

## Rotary indexing tables DHTG

**FESTO**



# Rotary indexing tables DHTG

Key features

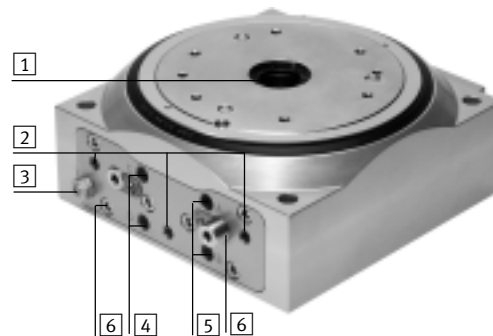
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## At a glance

- Sturdy mechanical system
- Easy planning and commissioning
- Indexing: 2, 3, 4, 6, 8, 12, 24
- Integrated functions:
  - Overload protection
  - Sensor function
  - Cushioning adjustment
- Speed setting
- Changing the direction of rotation

## The technology in detail

- Through-hole for energy throughfeed
- Thread for position sensing
- One-way flow control valve for regulating speed
- Supply port for reciprocating motion
- Supply port for clockwise or anticlockwise rotation
- Adjusting screw for cushioning adjustment



### Control options Clockwise

- Just one valve required



### Anticlockwise

- Just one valve required



### Reciprocating motion

- After conversion with a reciprocating motion kit
- Two valves required



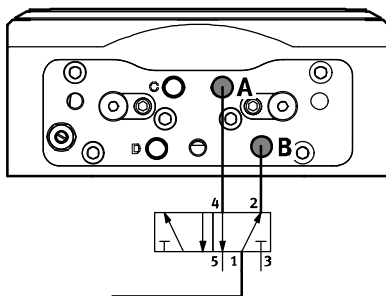
### Flexible control: Clockwise, anticlockwise, reciprocating motion

- After conversion with a reciprocating motion kit
- Two valves required

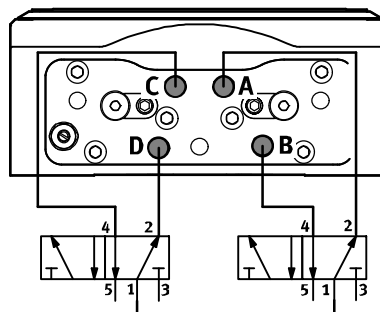


## Examples for simple interfaces

### Clockwise/anticlockwise



### Reciprocating motion/flexible control



# Rotary indexing tables DHTG

Key features

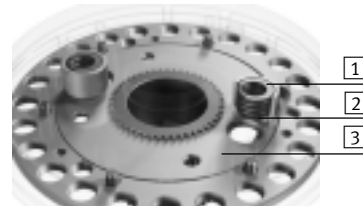
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## The technology in detail

### Overload protection

To prevent the rotary indexing table from being damaged by an excessive mass moment of inertia, e.g. during setting operation or in the event of shock absorber failure, sizes 140 and 220 feature overload protection. If the mass moment of inertia is too large, the securing pin is pressed against the spring force by the result-

ing radial force. It then slides forward on the toothed segment. This shift in position between the index plate and toothed segment means that the securing pin can no longer engage and the rotary indexing table does not move. The table can be made ready for use again by turning it back.



- 1 Securing pin
- 2 Spring
- 3 Toothed segment

### Energy throughfeed

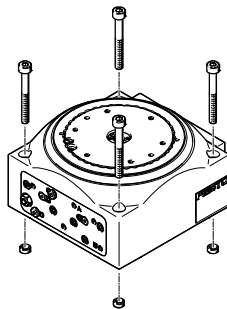
Electrical signals or compressed air can be transferred through the hollow shaft using the energy throughfeed. This enables fast and easy supply of the parts connected to the rotary table.

- 1 Electrical connection (output)
- 2 Housing, energy throughfeed
- 3 Supply port (output)
- 4 Rotary indexing table
- 5 Supply port (input)
- 6 Electrical connection (input)

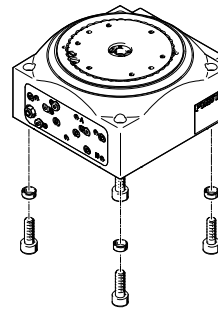


## Mounting options

### Direct mounting from above



### Direct mounting from below



# Rotary indexing tables DHTG

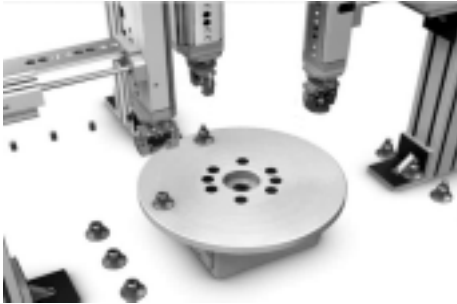
Key features

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## Application examples

### Basic rotary table

- Handling with minimum space requirement



### Rotary table with rotary distributor

- For the transfer of compressed air and vacuum to the rotary table
- With 1 or 2 separate ducts



### Rotary table with stationary centre section

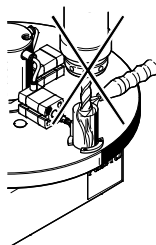
- For the mounting of handling units or other devices in the centre of the rotary indexing table



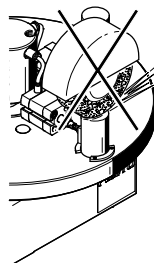
- - Note

The rotary indexing tables are not designed for the following or similar sample applications:

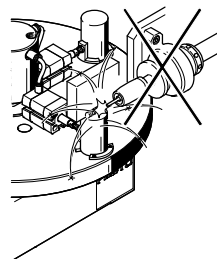
- Machining
- Aggressive media



- Grinding dust



- Welding spatter



# Rotary indexing tables DHTG

Type codes

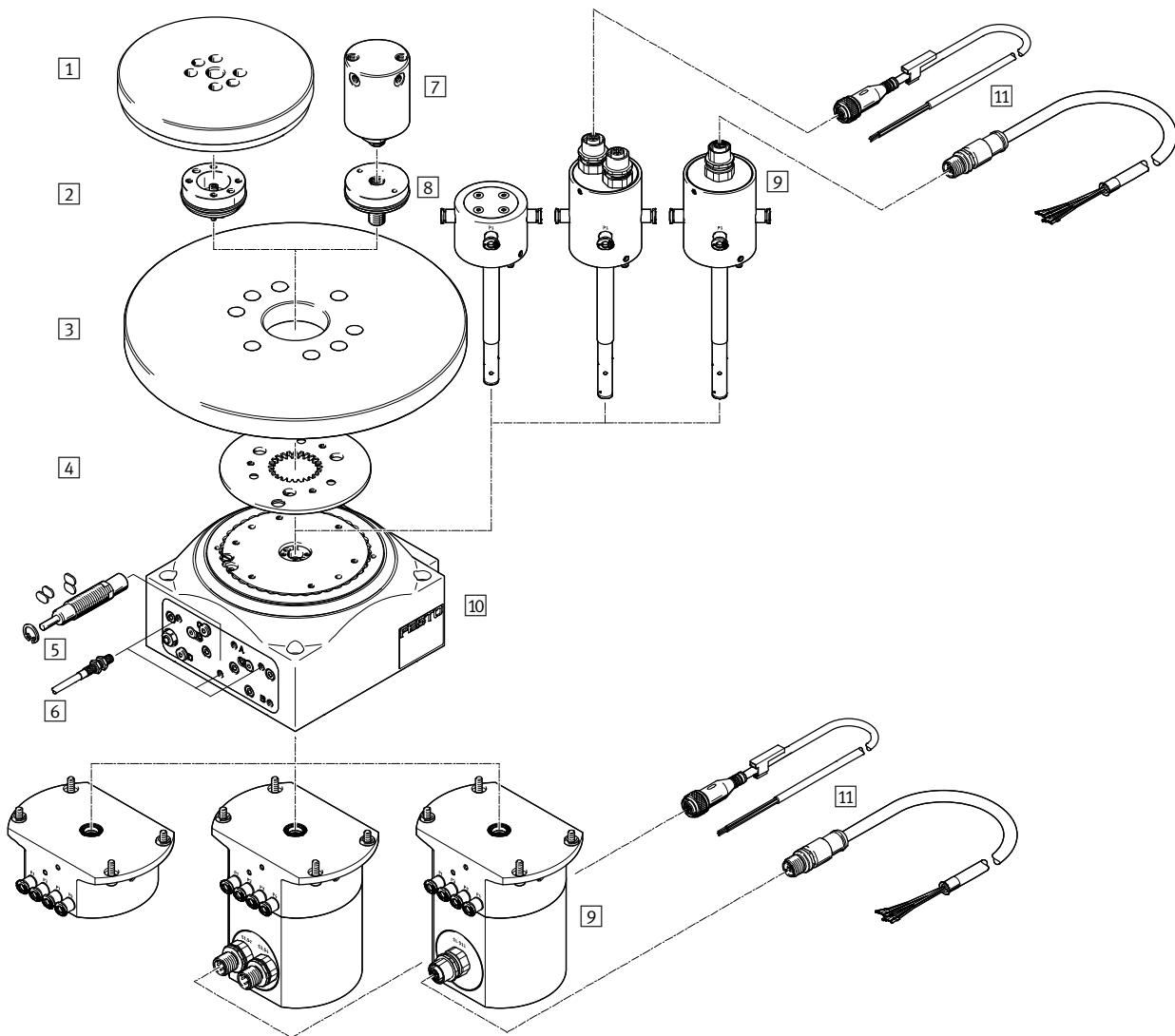
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|                           |                                           |      |   |    |   |   |   |   |   |  |
|---------------------------|-------------------------------------------|------|---|----|---|---|---|---|---|--|
|                           |                                           | DHTG | - | 90 | - | 8 | - | A | - |  |
| <b>Series</b>             |                                           |      |   |    |   |   |   |   |   |  |
| DHTG                      | Rotary indexing table                     |      |   |    |   |   |   |   |   |  |
| <b>Size</b>               |                                           |      |   |    |   |   |   |   |   |  |
| <b>Indexing</b>           |                                           |      |   |    |   |   |   |   |   |  |
| <b>Position sensing</b>   |                                           |      |   |    |   |   |   |   |   |  |
| A                         | Via proximity sensor                      |      |   |    |   |   |   |   |   |  |
| <b>Energy throughfeed</b> |                                           |      |   |    |   |   |   |   |   |  |
| -                         | None                                      |      |   |    |   |   |   |   |   |  |
| P4                        | Pneumatic, 4 ducts                        |      |   |    |   |   |   |   |   |  |
| P4E4                      | Pneumatic, 4 ducts<br>electric, 4 signals |      |   |    |   |   |   |   |   |  |
| P4L12                     | Pneumatic, 4 ducts<br>electric, 12 cables |      |   |    |   |   |   |   |   |  |

# Rotary indexing tables DHTG

Peripherals overview

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# Rotary indexing tables DHTG

