

Parallel kinematic (system) EXPT-120-E4

Part number: 569800

FESTO



 [General operating condition](#)

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Design	Parallel kinematic system
Size	120
Working space nominal diameter	1200 mm
Working space nominal height	100 mm
Mounting position	Horizontal
Type of motor	Servo motor
Duty cycle	100%
Max. acceleration	110 m/s ²
Max. speed	7 m/s
Max. picking rate	140 picks/min in 12" cycle
Max. nominal load	5 kg
Nominal load at max. 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	850 N
Typical process force in Z direction	750 N working space Ø up to 300 mm
Base weight of the kinematics	66 kg
Max. horizontal frame force	215 N
Max. vertical frame force	475 N
Ambient temperature	0 °C ... 40 °C
Note on materials	RoHS-compliant
LABS (PWIS) conformity	VDMA24364 zone III