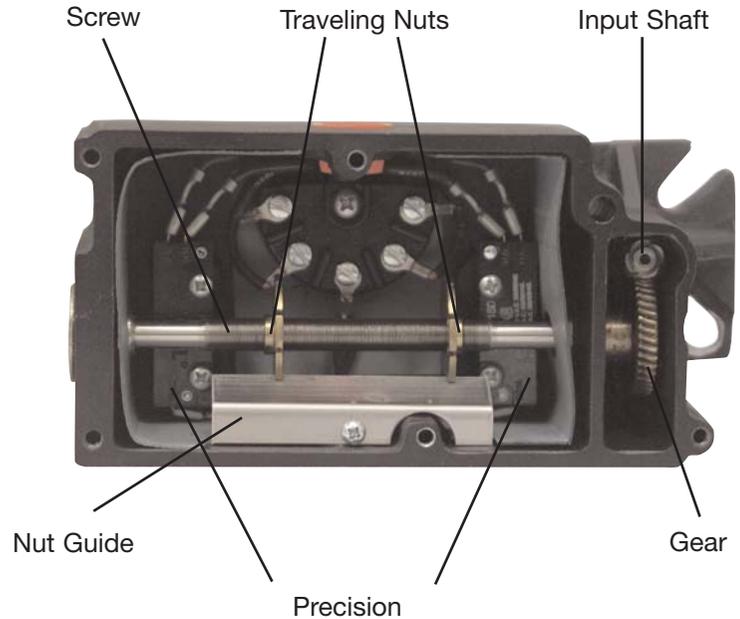


SKA Series Rotary Limit Switch



Features

- Available in two control voltage ratings: 250 or 480, and in three gear ratios.
- Can be used in applications where there is a need to control equipment that rotates and/or reverses.
- Sturdy and compact. Constructed of corrosion-resistant materials, with housing of black anodized aluminum. Meets NEMA-4 water tightness requirements.
- Simple to adjust. Two switches, one for up/stop and one for down/stop, are activated by the adjustable limit-switch nuts which travel laterally when the internal screw is rotated through gear reduction.
- Operating temperature range -20° to + 150°F.
- Lifetime lubricated.
- Can be mounted on right or left extension of actuator worm shaft in any of four quadrants.
- Optional 4-position limit switch available. *Consult factory for dimensions.*

To ensure that limit switch has sufficient travel capability for the actuator unit, use the following formula:
Maximum raise of actuator model in inches =

$$\frac{\text{Maximum Input Revolutions}}{\text{Turns of Actuator Worm per Inch of Raise}}$$

Note: For water-tight connection, use a weather-tight connector and sealant around threads. Limit switches will be damaged if overtraveled. For shipping purposes, the 1/2" NPT hole is closed with a plastic plug which is not water tight.



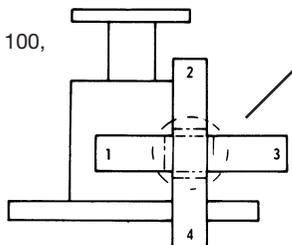
Rotary Limit Switch Performance Specifications

Model No.	Max. Voltage		Max. Amps		Gear Ratios	Max. Worm Rev.	Max. Rise	Max. Allowable Drift	Notch Adjustment
	AC	DC	AC	DC					
SKA6000AT10	250		15		10:1	1095	1095/TPI	24/TPI	1/TPI
SKA6000AT20					20:1	2190	2190/TPI	48/TPI	2/TPI
SKA6000AT40					40:1	4380	4380/TPI	96/TPI	4/TPI
SKA6000BT10	480	125	15	.50	10:1	750	750/TPI	29/TPI	1/TPI
SKA6000BT20					20:1	1500	1500/TPI	57/TPI	2/TPI
SKA6000BT40					40:1	3000	3000/TPI	115/TPI	4/TPI

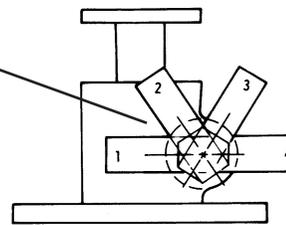
TPI = Turns per Inch of Raise of Actuator Unit

