



活塞杆密封件

Rod Seal Catalogue

Company Profile

Established in Xiamen in 2001, Xiamen TuoYan Seals Technology Co., Ltd. specializes in the research and development of sealing solutions and sealing components for fluid power systems. The company integrates research and development, production, and sales, and has complete production and testing equipment, including CNC machining centers, CNC lathes, large hydraulic presses, computer-controlled sintering furnaces, flat vulcanizing machines, precision injection molding machines, fully automatic fiber impregnation machines, and laminating machines.

Our company is certified with ISO 9001:2015, and we continually invest in product development and innovation to provide customers with high-quality products and exceptional sealing solutions. We have received high praise from customers both domestically and internationally. We have established three subsidiary companies, each specializing in producing premium sealing components in different sealing domains.

Xiamen TYS Seals Technology Co.,Ltd.

Focuses on the production and development of rubber, polyurethane, and polytetrafluoroethylene (PTFE) seals.

Add. : No.9-5-1, Xingmei Road, Jimei District, Xiamen,Fujian China.361022

Tel : 0592-6192018 Fax:0592-6192019

Email:tys@tysseals.com

TYS Seals Technology(WuPing) Co.,Ltd.

Specializes in the production and development of composite material products, including phenolic fabric wear rings, bushings, and bearing cages.

Add. : No.117, Huan Cheng South Road, Wuping County,Longyan City,Fujian China.

Tel : 0597-4802088

Xiamen JingHengYan Sealing Technology Co.,Ltd.

Focuses on the production and development of metal end-face seals, specifically floating seal products.

Add. : No.37-4-1,Xinyuan Road, Jimei District,Xiamen,Fujian China.










Tel : 0592-6192029

TYS Seals Technology (Guangzhou) Co.,Ltd.

Sales Center

Add. : 11-1237 Zhuji international machinery center , No.36 Zhuji road Tianhe district
Guangzhou

Tel : 020-32380255 Fax:020-3238-0377

Code	Section	Fucntion	Limited Condition			Page
			Pressure (MPa)	Speed (m/s)	Temp. (°C)	
						
MPA		Rod Seals (Single Acting)	40	0.5	-45°C +120°C	17 20
MPB		Rod Seals (Single Acting)	40	0.5	-45°C +120°C	17 20
MPR		Rod Seals (Single Acting)	40	0.5	-45°C +120°C	17 20
MPS		Rod Seals (Single Acting)	40	0.5	-45°C +120°C	17 20
HBY		Rod Seals (Single Acting)	40	0.5	-30°C +110°C	21
HBYS		Rod Seals (Single Acting)	40	3	-30°C +110°C	22
GSJ		Rod Seals (Single Acting)	40	3	-30°C +110°C	23 25
GSI		Rod Seals (Double Acting)	40	5	-45°C +200°C	26 28

Sealing Component Storage Guidelines and Recommended Shelf Life

Storage Recommendations :

Stock Control	Follow the First- In-First-Out (FIFO) principle
Optimal Temp.	Seals should be kept away from heat sources like direct sunlight and heat-emitting objects. The maximum storage temperature is +32°C. Low temperatures won't cause permanent damage to the seals but can make them brittle, leading to potential breakage if mishandled. Generally, the storage temperature for seals should not go below +10°C, and they should be brought to room temperature before installation.
Avoid strong light	Surfaces should be shielded from direct sunlight and artificial light sources to prevent exposure to ultraviolet radiation.
Moisture control	Special care should be taken during storage, and the ambient humidity should not exceed 65%. Some specific polyurethane seals that are sensitive to moisture should be stored in sealed containers
Keep away from oxygen and ozone	Ozone and oxygen are harmful to seals. Seals should be stored in sealed containers. Any equipment that generates sparks should be kept away from the storage containers.
Keep away from	For seals to have a longer storage life, they should be kept away from contaminants. The warehouse should be kept clean.
Avoid distortion	Large seals should be stored flat instead of hanging, as prolonged hanging can cause distortion. Seals should not be placed on hooks, nails, or metal plates.

Recommended Shelf Life :

化合物名称	Compounds	Shelf Life
Aflas [®]	FEPDM	7 Years
乙丙橡胶	EP,EPR, EPDM	7 Years
氟橡胶	FKM	7 Years
丁腈橡胶	NBR,HNBR, XNBR	7 Years
聚氨酯	AU or EU	10 Years
聚酯弹性体	TPCE	10 Years
聚四氟乙烯	PTFE	Unlimited



活塞杆主油封/ Rod seals

MPA 型



Design Description:

The MPA type is an asymmetric lip seal with a tight-fitting outer diameter and a recessed inner lip. It exhibits excellent static and dynamic sealing performance, along with the ability to effectively draw back residual oil. Its advantages include:

- Excellent static and dynamic sealing performance
- Good oil back-draw capability
- Minimal deformation
- Easy installation

