# DNC 32-125 ISO 15552

Standards-based cylinders to ISO15552 ,ISO 6431

Oil bearing is adopted so the piston rod do not need to be lubricated

Besides fixed buffer, the cylinder terminal has adjustable cushion screw so that the cylinder enters stably during commute direction

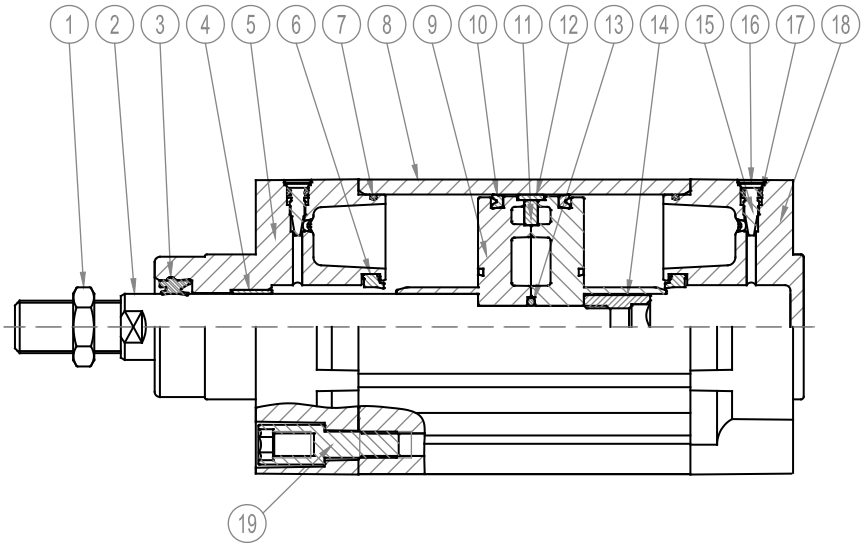
The seal material with high temperature resistance is adopted to guarantee the normal operation of cylinder at 150℃

The cylinder piston is equipped with a permanent magnet that can trigger the magnetic switch of the cylinder to detect the moving position of cylinder


## TECHNICAL DATA

| BORE[Φ] | 32 | 40 | 50 | 63 | 80 | 100 | 125 |
|---|---|---|---|---|---|---|---|
| **Pneumatic connection** | G1/8" | G1/4" | G1/4" | G3/8" | G3/8" | G1/2" | G1/2" |
| **Piston rod thread** | M10×1.25 | M12×1.25 | M16×1.5 | M16×1.5 | M20×1.5 | M20×1.5 | M27×2 |
| **Cushioning** | Adjustable at both ends | | | | | | |
| **Cushioning length[mm]** | 22 | 22 | 24 | 26 | 34 | 36 | 30 |
| **Operating temperature** | -5-70℃ | | | | | | |
| **Operating pressure** | 12 bar | | | | | | |
| **Operating medium** | Filtered compressed air,with or without lubrication | | | | | | |
| **Version** | Single acting or Double acting | | | | | | |
| **Type of mounting** | Via accessories | | | | | | |
| **Mounting position** | Any | | | | | | |

1 bar=0.1MPa=14.5PSI




| | | |
|---|---|---|
| 1 | Nut,Piston rod | Carbon steel |
| 2 | Piston rod | C45 chrome-plated steel |
| 3 | Wiper seal | PU |
| 4 | Oil bearing | Steel |
| 5 | Front cover | Die cast aluminium |
| 6 | Cushioning seal | NBR |
| 7 | O-ring,Front cover | NBR |
| 8 | Tube | Anodized aluminium |
| 9 | Piston | Die cast aluminium |
| 10 | Piston seal | NBR |
| 11 | Magnet | Ferrite |
| 12 | Wear Ring | POM |
| 13 | O-ring,Piston rod | NBR |
| 14 | Piston rod lock nut | Carbon steel |
| 15 | Cushion adjustment screw | Brass |
| 16 | Snap ring,Cushion screw | Spring steel |
| 17 | O-ring,Cushion screw | NBR |
| 18 | End Cover | Die cast aluminium |
| 19 | Tie rod screw | Nickel-plated steel |

