

Application Area

Gripping and moving of small to medium-sized workpieces with flexible force and high speed in clean environments, such as assembly, testing, laboratory and pharmaceutical industry model in size, shape, and agility.

- ⊕ **Designed for UR 3, UR 5 or UR 10**
- ⊕ **The gripping force can be adjusted in four stages up to a maximum of 140 N**
- ⊕ **Easy to integrate with the existing electrical and mechanical tool interface from UR**
- ⊕ **Integrated proximity switches for position feedback**
- ⊕ **Easy mounting without removing the protective cover**



Advantages – Your benefit

Highest power density for the use of smaller gripper sizes

Digital actuation with binary signals for easy start-up and rapid integration into existing facilities

Two to four stage adjustable gripping force for simple adaption to sensitive workpieces

Very high maximum cycles per minute for highest productivity

Brushless DC servomotor for almost wear-free use and a long service life

Compact dimensions for minimal interfering contours in the application



SCHUNK Gripping System for Universal Robots

Electric 2-Finger Parallel Gripper | Small Part Gripper

Functional Description

Electric 2-finger parallel gripper with smooth-running base jaws guided on roller bearings. The powerhouse for small parts handling is a revolution in the field of mechatronic

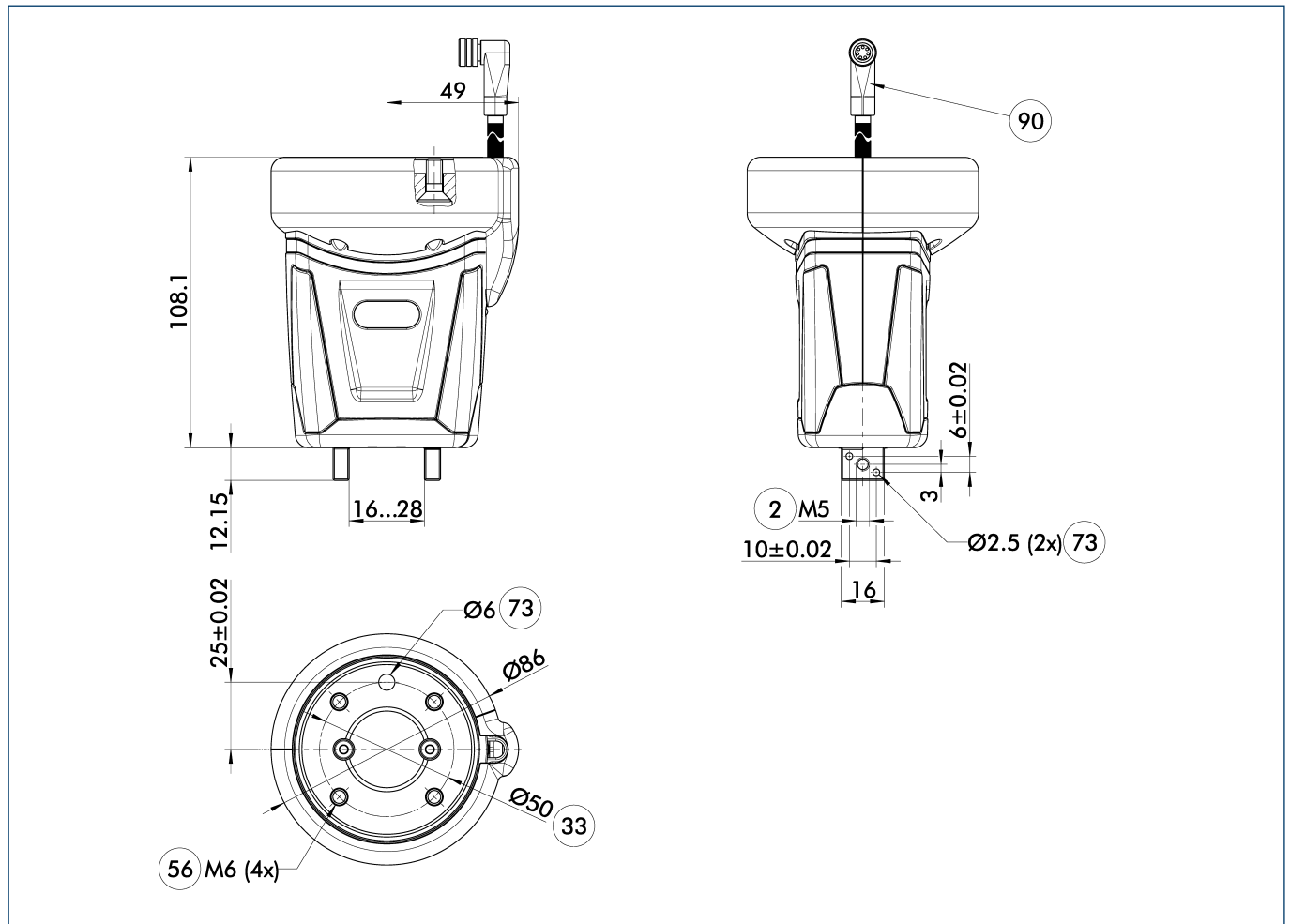
grippers. The gripper is easily controlled via digital inputs and outputs from the UR robot, and it can be assembled on the UR 3, UR 5 or UR 10.