Peripherals overview



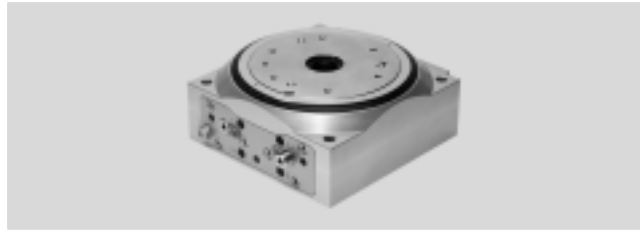
| Variants and accessories                   |                                                                                                                                                                                         |                 |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| Type                                       | Description                                                                                                                                                                             | → Page/Internet |
| 1 Plate, fixed                             | For illustration purposes only, not included in the scope of delivery                                                                                                                   | 28              |
| 2 Adapter kit<br>DADG-AK                   | For mounting a blank plate on the rotary indexing table                                                                                                                                 | 28              |
| 3 Plate, rotary                            | For illustration purposes only, not included in the scope of delivery                                                                                                                   | 28              |
| 4 Indexing conversion kit<br>DADM-CK       | The step angles can be adjusted at any time using the kit                                                                                                                               | 30              |
| 5 Reciprocating motion kit<br>DADM-TK      | Allows conversion from movement in one direction to reciprocating motion                                                                                                                | 30              |
| 6 Proximity sensor<br>SIEN                 | For sensing the switching position of the rotary indexing table                                                                                                                         | 30              |
| 7 Rotary distributor<br>GF                 | Distributes the compressed air fed through the centre of the rotary indexing table to the actuators on the rotating blank plate. Cannot be used in combination with a fixed blank plate | 29              |
| 8 Adapter kit<br>DADG-AK-...-...G...       | For mounting the rotary distributor on the rotary indexing table                                                                                                                        | 29              |
| 9 Pneumatic/electric<br>energy throughfeed | For quick and easy pneumatic/electrical supply of parts connected to the rotary plate                                                                                                   | 12              |
| 10 Rotary indexing table<br>DHTG           | Flexible application range: anticlockwise rotation, clockwise rotation or reciprocating motion                                                                                          | 8               |
| 11 Connecting cables<br>NEBU, NEBS         | For transmitting the signals                                                                                                                                                            | 31              |

# Rotary indexing tables DHTG

Technical data

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-  Size  
65, 90, 140, 220
- Indexing  
2, 3, 4, 6, 8, 12, 24



| General technical data                                         |                                                             |        |      |                    |       |
|----------------------------------------------------------------|-------------------------------------------------------------|--------|------|--------------------|-------|
| Size                                                           | 65                                                          | 90     | 140  | 220                |       |
| Pneumatic connection                                           | M5                                                          |        | G1/8 |                    |       |
| Design                                                         | Gear coupling                                               |        |      |                    |       |
|                                                                | Rack and pinion                                             |        |      |                    |       |
|                                                                | Force pilot operated motion sequence                        |        |      |                    |       |
| Mode of operation                                              | Double-acting                                               |        |      |                    |       |
| Type of mounting                                               | Via through-hole and centring sleeve                        |        |      |                    |       |
| Mounting position                                              | Any                                                         |        |      |                    |       |
| Cushioning                                                     | Adjustable shock absorber stroke, hard characteristic curve |        |      |                    |       |
| Indexing                                                       | 2, 3, 4, 6, 8, 12, 24                                       |        |      | 3, 4, 6, 8, 12, 24 |       |
| Theoretical torque at 6 bar                                    | [Nm]                                                        | 2.1    | 4.4  | 18.1               | 58.9  |
| Parallelism of plate <sup>1)</sup>                             | [mm]                                                        | ≤ 0.04 |      |                    |       |
| Axial eccentricity of plate <sup>2)</sup>                      | [mm]                                                        | ≤ 0.02 |      |                    |       |
| Concentricity of plate <sup>3)</sup>                           | [mm]                                                        | ≤ 0.02 |      |                    |       |
| Repetition accuracy of swivel angle                            | [°]                                                         | ≤ 0.03 |      |                    |       |
| Max. mass moment of inertia without flow control <sup>4)</sup> | [kgm <sup>2</sup> ]                                         | 0.016  | 0.03 | 0.3                | 2.5   |
| Cycle time without flow control                                | ➔ page 10                                                   |        |      |                    |       |
| Position sensing                                               | Via inductive proximity sensors                             |        |      |                    |       |
| Weight                                                         |                                                             |        |      |                    |       |
| DHTG-...                                                       | [kg]                                                        | 2.0    | 4.5  | 10                 | 24    |
| DHTG-...-P4                                                    | [kg]                                                        | 4.39   | 6.89 | 12.49              | 26.64 |
| DHTG-...-P4E4                                                  | [kg]                                                        | 5.12   | 7.62 | 13.22              | 27.37 |
| DHTG-...-P4L12                                                 | [kg]                                                        | 5.15   | 7.65 | 13.25              | 27.40 |

- 1) Parallelism of plate surface to housing support
- 2) Measured on the surface of the plate at the edge of the plate in relation to the housing support
- 3) Measured on the inner diameter of the plate in relation to the housing
- 4) Operation with flow control can increase the mass moment of inertia by 50%. The service life of the shock absorber is reduced in this case. The mass moment of inertia depends on the number of stations and the switching frequency (→ page 11)



**Note**

The "clockwise" rotation of the table can be controlled via an internal flow control valve in combination with the reciprocating motion kit. For "anti-clockwise" rotation, external actuation via an additional one-way flow control valve GRLA is needed.

| Operating and environmental conditions       |                                                                                            |
|----------------------------------------------|--------------------------------------------------------------------------------------------|
| Operating medium                             | Compressed air in accordance with ISO 8573-1:2010 [7:4:4]                                  |
| Note on operating/pilot medium               | Lubricated operation possible (in which case lubricated operation will always be required) |
| Operating pressure [bar]                     | 4 ... 8                                                                                    |
| Ambient temperature [°C]                     | 5 ... 60                                                                                   |
| Storage temperature [°C]                     | -20 ... +80                                                                                |
| Degree of protection                         | IP54 <sup>2)</sup>                                                                         |
| Corrosion resistance class CRC <sup>1)</sup> | 2                                                                                          |

- 1) Corrosion resistance class CRC 2 to Festo standard FN 940070  
Moderate corrosion stress. Indoor applications in which condensation may occur. External visible parts with primarily decorative requirements for the surface and which are in direct contact with the ambient atmosphere typical for industrial applications.
- 2) The specified degree of protection applies to the top side of the rotary indexing table. The underside must be provided with appropriate external protection for the environment.



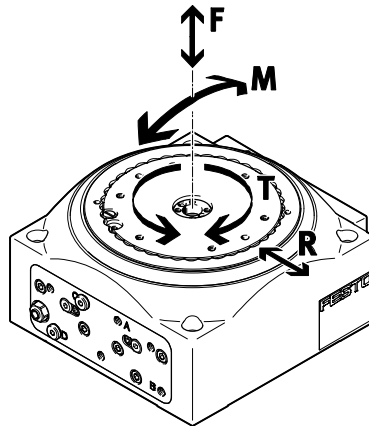
# Rotary indexing tables DHTG

Technical data

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## Static characteristic load values

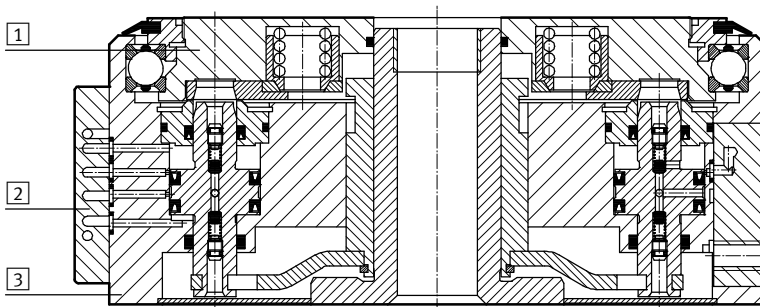
The indicated forces and torques refer to the locked table and can also act on the table plate.



| Size                     |      | 65   | 90   | 140  | 220  |
|--------------------------|------|------|------|------|------|
| Forces                   |      |      |      |      |      |
| Max. axial force F       | [N]  | 1000 | 2000 | 4000 | 5000 |
| Max. radial force R      | [N]  | 2000 | 5000 | 6000 | 8000 |
| Torque                   |      |      |      |      |      |
| Max. tilting torque M    | [Nm] | 100  | 150  | 300  | 500  |
| Max. tangential torque T | [Nm] | 100  | 150  | 200  | 500  |

## Materials

Sectional view



| Rotary indexing table |                |                                              |
|-----------------------|----------------|----------------------------------------------|
| 1                     | Plate          | Galvanised steel                             |
| 2                     | Cap            | Wrought aluminium alloy                      |
| 3                     | Housing        | Wrought aluminium alloy                      |
| –                     | Stops          | Galvanised steel                             |
| –                     | Seals          | NBR, TPE-U (PU)                              |
| Note on materials     |                |                                              |
|                       | DHTG-...       | Free of copper and PTFE                      |
|                       | DHTG-...-P4... | Cables with PTFE insulation                  |
|                       |                | Contains paint-wetting impairment substances |

# Rotary indexing tables DHTG

Technical data

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## Calculation of the cycle time

The rotary indexing tables are equipped with a hydraulic shock absorber, which means that the max. frequency of the shock absorber must also be taken into account when calculating the cycle time.

The switching time comprises:  
Switching time = Unlock, rotate, lock and return stroke of working piston.  
The cycle time is calculated as follows:  
Cycle time = Switching time + Processing time + Dwell time.

In the switching frequency graph, the max. achievable switching frequency is read in relation to the mass moment of inertia. The switching time can be calculated from this as follows:  
 $T = 60/f$ . The processing time is calculated from the time required by

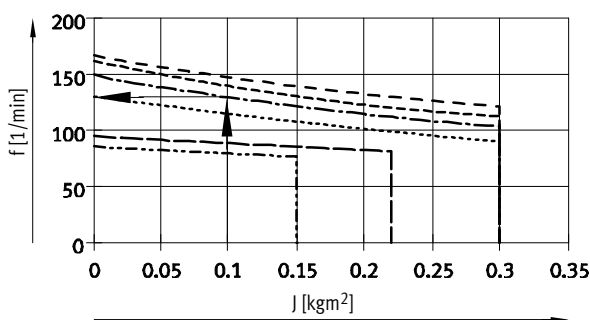
the respective customer application (e.g. time for component removal, press-in time, etc.). A dwell time may be necessary if the cycle time is shorter than the min. possible cycle time.

## Calculation example

DHTG-140 with 8 indexing stations and a mass moment of inertia of 0.1 kgm<sup>2</sup>.

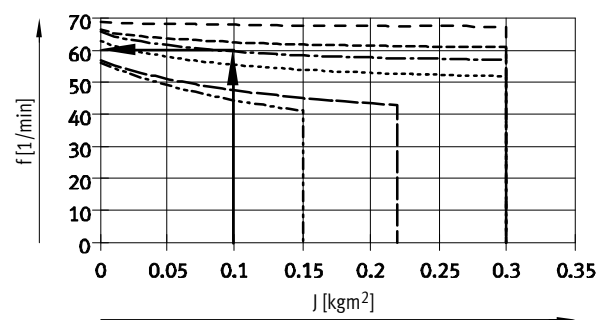
The customer application requires 300 ms per step for the insertion and removal of parts.

Switching frequency



$$T_{\text{Switchingtime}} = \frac{1}{f} = \frac{60s}{130} = 0.461s = 461ms$$

Max. permissible cycle frequency



$$T_{\text{Min.permissiblecycletime}} = \frac{60s}{59} = 1.017s = 1017ms$$

Dwell time = Min. permissible cycle time – Switching time – Processing time  
Dwell time = 1017 ms – 461 ms – 300 ms = 256 ms.

Given the fact that the switching time + processing time is shorter than the min. permissible cycle time, the rotary indexing table must stay in the end position

before the next step is performed. In other words, between the circuits an additional dwell time of 256 ms must be allowed for in the control sequence.

