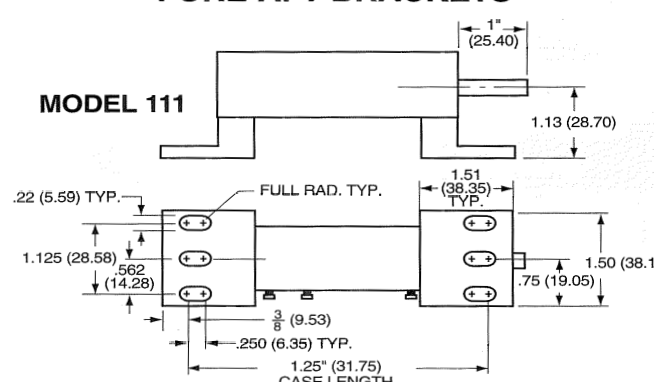


### MOUNTINGS

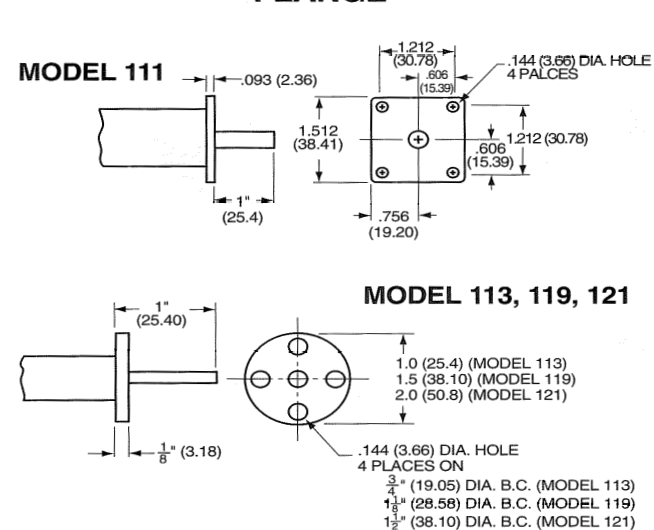
#### FORE-AFT BRACKETS



**MODEL 111**

1" (25.40)  
1.13 (28.70)  
1.51 (38.35) TYP.  
1.50 (38.1)  
.75 (19.05)  
1.25 (31.75) CASE LENGTH  
3/8 (9.53)  
.250 (6.35) TYP.  
1.25 (31.75)  
1.125 (28.58)  
.562 (14.28)  
.22 (5.59) TYP.  
FULL RAD. TYP.

#### FLANGE



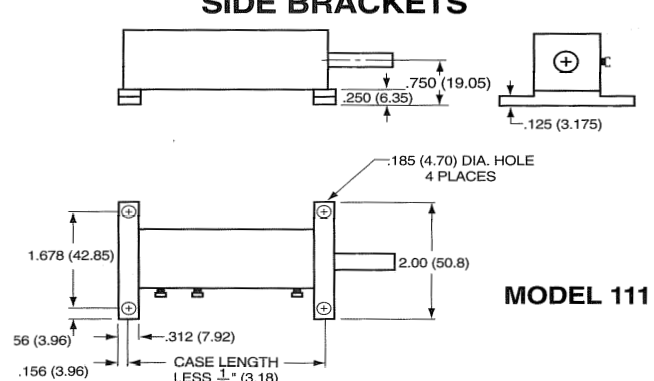
**MODEL 111**

.093 (2.36)  
1.512 (38.41)  
1" (25.4)  
1.212 (30.78)  
.606 (15.39)  
.144 (3.66) DIA. HOLE 4 PLACES  
1.212 (30.78)  
.606 (15.39)  
.756 (19.20)

**MODEL 113, 119, 121**

1" (25.40)  
1/8 (3.18)  
1.0 (25.4) (MODEL 113)  
1.5 (38.10) (MODEL 119)  
2.0 (50.8) (MODEL 121)  
.144 (3.66) DIA. HOLE 4 PLACES ON  
3/4 (19.05) DIA. B.C. (MODEL 113)  
1/2 (12.7) DIA. B.C. (MODEL 119)  
1/2 (38.10) DIA. B.C. (MODEL 121)

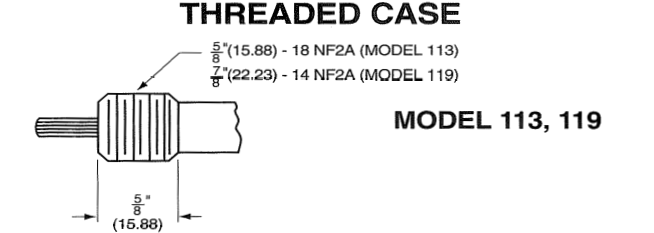
#### SIDE BRACKETS



**MODEL 111**

.750 (19.05)  
.250 (6.35)  
1.25 (31.75)  
1.85 (4.70) DIA. HOLE 4 PLACES  
1.678 (42.85)  
2.00 (50.8)  
.312 (7.92)  
56 (3.96)  
.156 (3.96)  
CASE LENGTH LESS 1/8 (3.18)

#### THREADED CASE

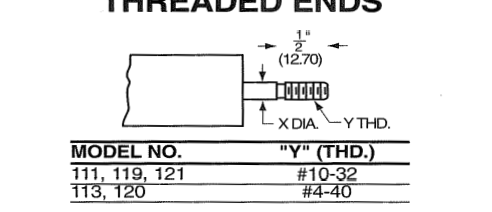


**MODEL 113, 119**

5/8 (15.88) - 18 NF2A (MODEL 113)  
7/8 (22.23) - 14 NF2A (MODEL 119)  
5/8 (15.88)

### SHAFT ENDINGS

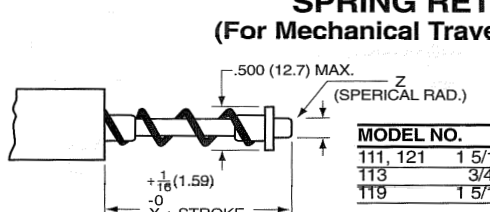
#### THREADED ENDS



1 1/2 (12.70)  
X DIA. Y THD.

MODEL NO.	"Y" (THD.)
111, 119, 121	#10-32
113, 120	#4-40

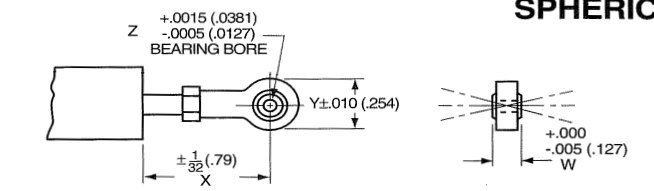
#### SPRING RETURN (For Mechanical Travels up to 1")



.500 (12.7) MAX.  
Z (SPHERICAL RAD.)  
+1/16 (1.59)  
0  
X + STROKE

MODEL NO.	X	Y
111, 121	1 5/16 (33.34)	.250 (6.35)/.248 (6.30)
113	3/4 (19.05)	.125 (3.18)/.124 (3.15)
119	1 5/16 (33.34)	.1875 (4.76)/.1845 (4.734)

### SPHERICAL BEARING



+0.0015 (.0381)  
-0.0005 (.0127)  
BEARING BORE  
Y ± .010 (.254)  
± 1/32 (.79)  
X  
+0.000  
-0.005 (.127)  
W

MODEL NO.	W	X	Y	Z
111, 121	.31 (7.87)	1 1/4 (31.75)	.63 (16.00)	.190 (4.83)
119	.25 (6.35)	1 3/16 (30.84)	.47 (11.94)	.125 (3.18)