MPB 型



Design Description:

The MPB type is a tight-fitting, polyurethane lip seal with multiple oil grooves on the inner lip. Its design ensures excellent lubrication, preventing dry friction and wear, while offering good oil back-draw capability. Its advantages include:

- Excellent static and dynamic sealing performance
- Low friction and smooth sliding performance at high and low speeds
- Good oil back-draw capability
- Minimal deformation

MPR 型



Design Description:

The MPR type is a double-lip seal for piston rods, featuring two sealing lips tightly fitted on the outer diameter. The additional lubricant between the two lips effectively prevents dry friction and wear. Its advantages include:

- Excellent static and dynamic sealing performance
- Ample lubrication provided by the pressure medium between the inner sealing lips
- Improved sealing under zero pressure
- Exceptional prevention of external air and contaminants infiltration



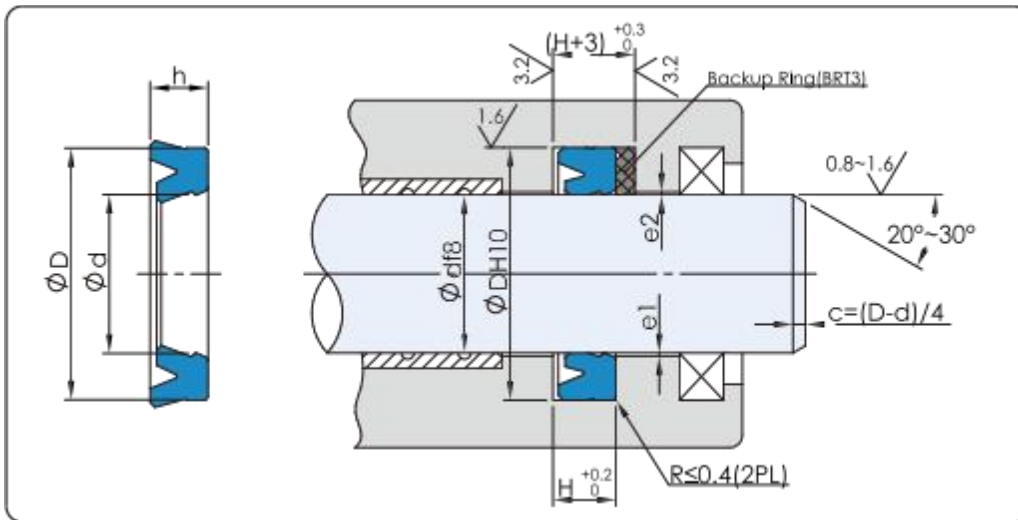
MPS 型



The MPS type is the result of advancements in lip seal technology. It combines the advantages of a highly elastic Quard ring and a lip sealing material with excellent wear resistance.

This specialized sealing component, primarily used in mobile equipment, incorporates the unique structure of the Quard ring. The Quard ring ensures a preloading effect on the sealing lips under low pressure or vacuum conditions. It exhibits minimal sensitivity to temperature variations, and even with some degree of wear, it maintains the necessary preloading effect. The lips are loaded as the system pressure increases, with the pressure transmitted to the lips through the compressed deformation of the Quard ring. The advantages of the MPS seal include:

- Insensitivity to vibration loads and pressure spikes.
- High resistance to extrusion.
- Ideal sealing performance under no-load and low-temperature conditions.
- Suitable for the most demanding operating conditions.



Max extrusion gap (e1mm)

截面宽 Depth S	16MPa	25MPa	40MPa
4	0.4	0.3	0.15
5	0.5	0.4	0.2
7.5	0.55	0.45	0.25
10	0.6	0.5	0.3

最大工作压力 (for pressures)	14MPa	21MPa	35MPa
垫片材料 (Backup Ring Material)	聚四氟乙烯(PTFE)		
e2	e1+0.5	e1+0.25	e1+0.1
最大工作压力 (for pressures)	35MPa	42MPa	70MPa
垫片材料 (Backup Ring Material)	尼龙(NYLON)		
e2	e1+0.4	e1+0.2	e1+0.1

Technical Specification:

压力/Pressure	40MPa			
速度/Speed	0.5m/s			
材料/Material (PU)	U3091	U4031	U2051	U2041
温度/Temperature(°C)	-45+100	-35+100	-25+120	-30+120
介质/Media	矿物基液压油/MineralBaseHydraulicOil			

