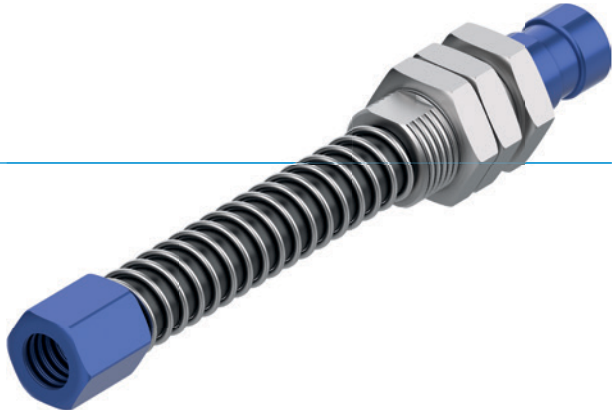


# LEVEL COMPENSATOR

## SERIES ZLC

### ► PRODUCT ADVANTAGES



- Flexible use for all requirements
- Variants with internal or external spring available
- Available with rotation lock
- Certifications: LABS / REACH / RoHS

### ► PRODUCT KEY

| ZLC    | M10F          | 30          | TI                                    | 3N      |
|--------|---------------|-------------|---------------------------------------|---------|
| Series | Fixing thread | Stroke [mm] | Vacuum connection and spring position | Version |

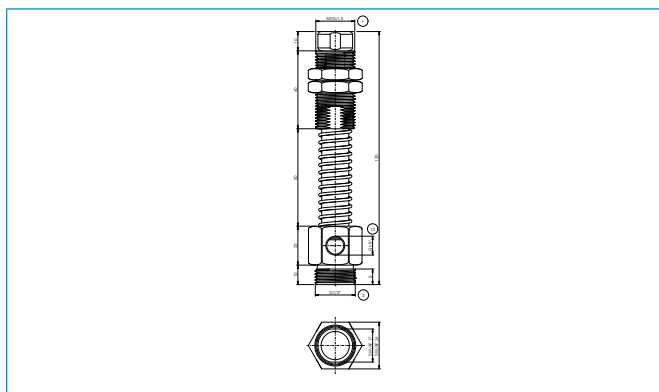
### ► TECHNICAL DATA

| Order no.         | ► Technical data |                |                   |             |               |                 |                            |                    |                      |             |
|-------------------|------------------|----------------|-------------------|-------------|---------------|-----------------|----------------------------|--------------------|----------------------|-------------|
|                   | Connection type  | Fixing thread  | Vacuum connection | Stroke [mm] | Fixing thread | Spring position | Vacuum connection position | Number of hex nuts | Nut wrench size [mm] | Weight [kg] |
| ZLC-12M-30-SE     | Thread           | G1/2" external | G1/8" internal    | 30          | M20X1.5       | External        | Lateral                    | 2                  | 24                   | 0.29        |
| ZLC-12M-30-TI     | Thread           | G1/2" external | G1/4" internal    | 30          | M22X1.5       | Internal        | above                      | 2                  | 30                   | 0.13        |
| ZLC-12M-50-SE     | Thread           | G1/2" external | G1/8" internal    | 50          | M20X1.5       | External        | Lateral                    | 2                  | 24                   | 0.16        |
| ZLC-12M-50-TI     | Thread           | G1/2" external | G1/8" internal    | 50          | M18X1         | Internal        | above                      | 2                  | 22                   | 0.12        |
| ZLC-12M-50-TI-E   | Thread           | G1/2" external | G1/4" internal    | 50          | M22X1.5       | Internal        | above                      | 2                  | 30                   | 0.3         |
| ZLC-14M-15-TI     | Thread           | G1/4" external | G1/8" internal    | 15          | M18X1         | Internal        | above                      | 2                  | 22                   | 0.066       |
| ZLC-14M-20-TI     | Thread           | G1/4" external | G1/8" internal    | 20          | M16X1         | Internal        | above                      | 2                  | 20                   | 0.045       |
| ZLC-14M-30-TI-3N  | Thread           | G1/4" external | G1/8" internal    | 30          | M18X1         | Internal        | above                      | 3                  | 22                   | 0.1         |
| ZLC-18F-05-SI     | Thread           | G1/8" internal | M5 inside         | 5           | M10X1         | Internal        | Lateral                    | 2                  | 12                   | 0.024       |
| ZLC-18F-10-TI-E   | Thread           | G1/8" internal | G1/8" internal    | 10          | M16X1         | Internal        | above                      | 2                  | 20                   | 0.073       |
| ZLC-18M-05-SI     | Thread           | G1/8" external | M5 inside         | 5           | M10X1         | Internal        | Lateral                    | 2                  | 12                   | 0.028       |
| ZLC-18M-10-TI     | Thread           | G1/8" external | G1/8" internal    | 10          | M14X1.5       | Internal        | above                      | 2                  | 19                   | 0.044       |
| ZLC-18M-15-SI     | Thread           | G1/8" external | M5 inside         | 15          | M14X1         | Internal        | Lateral                    | 2                  | 19                   | 0.086       |
| ZLC-18M-15-TI     | Thread           | G1/8" external | G1/8" internal    | 15          | M14X1         | Internal        | above                      | 2                  | 19                   | 0.036       |
| ZLC-18M-18-TI     | Thread           | G1/8" external | G1/8" internal    | 18          | M14X1.5       | Internal        | above                      | 2                  | 20                   | 0.02        |
| ZLC-18M-20-TI-3N  | Thread           | G1/8" external | G1/8" internal    | 20          | M18X1         | Internal        | above                      | 3                  | 22                   | 0.083       |
| ZLC-18M-20-TI-NR  | Thread           | G1/8" external | G1/8" internal    | 20          | M16X1         | Internal        | above                      | 2                  | 20                   | 0.054       |
| ZLC-18M-30-SE     | Thread           | G1/8" external | M5 inside         | 30          | M14X1.5       | External        | Lateral                    | 2                  | 19                   | 0.054       |
| ZLC-18M-30-TI     | Thread           | G1/8" external | G1/8" internal    | 30          | G1/8"         | Internal        | above                      | 2                  | 20                   | 0.06        |
| ZLC-18M-30-TI-3N  | Thread           | G1/8" external | G1/8" internal    | 30          | M18X1         | Internal        | above                      | 3                  | 22                   | 0.13        |
| ZLC-18M-45-TE     | Thread           | G1/8" external | G1/8" internal    | 45          | M16X1         | External        | above                      | 2                  | 20                   | 0.066       |
| ZLC-18M-50-SE     | Thread           | G1/8" external | M5 inside         | 50          | M14X1.5       | External        | Lateral                    | 2                  | 19                   | 0.11        |
| ZLC-18M-50-TE-3N  | Thread           | G1/8" external | G1/8" internal    | 50          | M18X1         | External        | above                      | 3                  | 22                   | 0.09        |
| ZLC-18M-50-TI-NR  | Thread           | G1/8" external | G1/8" internal    | 50          | M18X1         | Internal        | above                      | 2                  | 22                   | 0.14        |
| ZLC-18M-70-TE-3N  | Thread           | G1/8" external | G1/8" internal    | 70          | M18X1         | External        | above                      | 3                  | 22                   | 0.13        |
| ZLC-M10F-10-TI    | Thread           | M10 internal   | G1/8" internal    | 10          | M16X1         | Internal        | above                      | 2                  | 14                   | 0.043       |
| ZLC-M10F-20-TI-3N | Thread           | M10 internal   | G1/8" internal    | 20          | M18X1         | Internal        | above                      | 3                  | 22                   | 0.083       |

