

## Item description/product images

**Description****Material:**

Body, carriage and flange plate aluminium alloy.  
Guide rails steel

**Version:**

Body anodised natural colour.  
Carriage and flange plate anodised.  
Rail guides hardened.

**Note:**

Portal modules with ball rail guides. Pneumatic drive through a rodless cylinder. High load rating due to stiffened self-supporting aluminium profiles. The modules can be mounted in any position.  
Specified loads apply to dynamic loads.

Repeat accuracy  $\pm 0.02$  mm.

**Temperature range:**

+5 °C to +70 °C  
(+5 °C to +60 °C by size 65)

**On request:**

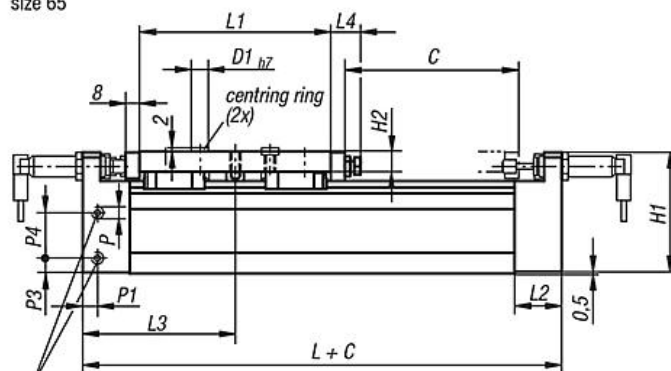
\* Other lengths (travel C max. 5000 mm) and intermediate positions.

**Accessory:**

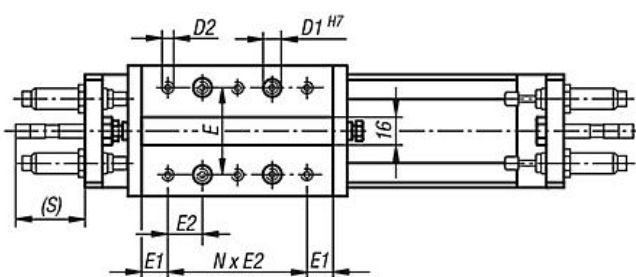
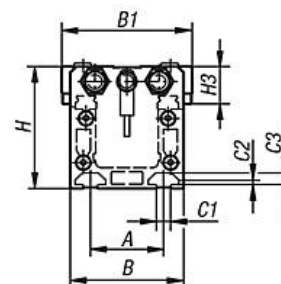
See table for shock absorbers, proximity switches and plug connectors.

## Drawings

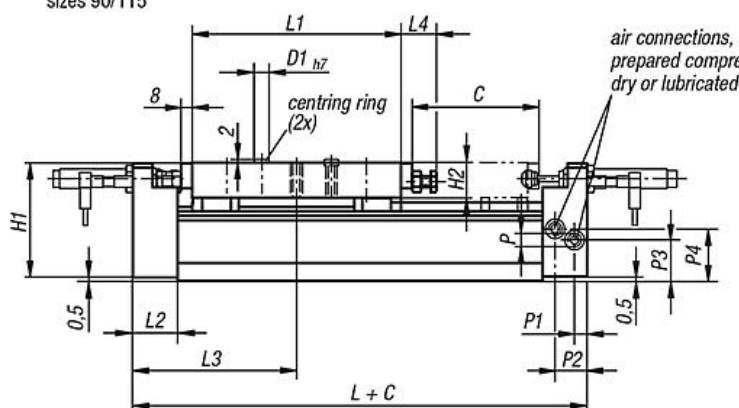
size 65



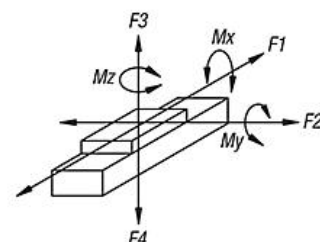
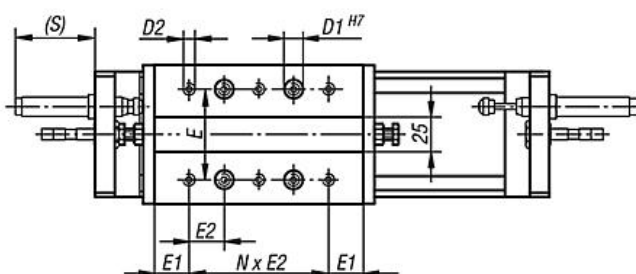
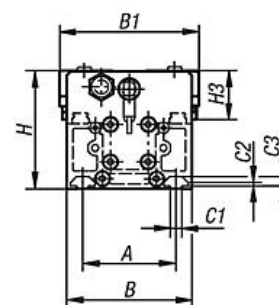
air connections,  
prepared compressed air 1 to 8 bar dry or lubricated



sizes 90/115



air connections,  
prepared compressed air 1 to 8 bar  
dry or lubricated



## Overview of items

| Order No.       | Size | A  | B   | B1  | C1  | C2  | C3  | C<br>(travel) | D1 | D2 | E  | E1 | E2 | H   | H1    | H2   | H3   | L   |
|-----------------|------|----|-----|-----|-----|-----|-----|---------------|----|----|----|----|----|-----|-------|------|------|-----|
| 20200-1065X0500 | 65   | 42 | 65  | 75  | 8,1 | 2,5 | 6,8 | 500*          | 10 | M5 | 50 | 15 | 20 | 70  | 69,5  | 11,5 | 21,5 | 175 |
| 20200-1090X0500 | 90   | 67 | 90  | 100 | 8,1 | 2,5 | 6,8 | 500*          | 10 | M6 | 65 | 25 | 25 | 85  | 84,5  | 25   | 35   | 235 |
| 20200-1115X0500 | 115  | 97 | 125 | 135 | 10  | 5   | 8,5 | 500*          | 13 | M8 | 90 | 20 | 30 | 115 | 114,5 | 25   | 44,8 | 305 |

| Order No.       | Size | L1  | L2 | L3    | L4   | N<br>(number) | P    | P1   | P2   | P3   | P4   | S    |
|-----------------|------|-----|----|-------|------|---------------|------|------|------|------|------|------|
| 20200-1065X0500 | 65   | 110 | 27 | 87,5  | 17   | 4             | M5   | 8,5  | -    | 8,5  | 25,8 | 40   |
| 20200-1090X0500 | 90   | 150 | 32 | 117,5 | 25,5 | 4             | G1/8 | 9    | 23   | 30   | 38   | 64,5 |
| 20200-1115X0500 | 115  | 220 | 32 | 152,5 | 25,5 | 6             | G1/4 | 15,5 | 19,5 | 40,5 | 60,5 | 62,5 |

| Order No.       | Size | Piston<br>force at<br>6 bar (N) | Cylinder<br>Ø | Air consumption per<br>10 mm travel<br>at 6 bar (ccm) | Mx<br>Nm | My<br>Nm | Mz<br>Nm | F1<br>N | F2<br>N | F3<br>N | F4<br>(N) |
|-----------------|------|---------------------------------|---------------|-------------------------------------------------------|----------|----------|----------|---------|---------|---------|-----------|
| 20200-1065X0500 | 65   | 150                             | 18            | 18                                                    | 155      | 260      | 260      | 460     | 610     | 610     | 610       |
| 20200-1090X0500 | 90   | 250                             | 25            | 35                                                    | 310      | 410      | 410      | 560     | 750     | 750     | 750       |
| 20200-1115X0500 | 115  | 640                             | 40            | 88                                                    | 1570     | 2270     | 2270     | 1550    | 2070    | 2070    | 2070      |