Order Method:
MPR-D*d*h U2041



活塞杆主油封/Rod seals

Specification:

d	D	h	H
14	22	5	5.7
16	24	5	5.7
16	24	5.7	6.3
18	26	5	5.7
18	26	5.7	6.3
20	28	5	5.7
20	28	5.7	6.3
20	28	6.3	7
22	30	5	5.7
22	30	5.7	6.3
22	30	6.3	7
25	33	5	5.7
25	33	5.7	6.3
25	33	6.3	7
25	35	6	7
28	36	5	5.7
28	36	5.7	6.3
28	36	6.3	7
28	38	6	7
28	38	7	8
30	38	5	5.7
30	38	5.7	6.3
30	38	6.3	7
30	40	6	7
30	40	7	8
30	40	8	9
32	40	6.3	7
32	42	6	7
32	42	7	8
32	42	8	9
35	43	6.3	7
35	45	6	7
35	45	7	8
35	45	8	9
36	46	6	7
36	46	7	8
36	46	8	9
38	48	6	7
38	48	7	8
38	48	8	9
40	50	6	7

d	D	h	H
40	50	7	8
40	50	8	9
40	55	9	10
40	53	10	11
45	55	6	7
45	55	7	8
45	55	8	9
45	60	9	10
45	58	10	11
45	60	11.4	12.5
50	60	6	7
50	60	7	8
50	60	8	9
50	65	9	10
50	63	10	11
50	65	11.4	12.5
53	63	6	7
53	63	7	8
53	63	8	9
55	65	6	7
55	65	7	8
55	65	8	9
55	70	9	10
55	68	10	11
55	70	11.4	12.5
56	71	11.4	12.5
60	70	6	7
60	70	7	8
60	70	8	9
60	75	9	10
60	73	10	11
60	75	11.4	12.5
63	73	6	7
63	73	7	8
63	73	8	9
63	78	9	10
63	78	11.4	12.5
65	75	6	7
65	75	7	8
65	75	8	9
65	80	9	10

d	D	h	H
65	78	10	11
65	80	11.4	12.5
70	80	6	7
70	80	7	8
70	80	8	9
70	85	9	10
70	83	10	11
70	85	11.4	12.5
71	81	6	7
71	81	7	8
71	81	8	9
75	85	6	7
75	85	7	8
75	85	8	9
75	90	9	10
75	88	10	11
75	90	11.4	12.5
80	90	6	7
80	90	7	8
80	90	8	9
80	95	9	10
80	93	10	11
80	95	10	11
80	95	11.4	12.5
80	100	12	13
85	100	9	10
85	98	10	11
85	100	10	11
85	100	11.4	12.5
85	105	12	13
90	105	9	10
90	105	10	11
90	105	11.4	12.5
90	110	12	13
95	110	9	10
95	110	10	11
95	110	11.4	12.5
95	115	12	13
100	115	9	10
100	115	10	11
100	115	11.4	12.5

活塞杆主油封/Rod seals



d	D	h	H
100	120	12	13
100	120	15	16
105	120	9	10
105	120	10	11
105	125	12	13
105	125	15	16
110	125	9	10
110	125	10	11
110	130	10	11
110	130	12	13
110	130	15	16
115	130	9	10
115	130	10	11
115	135	12	13
115	135	15	16

d	D	h	H
120	135	9	10
120	135	10	11
120	140	10	11
120	140	12	13
120	140	15	16
120	140	15	16
125	140	9	10
130	145	9	10
130	150	12	13
130	150	15	16
135	150	9	10
140	155	9	10
140	160	12	13
140	160	15	16
145	160	9	10

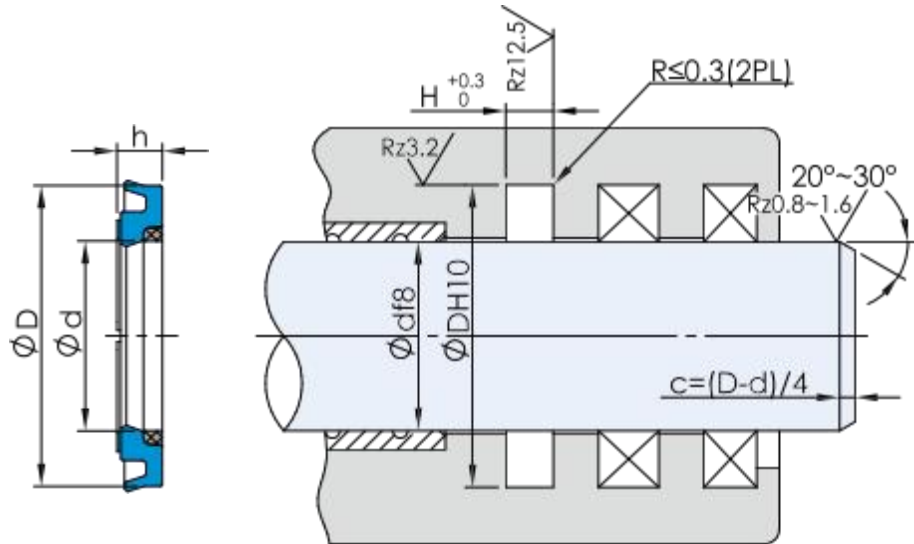
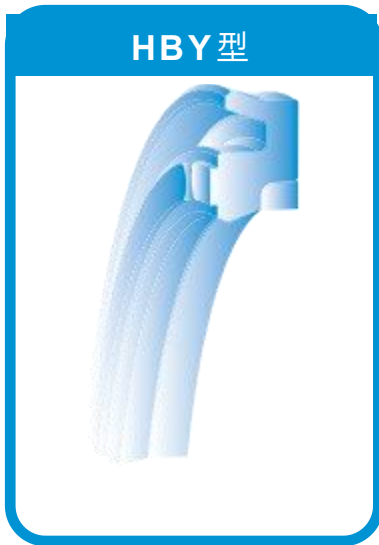
d	D	h	H
150	165	9	10
150	170	12	13
150	170	15	16
155	170	9	10
160	175	9	10
160	180	12	13
160	180	15	16
170	190	12	13
170	190	15	16
180	200	12	13
180	200	15	16
190	210	12	13
190	210	15	16
200	220	12	13
200	220	15	16