|                   | ► Technical data |               |                   |             |               |                 |                            |                    |                      |             |
|-------------------|------------------|---------------|-------------------|-------------|---------------|-----------------|----------------------------|--------------------|----------------------|-------------|
| Order no.         | Connection type  | Fixing thread | Vacuum connection | Stroke [mm] | Fixing thread | Spring position | Vacuum connection position | Number of hex nuts | Nut wrench size [mm] | Weight [kg] |
| ZLC-M10F-30-TI-3N | Thread           | M10 internal  | G1/8" internal    | 30          | M18X1         | Internal        | above                      | 3                  | 22                   | 0.12        |
| ZLC-M10F-50-TE-3N | Thread           | M10 internal  | G1/8" internal    | 50          | M18X1         | External        | above                      | 3                  | 22                   | 0.16        |
| ZLC-M5F-07-TI     | Thread           | M5 internal   | M5 inside         | 7           | G1/8"         | Internal        | above                      | 2                  | 14                   | 0.018       |
| ZLC-M5F-07-TI-NR  | Thread           | M5 internal   | M5 inside         | 7           | G1/8"         | Internal        | above                      | 2                  | 14                   | 0.018       |
| ZLC-M5F-08-SE     | Thread           | M5 internal   | M5 inside         | 8           | M10X1         | External        | Lateral                    | 2                  | 14                   | 0.015       |
| ZLC-M5F-10-TI     | Thread           | M5 internal   | M5 inside         | 10          | M10X1         | Internal        | above                      | 2                  | 14                   | 0.036       |
| ZLC-M5F-15-TI     | Thread           | M5 internal   | M5 inside         | 15          | M10X1         | Internal        | above                      | 2                  | 14                   | 0.02        |
| ZLC-M5F-20-TI     | Thread           | M5 internal   | M5 inside         | 20          | G1/8"         | Internal        | above                      | 2                  | 14                   | 0.02        |
| ZLC-M5M-10-TE     | Thread           | M5 external   | M5 inside         | 10          | M12X1         | External        | above                      | 2                  | 14                   | 0.03        |
| ZLC-M5M-20-TE     | Thread           | M5 external   | M5 inside         | 20          | M12X1         | External        | above                      | 2                  | 14                   | 0.033       |
| ZLC-NFA-06-TI     | Nipple           |               | M5 inside         | 6           | M8X0.8        | Internal        | above                      | 2                  | 12                   | 0.012       |
| ZLC-NFA-10-TI     | Nipple           |               | M5 inside         | 10          | M8X1          | Internal        | above                      | 2                  | 12                   | 0.02        |
| ZLC-NFA-25-TI-NR  | Nipple           |               | M5 inside         | 25          | M8X1          | Internal        | above                      | 2                  | 12                   | 0.021       |
| ZLC-NFB-05-SI-NR  | Nipple           |               | M3 internal       | 5           | M10X1         | Internal        | Lateral                    | 1                  | 14                   | 0.014       |
| ZLC-NFB-06-TI     | Nipple           |               | M5 inside         | 6           | M8X1          | Internal        | above                      | 2                  | 12                   | 0.011       |
| ZLC-NFB-10-TI     | Nipple           |               | M5 inside         | 10          | M8X1          | Internal        | above                      | 2                  | 12                   | 0.019       |
| ZLC-NFC-06-TI     | Nipple           |               | M5 inside         | 6           | M8X1          | Internal        | above                      | 2                  | 12                   | 0.012       |
| ZLC-NFC-10-TI     | Nipple           |               | M5 inside         | 10          | M8X1          | Internal        | above                      | 2                  | 12                   | 0.02        |

