

# **Compact cylinders - Series 31**

Product code: 31M2A020A130W

#### Datasheet creation date: 07/03/2025 20:18

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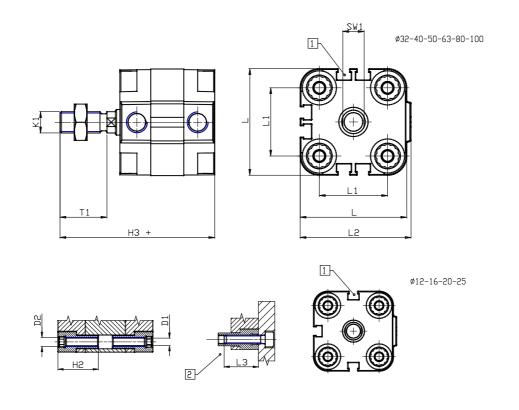
### TECHNICAL DATA

| Series             | 31                                                             |
|--------------------|----------------------------------------------------------------|
| Version            | M=male rod thread                                              |
| Operation          | 2=double-acting                                                |
| Diameter (mm)      | 20                                                             |
| Stroke type        | variable                                                       |
| Stroke (mm)        | 130                                                            |
| Rod seals material | W = seals in FKM for high temperatures (140°C),                |
| Materials          | A = rolled stainless steel AISI 303 rod tube profile aluminium |
| Construction       | A = standard                                                   |



