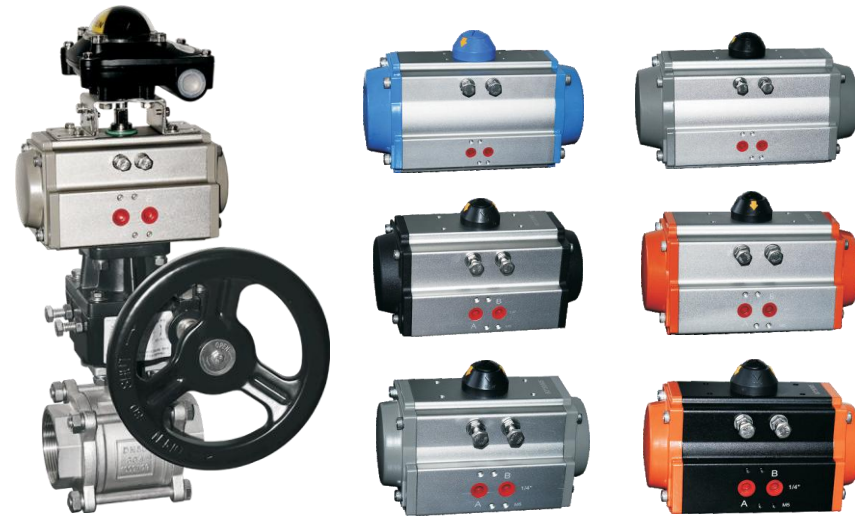


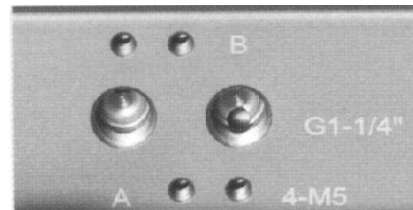
Operating conditions:

- Operating media:**
Dry or lubricated air, or the non-corrosive gases the maximum particle diameter must less than 30 μm
- Air supply pressure:**
The Min supply pressure is 2 Bar
The Max supply pressure is 8 Bar
- Operating temperature:**
Standard: -20°C ~ +80°C
Low temperature: -40°C ~ +80°C
High temperature: -20 ~ +160°C
- Travel adjustment:**
Have adjustment range of ±5° for the rotation at 0° and 90°
- Use occasions:** Indoor or outdoor installation

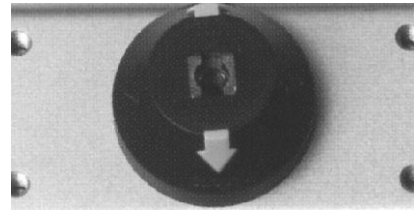


Control type :

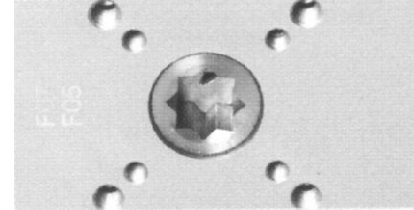
Double acting and spring return



Air supply connection is designed in accordance with NAMUR Standard to install solenoid valves.

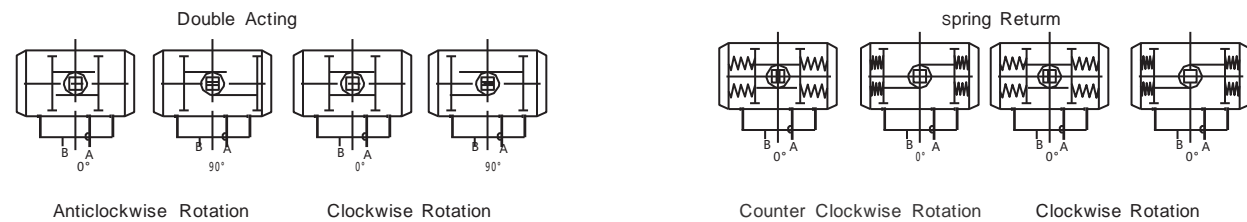


The Namur drive pinion and the Namur top mounting connection permit direct installation of accessories such as limit switch box and positioner.

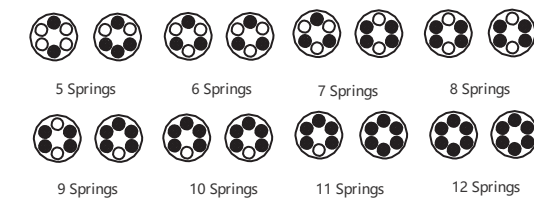


Bottom mounting connection is designed in accordance with ISO5211 and DIN3337 standards for direct mounting with valve gear boxes or mounting brackets.

Working Principle



Spring Positions of Spring Return Actuator



Double Acting Actuator Output Torque(Unit:Nm)

