# TRISTAR ANSI NPT WITH PNEUMATIC ACTUATOR

**F-F-F NPT**



MADE IN ITALY

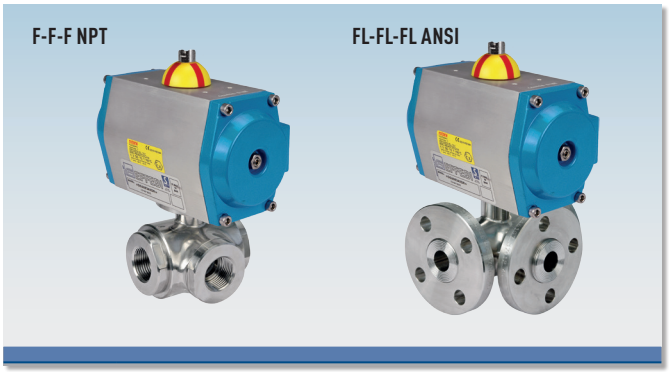
**FL-FL-FL ANSI 150**

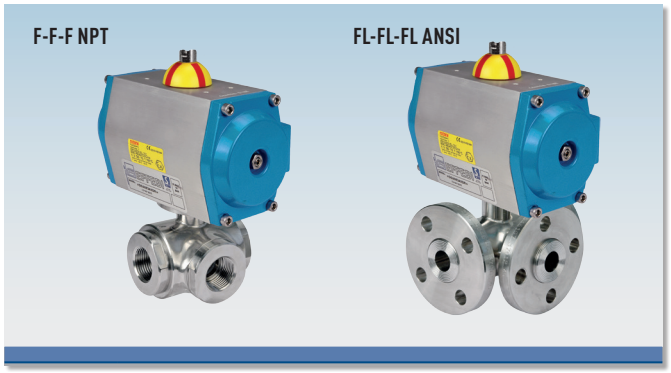


FULL BORE

Atex CE Ex*

* on request




### DOUBLE ACTING (F-F-F) (NPT)

| | |
|---|---|
| art. D02BA | L AISI 316L F/F/F from 1/4" to 4" |
| art. D01BA | T AISI 316L F/F/F from 1/4" to 4" |

### SINGLE ACTING (F-F-F) (NPT)

| | |
|---|---|
| art. S02BA | L AISI 316L F/F/F from 1/4" to 4" |
| art. S01BA | T AISI 316L F/F/F from 1/4" to 4" |

### DOUBLE ACTING (FL-FL-FL) (ANSI 150)

| | |
|---|---|
| art. D04BA | L AISI 316L FL/FL/FL from 1/2" to 4" |
| art. D03BA | T AISI 316L FL/FL/FL from 1/2" to 4" |

### SINGLE ACTING (FL-FL-FL) (ANSI 150)

| | |
|---|---|
| art. S04BA | L AISI 316L FL/FL/FL from 1/2" to 4" |
| art. S03BA | T AISI 316L FL/FL/FL from 1/2" to 4" |

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ICIM UNI EN ISO 9001: 2015
ICIM ISO 14001:2015

# TRISTAR ANSI NPT
## WITH PNEUMATIC ACTUATOR

**ACTUATOR FEATURES:**
- **ROTATION ANGLE:** 90°.
- **TEMPERATURE LIMITS:** -4°F / +194°F.
- **MAXIMUM SUPPLY PRESSURE:** 145 Psi (116 Psi for DNA045).
- **NOMINAL PRESSURE:** 81.5 Psi.
- **SUPPLY FLUID:** filtered compressed air.
- **LUBRICATION:** NBR compatible oil to be used.
- Long regulation pin for the regulation from 0° up to 90° (on request)

For further information on the actuator technical features refer to the specific data sheet for actuator at the end of this catalogue.

**MAIN STANDARD FEATURES:**
- **CONSTRUCTION:** AISI 316L.
- **PRESSURES:** 580 psi up to 1"1/2- 362 psi 2"-2"1/2
  232 psi 3"-4".
- **TEMPERATURE LIMITS:** -4°F / +320°F (PTFE).
- **CONNECTIONS:** F/F/F NPT ANSI B1.20.1
  FL/FL/FL flanged ANSI 150
- **SEATS:** 4 wrapping gaskets.
- **STEM SEAL:** triple patented stem-packing with labyrinth effect.
- **UPPER CONNECTION:** ISO 5211.
- **OPERATOR:** lever.
- **LEVER ROTATION:** 90° clockwise.

