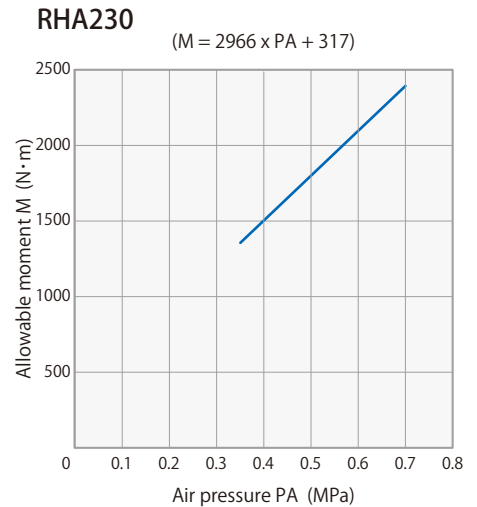




### Performance diagram



### Specifications

Model		RHA230	
Payload*1		kg	230
Allowable moment (Air pressure at 0.5 MPa)*2		N·m	1800
Allowable torque*2		N·m	1400
Tightening force	Air pressure at 0 MPa	kN	4.09
	Air pressure at 0.5 MPa	kN	23.23
Lift force	Air pressure at 0.5 MPa	kN	5.61
Repeatability		mm	0.01
Dimensions (Outer diameter × Height when connected)		mm	ø205 × 95.5
Mass	Master plate	g	8300
	Tool plate	g	3800
Air pressure for connecting/disconnecting operation		MPa	0.4~0.7
Connector for air	Number of ports (Size)	10 (Rc3/8)	
	Working pressure	MPa	-0.05~1
Operating temperature		°C	0~70

Option		Option symbol
Connector for air	Check valve model	<b>C</b>
	Add Rc1/8 × 2 ports	<b>A0</b>
Sensor for connecting / disconnecting		<b>SN</b> <b>SP</b>
Electric connector	10 points 3A / 1pc (with cable)	<b>E0</b>
	20 points 3A / 1pc (with cable)	<b>E00</b>
Circular electric connector	14 points 5A / 1pc	<b>E4</b>
	10 points 13A / 1pc	<b>E5</b>
Remote sensor*1	12 points (with cable)	<b>RN</b> <b>RP</b> <b>R</b>
	4 points (with cable)	<b>RN4</b> <b>RP4</b> <b>R4</b>

\*1: Select a model that does not exceed the allowable torque and movement, even if it was less than the payload.  
\*2: This value indicates the maximum. Select the right model so as not to exceed these values even for a split-second.

\*1: Refer to the web site of the company named B & Plus for details about the remote sensor.

