# MK Clamping Element

Pneumatic clamping element, designed to be used for holding a position when using linear rail guides. Energize to close (NO).



Compatible with Linear Rail HRC/ARC/ERC only.

Because of the height difference of different rail guide blocks and to ensure the proper function of the MK Clamping Elements, the use of adapter plates is sometimes needed. See document "Selection of Clamping Elements" for individual block types and whether an adapter plate is needed.

Dimensions in mm.

For other types contact Rollco.

**Temperature range (°C):** From -10 to 70°C

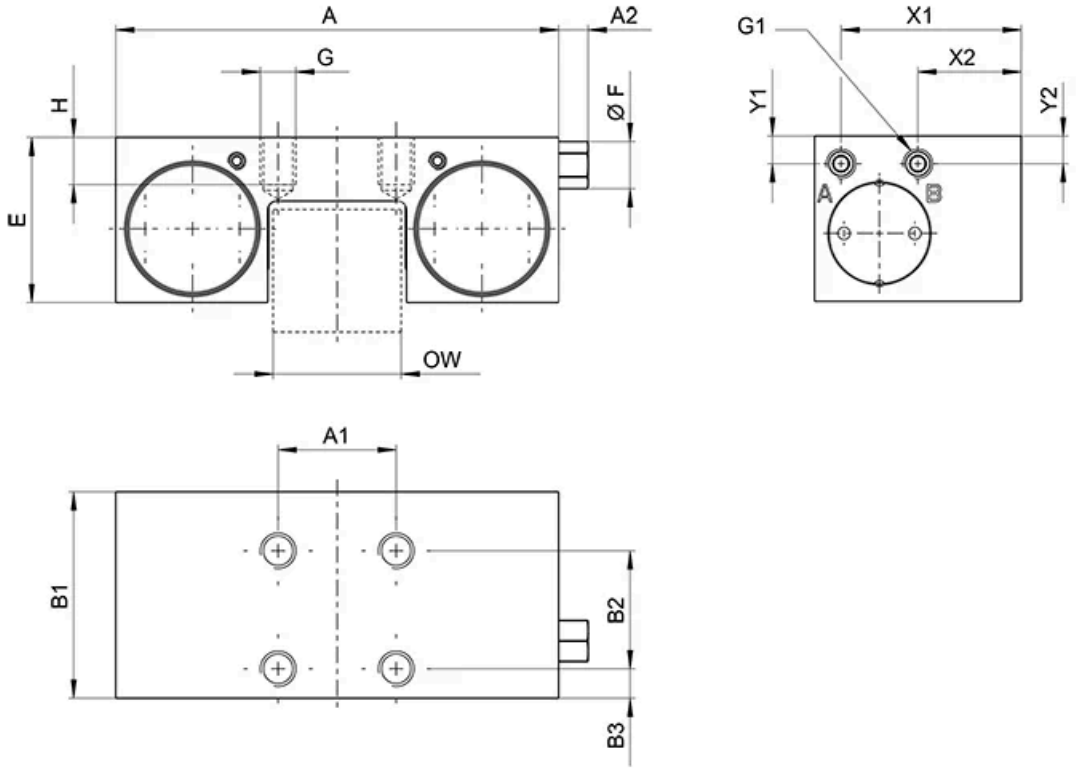

Every care has been taken to ensure the accuracy of the information in this document, but we take no liability for any errors or omissions. We reserve the right to make changes without prior notice.

# General Data

| Designation | Compatible with | Fixing force (N) | Min. operating pressure (bar) | Operating pressure (bar) | Max. Operating Pressure (bar) |
|---|---|---|---|---|---|
| **MK1514D** | HRC15, HRU15 | 650 | 2 | 6 | 6.5 |
| **MK2014D** | HRC20, HRU20 | 700 | 2 | 6 | 6.5 |
| **MK2514D** | HRC25, HRU25 | 1200 | 2 | 6 | 6.5 |
| **MK3005A** | HRC30, HRU30 | 1750 | 2 | 6 | 6.5 |
| **MK3514D** | HRC35, HRU35 | 2000 | 2 | 6 | 6.5 |
| **MK4514D** | HRC45, HRU45 | 2250 | 2 | 6 | 6.5 |

| Designation | Installation way | PLUS-connection | Weight (kg) |
|---|---|---|---|
| **MK1514D** | from the front | not possible | 0.24 |
| **MK2014D** | from above | not possible | 0.28 |
| **MK2514D** | from above | not possible | 0.34 |
| **MK3005A** | from above | not possible | 0.59 |
| **MK3514D** | from above | not possible | 0.70 |
| **MK4514D** | from above | not possible | 1.30 |

# Dimensions




| Designation | OW | A | E | A1 | A2 | B1 | B2 | B3 | G |
|---|---|---|---|---|---|---|---|---|---|
| **MK1514D** | 13 | 55 | 21.5 | 15 | 5 | 39 | 15 | 15.5 | M4 |
| **MK2014D** | 16.75 | 66 | 24.5 | 20 | 6 | 39 | 20 | 10 | M5 |
| **MK2514D** | 19.75 | 75 | 28 | 20 | 5 | 35 | 20 | 5 | M6 |
| **MK3005A** | 24.6 | 90 | 35 | 22 | 5 | 39 | 22 | 8.5 | M8 |


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| Designation | OW | A | E | A1 | A2 | B1 | B2 | B3 | G |
|---|---|---|---|---|---|---|---|---|---|
| **MK3514D** | 31.8 | 100 | 36.5 | 24 | 5 | 39 | 24 | 7.5 | M8 |
| **MK4514D** | 42 | 120 | 43.5 | 26 | 5 | 49 | 26 | 11.5 | M10 |

| Designation | H | F | G1 (air connection) | X1 (air filter horizontal / mm) | Y1 (air filter vertical / mm) | X2 (air connection horizontal / mm) | Y2 (air connection vertical / mm) |
|---|---|---|---|---|---|---|---|
| **MK1514D** | 4.5 | 8 | M5 | 34 | 17 | 34 | 6.1 |
| **MK2014D** | 4.2 | 8 | M5 | 35 | 21 | 34 | 5.2 |
| **MK2514D** | 8 | 8 | M5 | 30.5 | 4.7 | 17.5 | 4.7 |
| **MK3005A** | 7 | 8 | M5 | 24.5 | 5.2 | 14.5 | 5.2 |
| **MK3514D** | 10 | 8 | M5 | 20 | 5.2 | 9 | 5.2 |
| **MK4514D** | 15 | 8 | M5 | 29.5 | 11 | 19.5 | 11 |


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