

AB ACCESSORY PIN

The 1/16" throw of these pins can be used to actuate an electrical switch or small valve to control another piece of equipment. Actuation begins approximately 1/8" before full stroke of cylinder is completed, and the pins can be installed in one or both ends.

PIN LOCATIONS

Standard Cylinders:

Pins are located in the same plane as the tail pivot hole centerline and the ports are 180° from the pins.

Square Head Cylinders:

Pins are located 90° clockwise from ports, looking from rod end.

Valve-in-Head Cylinders:

Pins are located 90° counterclockwise from inlet port, looking from rod end. Special locations available upon request at additional cost.

ORDERING PROCEDURE

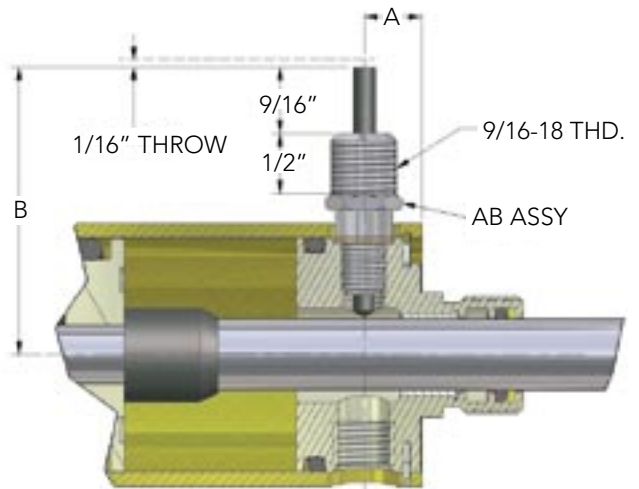
After cylinder nomenclature specify:

- IF For pin installed in front end.
- IR For rear end.
- IB For both ends.

Available on All Types of 1-1/2", 2", 2-1/2", 3" & 4" bore sizes. Maximum operating pressure is 150 P.S.I.

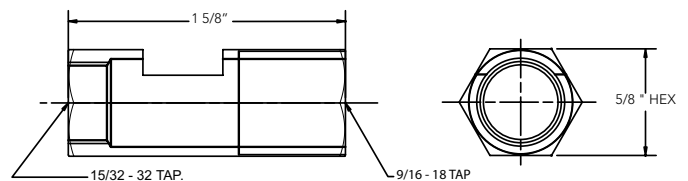
AB-90 SWITCH COUPLER

This aluminum coupler fits all the accessory pins and simplifies the mounting of a micro type switch. A window in coupler provides for easy visual adjustment



BORE SIZE	A	B	PART NUMBERS	
			STD	OS
1-1/2"	1/2"	2-5/32"	AB-1580	AB-OS-1580
2"	1/2"	2-7/16"	AB-280	*AB-OS-280
2-1/2"	9/16"	2-11/16"	AB-2580	AB-2580
3"	9/16"	2-31/32"	AB-380	AB-380
4"	1"	3-21/64"	AB-480	AB-480

***For rod end only, rear end is standard.**



TIE-ROD KIT

The Tie-Rod kit gives our field proven cylinders additional strength for your most demanding applications. Available in all bore sizes up to 4"

NEW



ACCESSORIES

ADJUSTABLE STROKE KITS

These kits enable an infinite range of zero to full stroke adjustments from either end, and can also be used to prevent a cylinder rod from rotating. They are designed to be used with most Allenair Cylinders of 1-1/2", 2", 2-1/2", 3" & 4" bore sizes, except where noted.

TYPE: K ADJUSTABLE STROKE KIT

Adjustable Stroke Kits for all Cylinders, except Integral Square Head Types and Valve-in-Head Models VAR, VER and VCR.

This Kit consists of Front Foot Mount, Rod Tie Bar, Threaded Adjustment Rod and Guide Rod.

TYPES: KRE AND KRR AUTOMATIC RETURN

These automatic return Adjustable Stroke Kits are designed to be used with Valve-in-Head Cylinders Models SVA or SVEVA only.

Upon a momentary air bleed (Model SVA) or momentary electrical signal (Model SVEVA), the unit will make one complete cycle. The cylinder rod is normally extended on Types KRE and normally retracted on Types KRR.

These Kits are identical to Type K with the additions of one V2 Valve, Actuating Arm, and all necessary hardware.

For complete description of Cylinders mentioned above, please refer to Pages 26 to 30.

TYPE: KRVCR FULLY AUTOMATIC RECIPROCATING

These fully automatic reciprocating Adjustable Stroke Kit is designed to be used with the Valve-in-Head Cylinder Model SVA only.

As soon as air pressure is applied, the unit will automatically reciprocate. Because of this it is recommended that a shut-off valve be mounted in the inlet line.

This Kit is identical to Type K with the addition of two V2 Valves, Actuating Arms, and all necessary hardware.