Rotary Limit Switch Mounting and Adjustment

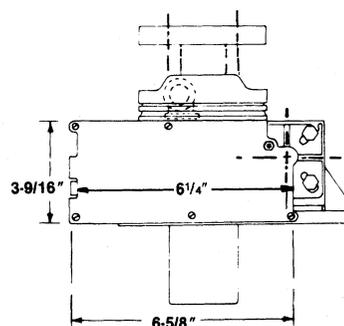
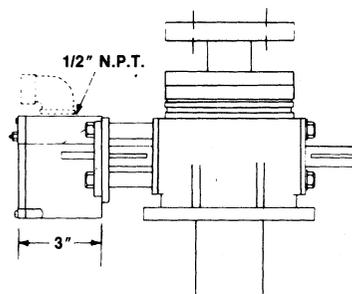
All models except 75, 100, and 150 ton



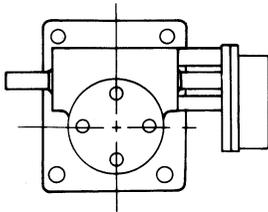
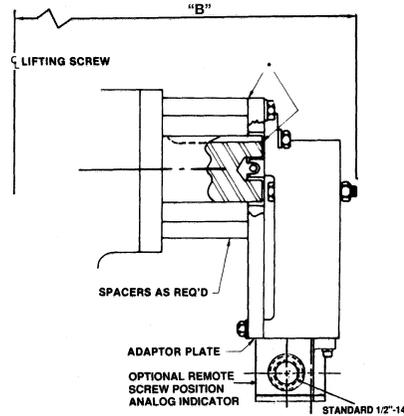
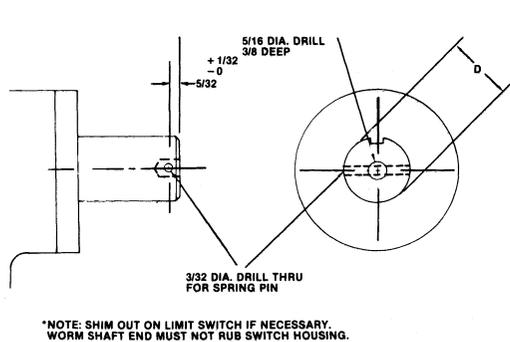
Switch position



75, 100, and 150 ton only



Limit Switch Field Installation Dimensions



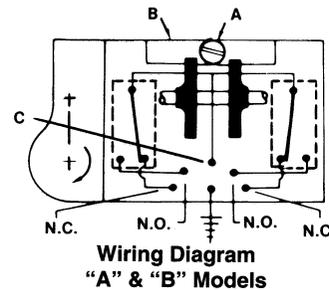
Worm Shaft Dimensions

Capacity	"B" Mounting Dimensions	Worm Shaft Dia.
2 & 3 Ton MS	6 3/4	.500
3 Ton BS	6 3/4	.625
5 Ton MS & BS	7 3/4	.750
10-15 Ton MS & BS	8 3/4	1.000
20 Ton MS & BS	8 3/4	1.000
25 Ton MS & BS, 35 Ton MS	10 1/4	1.375
50 Ton MS & BS	14 1/4	1.500
75 Ton MS	15 1/4	1.750
100 Ton MS	14 3/4	1.750
150 Ton MS	14 3/4	1.875

Note: Limit switch cannot be fitted directly to 1/4, 1/2 and 1 ton series. Antibacklash mounting is the same as Machine Screw Actuators. Dimensions are subject to change without notice.

Rotary Limit Switch Electrical Wiring Diagram and Setting Instructions

1. **CAUTION:** Disconnect power before making any adjustment.
2. Check drift before adjusting limits.
3. Remove screw "A" and nut guide keeper "B" to adjust limits.
4. Run actuator unit to desired limit.
5. Rotate appropriate nut until switch clicks, then turn 1/2 turn more.
6. Replace "A" and "B."
7. Run actuator unit to other limit.
8. Repeat steps 2, 4 and 5 to adjust this nut.



N.O. = Normally Open
N.C. = Normally Closed

Slight adjustments may be necessary. See Performance Specification Chart on the previous page for notch adjustment value.