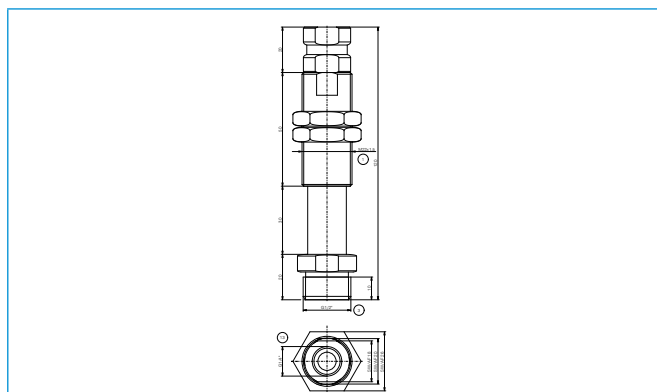
## ► TECHNICAL DRAWINGS

## ZLC-12M-30-SE



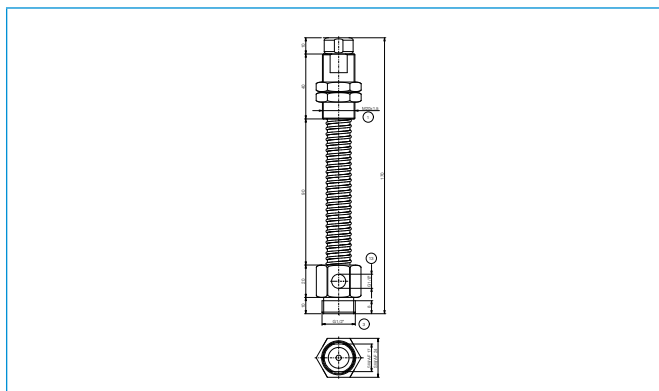
- (①) Fixing                      (⑬) Connection for suction cup lip
- (③) Vacuum connection

## ZLC-12M-30-TI



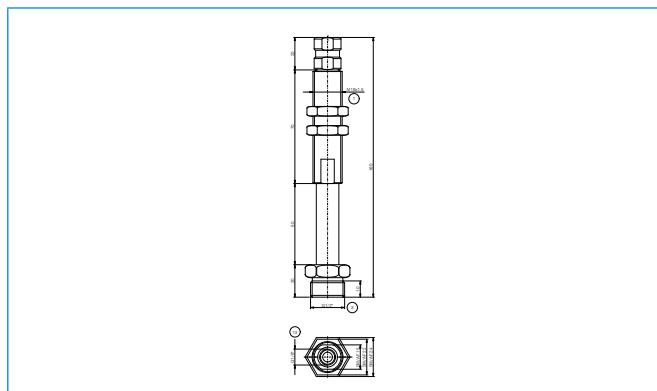
- ① Fixing                                              ⑬ Connection for suction cup lip
- ③ Vacuum connection

**ZLC-12M-50-SE**



- (1) Fixing                      (13) Connection for suction cup lip
- (3) Vacuum connection

**ZLC-12M-50-TI**

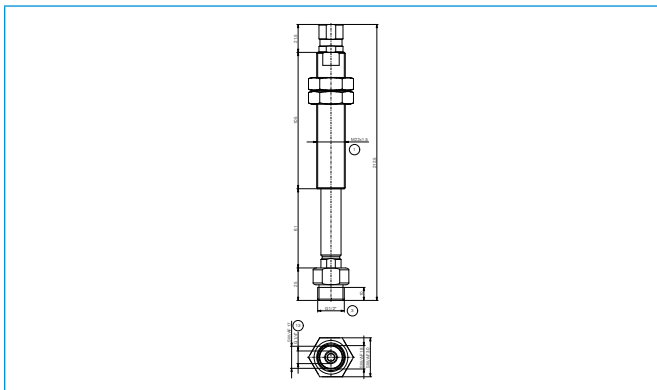


- ① Fixing                                                  ⑬ Connection for suction cup lip
- ③ Vacuum connection

