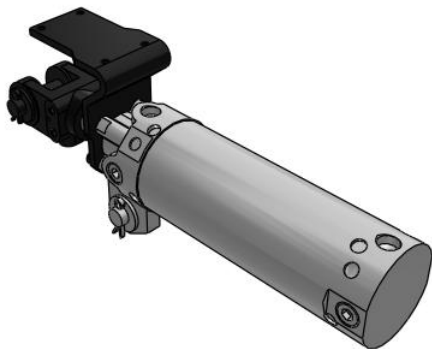


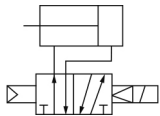


# CKG1-Z/CKP1-Z, Clamp Cylinder w/Magnetic Field Resistant Auto Switch (Rod Mounting Style) CKG1B50-100YABZ

Datasheet

## General series information

- Clevis width: 16.5mm, 19.5mm
- Easy speed adjustment
- Piping ports are located on three surfaces
- Air cushion: unclamped, head on

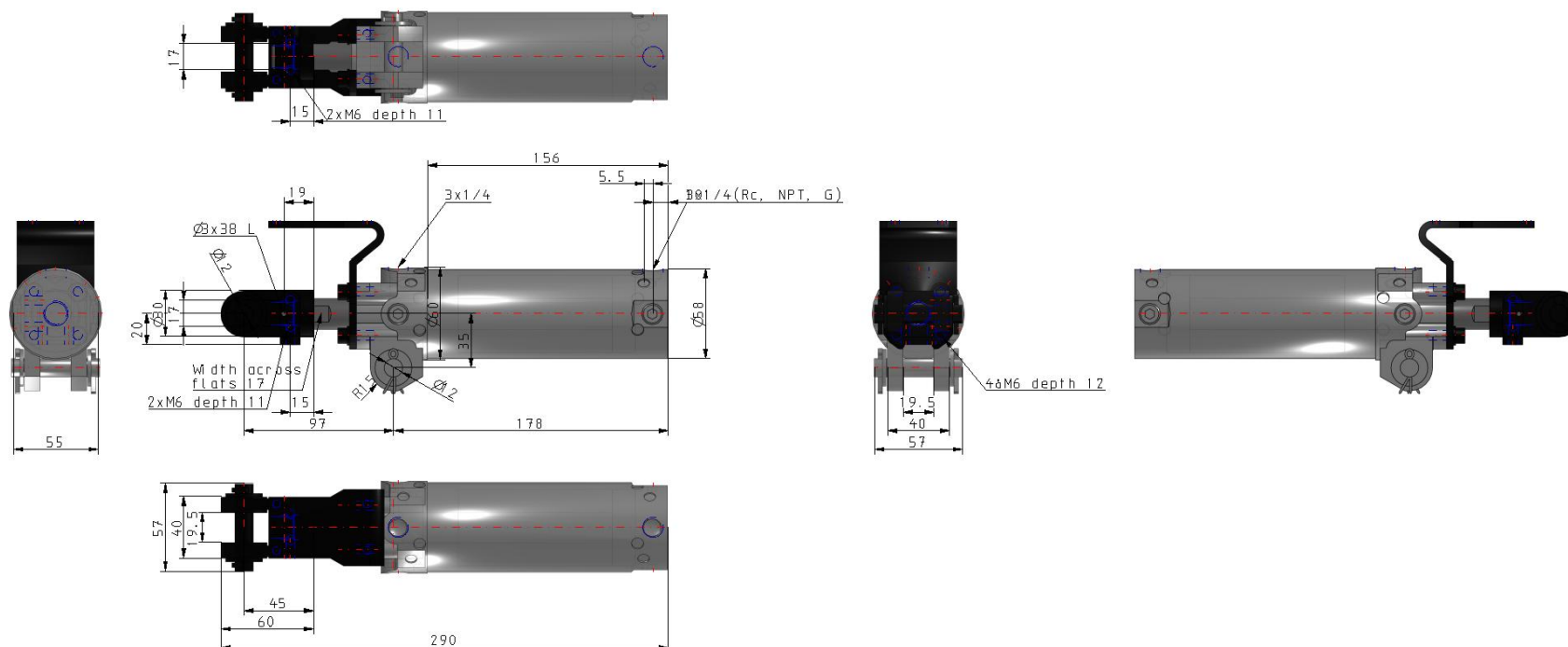


Clamp, w/Magnetic Field Resistant Auto  
Switch (Rod Mounting Style) Cylinder

## Standard specifications

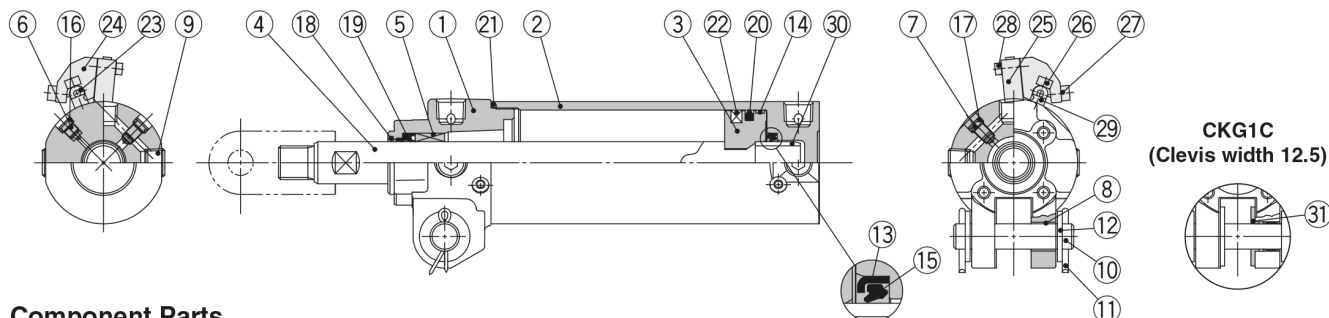
|                                 |                                                                      |
|---------------------------------|----------------------------------------------------------------------|
| Magnet                          | G1 (Built-in Standard Magnet w/Magnetic Field Resistant Auto Switch) |
| Clevis                          | B (19.5mm)                                                           |
| Bore Size                       | 50mm                                                                 |
| Thread                          | Rc1/4                                                                |
| Stroke                          | 100mm                                                                |
| End Bracket                     | YA (Double Knuckle Joint, M6 w/Tap)                                  |
| Option                          | B (Limit Switch Mounting Base)                                       |
| Auto Switch                     | w/o Auto Switch(Built-in Magnet); w/o Switch Mounting Rod            |
| 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)                            |
| Air Cushion                     | None                                                                 |
| Maximum operating pressure      | 1.0 MPa                                                              |
| Minimum operating pressure      | 0.05 MPa                                                             |
| Proof pressure                  | 1.5 MPa                                                              |
| Maximum piston speed            | 500 mm/s                                                             |
| Type of cushioning              | Unclamped side (head end): With air cushion                          |
| Minimum piston speed            | 50 mm/s                                                              |
| Lubrication                     | Non-lube                                                             |

|                               |                       |
|-------------------------------|-----------------------|
| Fluid                         | Air                   |
| Ambient and fluid temperature | -10°C - 60°C          |
| Stroke length tolerance       | +1.0<br>0             |
| Mounting                      | Double clevis         |
| Speed controller              | Equipped on both ends |
| Weight                        | 1.910 Kg              |



## Constructions

### CKG1□40, 50, 63 Rod mounting style



#### Component Parts

| No. | Description                 | Material                       | Q'ty | Note                 |
|-----|-----------------------------|--------------------------------|------|----------------------|
| 1   | Rod cover                   | Aluminum alloy                 | 1    | Chromated            |
| 2   | Tube cover                  | Aluminum alloy                 | 1    | Hard anodized        |
