

TFHC-K



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天福宏承密封有限公司

TFHC-K

SOG&H.T

天福宏承密封件-O-X型圈

第八版



O-X型圈

SOG&H.T

TFHC-K

天福宏承密封元件



TFHC-K

嵩贊油封工業股份有限公司

SO GIANT OIL SEAL INDUSTRIAL CO., LTD.

Customer Concept Competition 顧客至上 觀念領導 競爭成長



CERTIFICATE OF APPROVAL

This is to certify that the Quality Management System of
SO GIANT OIL SEAL INDUSTRIAL CO., LTD.
6, Industrial East Rd., Nanshang Industrial Zone,
Nantou Hsien, Taiwan

Has been approved by Lloyd Register Quality Assurance
to the ISO 9001 Quality Management System Standard.

ISO 9001:2008

The Quality Management System is applicable to:
Manufacturer of industrial oil seals.

The certificate will only be valid when the certificate holder complies with the same
standards as stated in the scope of the approval.

Approval Date: 27 August 2010
Certificate Validity: 27 August 2013

Authorised Signatory: [Signature]

Quality Manager: [Signature]

Quality Management System Standard: ISO 9001:2008

Scope of Approval: Manufacturer of industrial oil seals

Address: [Address]

Product: [Product]



CERTIFICATE OF APPROVAL

This is to certify that the Quality Management System of
SO GIANT OIL SEAL INDUSTRIAL CO., LTD.
11, Industrial East Rd., Nanshang Industrial Zone,
Nantou Hsien, Taiwan

Has been approved by Lloyd Register Quality Assurance, 1001
Market Way, UK to the ISO 14001 Quality Management System Standard.

ISO 14001:2004 (excluding product design)

The Quality Management System is applicable to:
Manufacturer of oil seals for automotive industry.

The certificate will only be valid when the certificate holder complies with the same
standards as stated in the scope of the approval.

Approval Date: 27 August 2010
Certificate Validity: 27 August 2013

Authorised Signatory: [Signature]

Quality Manager: [Signature]

Quality Management System Standard: ISO 14001:2004

Scope of Approval: Manufacturer of oil seals for automotive industry

Address: [Address]

Product: [Product]



CERTIFICATE OF APPROVAL

This is to certify that the Environmental Management System of
SO GIANT OIL SEAL INDUSTRIAL CO., LTD.
& Industrial East Rd., Nanshang Industrial Zone,
Nantou Hsien, Taiwan

Has been approved by Lloyd Register Quality Assurance
to the ISO 16949 Environmental Management System Standard.

ISO 16949:2009

The Environmental Management System is applicable to:
Manufacturer of industrial oil seals.

The certificate will only be valid when the certificate holder complies with the same
standards as stated in the scope of the approval.

Approval Date: 27 May 2012
Certificate Validity: 27 May 2015

Authorised Signatory: [Signature]

Quality Manager: [Signature]

Quality Management System Standard: ISO 16949:2009

Scope of Approval: Manufacturer of industrial oil seals

Address: [Address]

Product: [Product]



CERTIFICATE OF APPROVAL

This is to certify that the Occupational Health & Safety Management System of
SO GIANT OIL SEAL INDUSTRIAL CO., LTD.
6, Industrial East Rd., Nanshang Industrial Zone,
Nantou Hsien, Taiwan

Has been approved by Lloyd Register Quality Assurance
to the following certification:

OHSAS 18001:2007

The Occupational Health & Safety Management System is applicable to:
Manufacturer of industrial oil seals.

The certificate will only be valid when the certificate holder complies with the same
standards as stated in the scope of the approval.