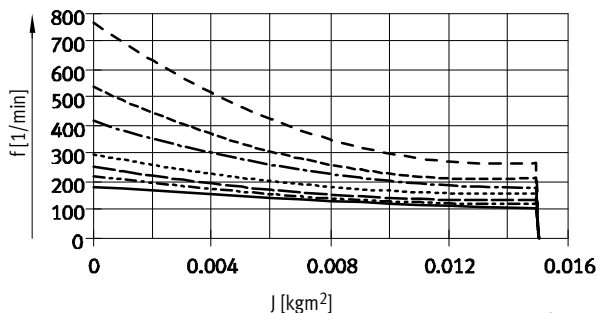
# Rotary indexing tables DHTG

Technical data

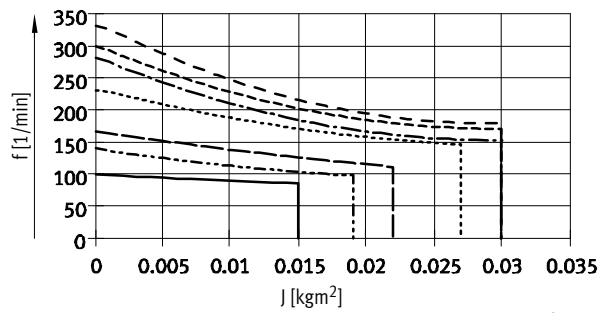
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Mass moment of inertia  $J$  as a function of switching frequency  $f$  and number of stations

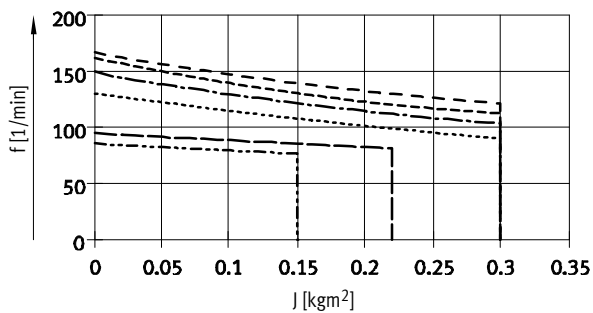
Size 65



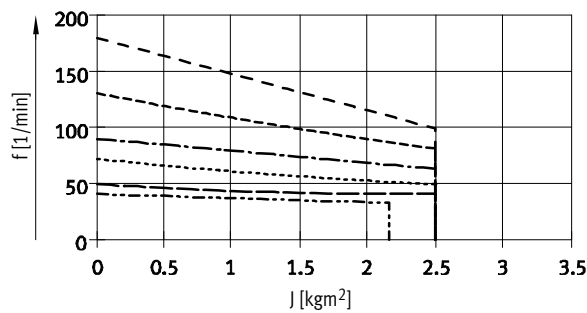
Size 90



Size 140

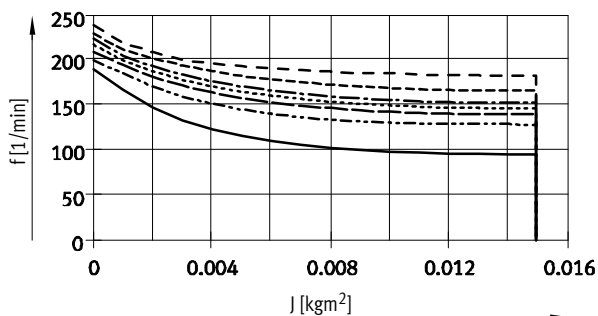


Size 220

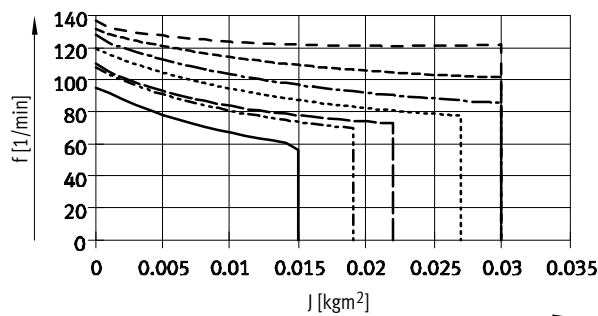


Max. permissible cycle frequency  $f$  as a function of mass moment of inertia  $J$

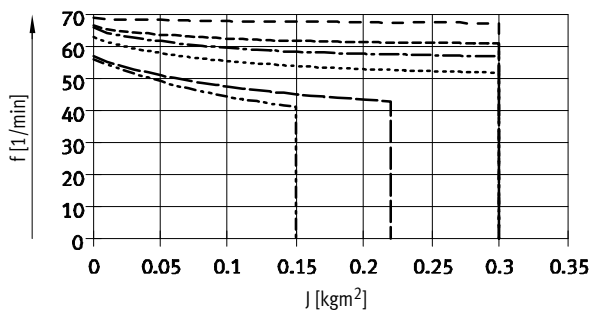
Size 65



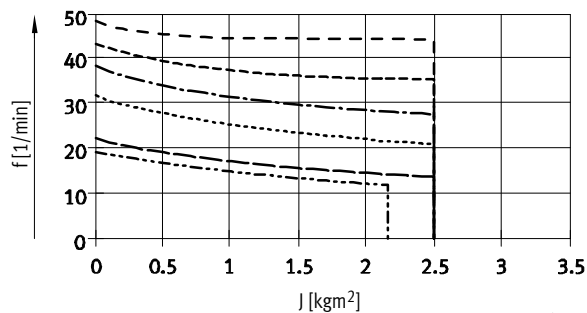
Size 90



Size 140



Size 220



- |                               |                            |
|-------------------------------|----------------------------|
| ———— 2 indexing stations      | ----- 8 indexing stations  |
| - - - - - 3 indexing stations | ----- 12 indexing stations |
| ----- 4 indexing stations     | ----- 24 indexing stations |
| ..... 6 indexing stations     |                            |

# Rotary indexing tables DHTG

Technical data

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## Energy throughfeed

DHTG-...-P4

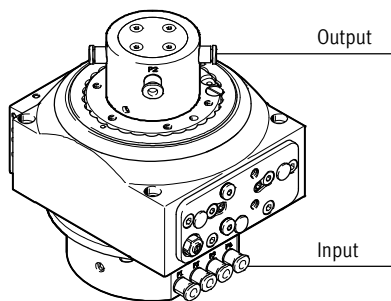
DHTG-...-P4E4

DHTG-...-P4L12

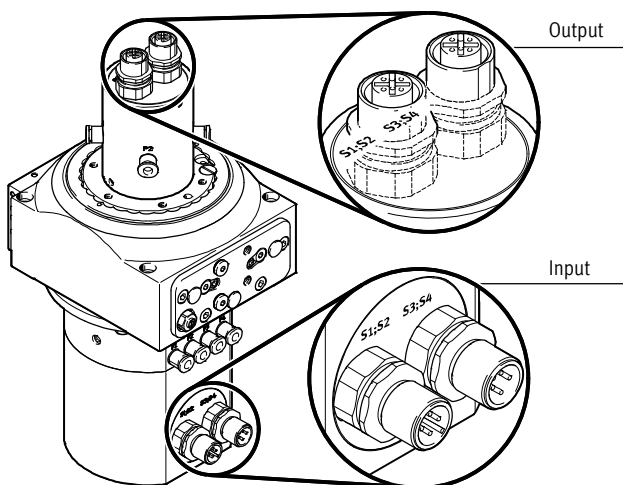


| Function                                                                                                       | Benefits                                                                                                          |                                                                                                                |                                                                                                                                                                                                      |
|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical signals or compressed air can be transferred through the hollow shaft using the energy throughfeed. | <ul style="list-style-type: none"> <li>Fast and easy supply of the parts connected to the rotary table</li> </ul> | <ul style="list-style-type: none"> <li>Tubing and electrical cables are not damaged by the rotation</li> </ul> | <ul style="list-style-type: none"> <li>Two variants available:                             <ul style="list-style-type: none"> <li>Pneumatic</li> <li>Pneumatic and electrical</li> </ul> </li> </ul> |

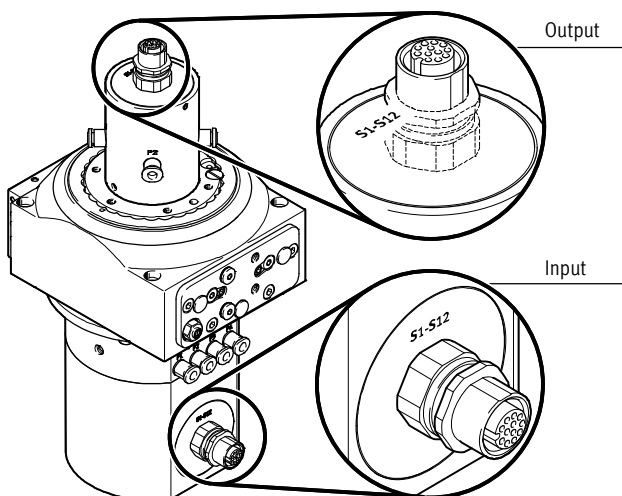
## Pneumatic DHTG-...-P4



## Pneumatic/electrical DHTG-...-P4E4



## DHTG-...-P4L12



# Rotary indexing tables DHTG

Technical data

| Technical data                         |           |                      |                      |
|----------------------------------------|-----------|----------------------|----------------------|
| Variant                                | Pneumatic | Pneumatic/electrical | Pneumatic/electrical |
| Order code                             | P4        | P4E4                 | P4/L12               |
| Pneumatic                              |           |                      |                      |
| Number of pneumatic ducts              | 4         | 4                    | 4                    |
| Tubing O.D.                            | 4         |                      |                      |
| Max. operating pressure [bar]          | 8         |                      |                      |
| Connection                             | M5        |                      |                      |
| Flow rate per duct [l/min.]            | 86        |                      |                      |
| Electrical                             |           |                      |                      |
| Number of signal lines                 | –         | 4                    | 12 <sup>1)</sup>     |
| Rated voltage [DC V]                   | –         | 30                   | 30                   |
| Max. current <sup>1)</sup> [A]         | –         | 1.5                  | 1.5                  |
| Cable cross section [mm <sup>2</sup> ] | –         | 0.14                 | 0.14                 |
| Connection                             | –         | M12                  | M12                  |

1) Freely configurable

## Pin allocation – Energy throughfeed, electrical

DHTG-...-P4E4

| Input<br>M12 plug |                |     |                 | Output<br>M12 socket |     |                |             |
|-------------------|----------------|-----|-----------------|----------------------|-----|----------------|-------------|
| Designation       | Pin allocation | Pin | Circuit diagram | Circuit diagram      | Pin | Pin allocation | Designation |
| S1;S2             | +              | 1   |                 |                      | 1   | +              | S1;S2       |
|                   | Sig 2          | 2   |                 |                      | 2   | Sig 2          |             |
|                   | –              | 3   |                 |                      | 3   | –              |             |
|                   | Sig 1          | 4   |                 |                      | 4   | Sig 1          |             |
| S3;S4             | +              | 1   |                 |                      | 1   | +              | S3;S4       |
|                   | Sig 4          | 2   |                 |                      | 2   | Sig 4          |             |
|                   | –              | 3   |                 |                      | 3   | –              |             |
|                   | Sig 3          | 4   |                 |                      | 4   | Sig 3          |             |

DHTG-...-P4L12

| Input<br>M12 socket                 |                 | Output<br>M12 socket |                                     |
|-------------------------------------|-----------------|----------------------|-------------------------------------|
| Designation                         | Circuit diagram | Circuit diagram      | Designation                         |
| Sig 1 ... 12<br>freely configurable |                 |                      | Sig 1 ... 12<br>freely configurable |

- - Note

Only connecting cables with straight connectors can be used  
(→ page 31).

