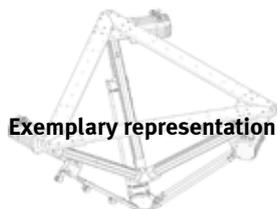


# parallel kinematic system EXPT-70-E1

Part number: 569798  
Product to be discontinued

FESTO



## Data sheet

Overall data sheet – Individual values depend upon your configuration.

| Feature                                  | Value                                         |
|------------------------------------------|-----------------------------------------------|
| Design structure                         | Tripod kinematics                             |
| Size                                     | 70                                            |
| Working space nominal diameter           | 700 mm                                        |
| Working space nominal height             | 100 mm                                        |
| Assembly position                        | Horizontal                                    |
| Motor type                               | Servomotor                                    |
| Duty cycle                               | 100 %                                         |
| Max. acceleration                        | 110 m/s <sup>2</sup>                          |
| Max. speed                               | 7 m/s                                         |
| Max. picking rate                        | 150 picks/min in 12" cycle                    |
| Maximum rated load                       | 5 kg                                          |
| Rated load with maximum dynamic response | 1 kg                                          |
| Positioning accuracy                     | ± 0,5 mm                                      |
| Track precision                          | ± 0,5 mm                                      |
| Repetition accuracy                      | ±0,1 mm                                       |
| Max. process force in Z direction        | 1,000 N                                       |
| Typical process force in Z direction     | 750 N: working-space diameter of up to 175 mm |
| Base weight of the kinematics            | 47.5 kg                                       |
| Max. frame strength horizontal           | 150 N                                         |
| Max. frame strength vertical             | 290 N                                         |
| Ambient temperature                      | 0 ... 40 °C                                   |
| Materials note                           | Contains PWIS substances<br>Conforms to RoHS  |
| PWIS criteria                            | Contains PWIS according to FN942010.          |