# LEVEL COMPENSATOR

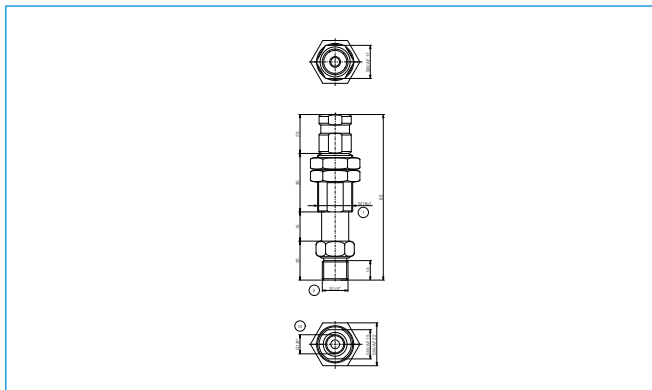
## SERIES ZLC

**ZLC-12M-50-TI-E**



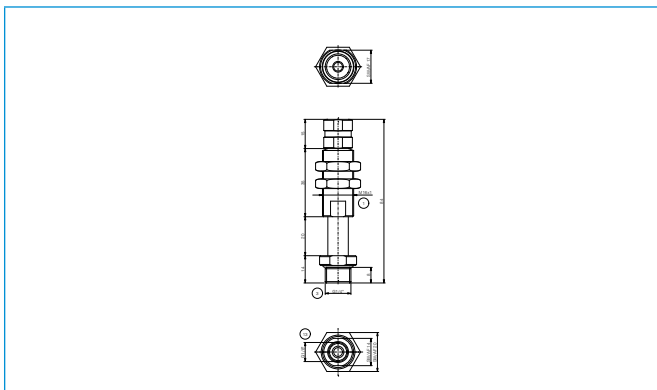
- ① Fixing
- ③ Vacuum connection
- ⑬ Connection for suction cup lip

**ZLC-14M-15-TI**



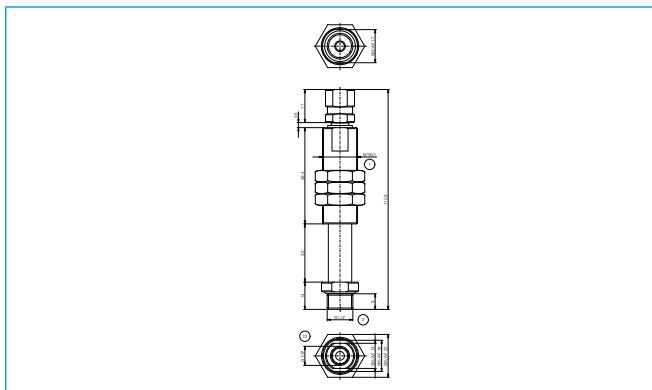
- ① Fixing
- ③ Vacuum connection
- ⑬ Connection for suction cup lip

**ZLC-14M-20-TI**



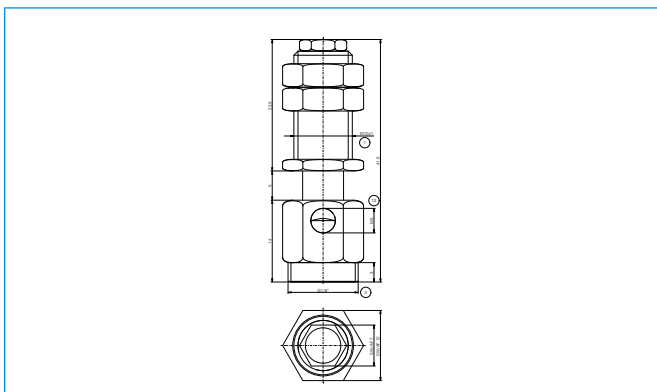
- ① Fixing
- ③ Vacuum connection
- ⑬ Connection for suction cup lip

**ZLC-14M-30-TI-3N**



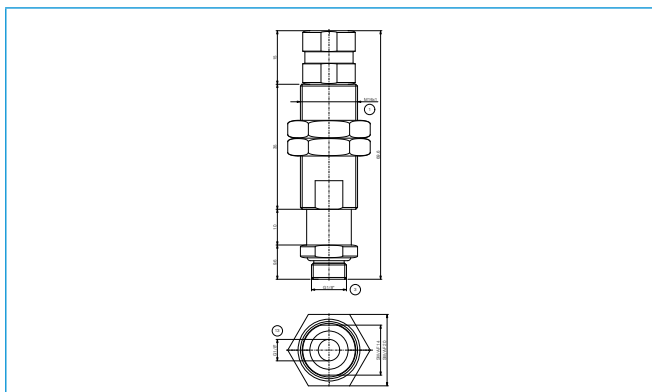
- ① Fixing
- ③ Vacuum connection
- ⑬ Connection for suction cup lip

**ZLC-18F-05-SI**



- ① Fixing
- ③ Vacuum connection
- ⑬ Connection for suction cup lip

**ZLC-18F-10-TI-E**



- ① Fixing
- ③ Vacuum connection
- ⑬ Connection for suction cup lip

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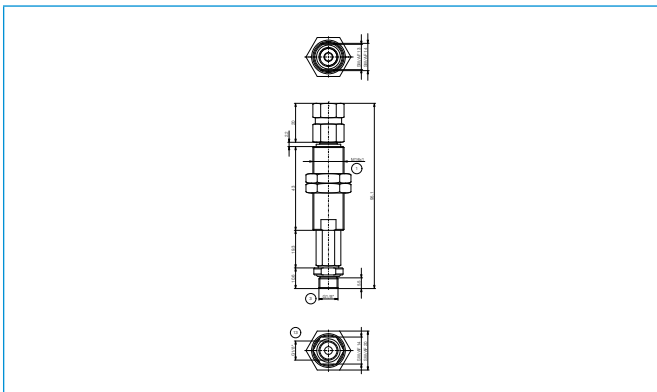
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# LEVEL COMPENSATOR