Approval Date: 27 May 2012
Certificate Validity: 27 May 2015

Authorised Signatory: [Signature]

Quality Manager: [Signature]

Quality Management System Standard: OHSAS 18001:2007

Scope of Approval: Manufacturer of industrial oil seals

Address: [Address]

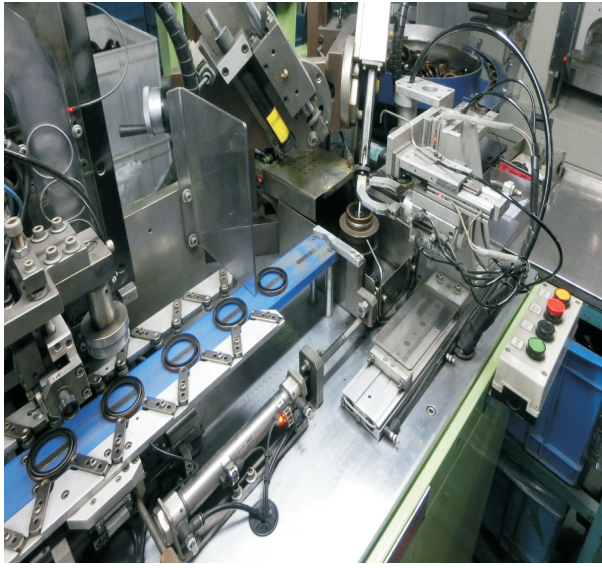
Product: [Product]

Full Range
Fast Delivery
Easy Price



TFHC-K

ISO 9001
 ISO 14001
 ISO 18001
 IATF16949
 OHSAS 18001
 TOSHMS:2007
 LRQA Certificate



SOG&H.T

天福宏承密封元件

TFHC-K

快速， 質量和 效能 應用

As natural resources become increasingly scarce, the world's appetite for them still keeps growing. We develop innovations that have a positive impact on society, while helping our customers save energy, reduce emissions and improve efficiency. We call this our Blue Dimension. Explore our solutions from space to seabed. Visit our showroom. The world of Tsae Sheng at WWW.SHDNSF.COM



液壓缸專用油封



SOG&H.T

天福宏承密封元件



汽車工業 (Automotive Industry)

符合各項汽車材料規範，如DBL, FORD, GMW, VW2.8.1 等汽車規範。

Our material meets all kinds of automotive specification, such as DBL, FORD, GWM, and VW 2.8.1 standards.



化工產業 (CPI)

提供符合耐化性非常好的橡膠材料。FFKM, AFLAS, ETP, FKM, EPDM

Offers outstanding resistance to aggressive media such as hot organic and inorganic acids, such as FFKM, AFLAS, ETP, and FKM.



石油與天然氣 (Oil & Gas)

提供可符合RGD H2S 的產品，供鑽油井相關產業使用。

Provides material meets RGD requirement and standard H2S environment, especially for drilling industry.



消費性產品 (Consumer Product)

多樣性的產品選擇，如廚房用品、鍵盤、錶帶等消費品。

There are Various materials selection, like Kitchen Ware, Keyboard, and Watch Band.



航太工業 (Aerospace)

提供耐高低溫，且耐航空燃油的橡膠材料，如FVMQ, FKM等材料。

Offers High and Low temperature and aerospace fuel resistance rubber product, like FVMQ and FKM.



重工業制品 (Heavy-duty Industry)

用於挖土機、堆高機等產業。已被客戶廣泛使用於耐高壓油封及V型環等產品。

Already widely used in equipment for construction, our rubber mainly for Oil Seal, V-ring, and hydraulic rubber parts.



食品及飲料 (Food & Beverages)

提供符合食品FDA及各國飲用水WRAS, KTW, ACS, KIWA, NSF等飲用水認證。

Provides material certified by FDA, WARS, KTW, ACS, KIWA, and NSF for drinking water application.



鐵路系統 (Rail Transportation)

即將成為鐵路產業的全解決方案提供者，例如煞車系統與傳動系統。

A rail transportation total solution provider, including breaking system and transmission system.



制藥工業 (Pharma)

每一批矽膠材料都有通過USP Class VI。

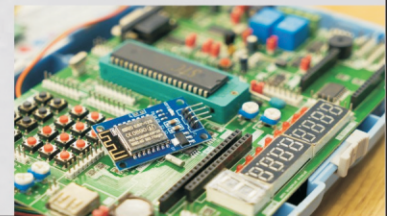
Our silicone rubber for medical purpose with USP Class VI certified, and done ISO-10993 selected chapter for every batch.



