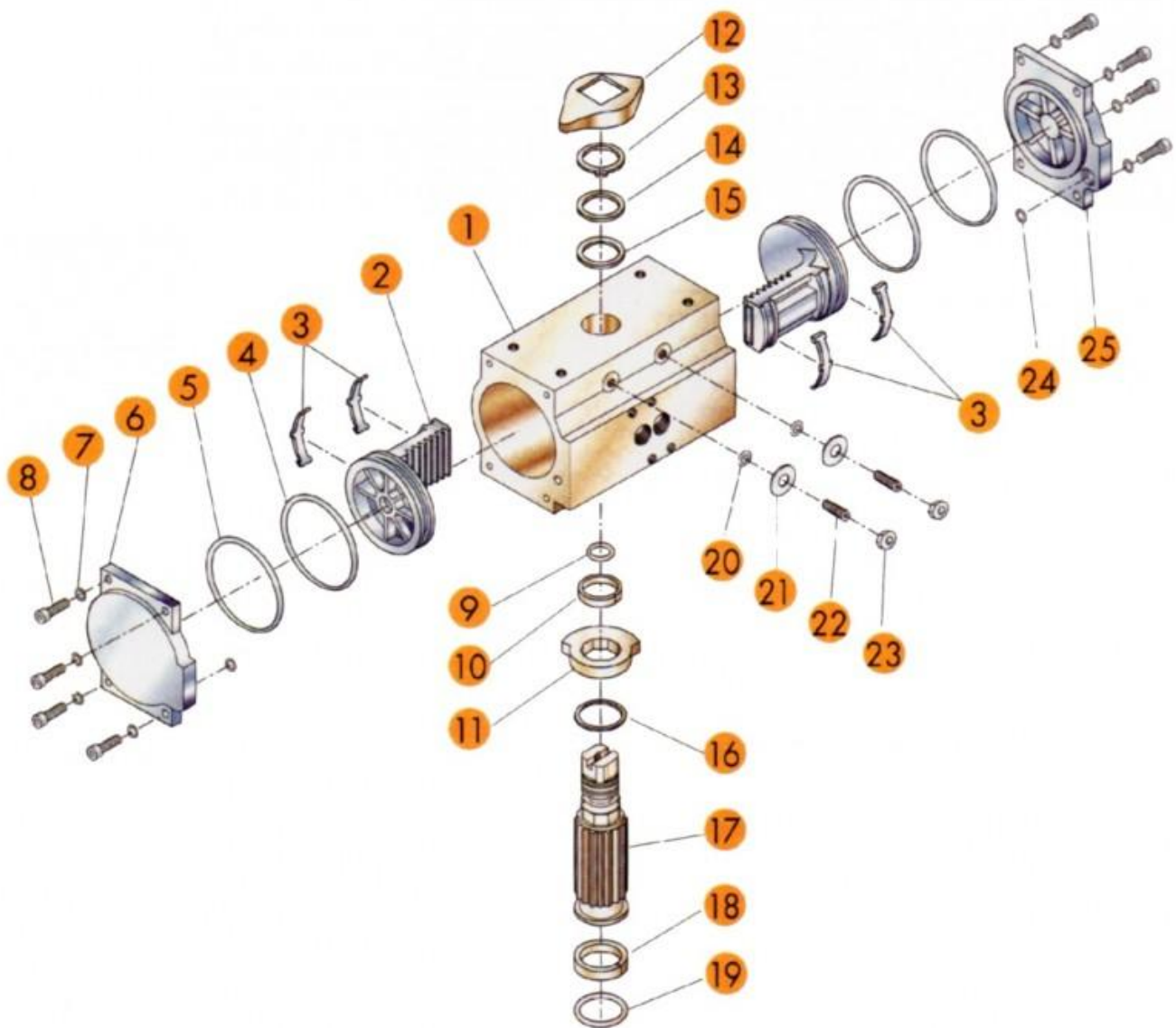


# Design and construction

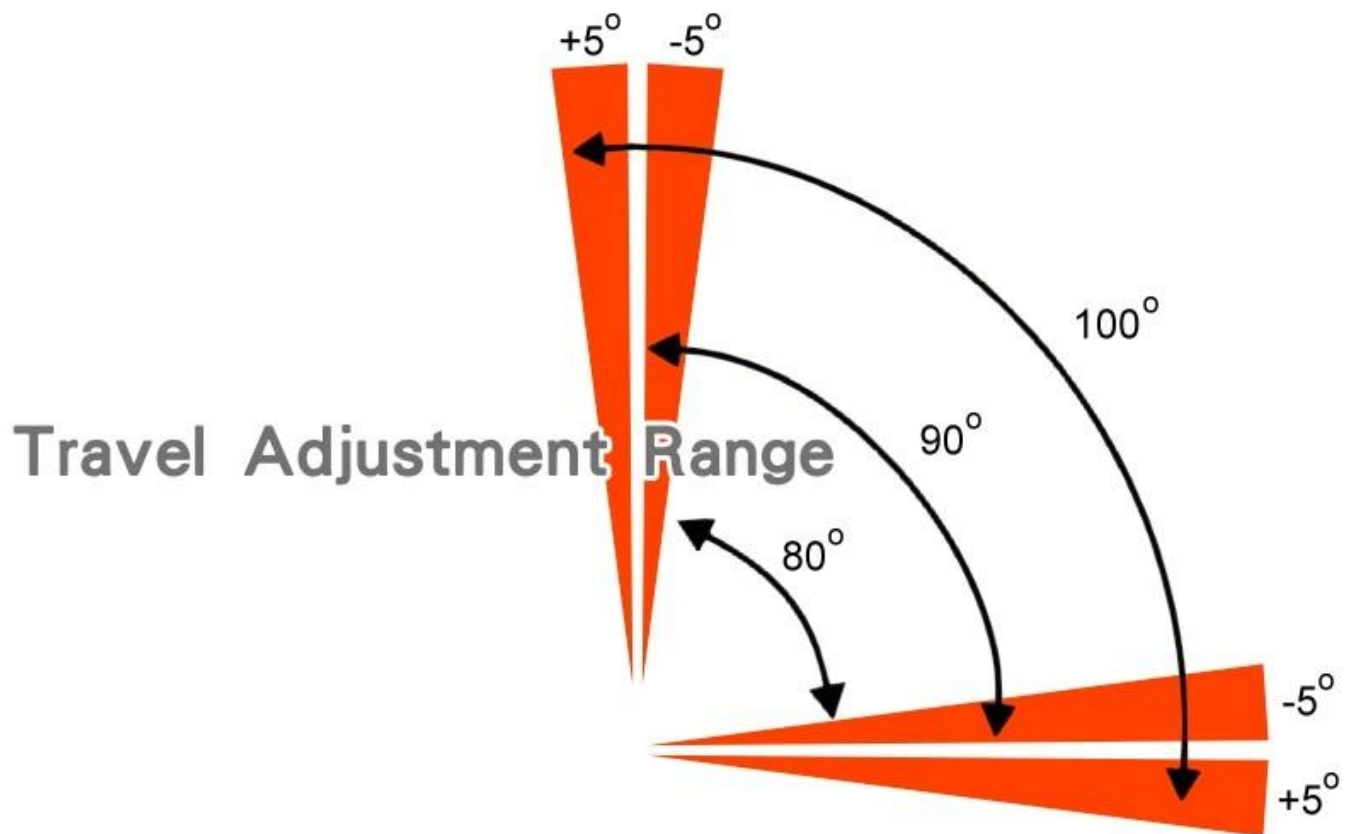


1. BODY: Extruded aluminum alloy  
( Hard anodized )
2. PISTONS: Die cast aluminum alloy
3. BEARING: Nylon
4. O-RING: Buna-N
5. O-RING: Buna-N
6. END CAP(L): Die cast aluminum alloy
7. WASHER: Stainless steel
8. CAP SCREW: Stainless steel
9. O-RING: Buna-N
10. BEARING: Nylon
11. STOP CAM: Sinteral steel
12. PISTON INDICATOR: Polyethylene

13. RETAINING RING: Stainless steel
14. WASHER: Stainless steel
15. BEARING: Nylon
16. RETAINING RING: Stainless steel
17. PINION: Carbon steel (Electroless nickel plated)
18. BEARING: Nylon
19. O-RING: Buna-N
20. O-RING: Buna-N
21. WASHER: Stainless steel
22. STOP SCREW: Stainless steel
23. NUT: Stainless steel
24. O-RING: Buna-N
25. END CAP(R): Die cast aluminum alloy



## Bi-directional travel stop illustration



C-MAX C-Series actuators feature bi-directional pinion travel stops. Side located stops allow a full  $\pm 5^\circ$  of valve travel adjustment, giving a guaranteed range of adjustment between  $80^\circ$  and  $-100^\circ$  of actuator travel. These travel stops are designed to absorb the maximum rated torque of the actuator and the maximum impact loads associated with recommended stroke speed.

### Standard Assembly :

Adjustment of the counterclockwise and clockwise rotation limits are accomplished by turning the respective left and right stop adjustment screws to reduce or increase output rotation.