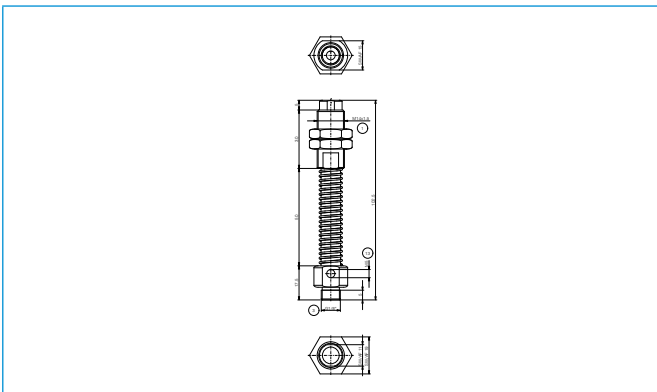
## SERIES ZLC

ZLC-18M-20-TI-NR



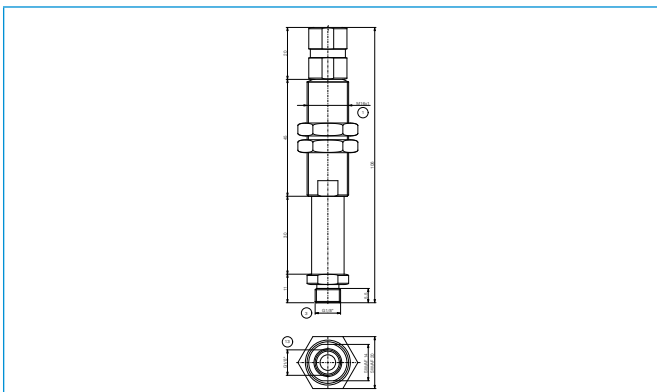
- ① Fixing                                          ⑬ Connection for suction cup lip
- ③ Vacuum connection

**ZLC-18M-30-SE**



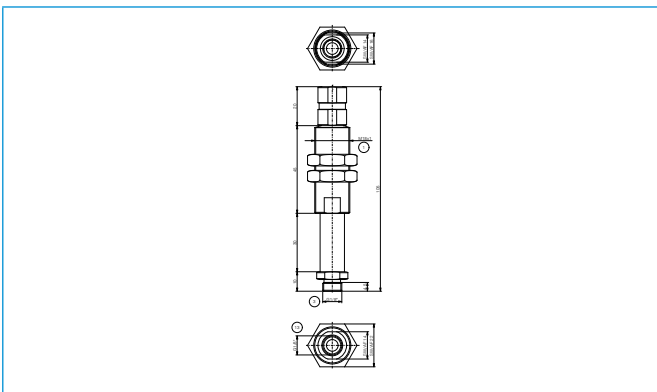
- ① Fixing  
③ Vacuum connection
- ⑬ Connection for suction cup lip

**ZLC-18M-30-TI**



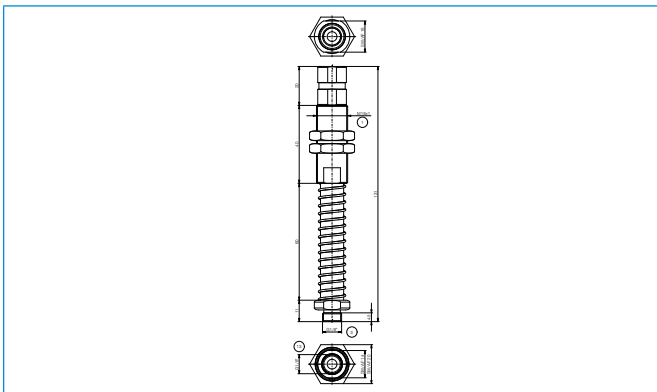
- ① Fixing                                          ⑬ Connection for suction cup lip
- ③ Vacuum connection

**ZLC-18M-30-TI-3N**



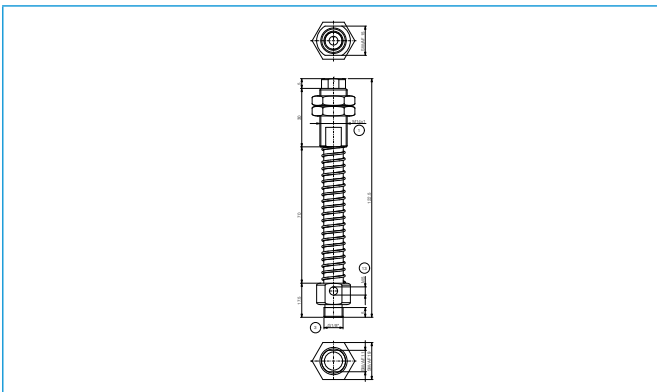
- ① Fixing  
③ Vacuum connection  
⑬ Connection for suction cup lip

**ZLC-18M-45-TE**



- (1) Fixing
- (3) Vacuum connection
- (13) Connection for suction cup lip

**ZLC-18M-50-SE**

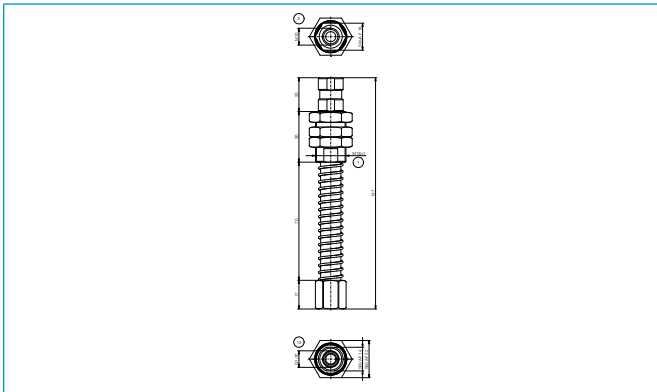


- ① Fixing                                      ⑬ Connection for suction cup lip
- ③ Vacuum connection



