4.800	6.0
S4839-60	6.000	15.000	1.000	5.800	7.5
S4839-80	8.000	19.000	1.000	6.800	8.5
S4839-100	10.000	23.000	2.000	7.800	11.0
S4839-120	12.000	27.000	2.000	8.800	13.0

APPLICATION

B•A•S•E® "Y" AXIS TRANSPORTERS are used for low cost transfer along the "Y" axis of the integrated B•A•S•E® coordinate system. Typical applications include those where a B•A•S•E® GRIPPER is mounted to an "X" AXIS TRANSPORTER or other load handling device which requires linear motion.

DESCRIPTION

B•A•S•E® "Y" AXIS TRANSPORTERS are part of an integrated line of Basic Automation Systems Elements for a building block approach to programmable non-servo robots.

Essentially, a "Y" AXIS TRANSPORTER is a motion conversion mechanism operated with plant air for transferring small loads thru short distances along the "Y" axis of a B•A•S•E® coordinate system.

The "Y" AXIS nomenclature is assigned to this product in order to differentiate between other translating motion in the B•A•S•E® ROBOTIC SYSTEM, however "Y" AXIS TRANSPORTERS will operate in any position.

Mounting may be to existing structures, to B•A•S•E® "Z" AXIS TRANSPORTERS and to other motion transfer devices.

Numerous load handling mechanisms may be attached to the "motion transfer pad" of a "Y" AXIS TRANSPORTER including an "X" AXIS TRANSPORTER with B•A•S•E® GRIPPERS.

The combination of a GRIPPER, an "X" AXIS TRANSPORTER and a "Y" AXIS TRANSPORTER provides rectilinear motion in the X-Y plane of a B•A•S•E® coordinate system. See the "Y" AXIS TECH. DATA SHEET.

Special features include an improved guide system for extended service life, standardized mounting for interchangeability with other B•A•S•E® COMPONENTS and travel stops which are adjustable.

Operation is positive with pressure acting in both plus and minus "Y" directions. Maximum operating pressure is 150 PSI in pneumatic service, however most applications operate on plant air at 80 PSI using conventional four way valve circuits.

Overall mass of moving parts have been kept to a minimum for rapid cycling. Cycle rate is primary a function of factors related to control and 30 cycles per minute is possible with short travels.

SPECIFICATIONS

MATERIALS: ALUMINUM ALLOY & STAINLESS STEEL
 SEALING ELEMENTS: STANDARD "O" RINGS
 FLUID MEDIUM: SHOP AIR
 MAXIMUM OPERATING PRESSURE: 150 PSI
 MAXIMUM OPERATING TEMPERATURE: 150° F.
 STOP ADJUSTMENT FROM ZERO TO MAX. TRAVEL FORCE IN PLUS "Y" DIRECTION: 70LB. @ 80 PSI
 FORCE IN MINUS "Y" DIRECTION: 55LB @ 80 PSI
 RATED PAYLOAD: 15 LB.
 RATED OVERHANGING MOMENT: 80 INCH POUND
 REPEATABILITY: PLUS OR MINUS .002 INCHES
 REPROGRAMMABLE BY SETTING TRAVEL STOPS.

SCHEMATIC