Inch Dimension:

mm				inch			
d	D	h	H	d	D	h	H
38.1	47.62	9.53	10.3	1.500	1.875	0.375	0.413
44.45	53.97	9.53	10.3	1.750	2.125	0.375	0.413
50.8	60.32	9.53	10.3	2.000	2.375	0.375	0.413
57.15	66.67	9.53	10.3	2.250	2.625	0.375	0.413
38.1	50.8	9.53	10.5	1.500	2.000	0.375	0.413
44.45	57.15	9.53	10.5	1.750	2.250	0.375	0.413
50.8	63.5	9.53	10.5	2.000	2.500	0.375	0.413
57.15	69.85	9.53	10.5	2.250	2.750	0.375	0.413
63.5	76.2	9.53	10.5	2.500	3.000	0.375	0.413
69.85	82.55	9.53	10.5	2.750	3.250	0.375	0.413
76.2	88.9	9.53	10.5	3.000	3.500	0.375	0.413
82.55	95.25	9.53	10.5	3.250	3.750	0.375	0.413
88.9	101.6	9.53	10.5	3.500	4.000	0.375	0.413
95.25	107.95	9.53	10.5	3.750	4.250	0.375	0.413
101.6	114.3	9.53	10.5	4.000	4.500	0.375	0.413



HBY型活塞杆密封/Rod seals



Design Description :

HBY combined with rod seals, to absorb impact and surge pressure under heavy load in order to separate high temperature fluids and improve the service life of the seal element.

Technical specification:

- Max speed : 0.5m/ s
- Max pressure : 40Mpa
- Temperature range : -30 ~ 110°C
- MAT: NY+PU

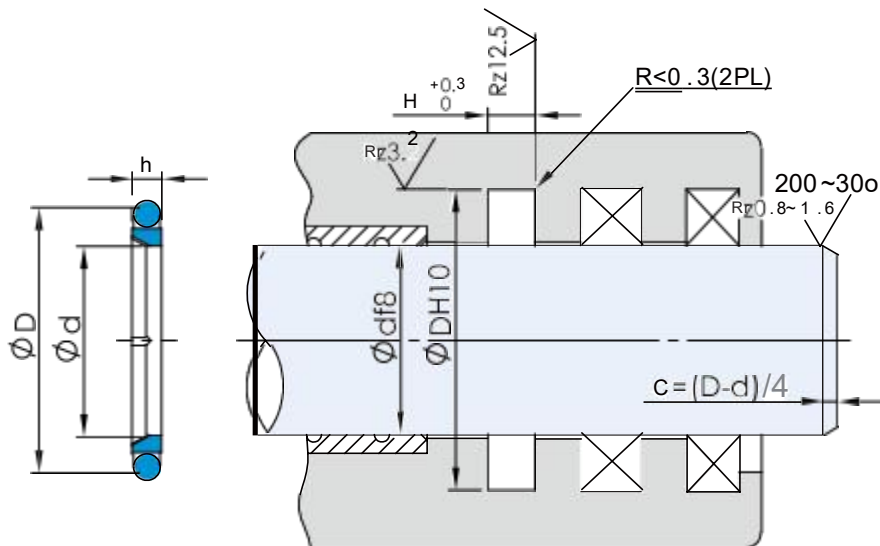
Specification:

d	D	h	H
40	55.5	6	6.3
45	60.5	6	6.3
50	65.5	6	6.3
55	70.5	6	6.3
60	75.5	6	6.3
65	80.5	6	6.3
70	85.5	6	6.3
75	90.5	6	6.3
80	95.5	6	6.3
85	100.5	6	6.3
90	105.5	6	6.3
95	110.5	6	6.3
100	115.5	6	6.3

d	D	h	H
105	120.5	6	6.3
110	125.5	6	6.3
115	130.5	6	6.3
120	135.5	6	6.3
125	140.5	6	6.3
130	145.5	6	6.3
135	150.5	6	6.3
140	155.5	6	6.3
145	160.5	6	6.3
150	165.5	6	6.3
160	175.5	6	6.3
170	185.5	6	6.3
180	195.5	6	6.3

Order Method HB Y d*D*H (HB Y 40*55.5*6.3)

If your required sizes are not listed in the table, please kindly contact us.



