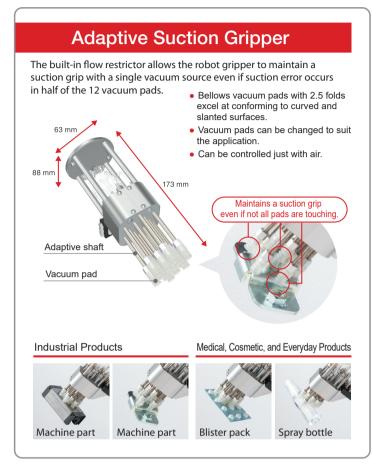
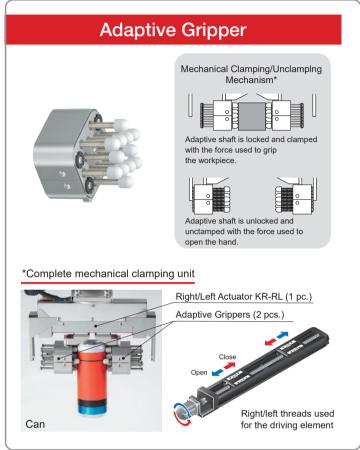


# Adaptive Gripper Series TNH

The Adaptive Gripper Series TNH is a general-purpose robot gripper that is both small and lightweight, capable of suctioning or gripping workpieces with complex shapes in a stable manner through its ability to adapt its form to the workpiece. The mounting flange can be installed on ISO-standard robots (ISO 9409-1-50-4-MS).

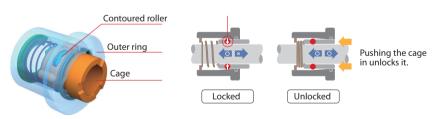


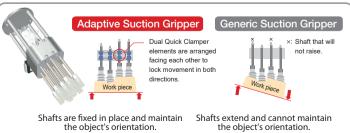


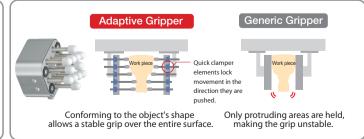
### **Operation Mechanism**

- Quick Clamper elements lock/unlock each shaft's movement.
- Each of the 12 shafts locks in place according to the shape of the workpiece.
- Even complex workpieces can be held via gripping or suction and transported/placed in the same orientation as they were when picked up.

### **Quick Clamper Element**









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### **Benefits**

### **Dedicated Grippers**

### Adaptive Gripper

Multiple grippers are needed for different work pieces.

One tool adapts to different workpiece shapes!



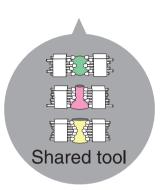




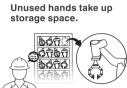
No need to change the shared tool!











Dedicated Gripper









Only using one type lowers costs!



# Specifications

Item		Adaptive Suction Gripper TNH04-V12-00	Adaptive Gripper TNH04-N12-00
Size		W: 88 mm, D: 63 mm, H: 173 mm	W: 60 mm, D: 65 mm, H: 65 mm
Mass		0.5 kg	0.3 kg
Shaft quantity		12	12
Shaft end	Shape	Bellows vacuum pad with 2.5 folds: $\phi$ 9	Dome-shaped: $\phi$ 9
	Material	Silicone rubber	Silicone rubber
Adaptive stroke		30 mm	20 mm
Max. reaction force when adapting (push position)		12 N (15 mm) 25 N (29 mm)	10 N
Grippable workpiece size		_	_
Permissible workpiece mass (for suction/gripping)		1 kg (approx.)	_
Axial load		_	Max. 10 N/shaft
Clamp/unclamp driving force		_	10 N
Clamp/unclamp mechanism		Air cylinder (Running air pressure: 0.3 Mpa to 0.7 Mpa)	Mechanical
Operating temperature range		0°C to 60°C	0°C to 60°C
Mounting specifications		ISO 9409-1-50-4-M6	_
Appearance			

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