Parker TAIYO

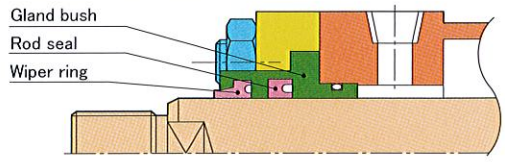
Needs & Quality

Newly Launched 70/140H-8 with Strengthened Bearing Specifications "MBH"!

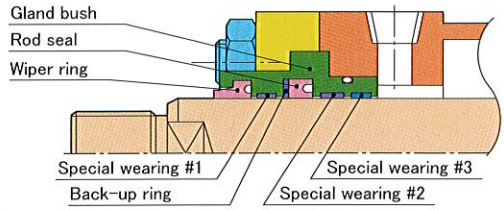
- Special wear-resistant, high load bearing wearing used for the sliding part of gland bush.
- Load resistance of the bearings is 3 times that of Taiyo's own standard products (this is as per the comparative study performed in our company's laboratory hence not guaranteed.)
- Fully compatible with Taiyo's 70/140H-8 series. Connection dimensions and external dimensions are exactly same.
- The option where performance of gland part (bearing part) is enhanced without losing the high performance of 70/140H-8 series.
- Arrangement format (1) of 70/140H-8 series is used as it is. Specify "MBH specifications" at the end of arrangement format.

Note (1): Refer to Taiyo's hydraulic pressure catalog 70/140H-8.

TAIYO Standard Gland Bush Part



Strengthened Bearing Specifications "MBH" Gland Bush Part



Lines

Unit:mm

Structure	Type	Rod dia.	Seal	φ32	φ40	φ50	φ63	φ80	φ100	φ125	φ140	φ150	φ160
General purpose type / Double acting Single rod	Standard type 70/140H-8	Rod B	Urethane rubber Nitrile rubber	●	●	●	●	●	●	●	●	●	●
		Rod C			●	●	●	●	●	●	●	●	●
		Rod A					●	●	●	●			
	Switch set 70/140H-8R	Rod B	Urethane rubber Nitrile rubber	●	●	●	●	●	●	●	●		
		Rod C			●	●	●	●	●	●	●		
		Rod A				●	●	●	●	●			

Note)★Packing selection is urethane rubber and nitrile rubber. Please note that Fluorine, hydrogenated nitrile rubber are not used.

Standard Specifications

Type	General purpose type	
Nominal pressure	7MPa	14MPa
Maximum allowable pressure	Cap side:9MPa Rod side:(A)15MPa (B)13.5MPa (C)11MPa	Cap side:18MPa Rod side:(A)18MPa (B)18MPa (C)14MPa
Proof test pressure	10.5MPa	21MPa
Minimum operating pressure	Cap side:0.3MPa or less Rod side:(A)0.6MPa or less (B)0.45MPa or less (C)0.4MPa or less	
Working speed range	φ32～φ63:8 to 400mm/s φ80～φ125:8 to 300mm/s φ140～φ160:8 to420mm/s	
Working temperature range (ambient temperature)	Standard type ····· −10 to +80°C Switch set AX type ··· −10 to +70°C (No freezing)	
Structure of cushioning	Metal Fitting system	
Adaptable fluid	Petroleum-based fluid (Phosphoric acid ester based fluid cannot be used)	
Tolerance for thread	JIS 6g/6H	
Tolerance of stroke	0 to 100mm +0.8/0 101 to 250mm +1.0/0 251 to 630mm +1.25/0 631 to 1000mm +1.4/0 1001 to 1600mm +1.6/0 1601 to 2000mm +1.8/0	
Mounting style	SD/LA/LB/LC/FA/FB/FC/FD/FK/FE/FY/FZ/CA/CB/CS/TA/TC	SD/LA/LC/FC/FD/FK/FE/FY/FZ/CA/CB/CS/TA/TC
Accessries	●Rod eye (T-end) , rod eye with spherical bearing(S-end), rod clevis (Y-end) with pin, lock nut ●Floating joint(F-end):Only 7MPa type ●Boots:Only general purpose type Standard:Nylon tarpaulin/Semi-Standard:Chloroprene,Conex	

★Dimensions are exactly the same as of 70/140H-8 series. Refer to the supported format dimensions chart of hydraulic pressure comprehensive catalog 70/140H-8 series.

Terminolgies

Nominal pressure

Pressure given to a cylinder for convenience of naming.
It is not always the same as the working pressure(rated pressure)that guarantees performance under the specified conditions.

Maximum allowable pressure

The maximum allowable pressure generated in a cylinder.(surge pressure,etc)

Proof test pressure

Test pressure against which acylinder can withstand without unreliable performance at the return to nominal pressure.

Minimum operating pressure

The minimum pressure that a cylinder placed horizontally without aload can work.

Standard Stroke Range

Unit:mm

Bore	Standard type	Switch set
φ32 to φ50	1200	1200
φ63・φ80	1600	1600
φ100 to φ140	2000	2000
φ150・φ160	2000	—

・Please consult with us for strokes longer than those mentioned in above chart.
・Requirement of load buckling should be judged separately. Refer to the buckling chart for "selection materials" for hydraulic comprehensive catalog.

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