## KEY CODE

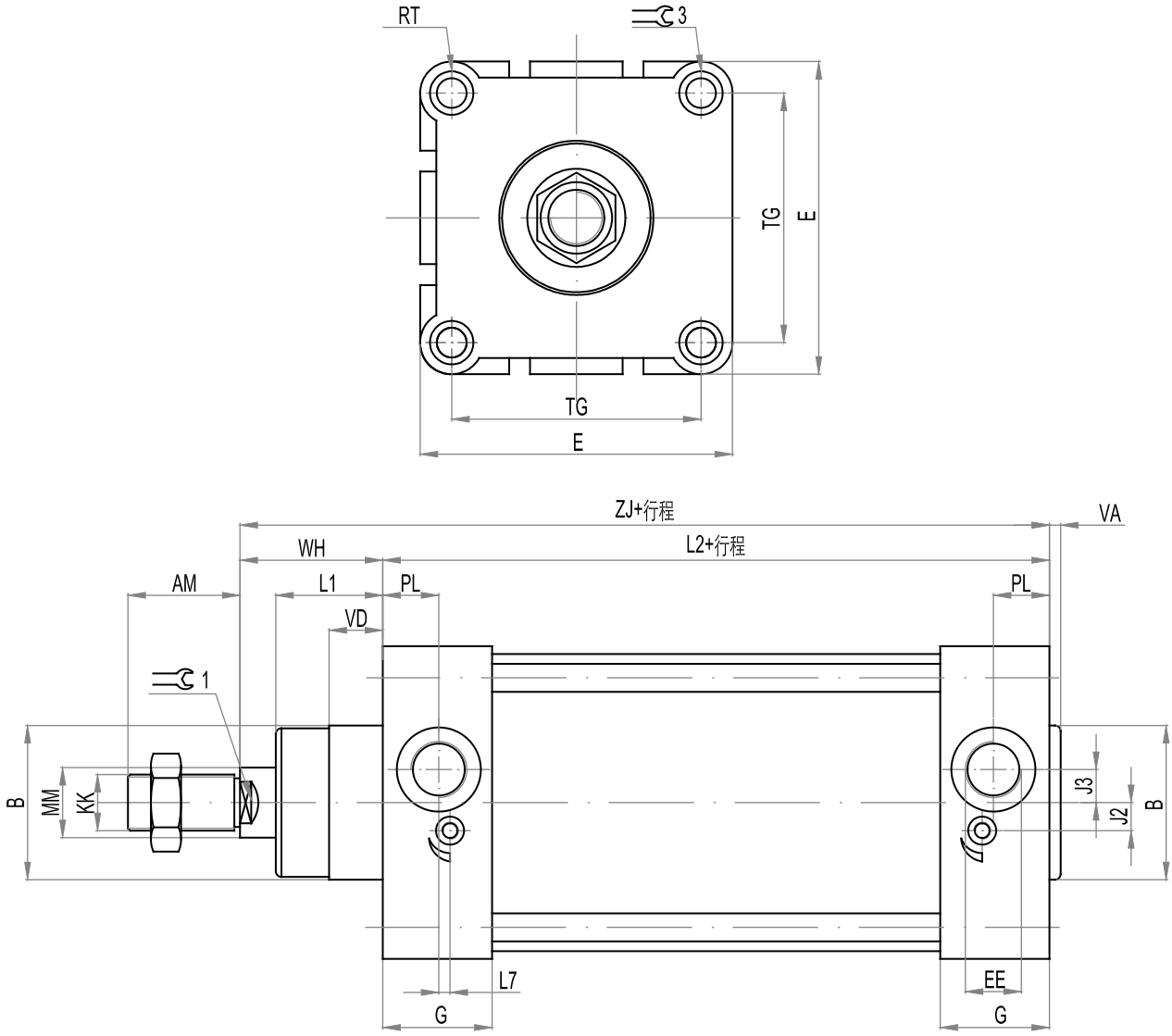
DNC D - 50 X 50 - 25 - S - SA - P - 2 4 - LB - I

| DNC | D | 50 | 50 | 25 | S | SA | P |
|---|---|---|---|---|---|---|---|
| SERIES | TYPE | BORE | STROKE [mm] | ADJUSTABLE STROKE | MAGNETIC | VERSION | THREAD TYPE |
| DNC=Without tie rod | Blank=Standard | 32-40-50-63-80-100-125 | As request | As request | Blank=Without magnet | SA= Single acting | P=PT Thread |
| | D=Double rod type | | | | S=With magnet | DA= Double acting | N=NPT Thread |
| | | | | | | | G=G Thread |