# Rotary indexing tables DHTG

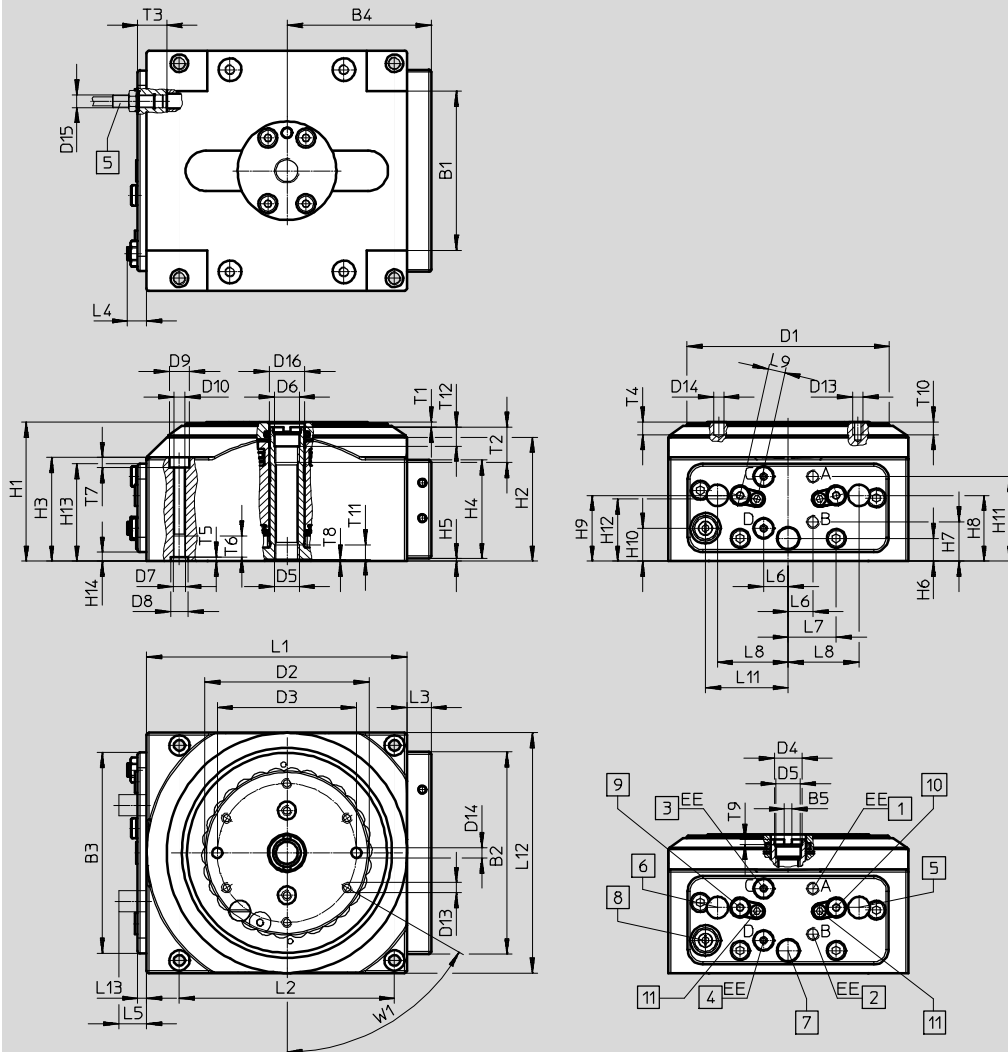
Technical data

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## Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)

Size 65



- |                                                                          |                                                                                             |                                                                                                                                     |                                                                                                                                      |
|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| 1 Supply port: unlock and rotate (reciprocating motion: unlock)          | 4 Blanking plug (for reciprocating motion: rotate supply port anticlockwise)                | 7 Sensor lock                                                                                                                       | 10 Adjustment of end-position cushioning for clockwise rotation and reciprocating motion (not applicable for anticlockwise rotation) |
| 2 Supply port: lock and return stroke (reciprocating motion: lock)       | 5 Sensor turned for clockwise rotation (sensor initial position for anticlockwise rotation) | 8 One-way flow control valve                                                                                                        | 11 Counter-torque for end-position cushioning 2.5 Nm                                                                                 |
| 3 Blanking plug (for reciprocating motion: rotate supply port clockwise) | 6 Sensor initial position for clockwise rotation (sensor turned for anticlockwise rotation) | 9 Adjustment of end-position cushioning for anticlockwise rotation and reciprocating motion (not applicable for clockwise rotation) |                                                                                                                                      |

# Rotary indexing tables DHTG

Technical data

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| Size | B1 <sup>3)</sup><br>±2 | B2 | B3   | B4   | B5<br>+0.1 | D1<br>Ø | D2<br>Ø | D3 <sup>1)</sup><br>Ø | D4<br>Ø | D5   | D6<br>Ø<br>H8 | D7 |
|------|------------------------|----|------|------|------------|---------|---------|-----------------------|---------|------|---------------|----|
| 65   | 63                     | 80 | 79.5 | 47.5 | 3          | 80      | 65      | 55                    | 11      | G1/8 | 10            | M5 |

| Size | D8<br>Ø<br>H8 | D9<br>Ø | D10<br>Ø | D13 | D14<br>Ø<br>H8 | D15    | D16<br>Ø<br>H8 | EE | H1<br>±0.5 | H2 | H3 | H4 |
|------|---------------|---------|----------|-----|----------------|--------|----------------|----|------------|----|----|----|
| 65   | 7             | 8       | 4.3      | M4  | 4              | M5x0.5 | 14             | M5 | 55         | 49 | 41 | 39 |

| Size | H5 | H6 | H7   | H8 | H9 | H10 | H11  | H12  | H13  | H14 | L1<br>±0.1 | L2 <sup>1)</sup><br>□ |
|------|----|----|------|----|----|-----|------|------|------|-----|------------|-----------------------|
| 65   | 1  | 9  | 15.5 | 26 | 26 | 13  | 33.5 | 24.5 | 38.5 | 3.5 | 103        | 85                    |

| Size | L3  | L4<br>+1 | L5 <sup>2)</sup><br>Max. | L6   | L7 | L8 | L9   | L11   | L12<br>±0.1 | L13<br>+0.1 | T1<br>±1 | T2<br>Min. |
|------|-----|----------|--------------------------|------|----|----|------|-------|-------------|-------------|----------|------------|
| 65   | 9.5 | 7.5      | 11                       | 9.75 | 19 | 28 | 6.75 | 32.75 | 95          | 3.5         | 2        | 14         |

| Size | T3<br>Min. | T4<br>Min. | T5<br>+0.1 | T6<br>Min. | T7 | T8  | T9 | T10<br>Min. | T11<br>Min. | T12 | W1  |
|------|------------|------------|------------|------------|----|-----|----|-------------|-------------|-----|-----|
| 65   | 12         | 5          | 1.6        | 10         | 4  | 0.5 | 2  | 6           | 5           | 7   | 60° |

- 1) Tolerance between the centring holes: ±0.02  
Tolerance between the threaded holes and countersinks: ±0.2
- 2) Max. projection of shock absorber adjustment
- 3) 0.1 +0.05 recessed

# Rotary indexing tables DHTG

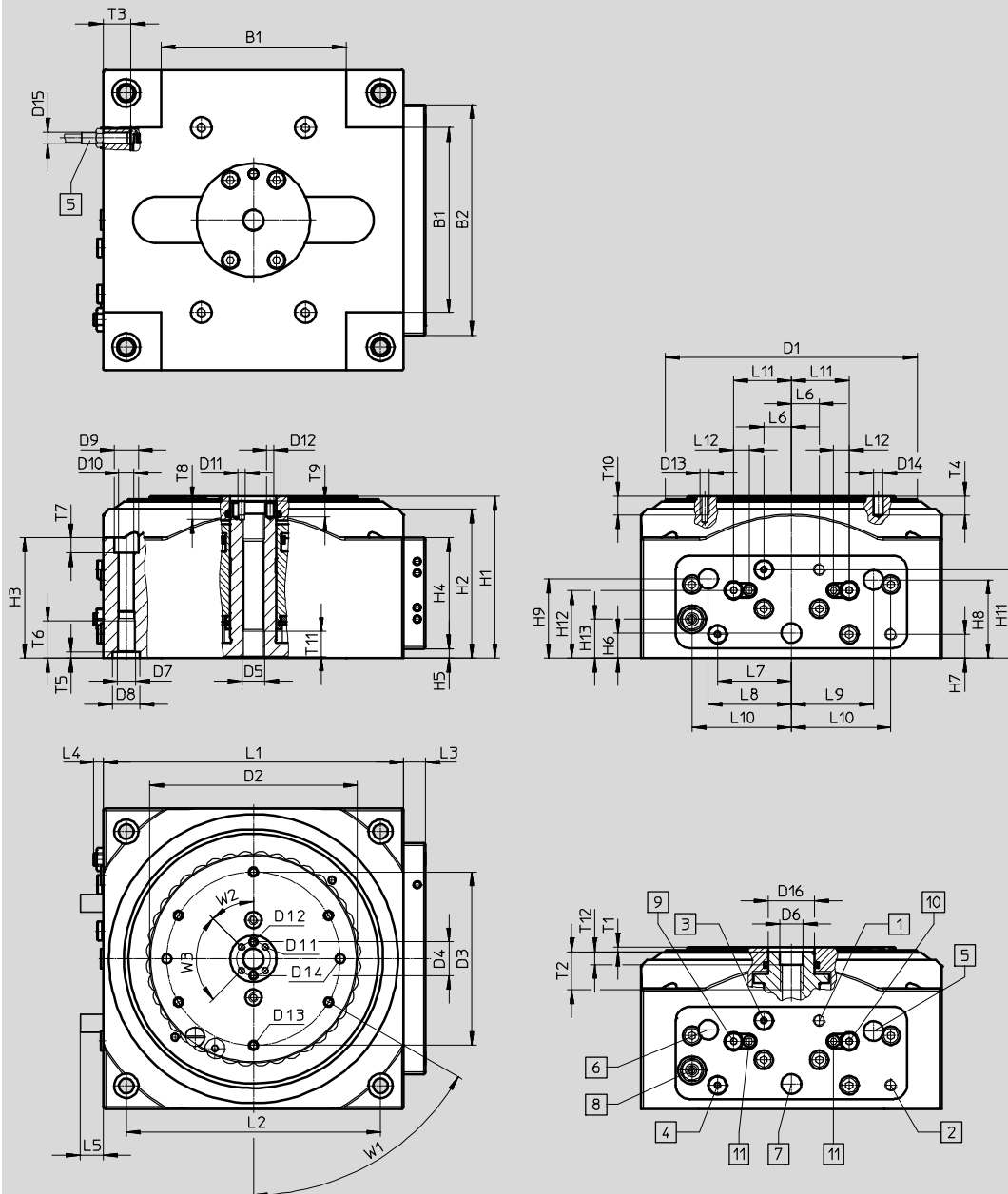
Technical data

FESTO

## Dimensions

Size 90

Download CAD data → [www.festo.com](http://www.festo.com)



- |                                                                          |                                                                                             |                                                                                                                                     |                                                                                                                                      |
|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| 1 Supply port: unlock and rotate (reciprocating motion: unlock)          | 4 Blanking plug (for reciprocating motion: rotate supply port anticlockwise)                | 7 Sensor lock                                                                                                                       | 10 Adjustment of end-position cushioning for clockwise rotation and reciprocating motion (not applicable for anticlockwise rotation) |
| 2 Supply port: lock and return stroke (reciprocating motion: lock)       | 5 Sensor turned for clockwise rotation (sensor initial position for anticlockwise rotation) | 8 One-way flow control valve                                                                                                        | 11 Counter-torque for end-position cushioning 2.5 Nm                                                                                 |
| 3 Blanking plug (for reciprocating motion: rotate supply port clockwise) | 6 Sensor initial position for clockwise rotation (sensor turned for anticlockwise rotation) | 9 Adjustment of end-position cushioning for anticlockwise rotation and reciprocating motion (not applicable for clockwise rotation) |                                                                                                                                      |



# Rotary indexing tables DHTG

Technical data

FESTO

| Size | B1 <sup>3)</sup><br>±2 | B2  | D1<br>Ø | D2<br>Ø | D3 <sup>1)</sup><br>Ø | D4 <sup>1)</sup><br>Ø | D5   | D6<br>Ø<br>H8 | D7  | D8<br>Ø<br>H8 | D9<br>Ø | D10<br>Ø |
|------|------------------------|-----|---------|---------|-----------------------|-----------------------|------|---------------|-----|---------------|---------|----------|
| 90   | 80                     | 100 | 109     | 90      | 75                    | 14.5                  | G1/8 | 10            | M 8 | 12            | 10.5    | 6.4      |

| Size | D11 | D12<br>Ø<br>H8 | D13 | D14<br>Ø<br>H8 | D15    | D16<br>Ø<br>H8 | EE | H1<br>±0.5 | H2   | H3 | H4 | H5 |
|------|-----|----------------|-----|----------------|--------|----------------|----|------------|------|----|----|----|
| 90   | M3  | 3              | M4  | 4              | M5x0.5 | 20             | M5 | 70         | 64.4 | 52 | 48 | 4  |

| Size | H6    | H7    | H8    | H9    | H11   | H12   | H13   | L1<br>□<br>±0.1 | L2 <sup>1)</sup><br>□ | L3  | L4 | L5 <sup>2)</sup><br>Max. |
|------|-------|-------|-------|-------|-------|-------|-------|-----------------|-----------------------|-----|----|--------------------------|
| 90   | 10.75 | 10.25 | 33.75 | 34.25 | 38.25 | 29.25 | 16.75 | 130             | 110                   | 9.5 | 4  | 10                       |

| Size | L6 | L7 | L8 | L9   | L10 | L11 | L12 | T1<br>±1 | T2<br>Min. | T3 | T4<br>Min. |
|------|----|----|----|------|-----|-----|-----|----------|------------|----|------------|
| 90   | 12 | 32 | 36 | 35.5 | 43  | 25  | 6.7 | 2        | 16.5       | 12 | 8          |

| Size | T5<br>+0.1 | T6<br>Min. | T7  | T8 | T9<br>Min. | T10<br>Min. | T11<br>Min. | T12 | W1  | W2  | W3  |
|------|------------|------------|-----|----|------------|-------------|-------------|-----|-----|-----|-----|
| 90   | 2.6        | 16         | 6.5 | 6  | 5          | 8           | 11          | 5.5 | 60° | 45° | 90° |

1) Tolerance for centring hole ±0.02 mm.  
Tolerance for thread ±0.1 mm.

