

## Spring (Cartridge) placement

Bettis RPE-Series Spring return actuators are supplied with springs on each side of the actuator. Throughout the RPE-Series size range, there are two different spring designs:

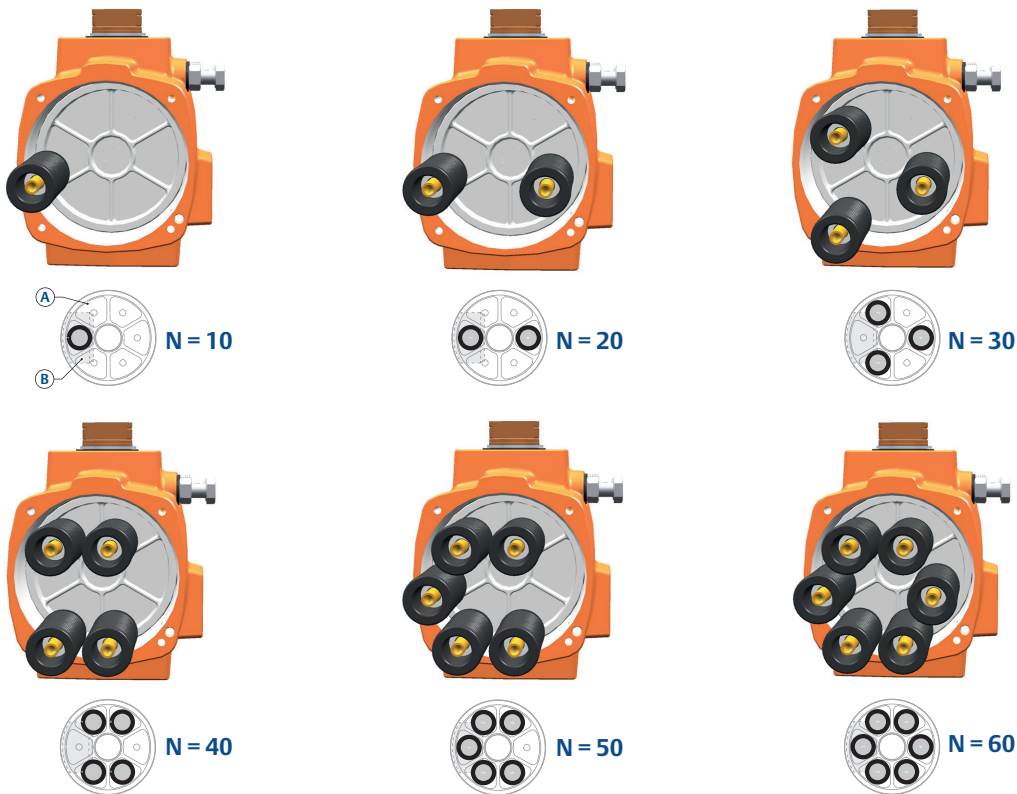
- Sizes RPE25 to RPE600 have 6 springs on each side (see figure 1).
- Sizes RPE950 to RPE4000 have 3 springs on each side (see figure 2).

Check below figures to see where to place the spring cartridges in case of spring set conversion.

When replacing spring cartridges in a spring-return actuator, ensure that the cartridges are replaced in their identical position from where they were removed.

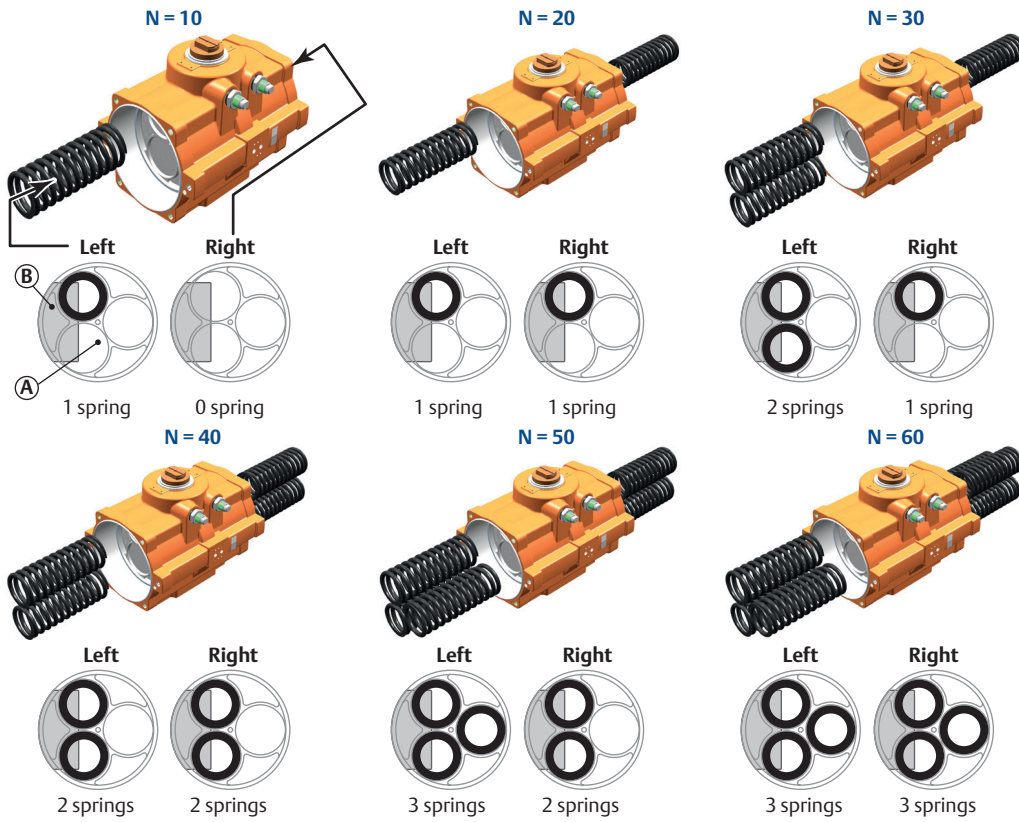
Before assembling the spring cartridges and end caps, make sure that the pistons are completely inwards.

Figure 1. Spring placement sizes RPE25 to RPE600



A = Piston top view  
B = Position of piston gear rack

**Figure 2. Spring placement sizes RPE 950 to RPE4000**



A = Piston top view  
 B = Position of piston gear rack