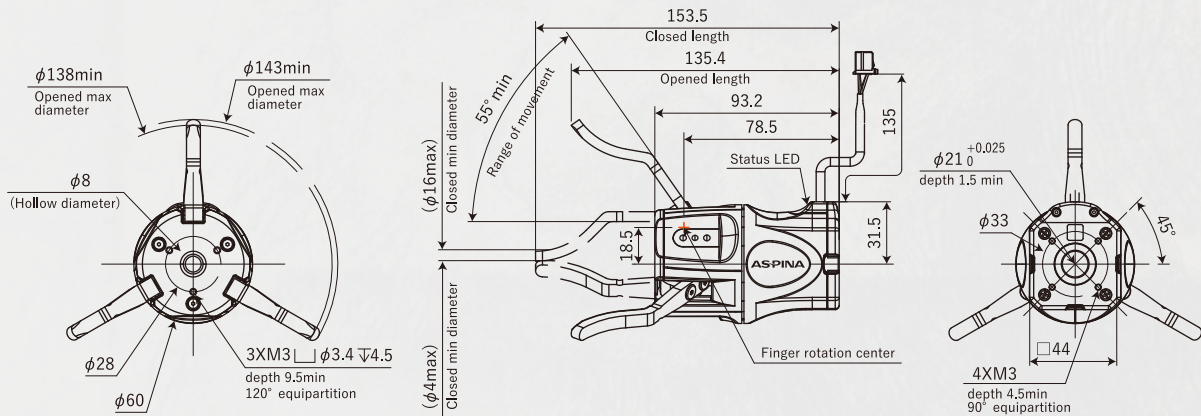


Specifications	
Maximum opened diameter	φ143mm
Gripping force *1	50N
Maximum workpiece weight *2	500g (The value varies by workpiece material)
Maximum workpiece weight *3	3,000g (The value varies by workpiece material)
Opening and closing speed	0.8~10sec
Maximum finger length	100mm
Positioning repeatability	±50um (no load)
Weight	640g
Dimensions	φ60 x 155mm
Lifetime	10 million cycles (no load)
Input voltage	24V±10%
Maximum current (rated operation)	0.6A Max peak
Digital I/F	Selectable 4 digital I/F from 4 inputs and 2 outputs
Input	●ON/OFF ●Home ●Operation ●Stop command, etc.
Output	●ON/OFF ●Ready/Busy ●Alarm ●Gripping range error signal, etc.
Serial I/F	RS-485 (Modbus RTU)
Indicator	Status LED (green/red/orange)
Protective function	●Voltage ●Temperature ●Parameter setting error, etc.
Operating ambient temperature	0~+40℃
Storage temperature	-10~+50℃
Robots connectivity	
Plug & Play / Mounting attachment	Universal robots, Techman robot, FANUC

*1. Measuring with one finger at 30mm *2. At 70mm distance from the finger rotation center. *3. At 30mm distance from the finger rotation center.

Outline



Contents

- Robotic gripper
- Cable (3m)
- Standard finger (Installed into robotic gripper)
- Finger fixing screw (Installed into robotic gripper)
- Non-slip tube for standard finger (For trial use.)

Options

(Please contact us for details about optional items.)

- Attachment and/or cable for robots from most major robot manufacturers



GET
A
GRIP!



Strong gripping force and wide opening range

A gripping force of 50N allows for lifting weights up to 3kg.
A wide opening diameter of 143mm enables handling of various workpieces.



Hollow channel structure

Tubes and cables can be passed through the hollow channel structure which makes it possible the use of additional equipment such as cameras, sensors and pneumatic tools.



Passive holding function

In case of a sudden electric power loss the gripper maintains its position mechanically to ensure the workpiece remains securely grasped.
The support of the mechanical holding function reduces the power consumption to a minimum.



Precise control

Torque, position and speed control are available.
Position and speed adjustments can be made in increments of 0.1%, and gripping force adjustments in increments of 0.5%.
Additional functions include 2 stage operation and grip detection.



Spherical objects

Small objects

Soft objects

Customization

The fingers can be easily replaced and their shapes can be customized.
Mounting surfaces allow the use of an optional finger, guide and other equipment.



TO GRASP EVERYTHING.

Plug&Play
(available in 2021)



UNIVERSAL ROBOTS UR +

TECHMAN
ROBOT

Techman



FANUC

ROBOTIC GRIPPER

Includes integrated controller
Plexmotion robotic gripper ARH350A

What is the new ADVANCE series?

ADVANCE is part of our Plexmotion series, a standard product brand available in small quantities and short lead time.
Since the brand introduction in 2010 Plexmotion has expanded the variety of stepper motors, drivers and controllers intended for applications in factory automation with great success.
The new ADVANCE series combines ASPINA's latest developments and control technologies with unique state of the art products.
With our ADVANCE, products we thrive to create new solutions and values for our customers.