For complete description of Model SVA Cylinder, please refer to Page 29.



TYPE K SHOWN WITH TYPE A CYLINDER



TYPE K SHOWN WITH MODEL SVSR CYLINDER



TYPE KRR SHOWN WITH MODEL SVA CYLINDER



TYPE KRE SHOWN WITH MODEL SVEVAE CYLINDER



TYPE KRVCR SHOWN WITH MODEL SVA CYLINDER

ORDERING PROCEDURE

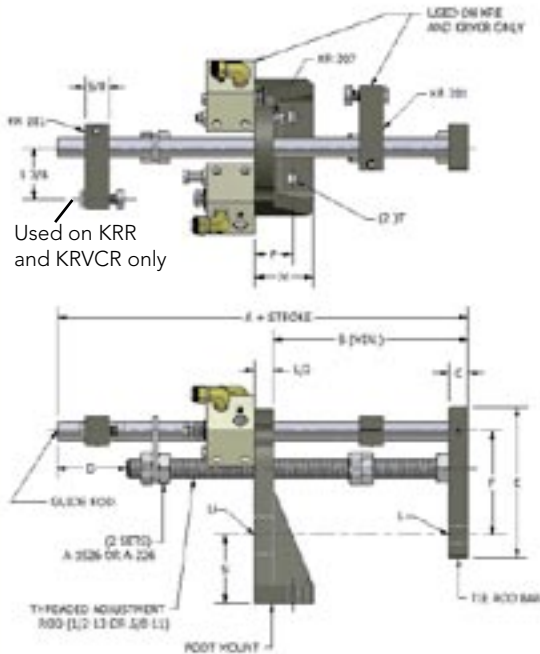
1) CYLINDER: When ordering Cylinders to be used with Adjustable Stroke Kits, specify "KR" after the Cylinder nomenclature to insure that the Cylinders will be supplied with the extra 2" threaded rod extension (H & J dimensions) required for the installation of the rod tie bar.

2) KIT: Select type from table and advise stroke.

3) REAR MOUNT: Select from table.

CYL. BORE SIZES		KIT TYPES				REAR FOOT MOUNT
		K	KRE	KRR	KRVCR	
1-1/2"	STD	K-1-1/2	KRE-1-1/2	KRR-1-1/2	KRVCR-1-1/2	A-232
	OS	K-OS-1-1/2	KRE-OS-1-1/2	KRR-OS-1-1/2	KRVCR-OS-1-1/2	A-232
2"	STD	K-2	KRE-2	KRR-2	KRVCR-2	A-232
	OS	K-OS-2	KRE-OS-2	KRR-OS-2	KRVCR-OS-2	A-232
2-1/2"	STD	K-2-1/2	KRE-2-1/2	KRR-2-1/2	KRVCR-2-1/2	A-332
	OS	K-OS-2-1/2	KRE-OS-2-1/2	KRR-OS-2-1/2	KRVCR-OS-2-1/2	A-332
3"	STD	K-3	KRE-3	KRR-3	KRVCR-3	A-332
	OS	K-OS-3	KRE-OS-3	KRR-OS-3	KRVCR-OS-3	A-332
4"	STD	K-4	KRE-4	KRR-4	KRVCR-4	A-432
	OS	K-OS-4	KRE-OS-4	KRR-OS-4	KRVCR-OS-4	A-432

WHEN ORDERED WITH CYLINDER, COMPLETE UNIT IS ASSEMBLED AT FACTORY.



Cyl. Bore		1-1/2"	2"	2-1/2" & 3"	4"
A	STO	4-7/8"	4-7/8"	5-1/4"	5-7/8"
	OS	4-7/8"	4-7/8"	5-1/4"	5-7/8"
B	STD	2"	2"	2-1/4"	2-3/4"
	OS	2"	2"	2-1/4"	3-3/4"
C		1/2"	1/2"	5/8"	3/4"
D		1-7/8"	1-7/8"	1-3/4"	2-3/8"
E		4"	4"	4-3/4"	5-1/2"
F		2-3/4"	2-3/4"	3-7/16"	4"
G		5-3/8"	5-3/8"	6-11/16"	8-1/16"
K		1-1/4"	1-1/4"	1-1/2"	2"
L	STD	1/2"	5/8"	3/4"	1"
	OS	5/8"	3/4"	1"	1-1/4"
M		1-9/16"	1-9/16"	1-13/16"	2-7/16"
N		1-5/8"	1-5/8"	3"	3-1/4"
P		1"	1"	1-1/8"	1-3/4"
R		3-5/8"	3-5/8"	5-1/2"	6-1/2"
S		1-3/4"	1-3/4"	2-3/8"	3-3/16"
T		9/32"	9/32"	13/32"	15/32"
U	STD	1-1/16"	1-1/16"	1-3/8"	1-3/4"
	OS	1-1/16"	1-3/8"	1-1/2"	2-1/4"

ADJUSTING INSTRUCTIONS

TYPE K: This Kit has no V2 Valves, Actuating Arm KR-201 or Safety Screw KR207. Adjustment is made by positioning of Adjusting Lock Nuts A1526 or A226.