**F/F/F NPT - TRISTAR DOUBLE ACTING**

| SIZE inch. | WEIGHT Lbf | A | B | C | E | ACTUATOR | KIT |
|---|---|---|---|---|---|---|---|
| 1/4" | 5.09 | 5.24 | 3.07 | 2.91 | 5.93 | DGA052AXDR | KATX0004 |
| 3/8" | 5.07 | 5.24 | 3.07 | 2.91 | 5.93 | DGA052AXDR | KATX0004 |
| 1/2" | 5.73 | 5.24 | 3.07 | 2.91 | 6.02 | DGA052AXDR | KATX0004 |
| 3/4" | 9.88 | 6.34 | 4.02 | 3.94 | 7.34 | DGA075AXDR | KATX0005 |
| 1" | 11.24 | 6.34 | 4.02 | 3.94 | 7.52 | DGA075AXDR | KATX0005 |
| 1" 1/4 | 15.48 | 6.34 | 4.02 | 3.94 | 8.33 | DGA075AXDR | KATX0007 |
| 1" 1/2 | 21.34 | 7.09 | 4.25 | 4.25 | 8.94 | DGA083AXDR | KATX0007 |
| 2" | 26.21 | 8.23 | 4.72 | 4.61 | 9.39 | DGA092AXDR | KATX0007 |
| 2" 1/2 | 30.29 | 8.23 | 4.72 | 4.61 | 9.78 | DGA092AXDR | KATX0007 |
| 3" | 61.51 | 11.57 | 4.72 | 5.51 | 11.26 | DNA118AXDR | KATX0011 |
| 4" | 88.96 | 11.57 | 4.72 | 5.51 | 11.85 | DNA118AXDR | KATX0011 |

**FL/FL/FL ANSI 150 - TRISTAR DOUBLE ACTING**

| SIZE inch. | WEIGHT Lbf | A | B | C | E | ACTUATOR | KIT |
|---|---|---|---|---|---|---|---|
| 1/2" | 10.21 | 5.24 | 3.07 | 2.91 | 6.02 | DGA052AXDR | KATX0004 |
| 3/4" | 16.34 | 6.34 | 4.02 | 3.94 | 7.34 | DGA075AXDR | KATX0005 |
| 1" | 20.39 | 6.34 | 4.02 | 3.94 | 7.52 | DGA075AXDR | KATX0005 |
| 1" 1/4 | 29.14 | 6.34 | 4.02 | 3.94 | 8.33 | DGA075AXDR | KATX0007 |
| 1" 1/2 | 37.48 | 7.09 | 4.25 | 4.25 | 8.94 | DGA083AXDR | KATX0007 |
| 2" | 49.82 | 8.23 | 4.72 | 4.61 | 9.39 | DGA092AXDR | KATX0007 |
| 2" 1/2 | 60.63 | 8.23 | 4.72 | 4.61 | 9.78 | DGA092AXDR | KATX0007 |
| 3" | 90.83 | 11.57 | 4.72 | 5.51 | 11.26 | DNA118AXDR | KATX0011 |
| 4" | 129.19 | 11.57 | 4.72 | 5.51 | 11.85 | DNA118AXDR | KATX0011 |
| | | | | | | | |
| | | | | | | | |

**F/F/F NPT - TRISTAR SINGLE ACTING**

| SIZE inch. | WEIGHT Lbf | A | B | C | E | ACTUATOR | KIT |
|---|---|---|---|---|---|---|---|
| 1/4" | 8.51 | 6.34 | 4.02 | 3.94 | 9.31 | SGA0755XDR | KATX0104 |
| 3/8" | 8.49 | 6.34 | 4.02 | 3.94 | 9.31 | SGA0755XDR | KATX0104 |
| 1/2" | 9.15 | 6.34 | 4.02 | 3.94 | 9.41 | SGA0755XDR | KATX0104 |
| 3/4" | 14.07 | 8.23 | 4.72 | 4.61 | 8.01 | SGA0925XDR | KATX0005 |
| 1" | 15.43 | 8.23 | 4.72 | 4.61 | 8.19 | SGA0925XDR | KATX0005 |
| 1" 1/4 | 24.52 | 8.78 | 4.72 | 5.51 | 9.90 | SNA1104XDR | KATX0107 |
| 1" 1/2 | 29.50 | 8.78 | 4.72 | 5.51 | 10.20 | SNA1104XDR | KATX0107 |
| 2" | 37.02 | 11.57 | 4.72 | 5.51 | 10.30 | SNA1184XDR | KATX0107 |
| 2" 1/2 | 41.09 | 11.57 | 4.72 | 5.51 | 10.69 | SNA1184XDR | KATX0107 |
| 3" | 80.69 | 13.27 | 6.77 | 7.80 | 13.54 | SNA1435XDR | KATX0111 |
| 4" | 108.14 | 13.27 | 6.77 | 7.80 | 14.13 | SNA1435XDR | KATX0111 |