Design Description:

HBTS and HBY have the same functionality and offer lower friction resistance in applications that require high speed or extremely short strokes. They feature a conical surface with relief grooves to release back pressure.

Technical specification:

- Max speed : 3m/ s
- Max pressure : 40MPa
- Temperature range : -30 ~ 110°C
(Choosing the appropriate rubber elastomer allows for different temperature ranges to be accommodated.)
- MAT : NBR+Filled PTFE

d	D	h	H
40	55.5	6	6.3
45	60.5	6	6.3
50	65.5	6	6.3
55	70.5	6	6.3
60	75.5	6	6.3
65	80.5	6	6.3
70	85.5	6	6.3
75	90.5	6	6.3
80	95.5	6	6.3
85	100.5	6	6.3
90	105.5	6	6.3
95	110.5	6	6.3
100	115.5	6	6.3
105	120.5	6	6.3
110	125.5	6	6.3
115	130.5	6	6.3
120	135.5	6	6.3
120	141	7.9	8.1
125	140.5	6	6.3

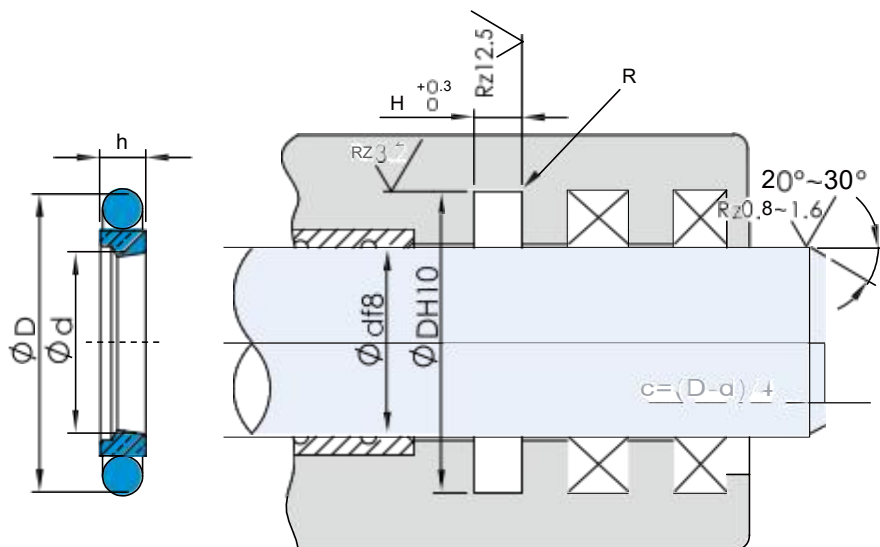
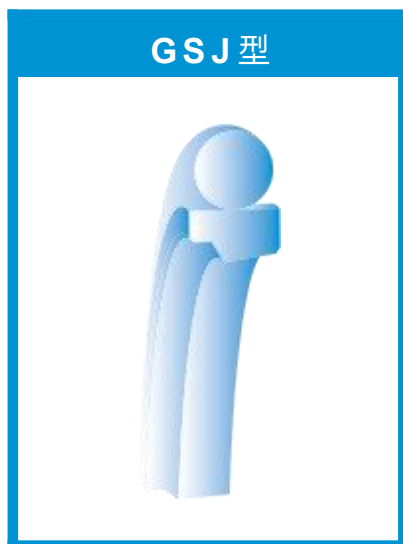
d	D	h	H
125	146	7.9	8.1
130	145.5	6	6.3
130	151	7.9	8.1
135	150.5	6	6.3
135	156	7.9	8.1
140	155.5	6	6.3
140	161	7.9	8.1
145	160.5	6	6.3
150	165.5	6	6.3
150	171	7.9	8.1
160	175.5	6	6.3
160	181	7.9	8.1
170	185.5	6	6.3
170	191	7.9	8.1
180	195.5	6	6.3
180	201	7.9	8.1
190	211	7.9	8.1
200	221	7.9	8.1

Order Method HBTS d*D*H (HBTS 40*55.5*6.3)

If your required sizes are not listed in the table, please kindly contact us.



GSJ活塞杆密封/Rod seals



Design Description:

GSJ is an excellent sealing solution for hydraulic reciprocating motion systems, performing well in high, medium, and low-pressure environments, as well as under heavy loads and high-frequency conditions. It is suitable for a wide range of fluid and high-temperature applications, accommodating various stroke lengths and larger piston rod clearances.