半導體產業 (Semiconductor)

提供FFKM, FKM, AFLAS, FVMQ橡膠材料生產Bonding Slit Valve Door及O型環應用在半導體產業。

We provides such as FFKM, FKM, AFLAS, and FVMQ rubber, widely used in semiconductor manufacturers.





全面品質管制

配合全廠品檢取樣輸送設備，品檢人員能夠落實每一批生產膠料，進行全面品檢再行出貨，提供穩定性極佳的膠料。

為符合客戶對品質的各項要求，從原物料到出貨的各項品質管制，滿足客戶對於高品質混練橡膠的各項要求。



長泓提供



Quality Control

To offer excellent rubber products and guarantee quality of every batch, our quality control department will follow from incoming to final process of quality control. As mentioned quality process, we performs hardness (IRHD, Shore A), Rheometers, density, compound dispersion, physical property tests.



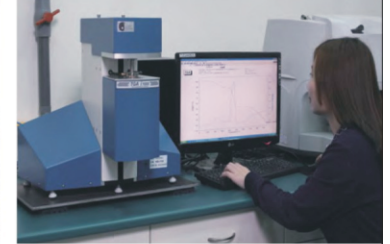


材料研發

我們不斷地投資研發設備如：DSC、TMA、TGA、FTIR、GC/MAS and XRF(RoHS) 等分析儀器，並垂直整合上下游原物料，由專業研發團隊共同投入研發出更先進的橡膠材料，提供給每一位優質客戶。

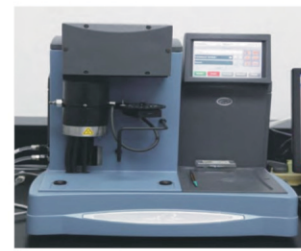


長泓提供



Material Development

To supply customer excellent and stable rubber, we already equip DSC, TMA, TGA, FTIR, GC/MAS, and XRF (RoHS) analytical Instruments. Our R&D department keeps increasing budget on the latest instruments. We develop advanced material with supply chain to our valued customer.



TAF 實驗室

我們擁有專業的實驗室並取得國際認證TAF(ISO 17025)證書，完整的測試設備並可以符合美國ASTM, 歐洲ISO, 日本JIS, 德國DIN橡膠標準。具備公信力的實驗數據，幫助客戶更快速取得國際客戶對於橡膠的嚴格要求，提供客戶最值得信賴的各項技術資料。



長泓提供



TAF Laboratory



Testing Laboratory
1050

We have a professional TAF (ISO17025) certificated laboratory.

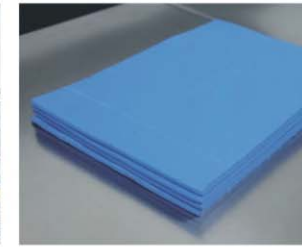
Our testing equipment conform to ASTM, ISO, JIS, and DIN rubber standards. Creditable testing data helps customer to stand strictly standard. Your request is our duty.





FKM預混膠生產線

由於極地氣候影響，全球對於橡膠的需求日漸嚴苛，透過上下游供應鍊的整合，由專業團隊針對國內外客戶對於FKM材料提供如渦輪增壓管，O型圈等產品，更進一步研發極低溫的FKM材料及全氟膠料，全面符合客戶需求，並能依客戶屬性獨立研發適合客戶製程的氟橡膠材料。



FKM Production-line

Upstream and downstream supply chain integration, Our team design FKM materials for application such as Turbo Charge Horse (TCH), O-ring, Oil-seals, boots...etc. We are working on ultra-low temperature FKM, and FFKM formulation to fulfill customer's requirements.



