

New

Tie rod type hydraulic cylinder which can be used at high temperatures

14MPa Heat Resisting Hydraulic Cylinder H8BT1 / 1R series



Standard
Heat-resistant
Max.150°C

Switch set
Heat-resistant
Max.130°C



- The standard type (without a switch) can be used up to 150°C, while the switch set (SW013 switch) can be used up to 130°C.
- A PTFE series combination seal is used for the sliding parts.
- Can support a large number of variations in the 70/140H-8 series.

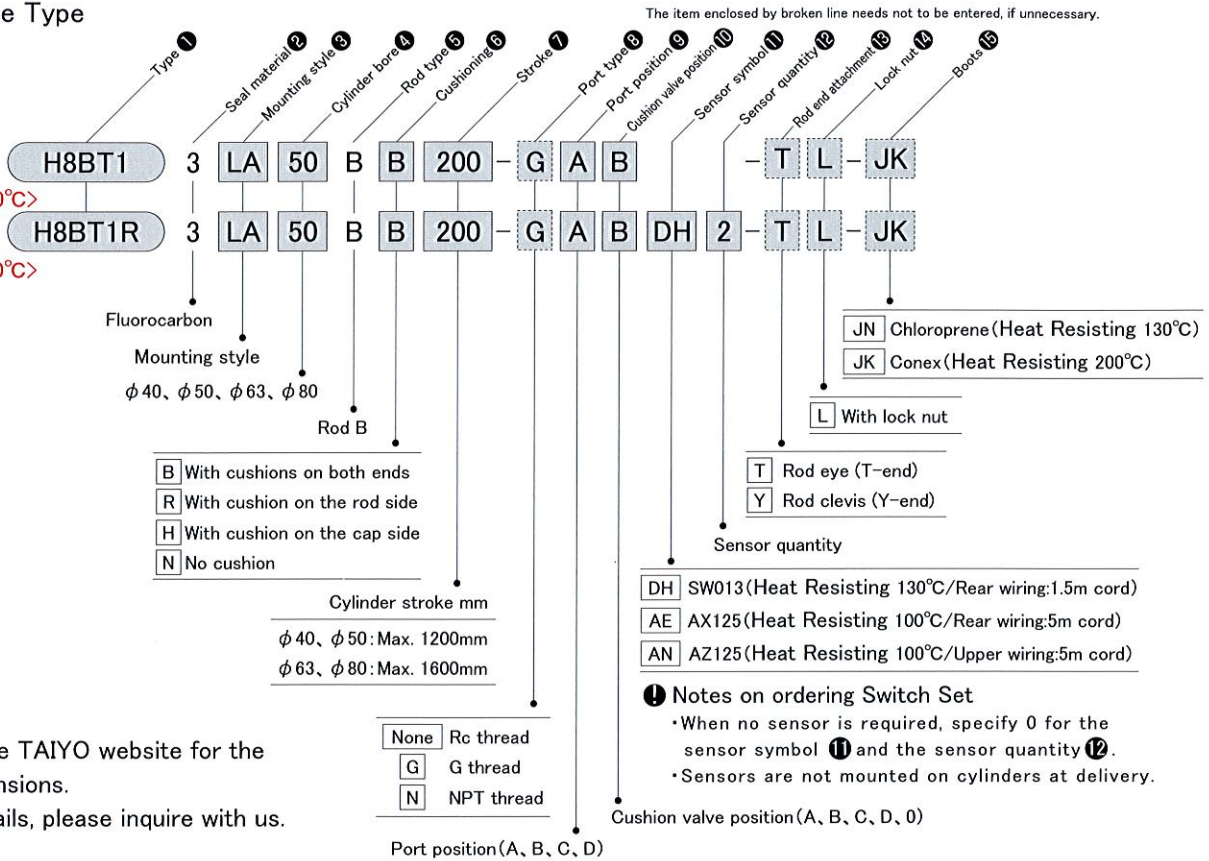
Standard Specifications

Type Series	Standard type H8BT1	Switch Set H8BT1R
Nominal pressure	14MPa	
Maximum allowable pressure	18MPa	
Proof test pressure	21MPa	
Minimum operating pressure	0.45MPa or less	
Working speed range	φ 40 — φ 63 : 1 — 400mm/s φ 80 : 1 — 300mm/s	
Working temperature range (ambient temperature)	-10 to +150°C	SW013 : -10 to +130°C AX125/AZ125 : -10 to +100°C
Cushion detail	Metal fitting system	
Adaptable fluid	Petroleum-based fluid · Phosphateester fluid	
Seal material	Fluorocarbon	
Tolerance for thread	JIS 6g/6H	