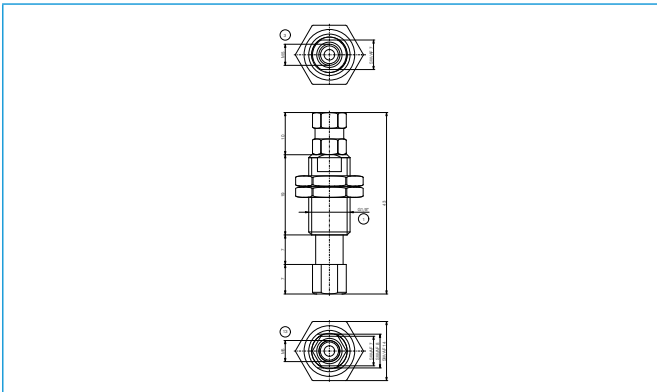
# LEVEL COMPENSATOR SERIES ZLC

**ZLC-M10F-50-TE-3N**



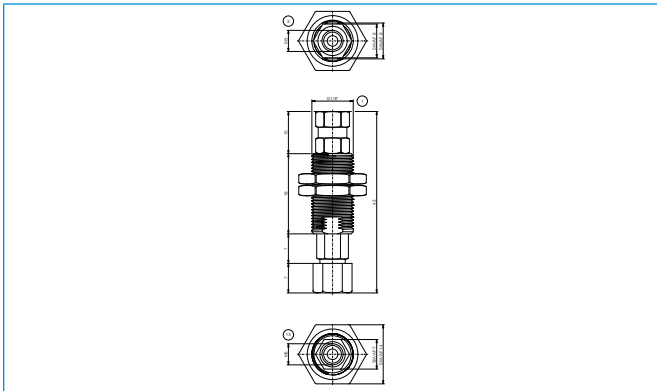
- ① Fixing  
③ Vacuum connection
- ⑬ Connection for suction cup lip

**ZLC-M5F-07-TI**



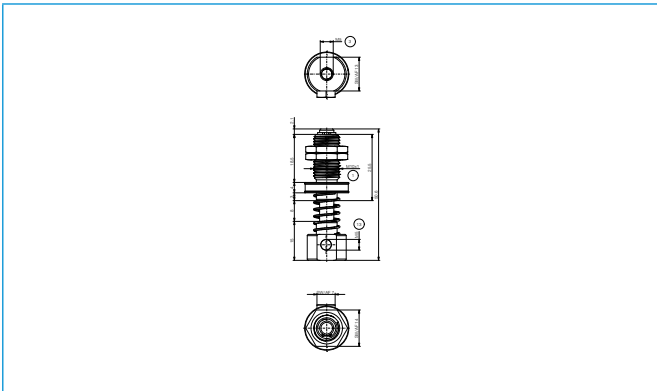
- ① Fixing  
③ Vacuum connection
- ⑬ Connection for suction cup lip

ZLC-M5F-07-TI-NR



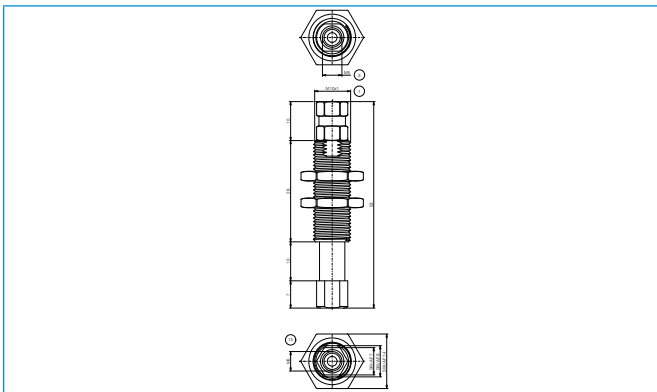
- ① Fixing
- ③ Vacuum connection
- ⑬ Connection for suction cup lip

**ZLC-M5F-08-SE**



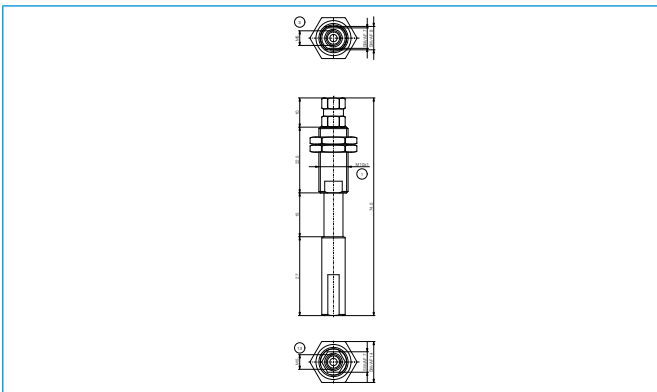
- ① Fixing  
③ Vacuum connection  
⑬ Connection for suction cup lip