自動化劑量系統

針對汽車工業，航太客戶對於材料追溯能力的要求，我們投入了自動倉儲及劑量系統，大大提升作業流程及混煉膠品質穩定性，先進的ERP電腦系統及條碼系統，滿足客戶對於橡膠控管要求並能安心使用我們的混練膠。



Auto-dosing System

Trace ability plays an important role in automotive and aerospace industry. We invested auto-dosing system to simplify processing and improve quality tremendously. Advanced ERP and Barcode system, relieve customers' quality concern. Our quality is your safety.



序言

台灣天福宏承密封有限公司為油壓、空壓、旋轉密封件之專業密封件整合供應商

此文本主要介紹TFHC-K出品，SOG&HT 製造的骨架油封O/X型圈 PU / PTFE / FFKM 與橡膠客製化製品適泛用於汽/機車 電動車軌道交通海事航天設備油/煉鋼重工/工程機械 AI/電子設備之密封應用

“品質至上、快速服務、唯新產品”是我們的服務方向
“貫徹服務、技術創新、永續經營”是我們的經營理念

我們以先進的生產技術，嚴格的品管制度完善的售後服務來滿足國內外各產業的生產配套經銷維修客戶群需求，志要為每個客戶夥伴們提供一流的密封技術，作為產業界可依賴的主供應商，優質的產品將產出於優質的工作環境，我們對產品、員工、廠區的自主要求，我們符合IATF-16949品質認證要求的產品質量，我們符合ISO-14000環境管理系統標準的作業環境，我們符合OHSAS-18000職業安全衛生管理體系的廠區

本文目錄內提供的型號規格及尺寸，可作為分銷商銷售參考與直接使用終端客戶的機械設計與實際安裝參考指南，我們陸續引進台灣及國外的高階工業密封產品與技術，尤其在非標準品，急件或產品取代，我們可以依客戶樣品或圖面做加工，我們最大加工直徑可達1500mm，最大加工尺寸可達4000mm。

目錄內摘錄的型號規格及尺寸，是市場通用件我司所能生產提供的產品與規格，並不局限於目錄中的型號與尺寸，若有目錄中無刊登記載的型號或尺寸，請直接和本公司業務人員聯絡我們將盡快為您服務！

Preface

Taiwan TFHC-K Seal Co., Ltd. is an experienced supplier of integration sealing element for hydraulic, pneumatic and rotation machinery.

This catalog mainly introduces the SOG&HT brand oil seal, O / X ring, PU / PTFE / FFKM and rubber compound customized products distributed by TFHC-K. Our product is suitable for use in automobile / motorcycle, electric vehicle, rail transportation, marine equipment, aerial equipment, petrochemical, steelmaking, heavy industry, earth moving equipment, AI / Electronics equipment applications.

"Quality comes first. Fast service. Latest products" is our service direction "Performing services. Technical innovation. Sustainable business" is our business philosophy.

We use advanced production technology, strict quality control system and perfect after-sales service to meet the needs of production, distribution, and maintenance customer groups in various industries at home and abroad. Aiming to act as the main reliable supplier, we provide first-class sealing technology to every customer partner. High-quality products will be produced in a high-quality working environment, so

Our product quality meets IATF-16949 quality certification
Our operating environment complies with ISO-14000 environmental management system standards
Our factory is in accordance with OHSAS-18000 occupational safety and health management system

The tool list in type and size printed in this catalog provide multifunction purpose for seals distributors, engineers of RD department and reference for installation of workshop. We continued in importing high-end industrial sealing products and technologies from Taiwan and abroad, especially for non-standard products, urgent requirement and replacement parts or products. We can process according to customer samples or drawings. Our maximum processing diameter can reach 1500mm and the maximum processing size can reach 4000mm.

The products and specifications that our company can produce and provide are not limited to the list in the catalog. If there are models or sizes not listed in the catalog, please contact our company directly. Contact us and we will serve you as soon as possible!