Technical specification:

- Max speed : 3m/ s
- Max pressure : 40MPa
- Temperature range : -30 ~ 110°C
(Choosing the appropriate rubber elastomer allows for different temperature ranges to be accommodated.)
- MAT : NBR+Filled PTFE

Installation Dimension:

Rod Dia. d h9			Groove Dia.	Groove Width	Radius	Radial Clearance			O Ring Section
Standard Usage	Light-duty	Heavy-duty	D H9	H+0.2	R	10 Mpa	20 Mpa	40 Mpa	d ₀
3-7.9	8-18.9	-	d+4.9	2.2	0.4	0.30	0.20	0.15	1.78
8-18.9	19-37.9	-	d+7.3	3.2	0.6	0.40	0.25	0.15	2.62
19-37.9	38-199.9	8-18.9	d+10.7	4.2	1	0.50	0.30	0.20	3.53
38-199.9	200-255.9	19-37.9	d+15.1	6.3	1.3	0.70	0.40	0.25	5.33
200-255.9	256-649.9	38-199.9	d+20.5	8.1	1.8	0.80	0.60	0.35	7.00
256-649.9	650-999.9	200-255.9	d+24	8.1	1.8	0.90	0.70	0.40	7.00
650-999.9	≥1000	256-649.9	d+27.3	9.5	2.5	1.00	0.80	0.50	8.40
≥1000	-	650-999.9	d+38	13.8	3.0	1.20	0.90	0.60	12.00



Specification:

Name	Rod Dia.	Bore Dia.	Width
	d h9	D H9	L+0.2
GSJ	3	7.9	2.2
GSJ	4	8.9	2.2
GSJ	5	9.9	2.2
GSJ	6	10.9	2.2
GSJ	8	12.9	2.2
GSJ	10	14.9	2.2
GSJ	12	16.9	2.2
GSJ	14	18.9	2.2
GSJ	15	19.9	2.2
GSJ	16	20.9	2.2
GSJ	17	21.9	2.2
GSJ	18	22.9	2.2
GSJ	8	15.3	3.2
GSJ	9	16.3	3.2
GSJ	10	17.3	3.2
GSJ	12	19.3	3.2
GSJ	14	21.3	3.2
GSJ	15	22.3	3.2
GSJ	16	23.3	3.2
GSJ	18	25.3	3.2
GSJ	20	27.3	3.2
GSJ	22	29.3	3.2
GSJ	24	31.3	3.2
GSJ	25	32.3	3.2
GSJ	26	33.3	3.2
GSJ	28	35.3	3.2
GSJ	30	37.3	3.2
GSJ	32	39.3	3.2
GSJ	35	42.3	3.2
GSJ	36	43.3	3.2
GSJ	38	45.3	3.2
GSJ	40	47.3	3.2
GSJ	19	29.7	4.2
GSJ	20	30.7	4.2
GSJ	22	32.7	4.2
GSJ	25	35.7	4.2
GSJ	26	36.7	4.2
GSJ	28	38.7	4.2

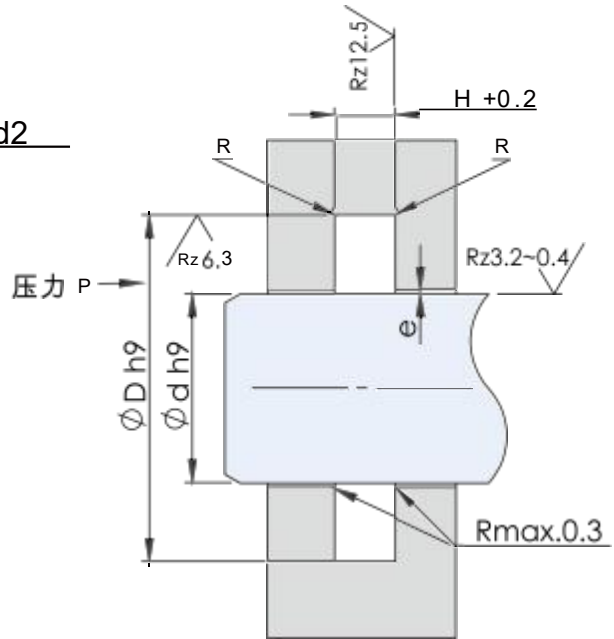
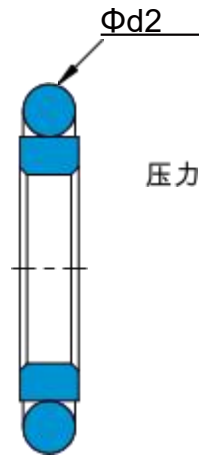
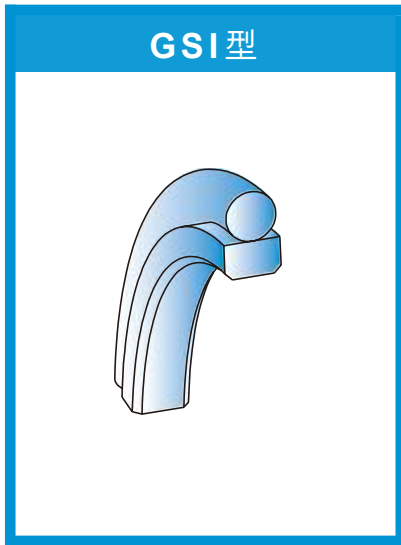
Name	Rod Dia.	Bore Dia.	Width
	d h9	D H9	L+0.2
GSJ	30	40.7	4.2
GSJ	32	42.7	4.2
GSJ	35	45.7	4.2
GSJ	36	46.7	4.2
GSJ	37	47.7	4.2
GSJ	38	48.7	4.2
GSJ	40	50.7	4.2
GSJ	42	52.7	4.2
GSJ	45	55.7	4.2
GSJ	50	60.7	4.2
GSJ	52	62.7	4.2
GSJ	55	65.7	4.2
GSJ	60	70.7	4.2
GSJ	65	75.7	4.2
GSJ	70	80.7	4.2
GSJ	75	85.7	4.2
GSJ	80	90.7	4.2
GSJ	35	50.1	6.3
GSJ	38	53.1	6.3
GSJ	40	55.1	6.3
GSJ	45	60.1	6.3
GSJ	50	65.1	6.3
GSJ	55	70.1	6.3
GSJ	56	71.1	6.3
GSJ	60	75.1	6.3
GSJ	63	78.1	6.3
GSJ	65	80.1	6.3
GSJ	66	81.1	6.3
GSJ	67	82.1	6.3
GSJ	68	83.1	6.3
GSJ	70	85.1	6.3
GSJ	73	88.1	6.3
GSJ	75	90.1	6.3
GSJ	80	95.1	6.3
GSJ	83	98.1	6.3
GSJ	85	100.1	6.3
GSJ	90	105.1	6.3
GSJ	95	110.1	6.3



