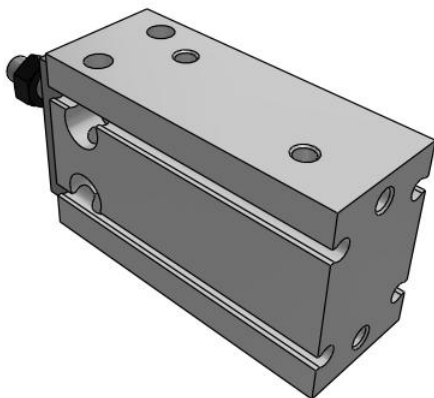




## C(D)UK, Free Mount Cylinder, Non-rotating, Double Acting CDUK20-20D

Datasheet

### General series information

- Bore sizes from 6mm to 32mm available
- Stroke lengths up to 50mm
- Non-rotating Rod
- Double acting
- Auto-switch capable

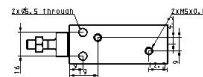
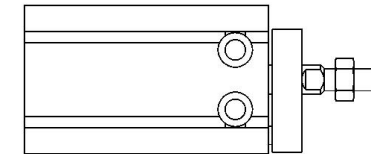
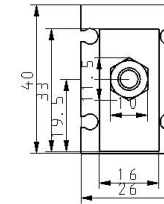
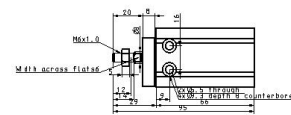
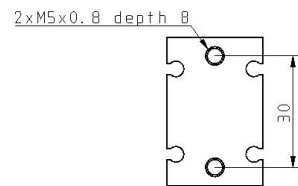
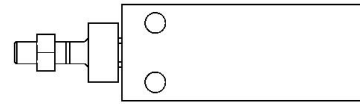


Double-acting cylinder, non-rotating single piston rod

### Standard specifications

|                                 |                                           |
|---------------------------------|-------------------------------------------|
| Magnet                          | D (Built-in Magnet)                       |
| Bore Size                       | 20 mm                                     |
| Port Thread                     | Bore 6~25:M5, Bore 32: Rc 1/8             |
| Stroke                          | 20 mm                                     |
| 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) |
| Maximum operating pressure      | 0.7 MPa                                   |
| Minimum operating pressure      | 0.08 MPa                                  |
| Proof pressure                  | 1.05 MPa                                  |
| Type of cushioning              | Rubber Bumper                             |
| Piston rod end                  | Male Thread                               |
| Lubrication                     | Non-lube                                  |
| Fluid                           | Air                                       |
| Rod non-rotating accuracy       | ±0.5                                      |
| Ambient and fluid temperature   | -10 - 60 °C                               |
| Stroke length tolerance         | 0+1.0 mm                                  |
| Thread Tolerance                | JIS Class2                                |

|              |               |
|--------------|---------------|
| Piston speed | 50 - 500 mm/s |
| Weight       | 0.148 Kg      |



## Constructions

### ø16 to ø32 With auto switch



#### Component Parts

| No. | Description   | Material                       | Note                                 |
|-----|---------------|--------------------------------|--------------------------------------|
| 1   | Cylinder tube | Aluminum alloy                 | Hard anodized                        |
| 2   | Head cover    | Brass                          | ø6 to ø10, Electroless nickel plated |
|     |               | Aluminum alloy                 | ø16 to ø32, Clear chromated          |
| 3   | Piston        | Brass                          | ø6 to ø10,                           |
|     |               | Aluminum alloy                 | ø16 to ø32, Chromated                |
| 4   | Piston rod    | Stainless steel                |                                      |
| 5   | Bumper A      | Urethane                       |                                      |
| 6   | Bumper B      | Urethane                       |                                      |
| 7   | Snap ring     | Carbon tool steel              | Phosphate coated                     |
| 8   | Rod end nut   | Carbon steel                   | Nickel plated                        |
| 9   | Bushing       | Oil-impregnated sintered alloy |                                      |
| 10  | Magnet holder | Brass                          | ø6                                   |

#### Component Parts

| No. | Description                   | Material                       | Note                 |
|-----|-------------------------------|--------------------------------|----------------------|
| 11  | Magnet                        | Magnetic material              |                      |
| 12  | Auto switch                   | —                              |                      |
| 13  | Non-rotating plate            | Aluminum alloy                 | Nickel plated        |
| 14  | Guide rod                     | Stainless steel                |                      |
| 15  | Bushing                       | Oil-impregnated sintered alloy |                      |
| 16  | Hexagon socket head cap screw | Carbon steel                   | Black zinc chromated |
| 17  | Hexagon socket head set screw | Carbon steel                   | Black zinc chromated |
| 18  | Piston gasket                 | NBR                            |                      |
| 19* | Piston seal                   |                                |                      |
| 20* | Rod seal                      |                                |                      |
| 21* | Gasket                        |                                |                      |

## Additional information

Catalogue

[CU\\_B\\_EU.pdf](#)

Operation manuals

[OM\\_CU\\_OM0002EN-A.pdf](#)