鄧白氏獎

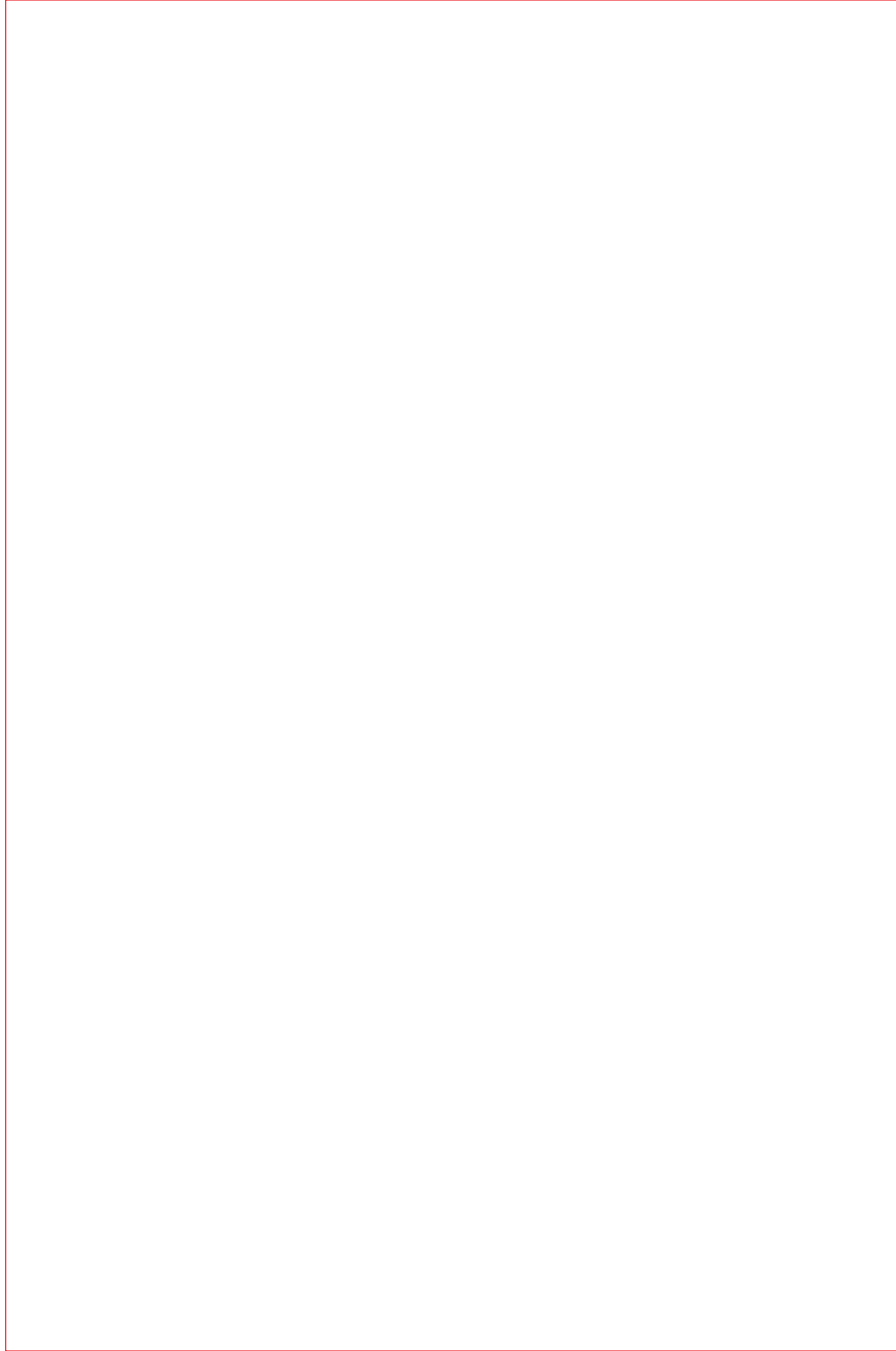


2019年，「鄧白氏中小企業菁英獎」邁入第六屆
依據鄧白氏全球資料庫數據資料，從國內超過130萬家中小企業中，評選出最具出口競爭力的 **TOP 1000**家企業
恭喜 我司獲選為2019年，「鄧白氏中小企業菁英獎」**TOP 1000**菁英企業
衷心期盼您的蒞臨，一同迎接全球市場與創新思維，共創世界經濟永續

