

# LOW SPEED CYLINDERS

## Twin Rod Cylinders

Operating speed range  
**1~200** mm/s  
 [0.04~7.87in./sec.]



### Order Codes

Cylinder bore size		Stroke	Sensor switch	Lead wire length	Number of sensor switches																						
6 : $\phi$ 6 [0.236in.]	10 : $\phi$ 10 [0.394in.] 16 : $\phi$ 16 [0.630in.] 20 : $\phi$ 20 [0.787in.] 25 : $\phi$ 25 [0.984in.] 32 : $\phi$ 32 [1.260in.]	10, 20, 30, 40, 50 10, 20, 30, 40, 50, 60, 70 10, 20, 30, 40, 50, 60, 70, 80, 90, 100	Blank : No sensor switch ZC130 : 2-lead wire, Solid state type ZC153 : 3-lead wire, Solid state type CS5T : Without indicator lamp, Reed switch type <sup>Note1</sup> CS11T : With indicator lamp, Reed switch type <sup>Note1</sup> ZE135 : 2-lead wire, Solid state type ZE155 : 3-lead wire, Solid state type	ZE235 : 2-lead wire, Solid state type ZE255 : 3-lead wire, Solid state type ZE101 : Without indicator lamp, Reed switch type <sup>Note1</sup> ZE102 : With indicator lamp, Reed switch type <sup>Note1</sup> ZE201 : Without indicator lamp, Reed switch type <sup>Note1</sup> ZE202 : With indicator lamp, Reed switch type <sup>Note1</sup>	A : 1000mm [39in.] B : 3000mm [118in.]  1 : With 1 sensor switch 2 : With 2 sensor switches																						
<b>T</b> - <input type="checkbox"/> <b>DA</b>			<table border="1"> <tr> <td>6<sup>Note2</sup></td> <td>×</td> <td>Blank -ZC130 -ZC153 -CS5T -CS11T</td> <td>A</td> <td>1</td> </tr> <tr> <td>10</td> <td>×</td> <td>Blank -ZE135 -ZE101</td> <td rowspan="2">A</td> <td rowspan="2">1</td> </tr> <tr> <td>16</td> <td>×</td> <td>-ZE135 -ZE102</td> </tr> <tr> <td>20</td> <td>×</td> <td>-ZE155 -ZE201</td> <td rowspan="2">B</td> <td rowspan="2">2</td> </tr> <tr> <td>25</td> <td>×</td> <td>-ZE235 -ZE202</td> </tr> <tr> <td>32</td> <td>×</td> <td>-ZE255</td> </tr> </table>	6 <sup>Note2</sup>	×	Blank -ZC130 -ZC153 -CS5T -CS11T	A	1	10	×	Blank -ZE135 -ZE101	A	1	16	×	-ZE135 -ZE102	20	×	-ZE155 -ZE201	B	2	25	×	-ZE235 -ZE202	32	×	-ZE255
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※ The double rod cylinder is not available. In addition, the cylinder for clean systems requires special specifications. For details, consult us.  
 Notes: 1. If using reed-type sensor switches, maintain an operating speed of 30mm/s [1.2in./sec.] or higher.  
 2. When using  $\phi$ 6 [0.236in.] bore size at 1mm/s [0.04in./sec.], apply air pressure of 0.4MPa [58psi.] or more.

**T** : Twin Rod Cylinder (Only for  $\phi$ 6 [0.236in.]  
**TB** : Twin Rod Cylinder B series

Low speed type

- Except the items listed below, all outer dimensions, cylinder specifications, sensor switch specifications, and handling instructions are the same as the standard product. For details, see p.744.
  1. Operating speed range: 1~200mm/s [0.04~7.87in./sec.]
  2. Lubrication prohibited