| 3   | Piston                      | Aluminum alloy                 | 1    | Chromated            |
| 4   | Piston rod                  | Carbon steel                   | 1    | Hard chrome plating  |
| 5   | Bushing                     | Bearing alloy                  | 1    |                      |
| 6   | Cushion valve               | Steel wire                     | 1    | Black zinc chromated |
| 7   | Speed controller valve      | Steel wire                     | 2    | Nickel plating       |
| 8   | Clevis bushing              | Oil-impregnated sintered alloy | 2    |                      |
| 9   | Hexagon socket head plug    | Carbon steel                   | 4    | Rc1/4                |
| 10  | Pin                         | Carbon steel                   | 1    |                      |
| 11  | Cotter pin                  | Low carbon steel wire rod      | 2    |                      |
| 12  | Flat washer                 | Rolled steel                   | 2    |                      |
| 13  | Cushion seal retainer       | Rolled steel                   | 1    | Zinc chromated       |
| 14  | Wear ring                   | Resin                          | 1    |                      |
| 15  | Cushion seal                | Urethane                       | 1    |                      |
| 16  | Cushion valve seal          | NBR                            | 1    |                      |
| 17  | Speed controller valve seal | NBR                            | 2    |                      |

| No. | Description                          | Material        | Q'ty              | Note            |
|-----|--------------------------------------|-----------------|-------------------|-----------------|
| 18  | Coil scraper                         | Phosphor bronze | 1                 |                 |
| 19  | Rod seal                             | NBR             | 1                 |                 |
| 20  | Piston seal                          | NBR             | 1                 |                 |
| 21  | Tube gasket                          | NBR             | 1                 |                 |
| 22  | Magnet                               | —               | 1                 |                 |
| 23  | Switch mounting rod                  | Carbon steel    | 1                 | Zinc chromated  |
| 24  | Auto switch mounting bracket         | Aluminum alloy  | —                 |                 |
| 25  | Magnetic field resistant auto switch | —               | —                 |                 |
| 26  | Hexagon socket head cap screw        | Steel wire      | 2                 | M4 x 0.7 x 14 L |
| 27  | Hexagon socket head cap screw        | Steel wire      | 2 pcs. per switch | M4 x 0.7 x 8 L  |
| 28  | Hexagon socket head cap screw        | Steel wire      | 2 pcs. per switch | M3 x 0.5 x 14 L |
| 29  | Switch mounting spacer               | Aluminum alloy  | 2                 |                 |
| 30  | Cushion ring                         | Aluminum alloy  | 1                 | Anodized        |
| 31  | Spacer                               | Bearing alloy   | 2                 | CKG1C only      |

## Additional information

|                   |                                       |
|-------------------|---------------------------------------|
| Catalogue         | <a href="#">CK1-Z-Bb_EU.pdf</a>       |
| Operation manuals | <a href="#">OM_CK1-Z_0066EN-P.pdf</a> |