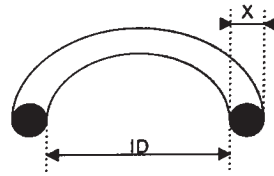
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O型圈的介紹 Introductions of O-Ring



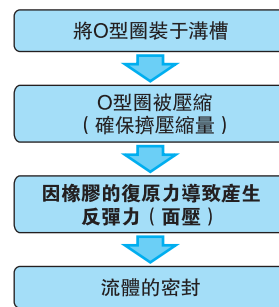
OR(O型圈)是通用密封，也是一種基礎密封件，不同工作環境選用不同材質，OR的尺寸取決於密封槽尺寸如附表。

OR is a universal seal. It is a basic seal as well. The "O" shape gave it the name. Different medium and usage require different material. Size of o-ring must depend on the groove dimension.

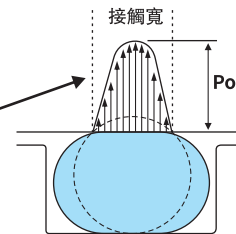
O型圈的密封原理

(1)O型圈的密封原理

O型圈的密封原理是被壓縮的O型圈通過維持反彈力而進行密封。



●無壓時的面壓狀態



※無壓時，面壓：通過維持Po進行密封。

(2)O型圈用材料所要求的性質

O型圈通過擠壓產生的應力發揮密封性能，因此在不發生異常變形的範圍內，持有適度的應力是基本要求的性質。而且要求該基本性質在使用過程中也不失去。而具有這種性質的材料最合適的莫過於合成橡膠。但是，使一種材料具有所有這些性質是很困難的，因此需要根據用途分別使用相應的材料。

爲了適應各種使用條件，天福宏承準備了各種材料。



		Pressure 壓力 bar	橡膠邵氏硬度Hardness		
			70A	80A	90A
		最大擠出間隙F(mm)			
STATIC 靜態密封	≤60	0.2	0.25	0.3	
	60-100	0.1	0.2	0.25	
	100-160	0.05	0.1	0.2	
	160-250		0.05	0.1	
	250-350			0.05	
DANAMIC 動態密封	≤30	0.2	0.25	0.3	
	30-60	1	0.17	0.2	
	60-80		0.1	0.15	
	80-100			0.1	

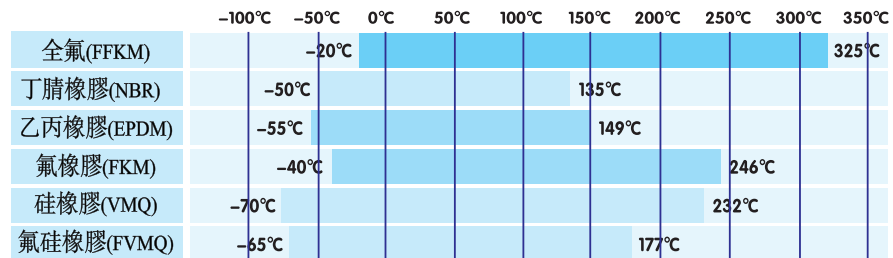
O型圈公差表 (單位: 毫米)

Tolerance Instruction (mm)