**ZLC-M5F-10-TI**

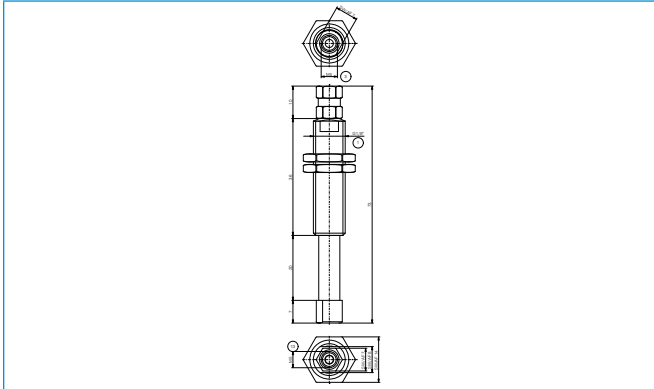


- (1) Fixing                      (13) Connection for suction cup lip
- (3) Vacuum connection

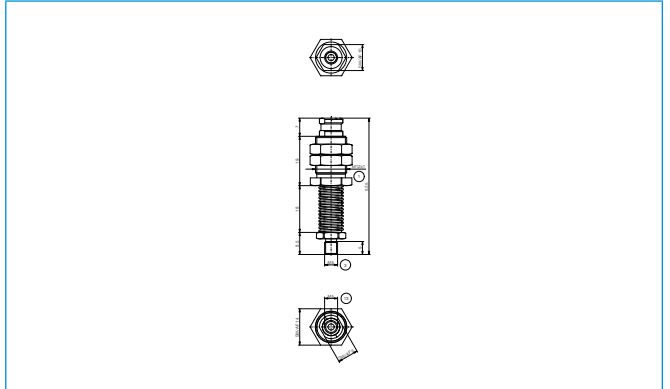
ZLC-M5F-15-TI



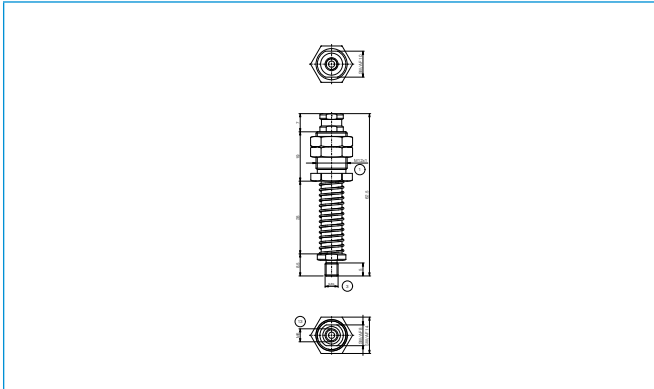
- ① Fixing                                  ⑬ Connection for suction cup lip
- ③ Vacuum connection

**ZLC-M5F-20-TI**

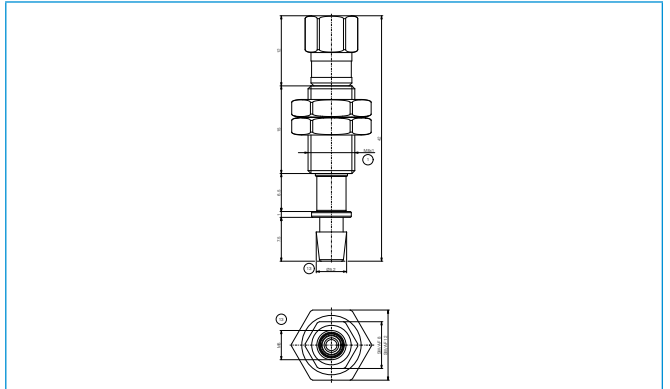
- ① Fixing  
③ Vacuum connection  
⑬ Connection for suction cup lip

**ZLC-M5M-10-TE**

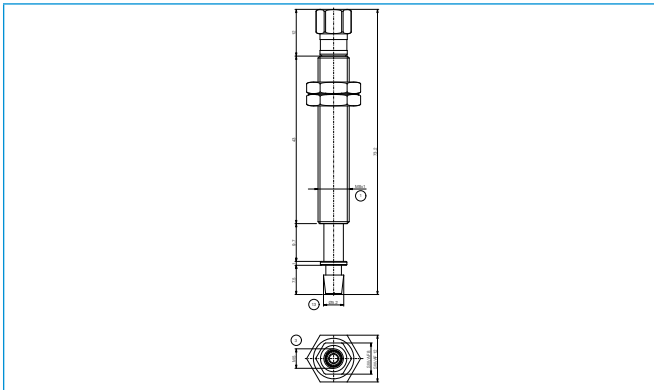
- ① Fixing  
③ Vacuum connection  
⑬ Connection for suction cup lip

**ZLC-M5M-20-TE**

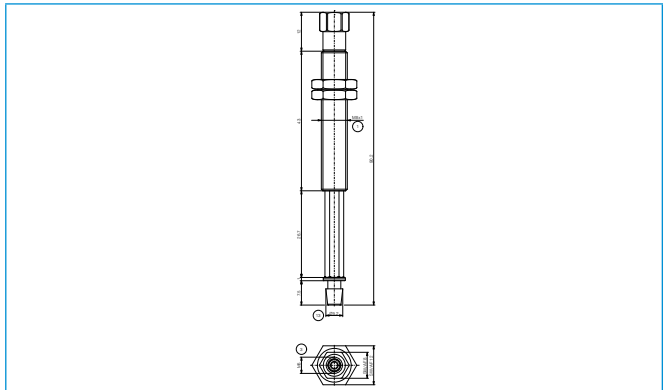
- ① Fixing  
③ Vacuum connection  
⑬ Connection for suction cup lip