TYPE KRE, KRR & KRVCR: Stroke adjustment on any automatic return side will depend strictly on the location of Actuating Arm KR-201. It is then recommended to set Adjusting Lock Nuts A1526 or A226 on that side after the required stroke has been obtained. This can be done by bringing the Adjusting Lock Nuts towards the Foot Mount until the automatic return feature stops functioning, then backing them off one full turn and locking them.

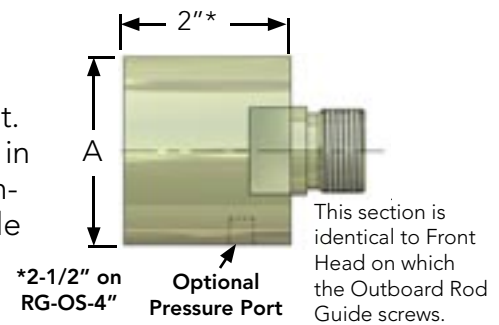
NOTE: KR-207 is a Safety Screw to prevent damage to the V2 Valve. In operation the maximum safe stroke, should be determined by the location of the Adjusting Lock Nuts A1526 or A226, and the Actuating Arm should not come in contact with the Safety Screw.

ACCESSORIES

OUTBOARD ROD GUIDE

The Rod Guide screws onto the standard front head and duplicates the nose threads. This provides another rod bearing and seal 2" from the existing front head rod bearing, and will increase the life of cylinders whose rods are subject to side-thrust.

A pressurized version is also available to reduce contamination in severe environments. This applies particularly to long stroke cylinders (20" & over) and cylinders mounted on a rear pivot. Available on all cylinders except Types SM and Square Head.



*2-1/2" on RG-OS-4"

Optional Pressure Port

ORDERING PROCEDURE:

When ordering cylinders using Rod Guides, specify option "RG" in the cylinder nomenclature. This will provide the additional rod length required and the Rod Guide assembled to the cylinder.

FILTER-SILENCER

The 40 micron element effectively reduces air exhaust noises to an acceptable level with minimum flow restrictions. When used in vent ports they prevent foreign particles from entering units. Available in bronze (S) or stainless (SS) Also available in 1/4" N.P.T. Non Clogging version (M-60-1)



Cyl. Bore Size	A
7/8"	1-1/8"
1-1/8"	1-3/8"
1-1/2"	1-3/4"
2"	2-1/4"
2-1/2"	2-3/4"
3"	2-3/4"
4"	2-15/16"

NOTE: NOT AVAILABLE ON TYPE "C" 1-1/8" BORE CYLINDERS.

BUILT-IN BLEEDER VALVE

The Built-in Bleeder Valves enable other bleed type equipment to be actuated. This is accomplished by installing a line from the Bleeder Pilot to the built-in Bleeder Valve. Actuation occurs approximately 1/8" before full stroke of Cylinder is completed. The Valves can be installed in either or both ends of the Cylinder.



Part No.	N.P.T.	A	HEX
S-1/16	1/16"	1-15/32"	7/16"
S-1/8	1/8"	1-15/32"	7/16"
S-1/4	1/4"	1-21/32"	9/16"
M-60-1	1/4"	1-49/64	9/16"
S-3/8	3/8"	1-21/32"	11/16"
S-1/2	1/2"	1-25/32"	7/8"

VALVE LOCATIONS

Standard Cylinders: Valves are located in the same plane as the tail pivot hole centerline and the ports are 180° from the valves.

Square Head Cylinders:

Valves are located 90° clockwise from ports, looking from rod end.

Valve-in-Head® Cylinders:

The front valve is located 90° counterclockwise from the inlet port and the rear valve is 45° clockwise from inlet port, looking from rod end. Special locations available upon request, at additional cost.

ORDERING PROCEDURE:

After cylinder nomenclature specify:

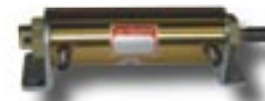
RF For valve installed in front end.

RR For rear end.

RB For both ends.

Available on All Types of 1-1/2", 2", 2-1/2", 3" & 4" bore sizes.

Maximum operating pressure is 150 P.S.I.



BORE SIZE	PART NUMBERS	
	STD	OS
1-1/2"	VR-1570	VR-OS-1570
2"	VR-270	*VR-OS-270
2-1/2"	VR-2570	VR-2570
3"	VR-370	VR-370
4"	VR-470	VR-470

*For rod end only, rear end is standard

BLEED PILOT SUPPLY

1/4 NPT

EXHAUST

