

## No. 6 Pneumatic Actuator— Tandem Mounting



331 No. 6 Pneumatic Damper Actuator—  
Tandem Mounting.

### Description

A rugged, metal-fabricated device for tandem mounting, the No. 6 Pneumatic Damper Actuator, is piloted by a positioning relay, mounted on a sturdy angle iron frame.

### Features

- Adjustable spring span and start point
- Spring return actuators
- Replaceable diaphragms

### Arm Length Versus Rotation

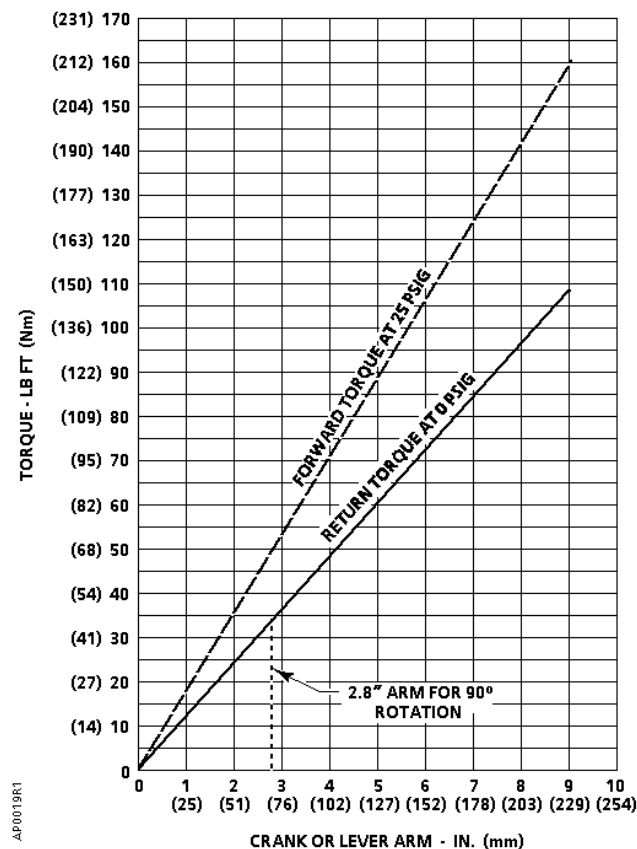
If the damper rotation is other than 90°, use the Arm Length vs. Rotation Chart and the Thrust and Torque Ratings to determine the actuator assembly torque rating. Then divide the actuator assembly torque rating by the damper torque rating per unit of area for job conditions to determine the damper area that can be controlled. Make sure the torque units used are the same.

Lever or Crank Arm Length In. (mm)	Damper Rotation in Degrees
2.3" (58 mm)	120°
2.8" (71 mm)	90°
3" (76 mm)	84°
4" (102 mm)	60°
5" (127 mm)	47°
6" (152 mm)	39°
7" (178 mm)	33°
8" (203 mm)	29°
9" (229 mm)	25°

### Applications

The No. 6 Pneumatic Damper Actuator with tandem mounting is recommended to position inlet vanes on fans or large dampers that use a jack shaft.

### Torque Rating



B-45

Damper Actuators

## No. 6 Tandem Mounting Specifications

Effective Diaphragm Area .....	35.8 in. <sup>2</sup> (230 cm <sup>2</sup> )
Stroke .....	4-in. (102 mm)
Max. Air Pressure .....	30 psi (207 kPa)
Spring Start Point (Adjustable) .....	3 to 10 psi (21 to 69 kPa)
Spring Span (Adjustable) .....	3 to 12 psi (21 to 83 kPa)
<b>Spring Range</b>	
Factory Setting .....	8 to 13 psi (55 to 90 kPa)
<b>Temperature Range</b>	
Operating .....	-20 to +200°F (-29 to +93°C)
Storage .....	-20 to +200°F (-29 to +93°C)

<b>Materials</b>	
Housing .....	Aluminum
Stem .....	Type 416SS
Diaphragm .....	Silicone rubber
Spring .....	Steel
Bearing .....	Bronze Oilite
<b>Air Connection</b> .....	1/8" NPT Female
<b>Type of Mounting</b> .....	Pivot; Universal (extended shaft for female)
<b>Shipping Weight</b> .....	30.0 lb. (13.5 kg)

## No. 6 Tandem Mounting Product Ordering

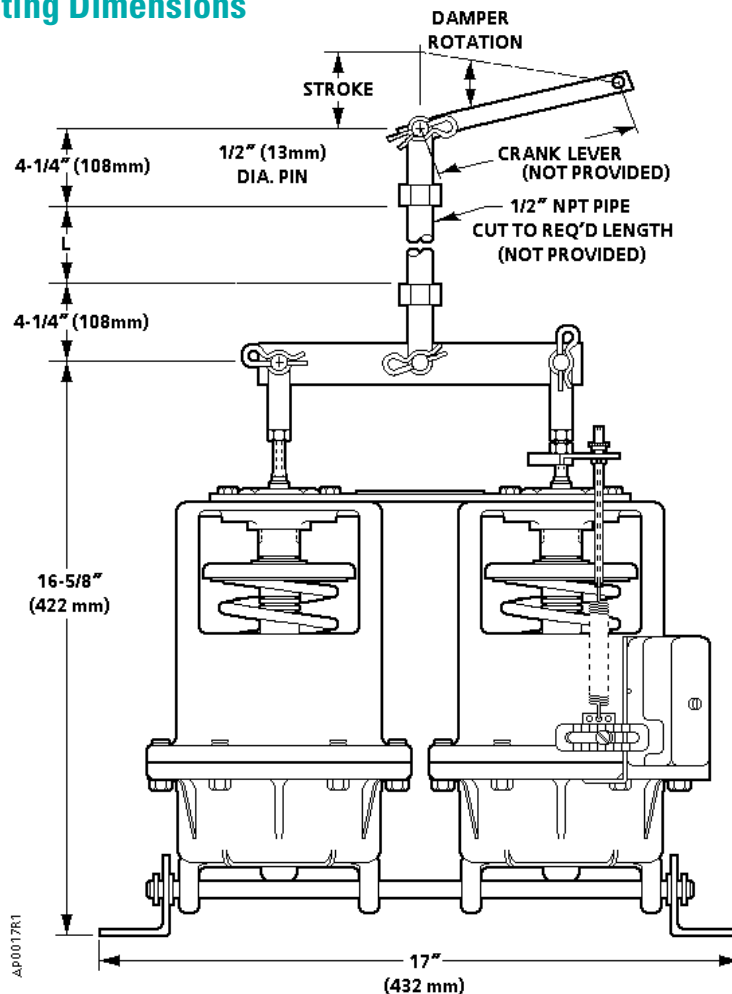
Description	Part No.
Damper Actuator with Tandem Mounting	331-3070

### Accessories & Service Kits

B-49

B-46

## No. 6 Tandem Mounting Dimensions



Dimensions shown in inches (mm).

Damper Actuators