

STANDARD AND SPECIAL BELLOWS BOOTS

Bellows boots are available for all sizes and configurations of ActionJac™ Worm Gear Screw Jacks. A boot protects the lifting shaft from contamination and helps retain lubricant to ensure long jack life.

Standard boots are sewn from black neoprene-covered nylon fabric for oil, water and weather resistance and are acceptable for use in -60° to +220° F environments. Optional materials are available for specific operating conditions (see chart).

Guides are recommended for all horizontal applications where travel exceeds 24 inches or if the boot needs to remain centered around the screw. The recommended number of guides is one guide for each 24 inches of travel length.

EXAMPLES: 12 inches of travel = no guides, 24 inches of travel = one guide, 47 inches of travel = one guide, 48 inches of travel = two guides, etc.).

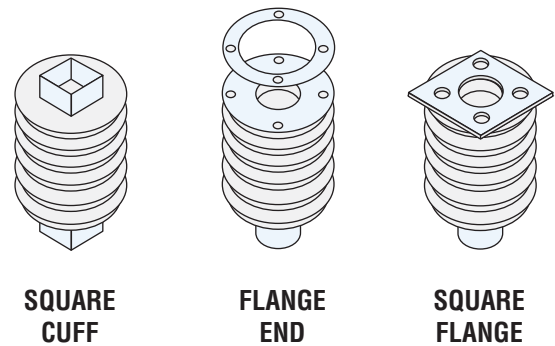
Standard boots are furnished with tie straps for jacks with greater than 65 inches travel. Tie straps are attached from convolution to convolution and help the boot extend uniformly.

SPECIAL BOOT MATERIALS

DESCRIPTION	TEMPERATURE RANGE	APPLICATION COMMENTS
HYPALON-COATED NYLON	-60° TO +300° F	CHEMICAL RESISTANCE, WASH DOWN
SILICONE COATED FIBERGLASS	-100° TO +550° F	HIGH TEMPERATURE
ALUMINUM-COATED FIBERGLASS	-100° TO +550° F	HIGH TEMPERATURE, HOT CHIPS, WELDING SPLATTER

Note: Retracted boot length may increase with some special materials.

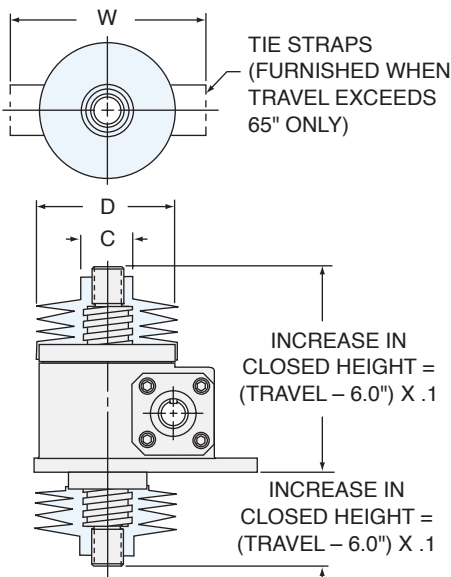
SPECIAL END CONFIGURATIONS



BELLOWS BOOTS TRANSLATING SCREW JACKS

The end cuff is designed to fit standard end fittings, the top plate and the clevis end. When jack travel is greater than 6 inches, lift screw closed height increases to accommodate the length of the

collapsed boot convolutions. For standard boots the increase in closed height is calculated using the formula shown.



