

3FG15

Flexible, large-stroke 3-finger gripper



POWER UP PRODUCTION

- Flexible production - large-stroke optimizes CNC lathe-tending for multiple part sizes with a single 3-finger gripper
- Accurate centric positioning drives higher quality, consistency, and output with minimal programming
- Strong, stable grip and 3 contact points makes gripper fast and easy to redeploy for multiple processes
- Accomplish more with customizable fingertips to flexibly grip a wide range of part sizes and shapes

TECHNICAL SPECIFICATIONS

General Properties		Minimum	Typical	Maximum	Unit
Payload Force Fit		-	-	10 / 22	[kg] / [lb]
Payload Form Fit		-	-	15 / 33	[kg] / [lb]
Grip Diameter*	External	4 / 0.16	-	152 / 5.98	[mm] / [inch]
	Internal	35 / 1.38	-	181 / 7.12	[mm] / [inch]
Finger position resolution		-	0.1 / 0.004	-	[mm] / [inch]
Repetition accuracy		-	0.1 / 0.004	0.2 / 0.007	[mm] / [inch]
Gripping force		10	-	240	[N]
Gripping force (adjustable)		3	-	100	[%]
Gripping speed (diameter change)		-	-	125	[mm/s]
Gripping time (including brake activation)		-	500	-	[ms]
Hold workpiece if power loss?		Yes			
IP Classification		IP67			
Dimensions [L, W, Ø]		156 x 158 x 180 / 6.14 x 6.22 x 7.08			[mm] / [inch]
Weight		1.15 / 2.5			[kg] / [lb]