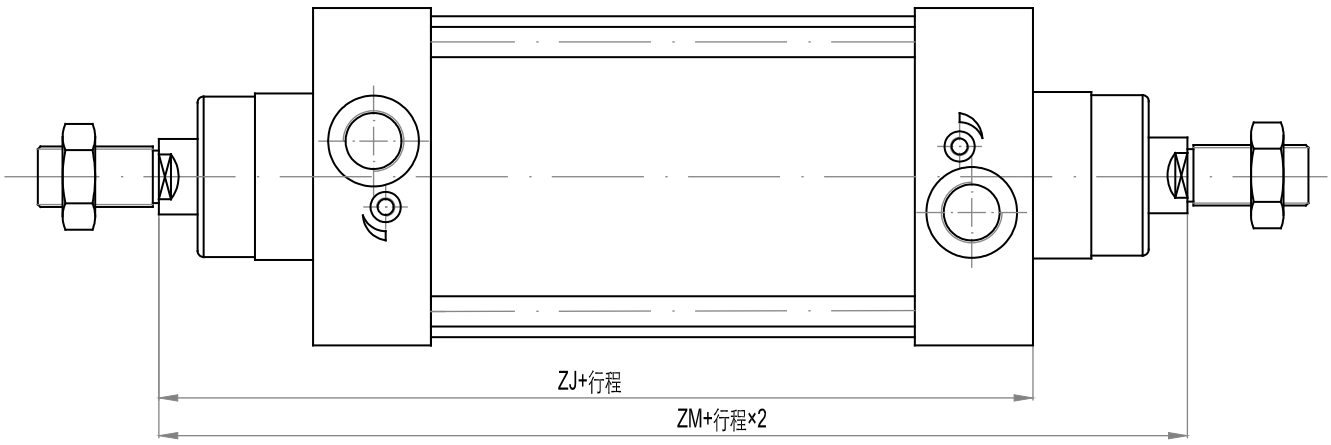
| 2 | 4 | LB | I |
|---|---|---|---|
| PISTON ROD MATERIAL | TIE ROD MATERIAL | MOUNTING TYPE | CONNECTOR TYPE |
| Blank=Carbon steel | Blank=Carbon steel | Blank=Without accessory | Blank=Without accessory |
| 2=316 Stainless steel | 4=316 Stainless steel | LB=Angle bracket | I=I joint |
| | | FA=Flange | Y=Y joint |
| | | CA=Male clevis | U=Rod eye joint |
| | | CB=Female clevis | F=Floating joint |
| | | LNG=Square hinge | |

PS: High temperature seals available upon request

## DNC Standard Type




## DNCD Double rod type



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## DIMENSIONS

| Φ [MM] | 32 | 40 | 50 | 63 | 80 | 100 | 125 |
|---|---|---|---|---|---|---|---|
| AM | 22 | 24 | 32 | 32 | 40 | 40 | 54 |
| B | 30 | 35 | 40 | 45 | 45 | 55 | 60 |
| E | 45 | 54 | 64 | 75 | 93 | 110 | 134 |
| EE | G1/8" | G1/4" | G1/4" | G3/8" | G3/8" | G1/2" | G1/2" |
| G | 25.1 | 29.6 | 29.6 | 35.6 | 35.9 | 38.8 | 45 |
| J2 | 7.1 | 7.5 | 8.5 | 12 | 8 | 10 | 13 |
| J3 | 5.5 | 6 | 8.5 | 10 | 12.7 | 11.8 | 8 |
| KK | M10×1.25 | M12×1.25 | M16×1.5 | M16×1.5 | M20×1.5 | M20×1.5 | M27×2 |
| L1 | 18 | 21.5 | 28 | 28.5 | 34.7 | 338.2 | 46 |
| L2 | 94 | 105 | 106 | 121 | 128 | 138 | 160 |
| L7 | 5.5 | 7 | 4.5 | 2 | 1 | 4 | 14 |
| MM | 12 | 16 | 20 | 20 | 25 | 25 | 32 |
| PL | 12.6 | 14.6 | 14.6 | 18.1 | 17.9 | 19.8 | 18 |
| RT | M6 | M6 | M8 | M8 | M10 | M10 | M12 |
| TG | 32.5 | 38 | 46.5 | 56.5 | 72 | 89 | 110 |
| VA | 4 | 4 | 4 | 4 | 4 | 4 | 6 |
| VD | 8 | 10 | 10 | 12 | 15 | 15 | 10 |
| WH | 26 | 30 | 37 | 37 | 46 | 51 | 65 |
| ZJ | 120 | 135 | 143 | 158 | 174 | 189 | 225 |
| ZM | 146 | 165 | 180 | 195 | 220 | 240 | 291 |
| C1 | 10 | 13 | 17 | 17 | 22 | 22 | 27 |
| C3 | 6 | 6 | 8 | 8 | - | - | - |

## MOUNTING ATTACHMENTS AND ACCESSORIES

| Φ | LB | FA/FB | CA | CB | LNG | SNCS | I | Y | U | F |
|---|---|---|---|---|---|---|---|---|---|---|
| |  |  |  |  |  |  |  |  |  |  |
| 32 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 40 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 50 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 63 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 80 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 100 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 125 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |

More are available in accessories. Cover kits and service kits are available