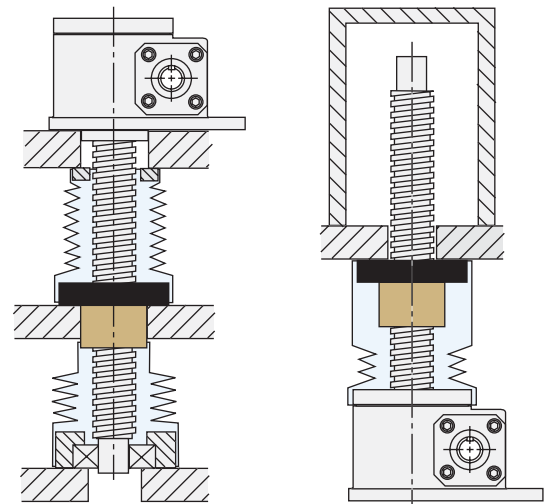
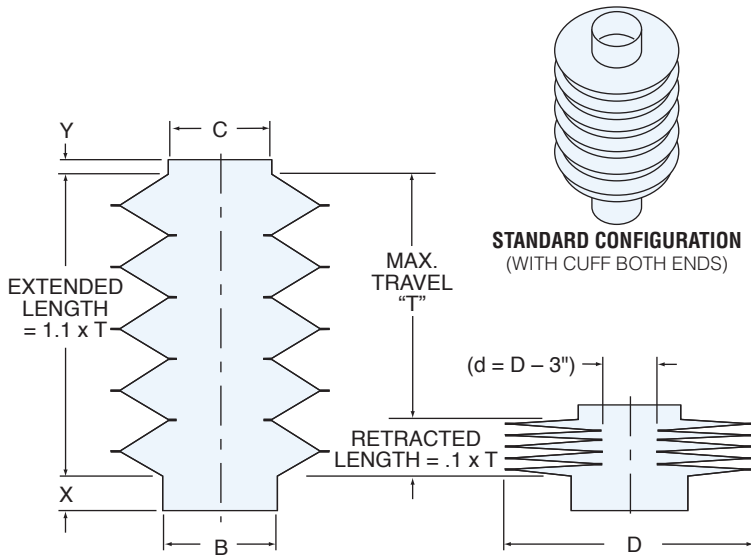
JACK MODEL		C DIA	D DIA	W	MAX. SCREW DIA (REF.)
BALL SCREW	MACHINE SCREW				
0.5-BSJ	ALL MJ	1.00*	4.00*	5.50	0.63
1-BSJ	1-MSJ	1.25	4.25	5.75	0.75
2, 2.5 & 3-BSJ	2, 2.5-MSJ	1.50	4.50	6.00	1.16
5, 10-BSJ	5-MSJ	2.00	5.00	6.50	1.50
—	10-MSJ	2.50	5.50	7.00	2.00
—	15-MSJ	2.75	5.75	7.25	2.25
20-BSJ	20-MSJ	3.00	6.00	7.50	2.50
30-BSJ	30-MSJ	4.50	7.50	8.00	3.38
—	35-MSJ	5.00	8.00	9.50	3.75
50, 75 & 100-BSJ	—	6.00	9.00	10.50	4.00
—	50-MSJ	6.50	9.50	11.00	4.50
—	75-MSJ	7.00	10.00	11.50	5.00
—	100-MSJ	8.00	11.00	12.50	6.00

(*BOOT w/GUIDES: C=1.25/D=4.25)

BELLOWS BOOTS FOR ROTATING SCREW JACK

Installation arrangements for rotating worm gear screw jacks vary, therefore boots for rotating jacks must be specified by the customer. The following

figures show typical installations for rotating screw jacks, standard dimensions and custom end configurations.



Typical rotating screw jack installations.

WORM GEAR SCREW JACK ACCESSORIES TECHNICAL DATA

HOW TO ORDER BOOTS FOR A TRANSLATING AND ROTATING SCREW JACK

Boots may be ordered using the reference number system as shown on pages 296, 317, 336, 345 and 358. For special material boots add "M" to the reference number and add the description.

EXAMPLE:

5-MSJ-U 6:1 / SSE-1 / SSE-2 / FT / 36.0 / **BGS**

B = Standard Boot

G = with Optional Guide(s)

Boots for upright rotating and inverted rotating jacks are ordered as separate line items.

Typical rotating jack applications require two boots, one between the housing and the travel nut and one from the travel nut to the end of the lift shaft. Each boot for a rotating screw jack is ordered as a separate line item. To order boots for a rotating screw jack, select the outside diameter "D" from the chart on the facing page and specify cuff dimensions and travel per the diagram using the reference number as shown below.

EXAMPLE:

BB / 7.50 / 4.00 x 2.0 / 3.00 x 1.50 / 72.00 / G

Bellows Boot

Outside Diameter "D"

1st Cuff = 4.00" I.D. x 2.0" long

With Guides

Maximum Travel = 72"

2nd Cuff = 3.00" I.D. x 1.5" long