# Compact cylinders - Series 31

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### DIMENSIONS

| Ø D (mm)     10       Ø D1 (mm)     4.5       D2     M5       D3     M5       Ø D4 (mm)     4       D5     M4       Ø D8 (mm)     6       D9 (mm)     10       E1     M5       F (mm)     8.0       F1 (mm)     30.0       H1 (mm)     42.5       H2 (mm)     18.5       K1     M10x1,25       L (mm)     37.5       L3 (mm)     18       L4 (mm)     12.0       T (mm)     10 | · · · · · · · · · · · · · · · · · · · |          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|----------|
| D2     M5       D3     M5       Ø D4 (mm)     4       D5     M4       Ø D8 (mm)     6       D9 (mm)     6       D10 (mm)     10       E1     M5       F (mm)     8.0       F1 (mm)     30.0       H1 (mm)     42.5       H2 (mm)     18.5       K1     M10x1,25       L (mm)     37.5       L3 (mm)     18       L4 (mm)     12.0       T (mm)     10                          | Ø D (mm)                              | 10       |
| D3   M5     Ø D4 (mm)   4     D5   M4     Ø D8 (mm)   6     D9 (mm)   6     D10 (mm)   10     E1   M5     F (mm)   8.0     F1 (mm)   30.0     H1 (mm)   42.5     H2 (mm)   18.5     K1   M10x1,25     L (mm)   37.5     L3 (mm)   18     L4 (mm)   12.0     T (mm)   10                                                                                                        | Ø D1 (mm)                             | 4.5      |
| Ø D4 (mm)   4     Ø D5   M4     Ø D8 (mm)   6     D9 (mm)   6     D10 (mm)   10     E1   M5     F (mm)   8.0     F1 (mm)   30.0     H (mm)   38.0     H1 (mm)   42.5     H2 (mm)   18.5     K1   M10x1,25     L (mm)   36     L1 (mm)   22     L2 (mm)   18     L3 (mm)   18     L4 (mm)   12.0     T (mm)   10                                                                | D2                                    | M5       |
| D5     M4       Ø D8 (mm)     6       D9 (mm)     6       D10 (mm)     10       E1     M5       F (mm)     8.0       F1 (mm)     30.0       H (mm)     38.0       H1 (mm)     42.5       H2 (mm)     18.5       K1     M10x1,25       L (mm)     37.5       L3 (mm)     18       L4 (mm)     12.0       T (mm)     10                                                          | D3                                    | M5       |
| Ø D8 (mm)   6     Ø D8 (mm)   6     D9 (mm)   6     D10 (mm)   10     E1   M5     F (mm)   8.0     F1 (mm)   30.0     H (mm)   38.0     H1 (mm)   42.5     H2 (mm)   18.5     K1   M10x1,25     L (mm)   36     L1 (mm)   22     L2 (mm)   37.5     L3 (mm)   18     L4 (mm)   12.0     T (mm)   10                                                                            | Ø D4 (mm)                             | 4        |
| D9 (mm)     6       D10 (mm)     10       E1     M5       F (mm)     8.0       F1 (mm)     30.0       H (mm)     38.0       H1 (mm)     42.5       H2 (mm)     18.5       K1     M10x1,25       L (mm)     22       L2 (mm)     37.5       L3 (mm)     18       L4 (mm)     12.0       T (mm)     10                                                                           | D5                                    | M4       |
| D10 (mm)   10     E1   M5     F (mm)   8.0     F1 (mm)   30.0     H (mm)   38.0     H1 (mm)   42.5     H2 (mm)   18.5     K1   M10x1,25     L (mm)   36     L1 (mm)   22     L2 (mm)   37.5     L3 (mm)   18     L4 (mm)   12.0     T (mm)   10                                                                                                                                | Ø D8 (mm)                             | 6        |
| E1   M5     F (mm)   8.0     F1 (mm)   30.0     H (mm)   38.0     H1 (mm)   42.5     H2 (mm)   18.5     K1   M10x1,25     L (mm)   36     L1 (mm)   22     L2 (mm)   37.5     L3 (mm)   18     L4 (mm)   12.0     T (mm)   10                                                                                                                                                  | D9 (mm)                               | 6        |
| F (mm)   8.0     F1 (mm)   30.0     H (mm)   38.0     H1 (mm)   42.5     H2 (mm)   18.5     K1   M10x1,25     L (mm)   36     L1 (mm)   22     L2 (mm)   37.5     L3 (mm)   18     L4 (mm)   12.0     T (mm)   10                                                                                                                                                              | D10 (mm)                              | 10       |
| F1 (mm)   30.0     H (mm)   38.0     H1 (mm)   42.5     H2 (mm)   18.5     K1   M10x1,25     L (mm)   36     L1 (mm)   22     L2 (mm)   37.5     L3 (mm)   18     L4 (mm)   12.0     T (mm)   10                                                                                                                                                                               | E1                                    | M5       |
| H (mm)   38.0     H1 (mm)   42.5     H2 (mm)   18.5     K1   M10x1,25     L (mm)   36     L1 (mm)   22     L2 (mm)   37.5     L3 (mm)   18     L4 (mm)   12.0     T (mm)   10                                                                                                                                                                                                  | F (mm)                                | 8.0      |
| H1 (mm)42.5H2 (mm)18.5K1M10x1,25L (mm)36L1 (mm)22L2 (mm)37.5L3 (mm)18L4 (mm)12.0T (mm)10                                                                                                                                                                                                                                                                                       | F1 (mm)                               | 30.0     |
| H2 (mm)   18.5     K1   M10x1,25     L (mm)   36     L1 (mm)   22     L2 (mm)   37.5     L3 (mm)   18     L4 (mm)   12.0     T (mm)   10                                                                                                                                                                                                                                       | H (mm)                                | 38.0     |
| K1 M10x1,25   L (mm) 36   L1 (mm) 22   L2 (mm) 37.5   L3 (mm) 18   L4 (mm) 12.0   T (mm) 10                                                                                                                                                                                                                                                                                    | H1 (mm)                               | 42.5     |
| L (mm)   36     L1 (mm)   22     L2 (mm)   37.5     L3 (mm)   18     L4 (mm)   12.0     T (mm)   10                                                                                                                                                                                                                                                                            | H2 (mm)                               | 18.5     |
| L1 (mm) 22   L2 (mm) 37.5   L3 (mm) 18   L4 (mm) 12.0   T (mm) 10                                                                                                                                                                                                                                                                                                              | К1                                    | M10x1,25 |
| L2 (mm) 37.5   L3 (mm) 18   L4 (mm) 12.0   T (mm) 10                                                                                                                                                                                                                                                                                                                           | L (mm)                                | 36       |
| L3 (mm)     18       L4 (mm)     12.0       T (mm)     10                                                                                                                                                                                                                                                                                                                      | L1 (mm)                               | 22       |
| L4 (mm) 12.0<br>T (mm) 10                                                                                                                                                                                                                                                                                                                                                      | L2 (mm)                               | 37.5     |
| T (mm) 10                                                                                                                                                                                                                                                                                                                                                                      | L3 (mm)                               | 18       |
|                                                                                                                                                                                                                                                                                                                                                                                | L4 (mm)                               | 12.0     |
| T1 (mm) 22                                                                                                                                                                                                                                                                                                                                                                     | T (mm)                                | 10       |
|                                                                                                                                                                                                                                                                                                                                                                                | T1 (mm)                               | 22       |

| T2 (mm)  | 4 |
|----------|---|
| SW1 (mm) | 8 |