2) Max. projection of shock absorber adjustment

3) 0.1 +0.05 recessed

# Rotary indexing tables DHTG

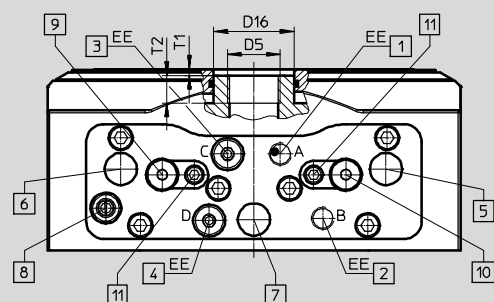
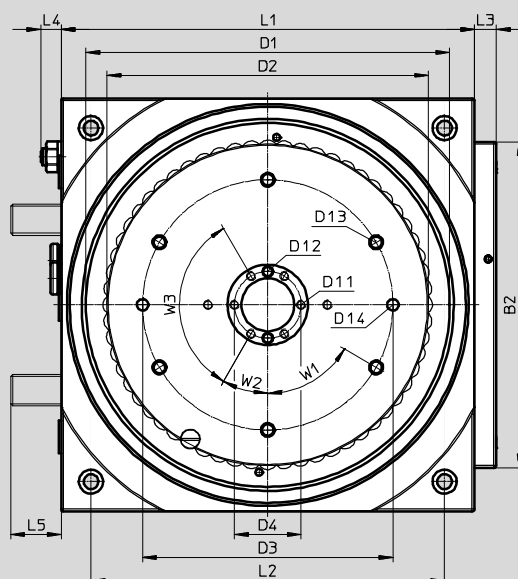
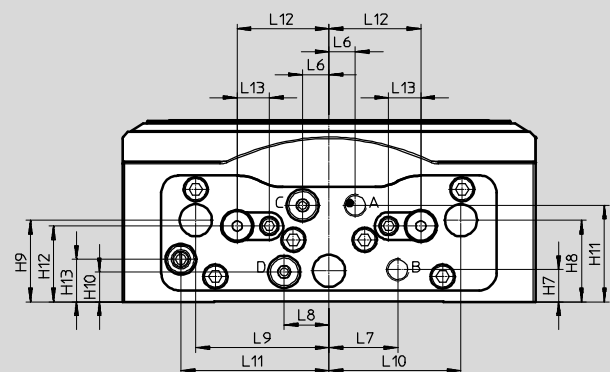
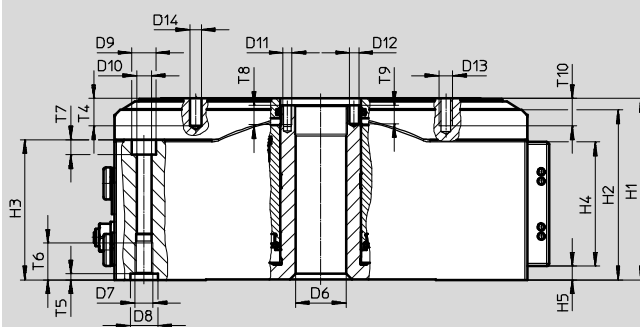
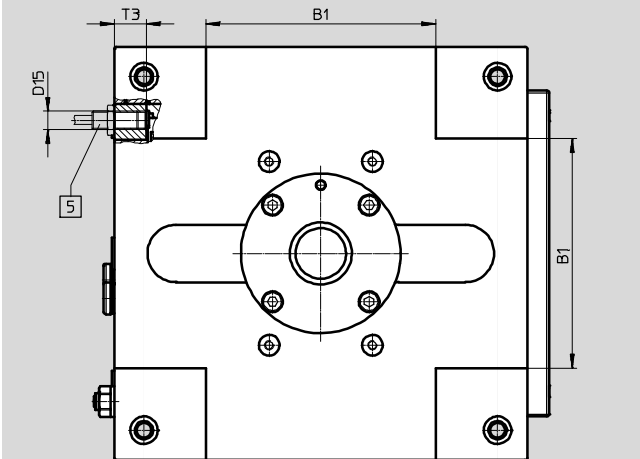
Technical data

FESTO

## Dimensions

Sizes 140, 220

Download CAD data → [www.festo.com](http://www.festo.com)



- |                                                                          |                                                                                             |                                                                                                                                     |                                                                                                                                      |
|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| 1 Supply port: unlock and rotate (reciprocating motion: unlock)          | 4 Blanking plug (for reciprocating motion: rotate supply port anticlockwise)                | 7 Sensor lock                                                                                                                       | 10 Adjustment of end-position cushioning for clockwise rotation and reciprocating motion (not applicable for anticlockwise rotation) |
| 2 Supply port: lock and return stroke (reciprocating motion: lock)       | 5 Sensor turned for clockwise rotation (sensor initial position for anticlockwise rotation) | 8 One-way flow control valve                                                                                                        | 11 Counter-torque for end-position cushioning 2.5 Nm                                                                                 |
| 3 Blanking plug (for reciprocating motion: rotate supply port clockwise) | 6 Sensor initial position for clockwise rotation (sensor turned for anticlockwise rotation) | 9 Adjustment of end-position cushioning for anticlockwise rotation and reciprocating motion (not applicable for clockwise rotation) |                                                                                                                                      |

# Rotary indexing tables DHTG

Technical data

**FESTO**

| Size | B1 <sup>3)</sup><br>±2 | B2  | D1<br>Ø | D2<br>Ø | D3 <sup>1)</sup><br>Ø | D4 <sup>1)</sup><br>Ø | D5    | D6<br>Ø | D7  | D8<br>Ø<br>H8 | D9<br>Ø | D10<br>Ø | D11 | D12<br>Ø<br>H8 |
|------|------------------------|-----|---------|---------|-----------------------|-----------------------|-------|---------|-----|---------------|---------|----------|-----|----------------|
| 140  | 100                    | 142 | 159     | 140     | 109                   | 29                    | M23x1 | 22      | M 8 | 12            | 10.5    | 6.4      | M4  | 4              |
| 220  | 150                    | 212 | 239     | 220     | 165                   | 67                    | –     | 58.4    | M10 | 15            | 13.5    | 8.4      | M5  | 5              |

| Size | D13 | D14<br>Ø<br>H8 | D15  | D16<br>Ø<br>H8 | EE   | H1<br>±0.5 | H2   | H3   | H4 | H5  | H6   | H7   | H8   | H9   |
|------|-----|----------------|------|----------------|------|------------|------|------|----|-----|------|------|------|------|
| 140  | M6  | 5              | M8x1 | 35             | G1/8 | 79         | 74   | 61   | 54 | 6   | 13.5 | 14   | 35.5 | 35.5 |
| 220  | M 8 | 6              | M8x1 | 75             | G1/8 | 89         | 83.5 | 68.5 | 64 | 4.5 | 13.5 | 24.5 | 15   | 15   |

| Size | H10  | H11  | H12  | H13  | L1<br>□<br>±0.1 | L2 <sup>1)</sup><br>□ | L3  | L4<br>+1 | L5 <sup>2)</sup><br>Max. | L6   | L7 | L8   | L9 | L10  | L11  |
|------|------|------|------|------|-----------------|-----------------------|-----|----------|--------------------------|------|----|------|----|------|------|
| 140  | 13   | 42   | 33   | 18.5 | 180             | 154                   | 9.5 | 8.9      | 22                       | 11.5 | 30 | 19.5 | 58 | 57.5 | 64.5 |
| 220  | 24.5 | 50.5 | 36.5 | 24   | 270             | 228                   | 12  | 4.6      | 22                       | 41   | 41 | 41   | 61 | 61   | 99.5 |

| Size | L12 | L13 | T1<br>±1 | T2<br>Min. | T3<br>Min. | T4<br>Min. | T5<br>+0.1 | T6<br>Min. | T7  | T8<br>Min. | T9<br>Min. | T10<br>Min. | W1  | W2  | W3   |
|------|-----|-----|----------|------------|------------|------------|------------|------------|-----|------------|------------|-------------|-----|-----|------|
| 140  | 40  | 14  | 3        | 12         | 14         | 8          | 2.6        | 16         | 6.5 | 8          | 8          | 11          | 60° | 30° | 120° |
| 220  | 68  | 14  | 4        | –          | 19         | 8          | 3.1        | 20         | 8.5 | 10         | 10         | 11          | 60° | 30° | 120° |

- 1) Tolerance between the centring holes: ±0.02  
Tolerance between the threaded holes and countersinks: ±0.2
- 2) Max. projection of shock absorber adjustment
- 3) 0.1 +0.05 recessed

