

# Pick and place machine HSP-16-AS

Part number: 533613

**FESTO**



## Data sheet

| Feature                                  | Value                                                              |
|------------------------------------------|--------------------------------------------------------------------|
| Size                                     | 16                                                                 |
| Y-stroke                                 | 90 mm ... 110 mm                                                   |
| Z-stroke                                 | 35 mm ... 50 mm                                                    |
| Z working stroke                         | 20 mm                                                              |
| Type code                                | HSP                                                                |
| Cushioning                               | Pneumatic shock absorber at both ends<br>Soft characteristic curve |
| Mounting position                        | Guide rail<br>Vertical                                             |
| Structural design                        | Actuator shaft<br>Cross guide<br>Positively driven motion sequence |
| Position sensing                         | For proximity sensor                                               |
| Protection against torsion/guide         | Cross guide                                                        |
| Minimum cycle time                       | 0.8 s                                                              |
| Repetition accuracy                      | ±0.01 mm                                                           |
| Operating medium                         | Compressed air as per ISO 8573-1:2010 [7:-:-]                      |
| Information on operating and pilot media | Operation with oil lubrication possible (required for further use) |
| Ambient temperature                      | 0 °C ... 60 °C                                                     |
| Max. driving torque on actuator shaft    | 2.5 Nm                                                             |
| Max. axial force at actuator shaft       | 30 N                                                               |
| Max. torque Mx dynamic                   | 2.4 Nm                                                             |
| Max. static moment Mx                    | 10 Nm                                                              |
| Max. torque My dynamic                   | 2.4 Nm                                                             |
| Max. static moment My                    | 10 Nm                                                              |
| Max. torque Mz dynamic                   | 2.4 Nm                                                             |
| Max. static moment Mz                    | 10 Nm                                                              |
| Max. payload                             | 1 kg                                                               |
| Max. radial force on actuator shaft      | 75 N                                                               |
| Theoretical force at 6 bar               | 50 N                                                               |
| Product weight                           | 3100 g                                                             |
| Front unit mounting                      | With through-hole                                                  |
| Type of mounting                         | With through-hole<br>With slot nuts                                |
| Note on materials                        | Free of copper and PTFE                                            |
| Base plate material                      | Wrought aluminum alloy                                             |
| Cross guide material                     | Tempered steel                                                     |

| Feature              | Value                  |
|----------------------|------------------------|
| Side covers material | Wrought aluminum alloy |