### Model designation

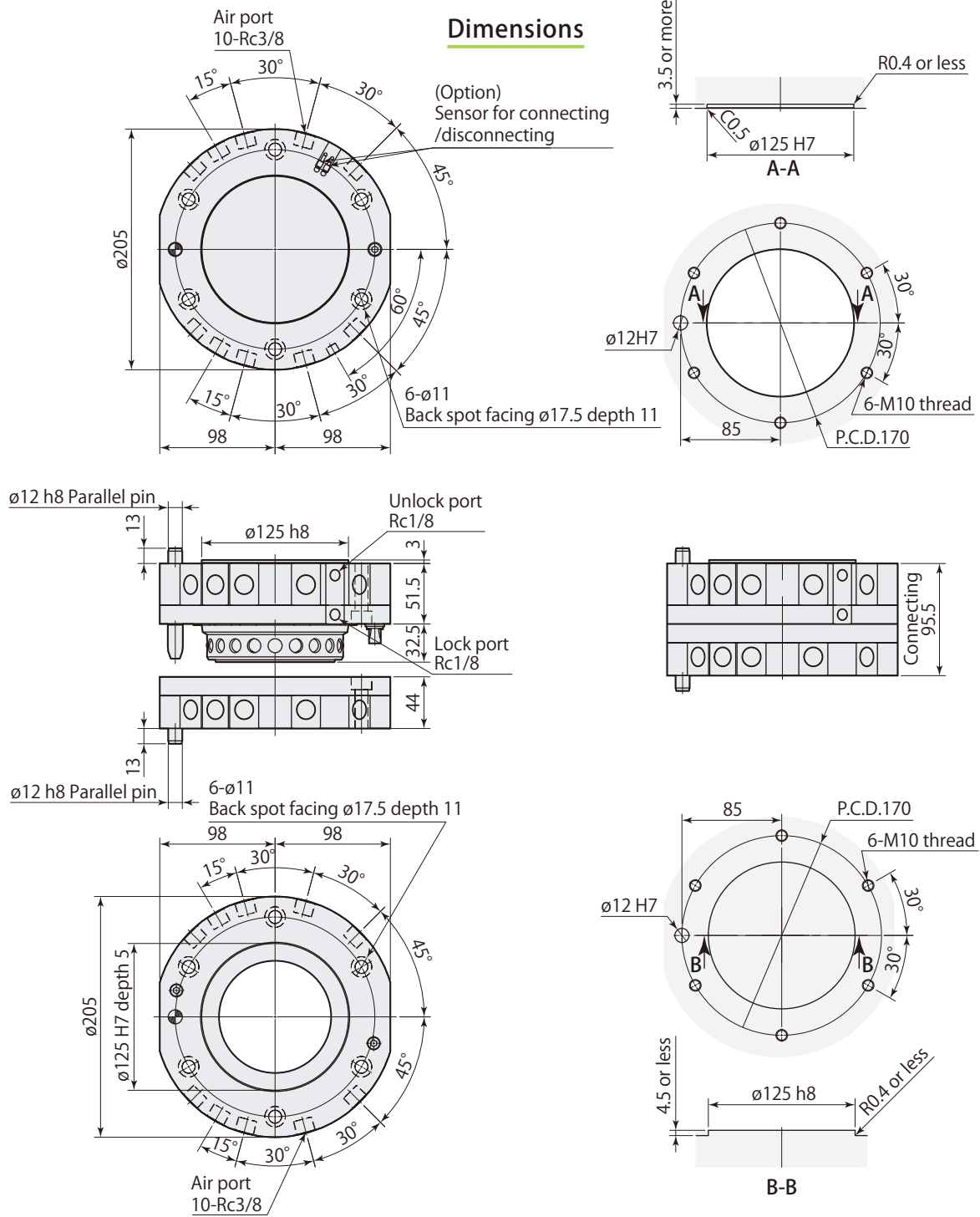
Master plate	<b>RHA 230 - M</b>	Connector for air(option)	<input type="checkbox"/>	Sensor for connecting / disconnecting (option)	<input type="checkbox"/>	Electric connector(option)	<input type="checkbox"/>
Tool plate	<b>RHA 230 - T</b>						

No symbol	Non check valve	No symbol	Sensor none	No symbol	Connector None	<b>RN</b>	Master plate side Remote sensor (NPN output) × 12 points
<b>C*</b>	Check valve model	<b>SN*</b>	NPN output	<b>E0*</b>	3A × 10 points	<b>RP</b>	Master plate side Remote sensor (PNP output) × 12 points
<b>A0</b>	Add Rc1/8 × 2	<b>SP*</b>	PNP output	<b>E00</b>	3A × 20 points	<b>R</b>	Remote sensor of tool plate side × 12 points
* : Master plate only		* : Master plate only		<b>E4</b>	5A × 14 points	<b>RN4</b>	Master plate side Remote sensor (NPN output) × 4 points
				<b>E5</b>	13A × 10 points	<b>RP4</b>	Master plate side Remote sensor (PNP output) × 4 points
						<b>R4</b>	Remote sensor of tool plate side × 4 points

\* : Air connector A0 accepts only E0

## Dimensions



## Options



**C** Connector for air  
Check valve model

**A0** Connector for air  
Add Rc1/8×2

**SN** NPN  
**SP** PNP  
Sensor for connecting/  
disconnecting

**E0**  
**E00** Electric connector  
3A×10/20 points (with cable)

**E4** Circular electric connector  
5A×14 points

**E5** Circular electric connector  
13A×10 points

**RN** Master plate side NPN  
**RP** Master plate side PNP  
**R** Tool plate side  
Remote sensor  
12 points (with cable)

**RN4** Master plate side NPN  
**RP4** Master plate side PNP  
**R4** Tool plate side  
Remote sensor  
4 points (with cable)

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