**ZLC-NFA-06-TI**

- ① Fixing  
③ Vacuum connection  
⑬ Connection for suction cup lip

**ZLC-NFA-10-TI**

- ① Fixing  
③ Vacuum connection  
⑬ Connection for suction cup lip

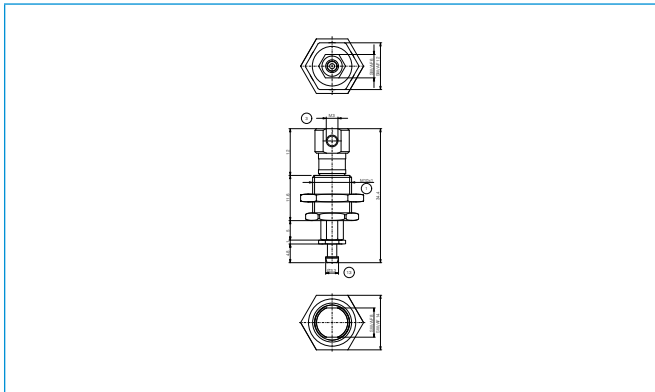
**ZLC-NFA-25-TI-NR**

- ① Fixing  
③ Vacuum connection  
⑬ Connection for suction cup lip

# LEVEL COMPENSATOR

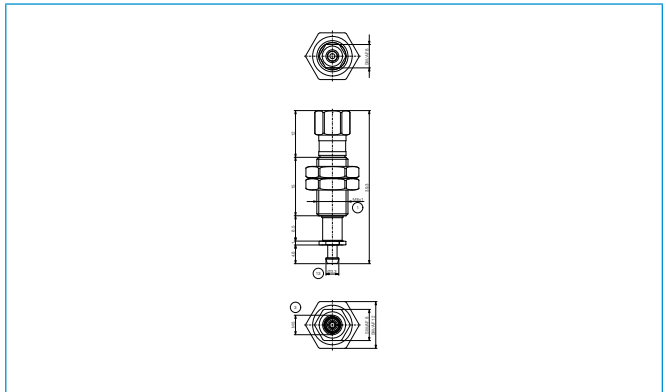
## SERIES ZLC

**ZLC-NFB-05-SI-NR**



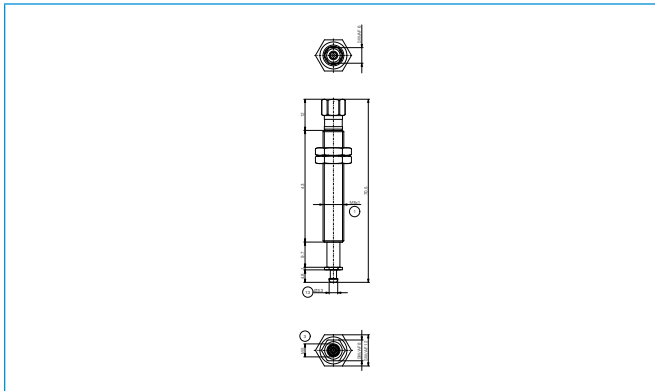
- ① Fixing
- ③ Vacuum connection
- ⑬ Connection for suction cup lip

**ZLC-NFB-06-TI**



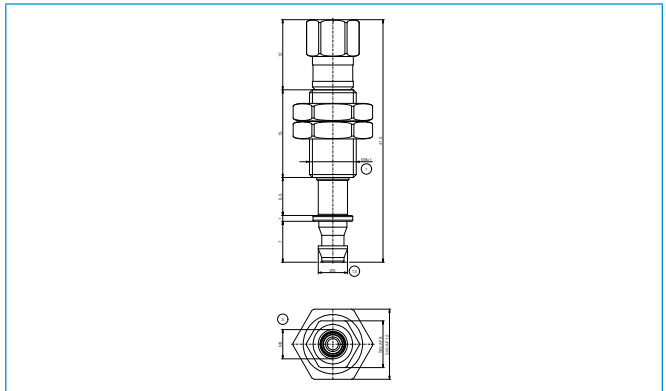
- ① Fixing
- ③ Vacuum connection
- ⑬ Connection for suction cup lip

**ZLC-NFB-10-TI**



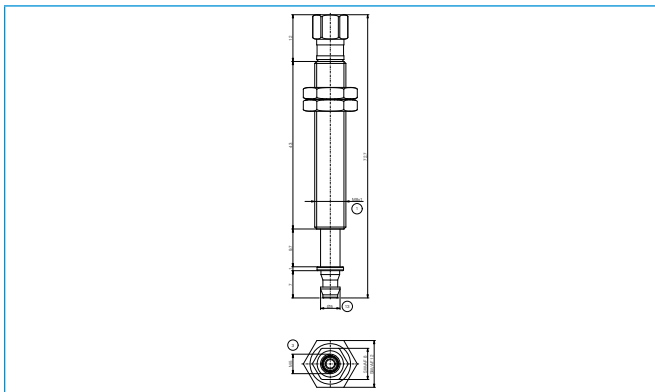
- ① Fixing
- ③ Vacuum connection
- ⑬ Connection for suction cup lip

**ZLC-NFC-06-TI**



- ① Fixing
- ③ Vacuum connection
- ⑬ Connection for suction cup lip

**ZLC-NFC-10-TI**



- ① Fixing
- ③ Vacuum connection
- ⑬ Connection for suction cup lip