Tolerance of stroke	100mm or less +0.8/0 101 — 250mm+1.0/0 251 — 630mm+1.25/0 631 — 1000mm+1.4/0 1001 — 1600mm+1.6/0	
Tube material	Carbon steel for machine structural use	Stainless steel
Mounting style	SD/LA/LC/FC/FD/FK/FY/FZ/CA/CB/TA/TC	
Rod type	Rod B	
Accessories	● Rod eye (T-end) ● rod clevis (Y-end) with pin ● lock nut ● Boots (Chloroprene, Conex)	

How to order

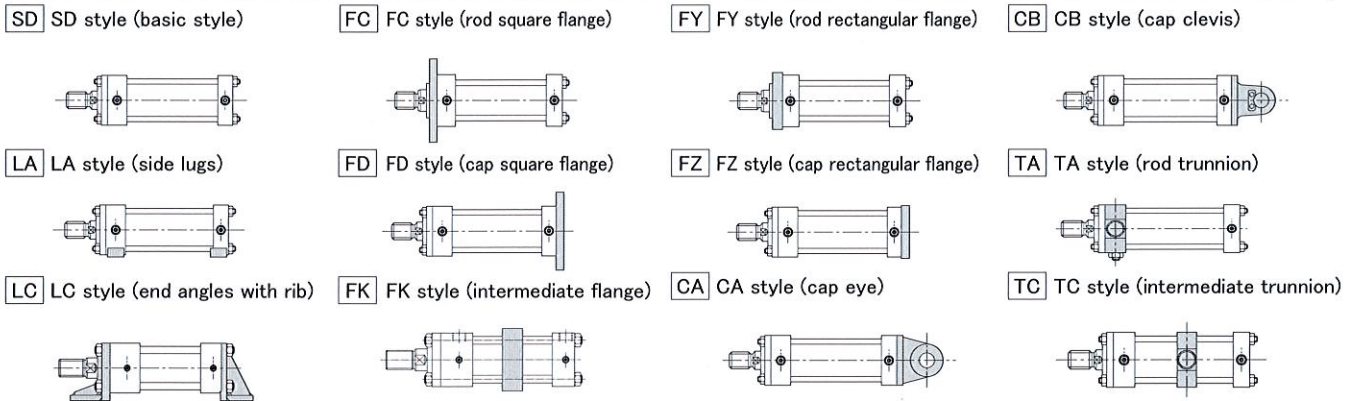
General Purpose Type

- Standard
<Heat resistance 150°C>
- Switch set
<Heat resistance 130°C>



★ Please see the TAIYO website for the external dimensions.
For other details, please inquire with us.

Mounting style

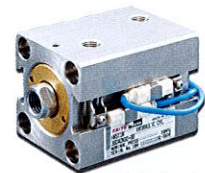


Note) LC type and FC type are not available with an inner diameter of φ 80.

Also supports the compact type

16MPa Heat Resisting Compact Cylinder HRST1 Series

Type/Series	Standard/HRST1	Switch set/HRST1R
Nominal pressure	16MPa	
Bore	φ 32 · φ 40 · φ 50 · φ 63 · φ 80	
Working temperature range	-10 — +150°C	-10 — +130°C



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Information in this document is subject to change without notice.

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