# Rotary indexing tables DHTG

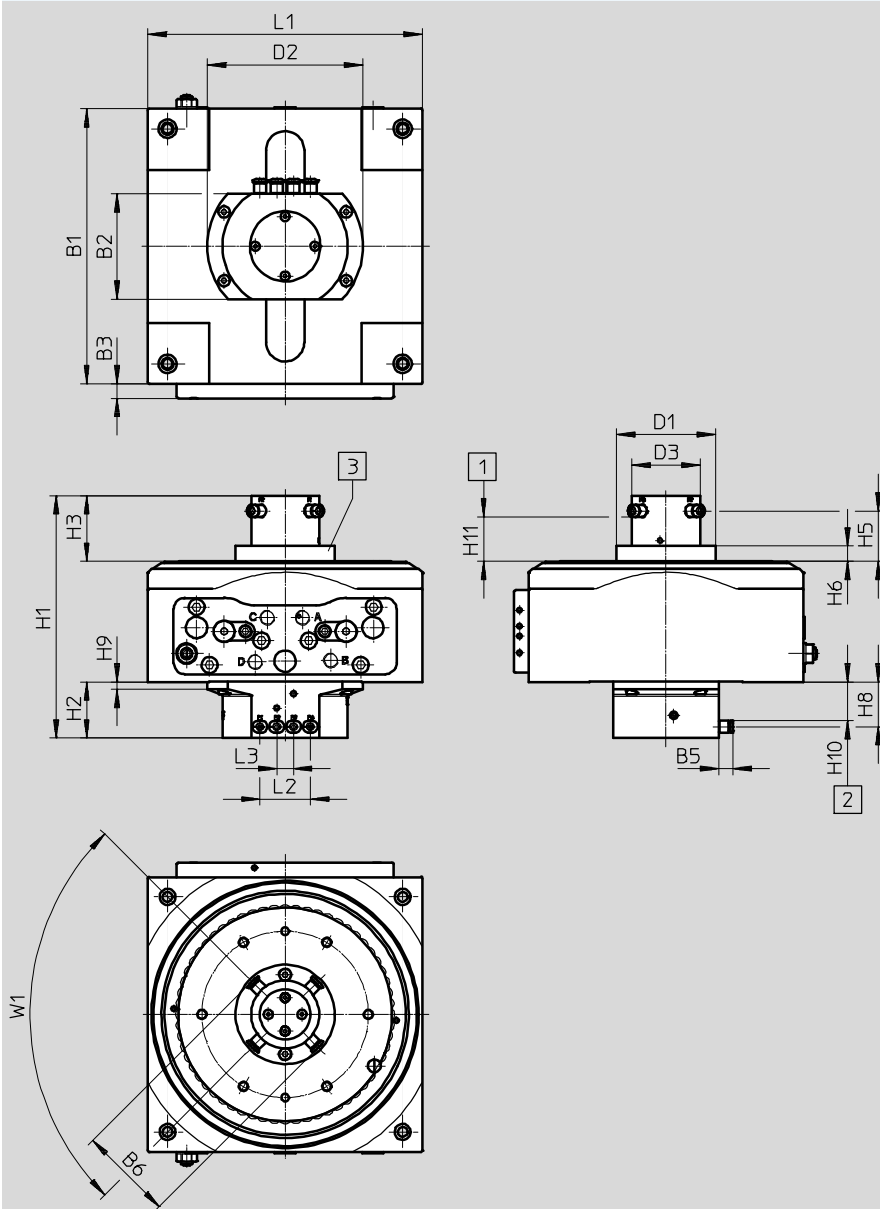
Technical data

FESTO

## Dimensions – Variants

Download CAD data → [www.festo.com](http://www.festo.com)

P4 – Pneumatic energy throughfeed



- 1 Maximum height on the rotary table
- 2 Maximum height on the mounting surface
- 3 Adapter plate only for size 140 and 220

## Rotary indexing tables DHTG

Technical data

**FESTO**

| Size | B1  | B2<br>±0.1 | B3  | B5  | B6   | D1<br>Ø<br>±0.1 | D2<br>Ø |
|------|-----|------------|-----|-----|------|-----------------|---------|
| 65   | 103 | 69         | 9.5 | 9.3 | 61.4 | –               | 102     |
| 90   | 130 |            | 9.5 |     |      | –               |         |
| 140  | 180 |            | 9.5 |     |      | 65              |         |
| 220  | 270 |            | 12  |     |      | 100             |         |

| Size | D3<br>Ø<br>±0.1 | H1  | H2<br>±0.1 | H3     | H5      | H6<br>±0.1 | H8<br>±0.1 |
|------|-----------------|-----|------------|--------|---------|------------|------------|
| 65   | 44.5            | 125 | 37         | 33±0.1 | 23±0.05 | –          | 29.5       |
| 90   |                 | 140 |            | 33±0.1 | 23±0.05 | –          |            |
| 140  |                 | 159 |            | 43±0.2 | 33±0.15 | 10         |            |
| 220  |                 | 169 |            | 43±0.2 | 33±0.15 | 10         |            |

| Size | H9 | H10 | H11 | L1  | L2<br>±0.1 | L3<br>±0.1 | W1  |
|------|----|-----|-----|-----|------------|------------|-----|
| 65   | 5  | 25  | 19  | 95  | 33         | 11         | 90° |
| 90   |    |     | 19  | 130 |            |            |     |
| 140  |    |     | 29  | 180 |            |            |     |
| 220  |    |     | 29  | 270 |            |            |     |

# Rotary indexing tables DHTG

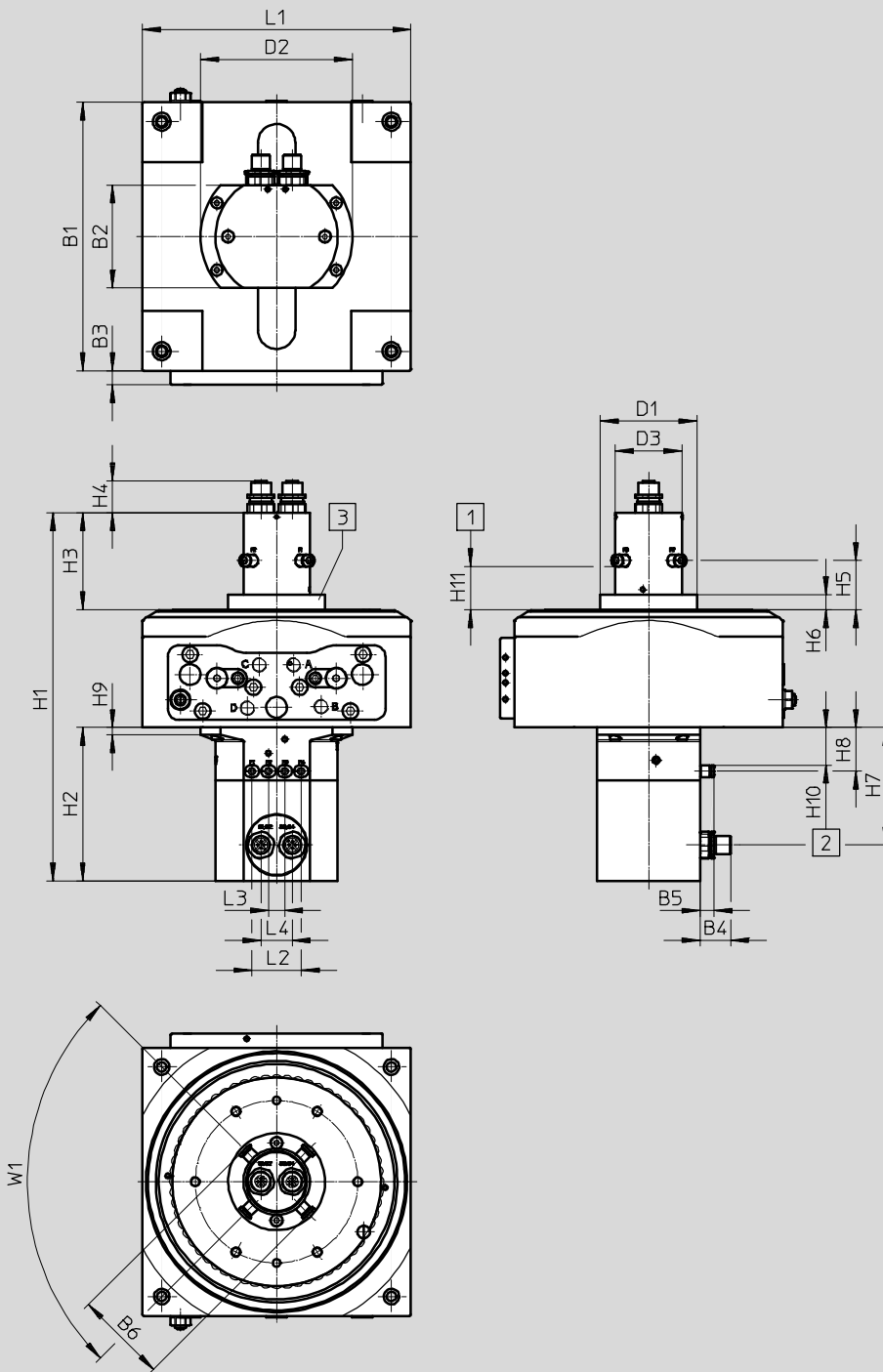
Technical data

FESTO

## Dimensions – Variants

Download CAD data → [www.festo.com](http://www.festo.com)

P4E4 – Pneumatic/electrical energy throughfeed



- 1 Maximum height on the rotary table
- 2 Maximum height on the mounting surface
- 3 Adapter plate only for size 140 and 220

## Rotary indexing tables DHTG

Technical data

**FESTO**

| Size | B1  | B2<br>±0.1 | B3  | B4<br>+3 | B5  | B6   | D1<br>Ø<br>±0.1 | D2<br>Ø | D3<br>Ø<br>±0.1 |
|------|-----|------------|-----|----------|-----|------|-----------------|---------|-----------------|
| 65   | 103 | 69         | 9.5 | 19       | 9.3 | 61.4 | –               | 102     | 44.5            |
| 90   | 130 |            | 9.5 |          |     |      | –               |         |                 |
| 140  | 180 |            | 9.5 |          |     |      | 65              |         |                 |
| 220  | 270 |            | 12  |          |     |      | 100             |         |                 |

| Size | H1  | H2<br>±0.1 | H3     | H4<br>+2 | H5      | H6<br>±0.1 | H7 | H8<br>±0.1 |
|------|-----|------------|--------|----------|---------|------------|----|------------|
| 65   | 213 | 103        | 55±0.1 | 17.5     | 23±0.05 | –          | 79 | 29.5       |
| 90   | 228 |            | 55±0.1 |          | 23±0.05 | –          |    |            |
| 140  | 247 |            | 65±0.2 |          | 33±0.15 | 10         |    |            |
| 220  | 257 |            | 65±0.2 |          | 33±0.15 | 10         |    |            |

| Size | H9 | H10 | H11 | L1  | L2<br>±0.1 | L3<br>±0.1 | L4 | W1  |
|------|----|-----|-----|-----|------------|------------|----|-----|
| 65   | 5  | 25  | 19  | 95  | 33         | 11         | 21 | 90° |
| 90   |    |     | 19  | 130 |            |            |    |     |
| 140  |    |     | 29  | 180 |            |            |    |     |
| 220  |    |     | 29  | 270 |            |            |    |     |

# Rotary indexing tables DHTG

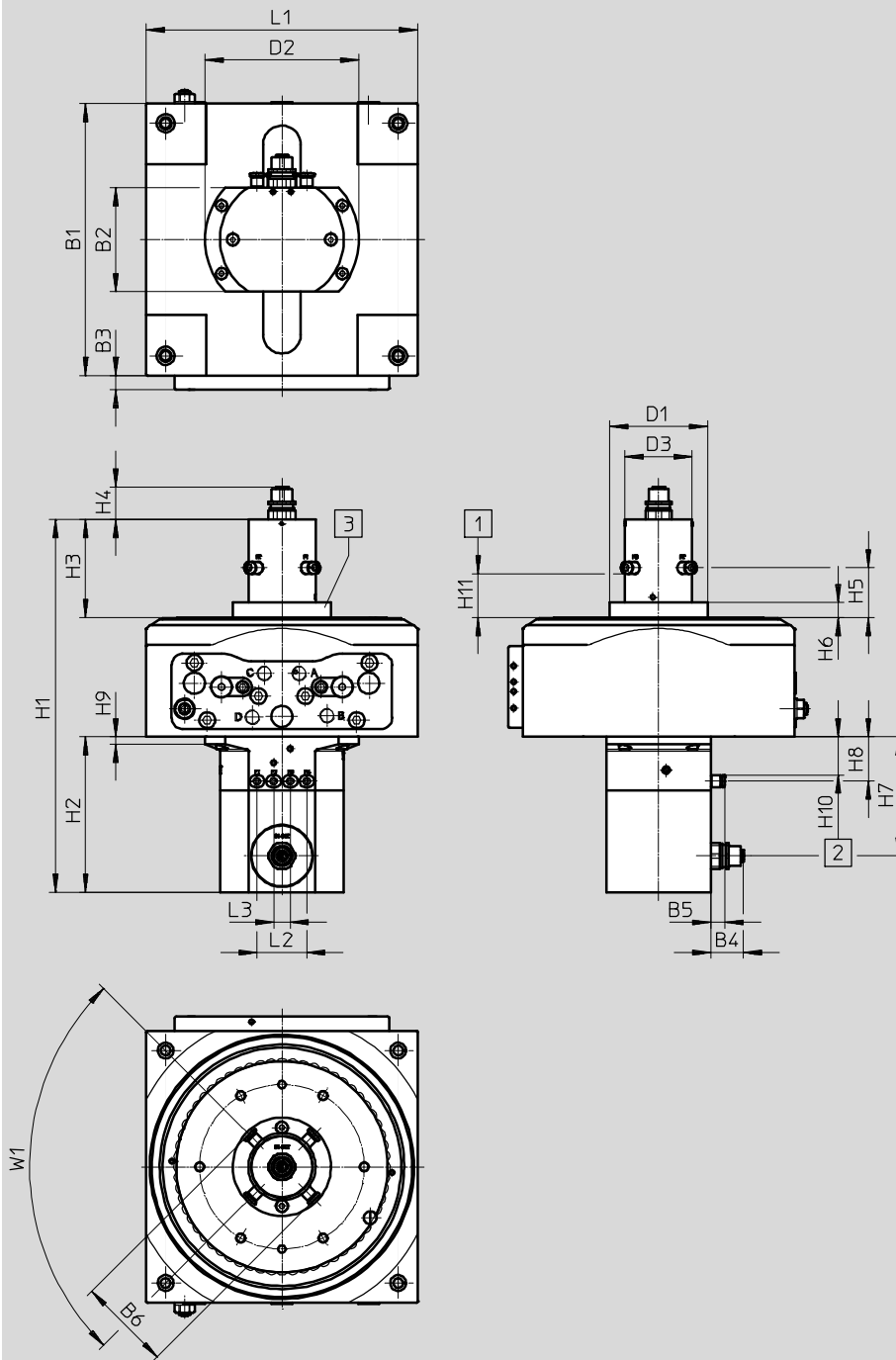
Technical data

FESTO

## Dimensions – Variants

Download CAD data → [www.festo.com](http://www.festo.com)