| Model | Input air supply pressure (unit:Bar) | | | | | | |
|---------|--------------------------------------|------|-------|-------|-------|-------|------|
| | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| JAT32D | 3.1 | 4.7 | 6.2 | 7.8 | 9.4 | 11 | 12.5 |
| JAT52D | 8.5 | 12.7 | 17 | 21.2 | 25.5 | 29.7 | 34 |
| JAT63D | 15 | 22.5 | 30 | 37.5 | 44.9 | 52.4 | 59.7 |
| JAT75D | 21 | 31.8 | 42.4 | 53 | 63.6 | 74.2 | 84.8 |
| JAT83D | 32.5 | 48.7 | 65 | 81.2 | 97.4 | 113.7 | 130 |
| JAT92D | 46.5 | 69.8 | 93 | 116.3 | 140 | 162.9 | 186 |
| JAT105D | 69.3 | 104 | 138.5 | 173.2 | 207.8 | 242.5 | 277 |
| JAT115D | 95 | 129 | 172 | 215 | 258 | 301 | 344 |
| JAT125D | 108 | 162 | 216 | 270 | 324 | 378 | 432 |
| JAT140D | 184.7 | 277 | 369.5 | 461.8 | 554 | 646.5 | 739 |
| JAT160D | 281.5 | 422 | 563 | 704 | 844 | 985 | 1126 |
| JAT210D | 554 | 831 | 1108 | 1384 | 1662 | 1939 | 2216 |
| JAT270D | 1236 | 1854 | 2472 | 3090 | 3708 | 4326 | 4944 |

Spring Return Actuator Output Torque(Unit:Nm)

| Air Supply Pressure | | Output Torque Of Air To Spring | | | | | | | | | | | | Output Torque Spring | |
|---------------------|------------|--------------------------------|------|-------|------|-------|------|-------|------|-------|------|-------|------|----------------------|------|
| | | 3Bar | | 4Bar | | 5Bar | | 6Bar | | 7Bar | | 8Bar | | | |
| Model | Spring Qty | 0° | 90° | 0° | 90° | 0° | 90° | 0° | 90° | 0° | 90° | 0° | 90° | 0° | 90° |
| | | Start | End | Start | End | Start | End | Start | End | Start | End | Start | End | Start | End |
| JAT52SR | 5 | 8.8 | 7.3 | 13.0 | 11.6 | | | | | | | | | 5.4 | 4.0 |
| | 6 | 8.0 | 6.3 | 12.2 | 10.5 | 16.5 | 14.8 | | | | | | | 6.5 | 4.7 |
| | 7 | 8.2 | 5.2 | 11.5 | 9.4 | 15.7 | 13.7 | 20.0 | 17.9 | | | | | 7.6 | 5.5 |
| | 8 | 6.4 | 4.1 | 10.7 | 8.3 | 14.9 | 12.6 | 19.2 | 16.8 | 23.4 | 21.1 | | | 8.6 | 6.3 |
| | 9 | | | 9.9 | 7.3 | 14.1 | 11.5 | 18.4 | 15.8 | 22.6 | 20.0 | 26.9 | 24.3 | 9.7 | 7.1 |
| | 10 | | | 9.1 | 6.2 | 13.3 | 10.4 | 17.6 | 14.7 | 21.8 | 18.9 | 26.1 | 23.2 | 10.8 | 7.9 |
| | 11 | | | | | 12.5 | 9.4 | 16.8 | 13.6 | 21.0 | 17.9 | 25.3 | 22.1 | 11.9 | 8.7 |
| JAT63SR | 5 | 15.7 | 12.5 | 23.1 | 20.0 | | | | | | | | | 9.9 | 6.8 |
| | 6 | 14.3 | 10.5 | 21.8 | 18.0 | 29.3 | 25.5 | | | | | | | 11.9 | 8.1 |
| | 7 | 13.0 | 8.5 | 20.4 | 16.0 | 27.9 | 23.5 | 35.4 | 31.0 | | | | | 13.9 | 9.5 |
| | 8 | 11.6 | 6.5 | 19.1 | 14.0 | 26.6 | 21.5 | 34.0 | 29.0 | 41.5 | 36.5 | | | 15.9 | 10.8 |
| | 9 | | | 17.7 | 12.0 | 25.2 | 19.5 | 32.7 | 27.0 | 40.2 | 34.5 | 47.6 | 42.0 | 17.9 | 12.2 |
| | 10 | | | 16.4 | 10.0 | 23.8 | 17.5 | 31.3 | 25.0 | 38.8 | 32.5 | 46.3 | 40.0 | 19.9 | 13.6 |
| | 11 | | | | | 22.5 | 15.5 | 30.0 | 23.0 | 37.5 | 30.5 | 44.9 | 38.0 | 21.9 | 14.9 |
| JAT75SR | 5 | 27.0 | 21.6 | 39.3 | 34.0 | | | | | | | | | 15.5 | 10.2 |
| | 6 | 24.9 | 18.5 | 37.3 | 30.9 | 49.7 | 43.3 | | | | | | | 18.6 | 12.2 |
| | 7 | 22.9 | 15.5 | 35.3 | 27.8 | 47.6 | 40.2 | 60.0 | 52.6 | | | | | 21.7 | 14.2 |
| | 8 | 20.9 | 12.4 | 33.2 | 24.7 | 45.6 | 37.1 | 58.0 | 49.5 | 70.4 | 61.8 | | | 24.8 | 16.2 |
| | 9 | | | 31.2 | 21.6 | 43.6 | 34.0 | 56.0 | 46.4 | 68.3 | 58.7 | 80.7 | 71.1 | 27.8 | 18.3 |
| | 10 | | | 29.2 | 18.5 | 41.6 | 30.9 | 53.9 | 43.3 | 66.3 | 55.7 | 78.8 | 68.0 | 30.9 | 20.3 |
| | 11 | | | | | 39.5 | 27.8 | 51.9 | 40.2 | 64.3 | 52.6 | 76.6 | 64.9 | 34.0 | 22.3 |
| 12 | | | | | 37.5 | 24.7 | 49.9 | 37.1 | 62.2 | 49.5 | 74.6 | 61.8 | 37.1 | 24.4 | |