GSJ活塞杆密封/Rod seals

Name	Rod Dia.	Bore Dia.	Width
	d h9	D H9	L+0.2
GSJ	98	113.1	6.3
GSJ	100	115.1	6.3
GSJ	105	120.1	6.3
GSJ	110	125.1	6.3
GSJ	115	130.1	6.3
GSJ	120	135.1	6.3
GSJ	125	140.1	6.3
GSJ	130	145.1	6.3
GSJ	135	150.1	6.3
GSJ	140	155.1	6.3
GSJ	150	165.1	6.3
GSJ	160	175.1	6.3
GSJ	170	185.1	6.3
GSJ	180	195.1	6.3
GSJ	190	205.1	6.3
GSJ	200	215.1	6.3
GSJ	80	100.5	8.1
GSJ	85	105.5	8.1
GSJ	90	110.5	8.1
GSJ	95	115.5	8.1
GSJ	100	120.5	8.1
GSJ	105	125.5	8.1
GSJ	110	130.5	8.1

Name	Rod Dia.	Bore Dia.	Width
	d h9	D H9	L+0.2
GSJ	115	135.5	8.1
GSJ	120	140.5	8.1
GSJ	125	145.5	8.1
GSJ	130	150.5	8.1
GSJ	135	155.5	8.1
GSJ	140	160.5	8.1
GSJ	150	170.5	8.1
GSJ	160	180.5	8.1
GSJ	170	190.5	8.1
GSJ	180	200.5	8.1
GSJ	190	210.5	8.1
GSJ	200	220.5	8.1
GSJ	210	230.5	8.1
GSJ	220	240.5	8.1
GSJ	230	250.5	8.1
GSJ	240	260.5	8.1
GSJ	250	270.5	8.1
GSJ	260	284	8.1
GSJ	270	294	8.1
GSJ	280	304	8.1
GSJ	290	314	8.1
GSJ	300	324	8.1



Design Description:

The GSI seal consists of an O-ring and a polytetrafluoroethylene (PTFE) sealing ring. Its advantages include:

- Excellent dynamic and static sealing performance.
- Allows for larger extrusion gaps, reducing machining costs depending on the application.
- Can be used in Medium with contaminants due to the larger extrusion gaps.
- Low friction and no crawling phenomenon.
- Simple groove design, suitable for integral pistons.
- Strong adaptability to working conditions due to the availability of multiple material options.

Applications:

It excels in double-sided sealing applications for hydraulic systems and reciprocating motion under high pressure, low pressure, and high-frequency conditions. It is suitable for long strokes and can be used in a wide range of fluid and high-temperature applications, accommodating larger piston clearances.

Technical Specification:

- Pressure: 40MPa
- Speed: 5m/s
- Temperature: -45°C to +200°C (depending on the O-ring material)
- Medium: Mineral hydraulic oil, fire-resistant hydraulic oil, environmentally friendly hydraulic oil, water, air, and other Medium (depending on the O-ring material)

Clearance: The maximum allowable radial clearance e_{max} is determined by the working pressure and the functional diameter, as indicated in the table.

