

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 • Phosphate ester 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

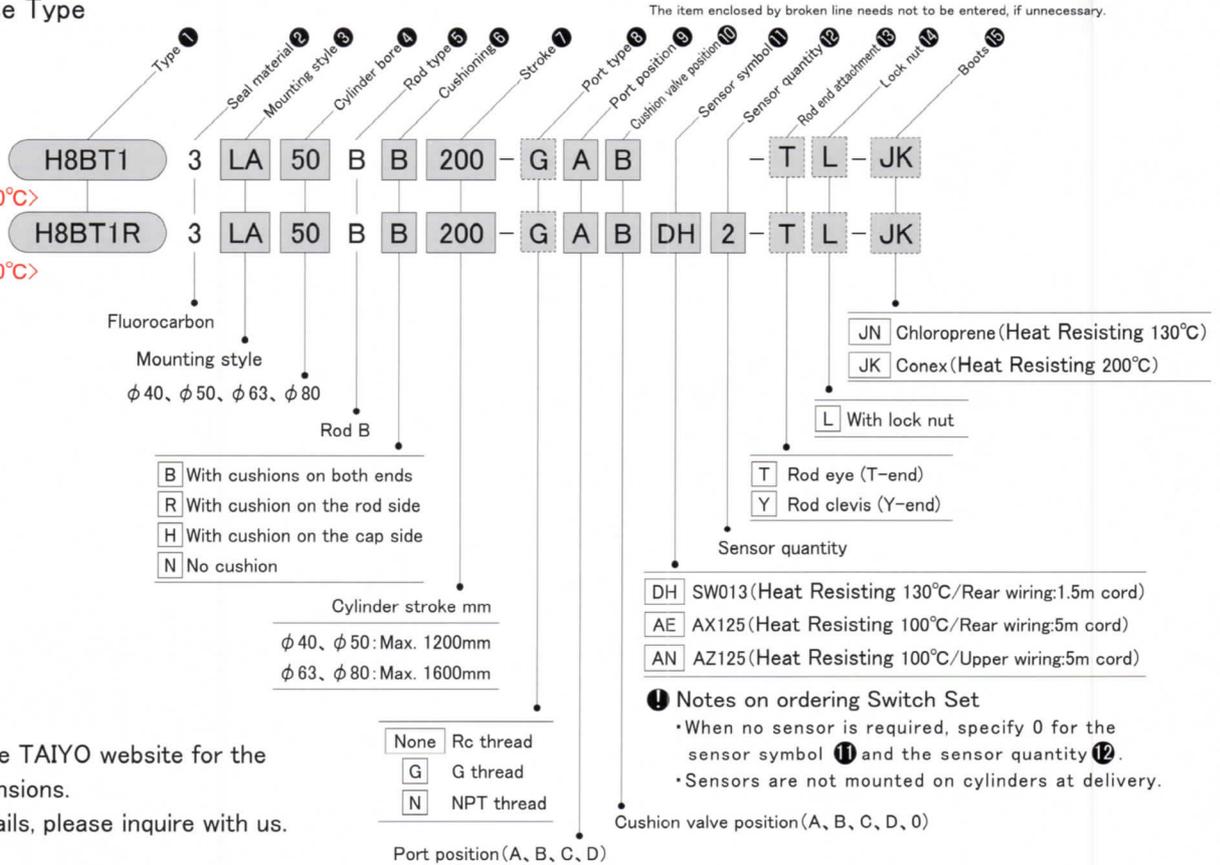
General Purpose Type

● Standard

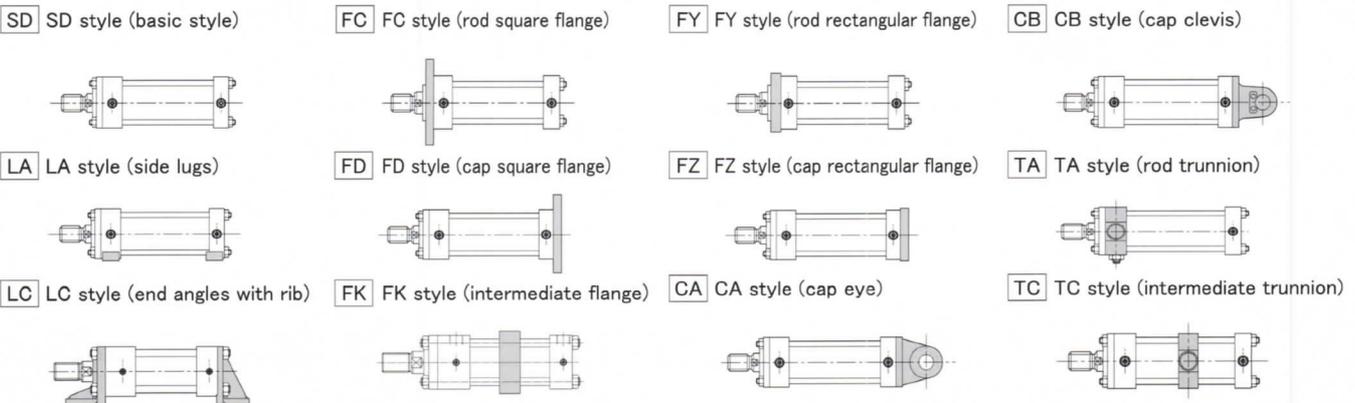
<Heat resistance 150°C>

● Switch set

<Heat resistance 130°C>



Mounting style



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

Also supports the compact type

16MPa Heat Resisting Compact Cylinder HRST1 Series

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



TAIYO, LTD.

Head Office: 1-1-1 Kitaeguchi, Higashiyodogawa-ku, Osaka 533-0002 Japan
 URL: <http://www.taiyo-ltd.co.jp>

Global Sales & Marketing Department
 1-1-1 Kitaeguchi, Higashiyodogawa-ku, Osaka 533-0002 Japan
 Phone: +81-6-6340-3090 Fax: +81-6-6340-9508
 URL: <http://www.taiyo-ltd.co.jp/eg>

● For further information:

CONTACT CENTER

E-mail: econcent.taiyo@parker.com
 Phone: +81-6-6340-3090

USA

TAIYO AMERICA, INC.
 CORPORATE OFFICE (Plant)
 1702 E. Spring St. St. Marys, Ohio 45885 U.S.A.
 Phone: +1-419-300-8811 Fax: +1-419-300-9765
 (Branch: Illinois / Ohio / Kentucky / Tennessee)

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Information in this document is subject to change without notice.

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