P4L12 – Pneumatic/electrical energy throughfeed





# Rotary indexing tables DHTG

Technical data

**FESTO**

| Size | B1  | B2<br>±0.1 | B3  | B4<br>+3 | B5  | B6   | D1<br>Ø<br>±0.1 | D2<br>Ø |
|------|-----|------------|-----|----------|-----|------|-----------------|---------|
| 65   | 103 | 69         | 9.5 | 17.5     | 9.3 | 61.4 | –               | 102     |
| 90   | 130 |            | 9.5 |          |     |      | –               |         |
| 140  | 180 |            | 9.5 |          |     |      | 65              |         |
| 220  | 270 |            | 12  |          |     |      | 100             |         |

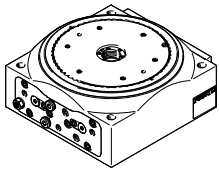
| Size | D3<br>Ø<br>±0.1 | H1  | H2<br>±0.1 | H3     | H4<br>+2 | H5      | H6<br>±0.1 | H7 |
|------|-----------------|-----|------------|--------|----------|---------|------------|----|
| 65   | 44.5            | 213 | 103        | 55±0.1 | 17.5     | 23±0.05 | –          | 79 |
| 90   |                 | 228 |            | 55±0.1 |          | 23±0.05 | –          |    |
| 140  |                 | 247 |            | 65±0.2 |          | 33±0.15 | 10         |    |
| 220  |                 | 257 |            | 65±0.2 |          | 33±0.15 | 10         |    |

| Size | H8<br>±0.1 | H9 | H10 | H11 | L1  | L2<br>±0.1 | L3<br>±0.1 | W1  |
|------|------------|----|-----|-----|-----|------------|------------|-----|
| 65   | 29.5       | 5  | 25  | 19  | 95  | 33         | 11         | 90° |
| 90   |            |    |     | 19  | 130 |            |            |     |
| 140  |            |    |     | 29  | 180 |            |            |     |
| 220  |            |    |     | 29  | 270 |            |            |     |

# Rotary indexing tables DHTG

Technical data

**FESTO**

| Ordering data                                                                     |      |          |          |               |
|-----------------------------------------------------------------------------------|------|----------|----------|---------------|
|                                                                                   | Size | Indexing | Part No. | Type          |
|  | 65   | 2        | 548076   | DHTG-65-2-A   |
|                                                                                   |      | 3        | 555448   | DHTG-65-3-A   |
|                                                                                   |      | 4        | 548077   | DHTG-65-4-A   |
|                                                                                   |      | 6        | 548078   | DHTG-65-6-A   |
|                                                                                   |      | 8        | 548079   | DHTG-65-8-A   |
|                                                                                   |      | 12       | 548080   | DHTG-65-12-A  |
|                                                                                   |      | 24       | 548081   | DHTG-65-24-A  |
|                                                                                   | 90   | 2        | 548082   | DHTG-90-2-A   |
|                                                                                   |      | 3        | 555449   | DHTG-90-3-A   |
|                                                                                   |      | 4        | 548083   | DHTG-90-4-A   |
|                                                                                   |      | 6        | 548084   | DHTG-90-6-A   |
|                                                                                   |      | 8        | 548085   | DHTG-90-8-A   |
|                                                                                   |      | 12       | 548086   | DHTG-90-12-A  |
|                                                                                   |      | 24       | 548087   | DHTG-90-24-A  |
|                                                                                   | 140  | 3        | 555450   | DHTG-140-3-A  |
|                                                                                   |      | 4        | 548088   | DHTG-140-4-A  |
|                                                                                   |      | 6        | 548089   | DHTG-140-6-A  |
|                                                                                   |      | 8        | 548090   | DHTG-140-8-A  |
|                                                                                   |      | 12       | 548091   | DHTG-140-12-A |
|                                                                                   |      | 24       | 548092   | DHTG-140-24-A |
|                                                                                   | 220  | 3        | 555451   | DHTG-220-3-A  |
|                                                                                   |      | 4        | 548093   | DHTG-220-4-A  |
|                                                                                   |      | 6        | 548094   | DHTG-220-6-A  |
|                                                                                   |      | 8        | 548095   | DHTG-220-8-A  |
|                                                                                   |      | 12       | 548096   | DHTG-220-12-A |
|                                                                                   |      | 24       | 548097   | DHTG-220-24-A |

# Rotary indexing tables DHTG

Ordering data – Modular product system

**FESTO**

| Ordering table              |                                         |               |               |               |                 |               |               |
|-----------------------------|-----------------------------------------|---------------|---------------|---------------|-----------------|---------------|---------------|
| Size                        | 65                                      | 90            | 140           | 220           | Condi-<br>tions | Code          | Entry<br>code |
| <b>M</b> Module no.         | <b>575738</b>                           | <b>575739</b> | <b>575740</b> | <b>575741</b> |                 |               |               |
| Product type                | DHTG G series                           |               |               |               |                 | <b>DHTG</b>   | DHTG          |
| Size                        | 65                                      | 90            | 140           | 220           |                 | -...          |               |
| Indexing                    | 2 indexing stations                     |               |               |               |                 | <b>-2</b>     |               |
|                             | 3 indexing stations                     |               |               |               |                 | <b>-3</b>     |               |
|                             | 4 indexing stations                     |               |               |               |                 | <b>-4</b>     |               |
|                             | 6 indexing stations                     |               |               |               |                 | <b>-6</b>     |               |
|                             | 8 indexing stations                     |               |               |               |                 | <b>-8</b>     |               |
|                             | 12 indexing stations                    |               |               |               |                 | <b>-12</b>    |               |
|                             | 24 indexing stations                    |               |               |               |                 | <b>-24</b>    |               |
| Position sensing            | Via proximity sensor                    |               |               |               |                 | <b>A</b>      | A             |
| <b>O</b> Energy throughfeed | None                                    |               |               |               |                 | -             |               |
|                             | Pneumatic, 4 ducts                      |               |               |               |                 | <b>-P4</b>    |               |
|                             | Pneumatic, 4 ducts; electric, 4 signals |               |               |               |                 | <b>-P4E4</b>  |               |
|                             | Pneumatic, 4 ducts; electric, 12 cables |               |               |               |                 | <b>-P4L12</b> |               |

Transfer order code

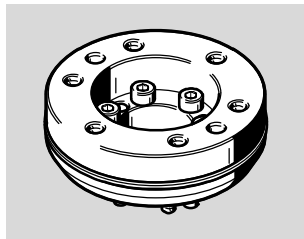
|  |      |   |  |   |  |   |   |  |
|--|------|---|--|---|--|---|---|--|
|  | DHTG | - |  | - |  | - | A |  |
|--|------|---|--|---|--|---|---|--|

# Rotary indexing tables DHTG

Accessories

FESTO

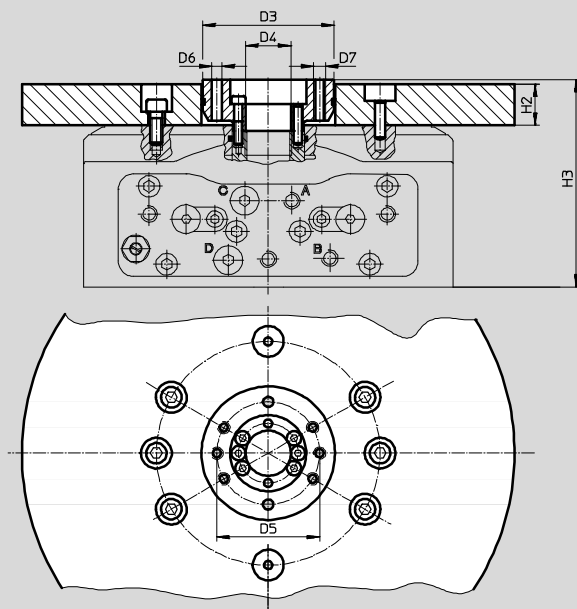
Adapter kit  
DADG-AK



## Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)

With rotary table and adapter kit DADG-AK for mounting a fixed plate



| Size        | D3<br>Ø<br>+0.2 | D4<br>Ø<br>+0.2 | D5<br>Ø | D6<br>Ø<br>H7 | D7 | H2<br>Max. | H3<br>±0.5 |
|-------------|-----------------|-----------------|---------|---------------|----|------------|------------|
| DADG-AK-65  | 29              | 5               | 20      | 4             | M4 | 15         | 72         |
| DADG-AK-90  | 39              | 9               | 30      | 4             | M4 | 15         | 87         |
| DADG-AK-140 | 64              | 22              | 50      | 5             | M6 | 20         | 101        |
| DADG-AK-220 | 104             | 58.4            | 90      | 6             | M8 | 20         | 111        |

## Ordering data – Adapter kit DADG-AK

|  | For size | Part No. | Type        |
|--|----------|----------|-------------|
|  | 65       | 555424   | DADG-AK-65  |
|  | 90       | 555425   | DADG-AK-90  |
|  | 140      | 555426   | DADG-AK-140 |
|  | 220      | 555427   | DADG-AK-220 |

# Rotary indexing tables DHTG

Accessories

FESTO

## Rotary distributors

GF-..., single

GF-...-2, multiple

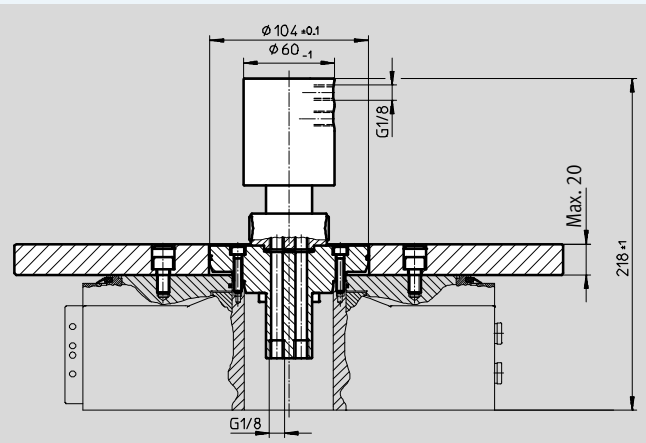
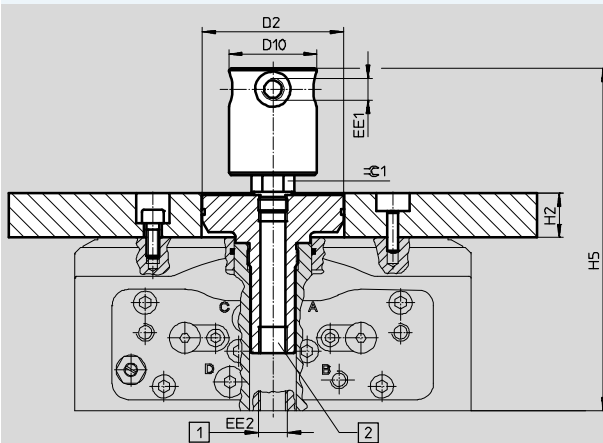


## Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)

With rotary distributor GF-... (single) and adapter kit DADG-AK-...

