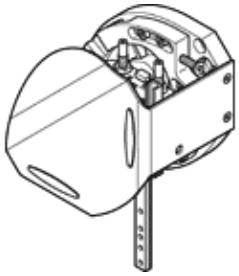
# Handling module
# HSW-12-AS-SD

Part number: 540233

FESTO

Pick and Place for repositioning parts at an angle of 90°, without actuator, with support and shaft, with protective cover.



## Data sheet

| Feature | values |
|---|---|
| Working stroke | 15 ... 25 mm |
| Size | 12 |
| Max. linear stroke at 90° swivel angle | 142/142 mm |
| Z stroke | 80 ... 100 mm |
| Cushioning | noise absorption through buffer |
| Assembly position | Any |
| Design structure | Drive shaft<br>linear guide plus rotating bearing<br>guided motion sequence |
| Position detection | For proximity sensor |
| Repetition accuracy, end positions | +/-0,02 mm |
| Ambient temperature | 0 ... 60 °C |
| Max. drive torque at drive shaft | 1.25 Nm |
| Max. axial force at drive shaft | 18 N |
| Max. torque Mx | 1.5 Nm |
| Max. torque My | 1.5 Nm |
| Max. torque Mz | 1.5 Nm |
| Maximum effective load | 1 kg |
| Max. radial force at drive shaft | 45 N |
| Maximum process force in Y direction | 35 N |
| Product weight | 3,000 g |
| Mounting type | With through-hole and centering sleeve |
| Materials note | Free of copper and PTFE |
| Material information, stops | High alloy steel |
| Materials information for cover | Wrought Aluminum alloy<br>Anodized |
| Material information, spring pressure piece | High alloy steel |
| Materials information for subbase | Wrought Aluminum alloy<br>Anodized |
| Material information, holder | Wrought Aluminum alloy<br>Anodized |
| Materials information for cross-guide | Heat-treatment steel |
| Material information, swivel lever | Case-hardened steel<br>Burnished |
| Material information, slotted guide plate | Case-hardened steel<br>Hardened |
| Material information, sensor rail | Wrought Aluminum alloy<br>Anodized |
| Material information, ridge | Wrought Aluminum alloy<br>Anodized |
| Material information, adjusting screw | High alloy steel |