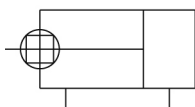


## C(D)76K, Air Cylinder, Non-rotating, Double Acting, Single Rod CD76KE32-100-B

Datasheet

### General series information

- Double acting, single rod, non-rotating
- Bore sizes (mm): 32, 40
- Strokes up to 300mm (standard)
- Auto switch capable
- Rod boots available



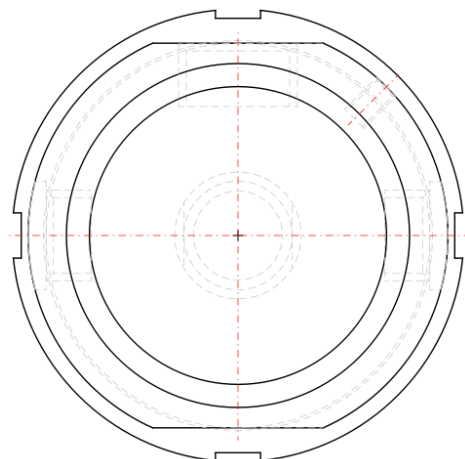
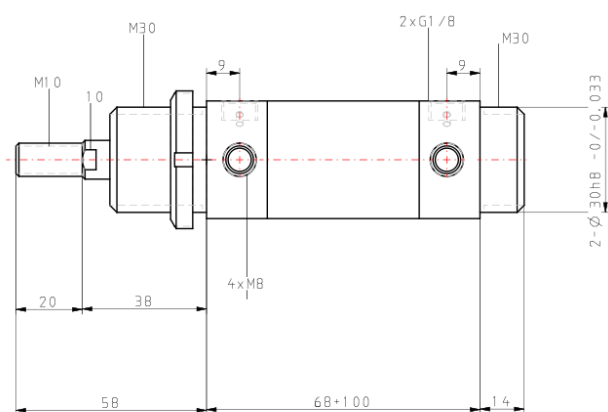
Double-acting cylinder, non-rotating single  
piston rod

### Standard specifications

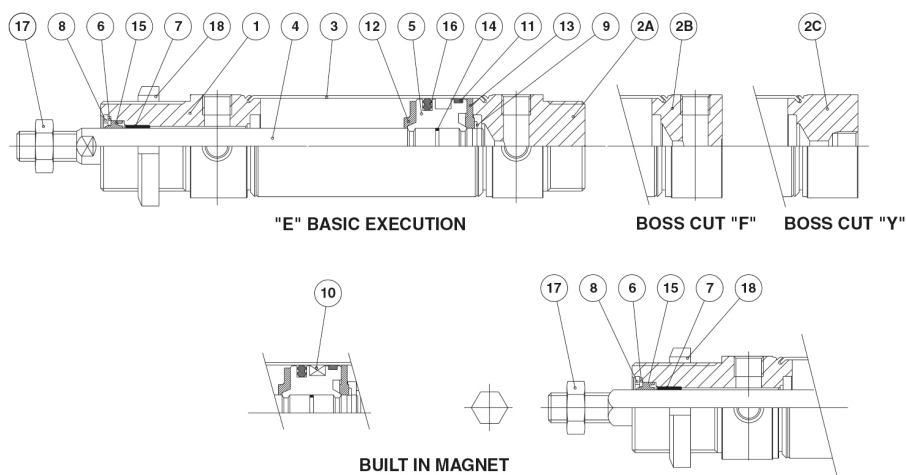
|                                 |                                           |
|---------------------------------|-------------------------------------------|
| Magnet                          | D (Built-in)                              |
| Mounting                        | E (Double End)                            |
| Bore Size                       | 32mm                                      |
| Stroke                          | 100                                       |
| Rod Boot                        | Standard                                  |
| Switch Mounting                 | B (Band)                                  |
| Auto Switch                     | No Switch                                 |
| Lead Wire or Prewired Connector | 0.5m (Or None in the Case of No Switch)   |
| Number                          | 2 pcs. (Or None in the Case of No Switch) |
| Rod End Options                 | None                                      |
| Made of Stainless Steel         | Standard                                  |
| Long Stroke                     | Standard                                  |
| Maximum operating pressure      | 1.0 Mpa                                   |
| Minimum operating pressure      | 0.05 Mpa                                  |
| Proof pressure                  | 1.5 Mpa                                   |
| Pneumatic input connection      | G 1/8                                     |
| Pneumatic output connection     | G 1/8                                     |
| Pneumatic exhaust connection    | G 1/8                                     |

|                                                         |                       |
|---------------------------------------------------------|-----------------------|
| Mode of operation of drive single                       | Double acting         |
| Theoretical cylinder force, advance stroke (at 0.5 MPa) | 401.9 N               |
| Theoretical cylinder force, return stroke (at 0.5 MPa)  | 345 N                 |
| Maximum piston speed                                    | 1500 mm/s             |
| Type of cushioning                                      | Rubber bumper         |
| Piston rod end                                          | Male Thread           |
| Male thread of rod end                                  | M10 x 1.5             |
| Minimum piston speed                                    | 50 mm/s               |
| Non-rotating accuracy of plate                          | $\pm 0.5^\circ$       |
| Lubrication                                             | None (Non lubricated) |
| Number of pneumatic connections                         | 2                     |
| Fluid                                                   | Air                   |
| Ambient and fluid temperature                           | -10 - 60°C            |
| Weight                                                  | 0.514 Kg              |

## Dimensions



Constructions



Parts List

| Item | Part name      | Material        | Quantity | Remarks            |
|------|----------------|-----------------|----------|--------------------|
| 1    | Rod cover      | Aluminum alloy  | 1        | White alumite      |
| 2A   | Head cover E   | Aluminum alloy  | 1        | White alumite      |
| 2B   | Head cover F   | Aluminum alloy  | 1        | White alumite      |
| 2C   | Head cover Y   | Aluminum alloy  | 1        | White alumite      |
| 3    | Cylinder tube  | Stainless steel | 1        |                    |
| 4    | Piston rod     | Carbon steel    | 1        | Hard chrome plated |
| 5    | Piston         | Aluminum alloy  | 1        | Chromate           |
| 6    | Plain washer   | Carbon steel    | 1        | Nickel plating     |
| 7    | Bush           | Sintered bronze | 1        |                    |
| 8    | Retaining ring | Carbon steel    | 1        | Nickel plating     |

| Item | Part name      | Material       | Quantity | Remarks            |
|------|----------------|----------------|----------|--------------------|
| 9    | Retaining ring | Carbon steel   | 1        | Nickel plating     |
| 10   | Magnet         | Magnet         | 1        | (Switch type only) |
| 11   | Wear ring      | Phenolic resin | 1        |                    |
| 12   | Bumper A       | Urethane       | 1        |                    |
| 13   | Bumper B       | Urethane       | 1        |                    |
| 14   | Piston gasket  | NBR            | 1        |                    |
| 15   | Rod seal       | NBR            | 1        |                    |
| 16   | Piston seal    | NBR            | 1        |                    |
| 17   | Rod end nut    | Carbon steel   | 1        | Nickel plating     |
| 18   | Mounting nut   | Carbon steel   | 1        | Nickel plating     |

## Additional information

Catalogue

[C76\\_EU.pdf](#)