With rotary distributor GF-1/8-2 (multiple) and adapter kit DADG-AK-220-2G18  
– for size 220

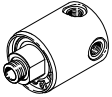


- 1 External supply port for DHTG-65/90
- 2 Internal supply port for DHTG-140/220

| Size                           | D2  | D10<br>Ø<br>+0.2 | EE1  | EE2  | H2<br>Max. | H5<br>±1 | ≈ 1 |
|--------------------------------|-----|------------------|------|------|------------|----------|-----|
| DADG-AK-65-1G18<br>GF-1/8-M5   | 29  | 40               | M5   | G1/8 | 15         | 127.5    | 17  |
| DADG-AK-90-1G18<br>GF-1/8-M5   | 39  | 40               | M5   | G1/8 | 15         | 142.5    | 17  |
| DADG-AK-140-1G14<br>GF-1/4-1/8 | 64  | 40               | G1/8 | G1/4 | 20         | 155.5    | 17  |
| DADG-AK-220-1G12<br>GF-1/2-1/4 | 104 | 60               | G1/4 | G1/2 | 20         | 187.5    | 27  |

## Ordering data

Rotary distributor GF

|                                                                                     | For size | Part No. | Type       |
|-------------------------------------------------------------------------------------|----------|----------|------------|
|  | Simple   |          |            |
|                                                                                     | 65, 90   | 539290   | GF-1/8-M5  |
|                                                                                     | 140      | 539291   | GF-1/4-1/8 |
|                                                                                     | 220      | 539292   | GF-1/2-1/4 |
|                                                                                     | Multiple |          |            |
|                                                                                     | 220      | 539287   | GF-1/8-2   |

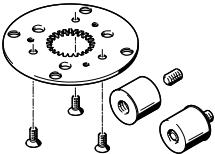
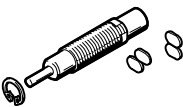
Adapter kit DADG-AK

|                                                                                     | For size | Part No. | Type             |
|-------------------------------------------------------------------------------------|----------|----------|------------------|
|  | Simple   |          |                  |
|                                                                                     | 65       | 555428   | DADG-AK-65-1G18  |
|                                                                                     | 90       | 555429   | DADG-AK-90-1G18  |
|                                                                                     | 140      | 555430   | DADG-AK-140-1G14 |
|                                                                                     | 220      | 555431   | DADG-AK-220-1G12 |
|                                                                                     | Multiple |          |                  |
|                                                                                     | 220      | 555432   | DADG-AK-220-2G18 |

# Rotary indexing tables DHTG

Accessories

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| Ordering data                                                                       |          |          |          |                |
|-------------------------------------------------------------------------------------|----------|----------|----------|----------------|
|                                                                                     | For size | Indexing | Part No. | Type           |
| Indexing conversion kit DADM-CK                                                     |          |          |          |                |
|    | 65       | 2        | 548098   | DADM-CK-65-2   |
|                                                                                     |          | 3        | 554389   | DADM-CK-65-3   |
|                                                                                     |          | 4        | 548099   | DADM-CK-65-4   |
|                                                                                     |          | 6        | 548100   | DADM-CK-65-6   |
|                                                                                     |          | 8        | 548101   | DADM-CK-65-8   |
|                                                                                     |          | 12       | 548102   | DADM-CK-65-12  |
|                                                                                     |          | 24       | 548103   | DADM-CK-65-24  |
|                                                                                     | 90       | 2        | 548104   | DADM-CK-90-2   |
|                                                                                     |          | 3        | 555445   | DADM-CK-90-3   |
|                                                                                     |          | 4        | 548105   | DADM-CK-90-4   |
|                                                                                     |          | 6        | 548106   | DADM-CK-90-6   |
|                                                                                     |          | 8        | 548107   | DADM-CK-90-8   |
|                                                                                     |          | 12       | 548108   | DADM-CK-90-12  |
|                                                                                     |          | 24       | 548109   | DADM-CK-90-24  |
|                                                                                     | 140      | 3        | 555446   | DADM-CK-140-3  |
|                                                                                     |          | 4        | 548110   | DADM-CK-140-4  |
|                                                                                     |          | 6        | 548111   | DADM-CK-140-6  |
|                                                                                     |          | 8        | 548112   | DADM-CK-140-8  |
|                                                                                     |          | 12       | 548113   | DADM-CK-140-12 |
|                                                                                     |          | 24       | 548114   | DADM-CK-140-24 |
|                                                                                     | 220      | 3        | 555447   | DADM-CK-220-3  |
|                                                                                     |          | 4        | 548115   | DADM-CK-220-4  |
|                                                                                     |          | 6        | 548116   | DADM-CK-220-6  |
|                                                                                     |          | 8        | 548117   | DADM-CK-220-8  |
|                                                                                     |          | 12       | 548118   | DADM-CK-220-12 |
|                                                                                     |          | 24       | 548119   | DADM-CK-220-24 |
| Reciprocating motion kit DADM-TK                                                    |          |          |          |                |
|  | 65       | -        | 548120   | DADM-TK-65     |
|                                                                                     | 90       |          | 548121   | DADM-TK-90     |
|                                                                                     | 140      |          | 563304   | DADM-TK-140    |
|                                                                                     | 220      |          | 563305   | DADM-TK-220    |

| Ordering data – Proximity sensor, inductive                                         |          |             |            | Technical data → Internet: sien |                 |
|-------------------------------------------------------------------------------------|----------|-------------|------------|---------------------------------|-----------------|
|                                                                                     | For size | Contact     | Connection | Part No.                        | Type            |
|  | 65, 90   | N/O contact | Plug       | 150371                          | SIEN-M5B-PS-S-L |
|                                                                                     |          | N/C contact | Plug       | 150375                          | SIEN-M5B-PO-S-L |
|                                                                                     | 140, 220 | N/O contact | Cable      | 150386                          | SIEN-M8B-PS-K-L |
|                                                                                     |          |             | Plug       | 150387                          | SIEN-M8B-PS-S-L |
|                                                                                     |          | N/C contact | Cable      | 150390                          | SIEN-M8B-PO-K-L |
|                                                                                     |          |             | Plug       | 150391                          | SIEN-M8B-PO-S-L |

| Ordering data – Connecting cables                                                   |                              |                              |                  | Technical data → Internet: nebu |                     |
|-------------------------------------------------------------------------------------|------------------------------|------------------------------|------------------|---------------------------------|---------------------|
|                                                                                     | Electrical connection, left  | Electrical connection, right | Cable length [m] | Part No.                        | Type                |
|  | Straight socket, M8x1, 3-pin | Cable, open end, 3-wire      | 2.5              | 541333                          | NEBU-M8G3-K-2.5-LE3 |
|                                                                                     |                              |                              | 5                | 541334                          | NEBU-M8G3-K-5-LE3   |
|  | Angled socket, M8x1, 3-pin   | Cable, open end, 3-wire      | 2.5              | 541338                          | NEBU-M8W3-K-2.5-LE3 |
|                                                                                     |                              |                              | 5                | 541341                          | NEBU-M8W3-K-5-LE3   |

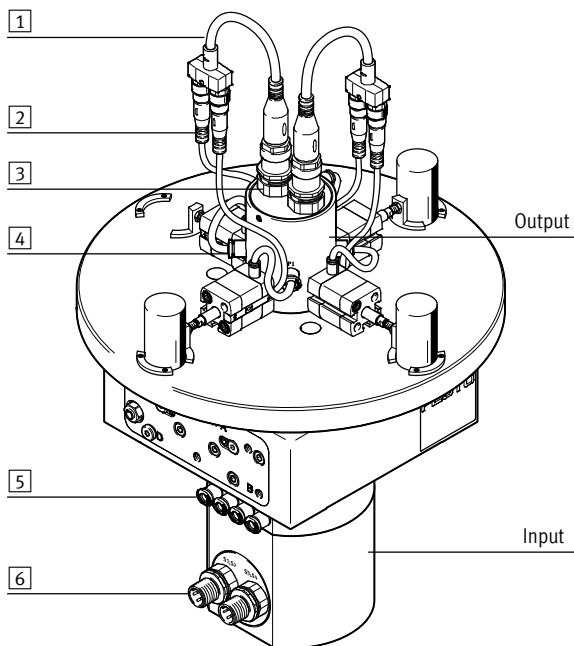
# Rotary indexing tables DHTG

Accessories

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## Wiring of the proximity sensor in combination with the energy throughfeed

Sample illustration using DHTG-...-P4E4



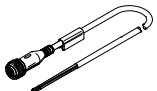
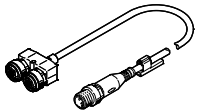
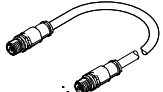
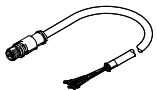
- 1 Y-distributor  
NEDY-L2R1-V1-...
- 2 Proximity sensor with plug
- 3 Electrical connection (output)
- 4 Supply port (output)
- 5 Supply port (input)
- 6 Electrical connection (input)



Note

For variant DHTG-...-P4E4, proximity sensors with plugs must be used for the attachments at the output. These are then connected to the energy throughfeed module using a Y-distributor.

## Ordering data – Connecting cables for proximity sensor

|                                                                                     | Electrical connection, left   | Electrical connection, right     | Suitable for use with energy chains | Cable length [m]  | Part No. | Type                           |
|-------------------------------------------------------------------------------------|-------------------------------|----------------------------------|-------------------------------------|-------------------|----------|--------------------------------|
| DHTG-...-P4E4                                                                       |                               |                                  |                                     |                   |          |                                |
| Input                                                                               |                               |                                  |                                     |                   |          |                                |
|  | Straight socket, M12x1, 5-pin | Cable, open end, 4-wire          | ■                                   | 2.5               | 550326   | NEBU-M12G5-K-2.5-LE4           |
|                                                                                     |                               |                                  |                                     | 5                 | 541328   | NEBU-M12G5-K-5-LE4             |
| Output                                                                              |                               |                                  |                                     |                   |          |                                |
|  | Straight plug, M12x1, 4-pin   | 2x straight sockets, M8x1, 3-pin | —                                   | 0.3 <sup>1)</sup> | 8032867  | NEDY-L2R1-V1-M8G3-U-M12G4-0.3R |
| DHTG-...-P4L12                                                                      |                               |                                  |                                     |                   |          |                                |
| Input/output                                                                        |                               |                                  |                                     |                   |          |                                |
|  | Straight plug, M12x1, 12-pin  | Straight plug, M12x1, 12-wire    | ■                                   | 0.3               | 3947404  | NEBS-SM12G12-E-0.3-N-M12G12    |
|  |                               | Cable, open end, 12-wire         | ■                                   | 0.5               | 3947401  | NEBS-SM12G12-E-0.5-N-LE12      |
|                                                                                     |                               |                                  |                                     | 5                 | 3947395  | NEBS-SM12G12-E-5-N-LE12        |

1) Cable lengths can be selected between 0.3 m and 30 m → Internet: nedy

## Ordering data – Rotary throughfeed

|  | Description                                                      | Part No. | Type          |
|--|------------------------------------------------------------------|----------|---------------|
|  | Spare part for energy throughfeed.<br>Can be replaced as needed. | 3920687  | DHAS-SCR12-H6 |