

# Rotary indexing table DHTG

FESTO

Compact  
and  
versatile



## Strong and attractively priced!

### Highlights

- Left, right and reciprocating motion
- Throughfeed for pneumatic and electrical energy
- Simple operation from one side
- Integrated overload protection
- Extremely efficient and economical concept

The pneumatic rotary indexing table DHTG is designed for partially automated systems, equipment buffers, swivel tasks and separation tasks. It offers high load-bearing capacity, precision and cost-effectiveness, and its compact design and user friendliness set new benchmarks.

#### Simple to install

Thanks to the stationary centre section with through-hole for cables and tubing. All connections/settings for compressed air, shock absorbers and sensors are accessible from one side. Simple operation guaranteed.

#### Simply fast and reliable

Thanks to the throughfeed for transferring pneumatic and electrical energy. Other advantages include the compact design and the fast, simple installation based on the plug and work principle.

#### Simply more flexible

The DHTG can be conveniently changed over to anticlockwise/clockwise rotation, and subsequently also to reciprocating motion, flexible operation or another indexing station.

#### Simpler handling

The DHTG provides safe, smooth and sinusoidal acceleration – and quiet operation. The overload protection in sizes 140 and 220 protects against mechanical damage.

#### Simply more economical

Less expensive overall than comparable electrical solutions, with simple planning and fast commissioning included as standard.

# Rotary indexing table DHTG

## Features

- Can be changed over to anticlockwise/clockwise rotation (delivery status: clockwise rotation)
- The kit enables flexible operation (clockwise/ anticlockwise rotation and reciprocating motion possible without the need for conversion)
- Stationary centre section and through-hole

## Indexing/indexing conversion

- Can be subsequently converted

## Sensing

- Inductive sensors integrated in the housing

## Cushioning

- End position cushioning can be adjusted via the shock absorber adjusting screw

## Overload protection

- Ensures that the table will not be exposed to excessive tangential forces during rotary operation – only in size 140 and 220

## Assembly

- Through-holes from the top of the housing
- Centring holes at the bottom of the housing

## Accessories

- Unmachined table tops
- Adapters for rotary distributors GF from Festo

## Guidance

- Adjustable sleeve bearing on the disc's outside diameter

## Flow control

- Flow control of the drive piston with integrated screw-in flow control valve

## New: the energy throughfeed

In the case of infinite rotary motions, electrical signals and/ or compressed air can be routed through the centre hole in the DHTG. The following variants are possible:

- Variant P4: 4 pneumatic ducts
- Variant P4E4: 4 pneumatic ducts and 4 permanently assigned sensor signals
- Variant P4L12: 4 pneumatic ducts and 12 freely selectable electrical lines



Technical data	DHTG-65	DHTG-90	DHTG-140	DHTG-220
Disc diameter [mm]	65	90	140	220
Indexing stations	2, 3, 4, 6, 8, 12, 24	2, 3, 4, 6, 8, 12, 24	3, 4, 6, 8, 12, 24	3, 4, 6, 8, 12, 24
Repetition accuracy [°]	< 0.03			
Max. planned parallelism [mm]	< 0.04			
Max. switching frequency [1/min]	20 ... 200			
Disc design	Rotating clamping disc with centre hole and additional stationary disc			
Centre hole diameter [mm]	8	8	22	58
Theoretical torque at 6 bar [Nm]	2.1	4.4	18.1	58.9
Max. perm. mass moment of inertia [kgcm <sup>2</sup> ]	150	300	3000	25,000