Materials:

Sealing ring: Filled polytetrafluoroethylene (F-PTFE)

Rod Dia. d			Groove Dia. D	Groove Width H	Radius R	RadialGap e max			O Ring Section d ₂
Standard Usage	Light-Duty	Heavy-Duty	D	H	R	10 Mpa	20 Mpa	40 Mpa	d ₂
3-7.9	8-18.9	-	d+4.9	2.2	0.4	0.30	0.20	0.15	1.78
8-18.9	19-37.9	-	d+7.5	3.2	0.6	0.40	0.25	0.15	2.62
19-37.9	38-199.9	8-18.9	d+11	4.2	1	0.40	0.25	0.20	3.53
38-199.9	200-255.9	19-37.9	d+15.5	6.3	1.3	0.50	0.30	0.20	5.33
200-255.9	256-649.9	38-199.9	d+21	8.1	1.8	0.60	0.35	0.25	7.00
256-649.9	650-999.9	200-255.9	d+24.5	8.1	1.8	0.60	0.35	0.25	7.00
650-999.9	≥1000	256-649.9	d+28	9.5	2.5	0.70	0.50	0.30	8.40
≥1000	-	650-999.9	d+38	13.8	3.0	1.00	0.70	0.60	12.00



GSI活塞杆密封/Rod seals

Specification :

Name	d	D	H+0.2
GSI	3	7.9	2.2
GSI	4	8.9	2.2
GSI	5	9.9	2.2
GSI	6	10.9	2.2
GSI	8	12.9	2.2
GSI	10	14.9	2.2
GSI	12	16.9	2.2
GSI	14	18.9	2.2
GSI	15	19.9	2.2
GSI	8	15.5	3.2
GSI	9	16.5	3.2
GSI	10	17.5	3.2
GSI	12	19.5	3.2
GSI	14	21.5	3.2
GSI	15	22.5	3.2
GSI	16	23.5	3.2
GSI	18	25.5	3.2
GSI	19	30	4.2
GSI	20	31	4.2
GSI	22	33	4.2
GSI	25	36	4.2
GSI	26	37	4.2
GSI	28	39	4.2
GSI	30	41	4.2
GSI	32	43	4.2
GSI	35	46	4.2
GSI	36	47	4.2
GSI	37	48	4.2
GSI	38	49	4.2
GSI	38	53.5	6.3

名称	d	D	H+0.2
GSI	40	55.5	6.3
GSI	45	60.5	6.3
GSI	50	65.5	6.3
GSI	55	70.5	6.3
GSI	56	71.5	6.3
GSI	60	75.5	6.3
GSI	63	78.5	6.3
GSI	65	80.5	6.3
GSI	66	81.5	6.3
GSI	67	82.5	6.3
GSI	68	83.5	6.3
GSI	70	85.5	6.3
GSI	73	88.5	6.3
GSI	75	90.5	6.3
GSI	80	95.5	6.3
GSI	83	98.5	6.3
GSI	85	100.5	6.3
GSI	90	105.5	6.3
GSI	95	110.5	6.3
GSI	98	113.5	6.3
GSI	100	115.5	6.3
GSI	105	120.5	6.3
GSI	110	125.5	6.3
GSI	115	130.5	6.3
GSI	120	135.5	6.3
GSI	125	140.5	6.3
GSI	130	145.5	6.3
GSI	135	150.5	6.3
GSI	140	155.5	6.3
GSI	150	165.5	6.3



Name	d	D	H+0.2
GSI	160	175.5	6.3
GSI	170	185.5	6.3
GSI	180	195.5	6.3
GSI	190	205.5	6.3
GSI	200	221	8.1
GSI	210	231	8.1
GSI	220	241	8.1
GSI	230	251	8.1
GSI	240	261	8.1
GSI	250	271	8.1
GSI	260	284.5	8.1
GSI	270	294.5	8.1
GSI	280	304.5	8.1
GSI	290	314.5	8.1

TYS 拓岩密封
SEALS

厦门市新岩密封科技有限公司

XIAMEN TYS SEALS TECHNOLOGY CO.,LTD.

地址：厦门市集美区杏美路9-2号

ADD:NO.5-2,Xinmei Road,Jimei District,Xiamen

Tel : 0592-6192018 Fax:0592-6192019

Email:tys@tysseals.com

Web: <http://www.tysseals.com>

拓岩密封科技（广州）有限公司

TYS SEALS TECHNOLOGY (GUANGZHOU)CO.,LTD.

地址：广州市天河区朱吉公路36号朱吉国际机械城11-1237

ADD:11-1237 Zhuji international machinery center , No.36 Zhuji road Tianhe district Guangzhou

Tel : 020-32380255 Fax:020-3238-0377

Email:sales01@tysseals.com

Web: <http://www.tysseals.com>