BECK®

ELECTRIC ACTUATORS

DSG-191

IMPROVING CONTROL

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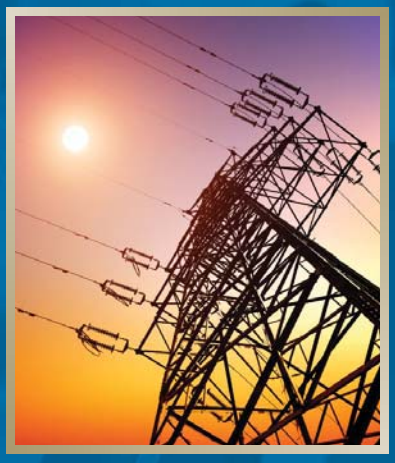

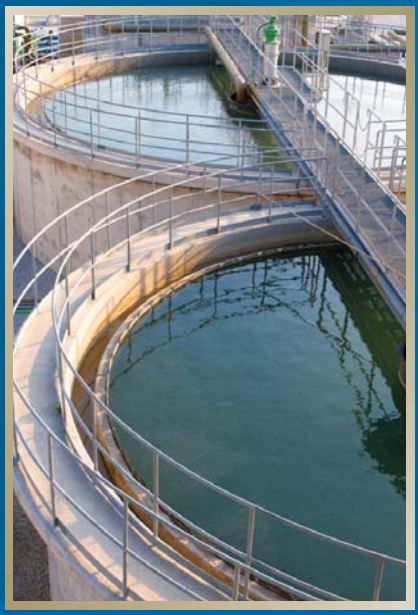

MADE IN USA SINCE 1936

BECK VIDEO
Scan with Smartphone or Tablet

Pipe Linkage Kits

Pipe Linkage Kits are necessary for heavier loads at lengths from 22” [559 mm] to 120” [3048 mm] and are designed in consideration of compression forces at maximum rated actuator torque outputs.

Pipe Linkage Kits include:

- Load lever rod end (the actuator rod end is supplied with the Beck actuator)
- Coupling (2)
- Threaded Stud (2)
- Jam Nuts (4)

The customer must supply the bolt for the load lever rod end. Use a bolt that results in the minimum clearance in the rod end. See dimension “D” in the table at the bottom of page 80.

The customer must also supply the length of pipe (using Schedule 40 pipe), which can be cut and threaded in the field. Standard NPT right-hand threads must be used on both ends of the pipe length. This arrangement allows the required kit to be ordered even if the exact linkage length is not known until the actuator and equipment are in place.

Ordering and Assembly

- Obtain the approximate overall linkage length “A” (see illustration below).
- Identify the kit part number and required pipe size from the table below. For lengths beyond those listed, contact your Beck Sales Engineer.
- Determine the pipe length required by subtracting “Length of 2 Linkage Ends” (see table below) from linkage length “A”.
- The pipe length is to be cut and threaded in the field. The final linkage assembly permits ±1 1/2” [38 mm] adjustment in the field.

Pipe Linkage Kit Specifications

Model	Linkage Length Range "A", in [mm]		Linkage Kit Part No.	Pipe Size, in [mm]	Min. Pipe Nipple Length, in [mm]	Approx. Weight, lbs [kgs]	Length of 2 Linkage Ends (Total Adj. ± 1.5" [38 mm])
	Min.	Max.					
11-15_	22 [559]	84 [2134]	20-1730-05	1 [25]	1.5 [38]	5 [2]	20.5 [521]
	31 [787]	120 [3048]	20-1740-06	1.5 [38]	1.75 [44]	9 [4]	29.25 [743]
11-20_	22 [559]	45 [1143]	20-1730-05	1 [25]	1.5 [38]	5 [2]	20.5 [521]
	31 [787]	84 [2134]	20-1740-06	1.5 [38]	1.75 [44]	9 [4]	29.25 [743]
	33.25 [845]	120 [3048]	20-1750-05	2 [51]	2 [51]	13 [6]	31.25 [794]
	37 [940]	120 [3048]	20-1760-05	2.5 [64]	2.5 [64]	22 [10]	34.5 [876]
11-30_	22.5 [572]	36 [914]	20-1730-06	1 [25]	1.5 [38]	5 [2]	21 [533]
	31.5 [800]	72 [1829]	20-1740-07	1.5 [38]	1.75 [44]	9 [4]	29.75 [756]
	33.75 [857]	96 [2438]	20-1750-06	2 [51]	2 [51]	13 [6]	31.75 [806]
	37.5 [953]	120 [3048]	20-1760-06	2.5 [64]	2.5 [64]	22 [10]	35 [889]
11-40_	23.25 [591]	34 [864]	20-1730-07	1 [25]	1.5 [38]	5 [2]	21.75 [552]
	32.25 [819]	48 [1219]	20-1740-08	1.5 [38]	1.75 [44]	9 [4]	30.5 [775]
	34.5 [876]	72 [1829]	20-1750-07	2 [51]	2 [51]	13 [6]	32.5 [826]
	38.25 [972]	120 [3048]	20-1760-07	2.5 [64]	2.5 [64]	22 [10]	35.75 [908]
11-43_ & 22-___	23.5 [597]	40 [1016]	20-1760-13	2 [51]	2 [51]	28 [711]	21.5 [546]
	37.75 [959]	144 [3658]	20-1760-10	3 [76]	2.625 [67]	32 [813]	35.125 [892]
	59.75 [1518]	144 [3658]	20-1760-09*	3 [76]	2.625 [67]	41 [1041]	57.125 [1451]

*Use when the angle between the linkage and crank arm is less than 25°.

Pipe Linkage Assembly