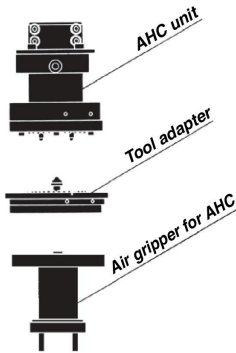


How to Order



MA 3 1 0 - Y A M5 - R3

- Auto hand changer**
- Work load**
3 Work load 5 kg
- Positioning**
1 Ball coupling
2 Curved coupling
- Operation**
0 Single acting
1 Double acting
- AHC unit**
- Air connection size**
M5 M5 x 0.8
- Robot adapter**

Robot adapter	Without robot adapter
R1	ø10
R2	ø11
R3	ø14
R4	ø15
R5	ø20
S6	ø24
R6	ø25

Applicable shaft diameter

Electric specifications	Soldering	D-sub connector
N	●	—
A	—	●
B	—	● (With socket side connector)
C	—	● (With socket side connector with 3 m cable)

Tool adapter

MA 3 10 - A M5

- Auto hand changer**
- Air connection size**
M3 M3 x 0.5
M5 M5 x 0.8
- Tool adapter**
- Series**
10 Ball coupling
20 Curved coupling
- Work load**
3 Work load 5 kg

Air gripper for AHC

<ø10/ø15>

MHR2-10-A310

Cylinder bore

10	10 mm
15	15 mm

For MA3
With adapter

<ø16/ø20>

MHZ2-16DN-A310-Y69A

Cylinder bore

16	16 mm
20	20 mm

For MA3
With adapter

Finger position

NII	Standard
N	Narrow type

Auto switch type

	Without auto switch
Y69A	D-Y69A (3-wire) Solid state auto switch Lead wire: Right angle entry Lead wire length: 0.5 m
Y69B	D-Y69B (2-wire)

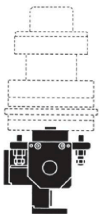
Auto switch additional symbol

* When using an air gripper for AHC, use tool adapter MA3₁0-AM3

NII	2 pcs.
S	1 pc.

90° reverse unit

MA310-R1-90A



90° reverse unit

Auto switch type

Auto switch type	Without auto switch	Reed auto switch	Solid state auto switch	Lead wire length: 0.5 m
NII	Without auto switch	—	—	—
90A	D-90 (2 pcs.)	—	—	—
90A	D-90A (2 pcs.)	—	—	—
S99	D-S991, D-S992 (1 pc. each)	—	3-wire	—
T99	D-T991, D-T992 (1 pc. each)	—	2-wire	—

* Can also be used for MA320 series.

Tool stand

MA310-S1-Y59A



Tool stand

Lead wire length

NII	Grommet	With 0.5 m lead wire
L	—	With 3 m lead wire

Auto switch type

Auto switch type	Without auto switch
Y59A	D-Y59A (3-wire) Solid state auto switch Lead wire: Axial direction entry
Y59B	D-Y59B (2-wire)

* Can also be used for MA320 series.

MHZ

MHF

MHL

MHR

MHK

MHS

MHC

MHT

MHY

MHW

-X□

MRHQ

MA

D-□