**FL/FL/FL ANSI 150 - TRISTAR SINGLE ACTING**

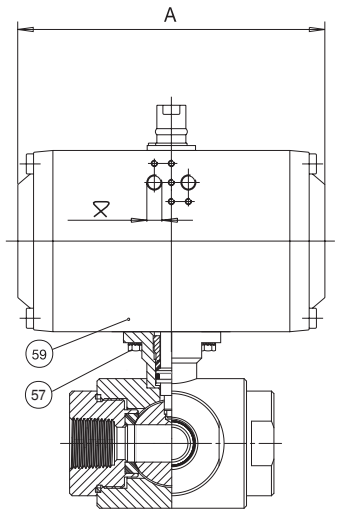
| SIZE inch. | WEIGHT Lbf | A | B | C | E | ACTUATOR | KIT |
|---|---|---|---|---|---|---|---|
| 1/2" | 13.62 | 6.34 | 4.02 | 3.94 | 9.41 | SGA0755XDR | KATX0104 |
| 3/4" | 20.52 | 8.23 | 4.72 | 4.61 | 8.01 | SGA0925XDR | KATX0005 |
| 1" | 24.58 | 8.23 | 4.72 | 4.61 | 8.19 | SGA0925XDR | KATX0005 |
| 1" 1/4 | 38.18 | 8.78 | 4.72 | 5.51 | 9.90 | SNA1104XDR | KATX0107 |
| 1" 1/2 | 45.64 | 8.78 | 4.72 | 5.51 | 10.20 | SNA1104XDR | KATX0107 |
| 2" | 60.63 | 11.57 | 4.72 | 5.51 | 10.30 | SNA1184XDR | KATX0107 |
| 2" 1/2 | 71.43 | 11.57 | 4.72 | 5.51 | 10.69 | SNA1184XDR | KATX0107 |
| 3" | 110.01 | 13.27 | 6.77 | 7.80 | 13.54 | SNA1435XDR | KATX0111 |
| 4" | 148.37 | 13.27 | 6.77 | 7.80 | 14.13 | SNA1435XDR | KATX0111 |
| | | | | | | | |
| | | | | | | | |

**LIST OF COMPONENTS AND MATERIALS**

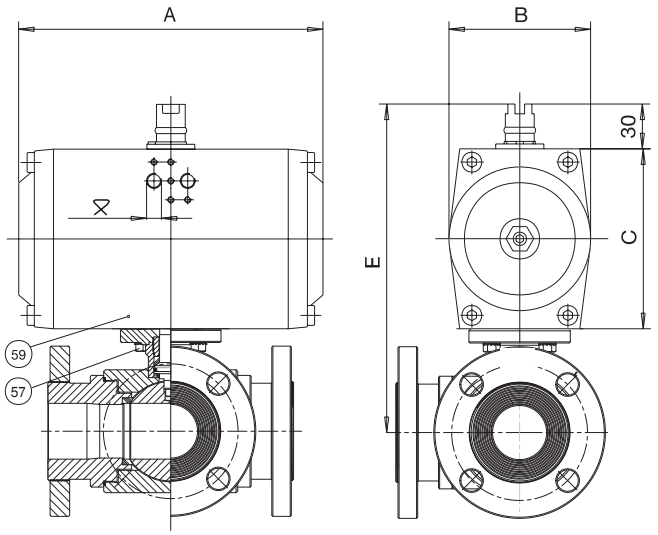
| | | | |
|---|---|---|---|
| 58 | BRACKET/ACTUATOR SCREW | 4 | 8.8 ZINC. |
| 59 | ACTUATOR | 1 | AL. ANODIZED |
| | | | |

## SECTION

**F-F-F NPT**




**FL-FL-FL ANSI**




⧖ 063÷092=1/8"G
110÷190=1/4"G