

SP1/SP2/SP3 Gecko Single Pad Gripper

TECHNICAL SPECIFICATIONS

General Properties		Unit
Maximum payload	SP1	1 / 2.2 [kg] / [lb]
	SP2	3 / 6.6 [kg] / [lb]
	SP3	5 / 11 [kg] / [lb]
Preload required	Minimum	SP1: 2.8 SP3: 8.2 SP5: 11.6 [N]
	Medium	SP1: 8.2 SP3: 23.4 SP5: 33 [N]
	Maximum	SP1: 13.3 SP3: 38.6 SP5: 54.4 [N]
Detachment time	100-1000 (dependent on robot speed)	[msec]
Holds workpiece on power loss?	Yes. How long? Potentially days if well centered and undisturbed	
IP Classification	IP42	
Dimensions (HxW)	69 x 71 / 2.7 x 2.8	[mm] / [inch]
Weight	SP1	0.267 / 0.587 [kg] / [lb]
	SP2	0.297 / 0.653 [kg] / [lb]
	SP3	0.318 / 0.7 [kg] / [lb]

Pads general properties		Unit
Material	Proprietary silicone blend	
Wear properties	Depends on surface roughness	
Change-out interval	~200.000	[cycles]
Cleaning systems	1) OnRobot cleaning station 2) Silicone roller 3) Isopropyl Alcohol and lint-free cloth	
Cleaning interval	variable	
Recovery	100%	



POWER UP PRODUCTION

- Compact, lightweight Gecko Single Pad Gripper requires no cables, electricity, air, or programming for **cost-effective, plug-and-play performance**
- Innovative adhesive gripper for flat, smooth, or perforated objects **automates tasks that were previously not possible**
- No-mark gripping even for shiny surfaces means no cleaning step is required, **saving time and improving productivity**
- No requirement for external air supply **reduces noise and dust, lowers maintenance costs, and speeds deployment**