Technical data

SCHUNK Gripping System for Universal Robots		
Description		
ID		1313563
Stroke per jaw	[mm]	6
Min./max. gripping force	[N]	35/140
Recommended workpiece weight	[kg]	0.7
Max. permitted finger length	[mm]	50
Max. permitted weight per finger	[kg]	0.08
Repeat accuracy	[mm]	0.02
Closing/opening time	[s]	0.2/0.2
Weight	[kg]	0.7
Min./max. ambient temperature	[°C]	5/55
IP protection class		30
Integrated controller electronics		
Nominal voltage	[V DC]	24
Nominal current	[A]	0.2
Max. power supply	[A]	0.5
Communication interface		Digital inputs and outputs
Number of digital inputs/outputs		2/2

Main view



The drawing shows the basic version of the gripper with open jaws.

- ① Delivery without fingers. Ask SCHUNK for standard or customized fingers.

Do you have a question regarding the technology, price or delivery time? We are looking forward to hearing from you.

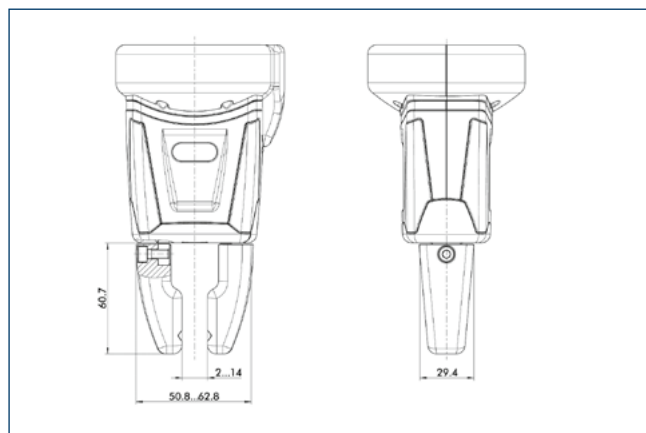
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- ② Finger connection
 ③ Flange EN ISO-9409-1-50-4-M6
 ⑤ Captive screws (included in the scope of delivery)
 ⑦ Centering pin (included in the scope of delivery)
 ⑨ Electrical connection to the robot for power supply and digital inputs and outputs

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Optional finger set



The drawing shows the optional finger set mounted on the basic version of the gripper with open jaws.

Universal fingers with rounded and smoothed edges which can be used for gripping by friction or shape connection. With the prism also round parts can be gripped.

Description		AUB EGP 40
ID		1007264
Scope of delivery		Set of two fingers and screws
Material		Polyamid PA2200 (color white)
Available stroke	[mm]	2 – 14