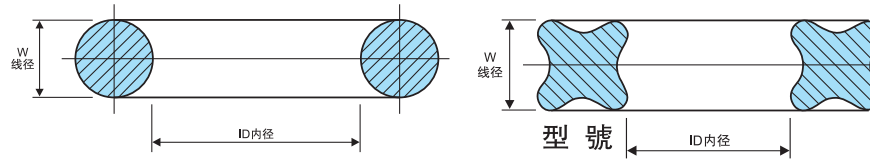
內徑 ID	公差 Tolerance	綫徑 W	公差 Tolerance
0 ~ 3	0.14	0 ~ 1.8	0.08
3 ~ 6	0.15	1.8 ~ 2.6	0.09
6 ~ 10	0.17	2.6 ~ 3.5	0.10
10 ~ 18	0.20	3.5 ~ 5.3	0.13
18 ~ 30	0.30	5.3 ~ 7.0	0.15
30 ~ 50	0.40	7 ~ 8	0.17
50 ~ 80	0.65	8 ~ 10	0.20
80 ~ 100	0.85	10 ~ 15	0.25
100 ~ 120	1.0		
120 ~ 150	1.2		
150 ~ 180	1.4		
180 ~ 250	1.8		
250 ~ 300	2.1		
300 ~ 350	2.5		
350 ~ 400	2.8		
400 ~ 500	3.4		
500 ~ 650	4.3		
650 ~ 800	6.5		

耐溫性對比

Temperature Resistance



O-X型圈 日標P系列 O-X-Ring



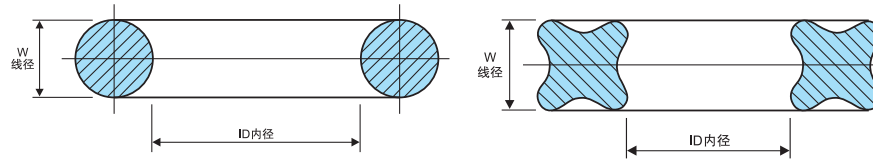
型號 Model Number	內徑 ID	綫徑 W
P-003	2.8	1.9
P-004	3.8	1.9
P-005	4.8	1.9
P-006	5.8	1.9
P-007	6.8	1.9
P-008	7.8	1.9
P-009	8.8	1.9
P-010	9.8	1.9
P-010A	9.8	2.4
P-011.2	11	2.4
P-012.5	12.3	2.4
P-011	10.8	2.4
P-012	11.8	2.4
P-014	13.8	2.4
P-015	14.8	2.4
P-016	15.8	2.4
P-017	16.8	2.4
P-018	17.8	2.4
P-019	18.8	2.4
P-020	19.8	2.4
P-021	20.8	2.4
P-022	21.8	2.4
P-022.4	22.1	3.5
P-022A	21.7	3.5
P-025.5	25.2	3.5
P-029.5	29.2	3.5
P-031.5	31.2	3.5
P-035.5	35.2	3.5

型號 Model Number	內徑 ID	綫徑 W
P-024	23.7	3.5
P-025	24.7	3.5
P-026	25.7	3.5
P-028	27.7	3.5
P-029	28.7	3.5
P-030	29.7	3.5
P-031	30.7	3.5
P-032	31.7	3.5
P-034	33.7	3.5
P-035	34.7	3.5
P-036	35.7	3.5
P-038	37.7	3.5
P-039	38.7	3.5
P-040	39.7	3.5
P-041	40.7	3.5
P-042	41.7	3.5
P-044	43.7	3.5
P-045	44.7	3.5
P-046	45.7	3.5
P-048	47.7	3.5
P-049	48.7	3.5
P-050	49.7	3.5
P-048A	47.6	5.7
P-050A	49.6	5.7
P-052	51.6	5.7
P-053	52.6	5.7
P-055	54.6	5.7
P-056	55.6	5.7

型號 Model Number	内徑 ID	綫徑 W
P-058	57.6	5.7
P-060	59.6	5.7
P-062	61.6	5.7
P-063	62.6	5.7
P-065	64.6	5.7
P-067	66.6	5.7
P-070	69.6	5.7
P-071	70.6	5.7
P-075	74.6	5.7
P-080	79.6	5.7
P-085	84.6	5.7
P-090	89.6	5.7
P-095	94.6	5.7
P-100	99.6	5.7
P-102	101.6	5.7
P-105	104.6	5.7
P-110	109.6	5.7
P-112	111.6	5.7
P-115	114.6	5.7
P-120	119.6	5.7
P-125	124.6	5.7
P-130	129.6	5.7
P-132	131.6	5.7
P-135	134.6	5.7
P-140	139.6	5.7
P-145	144.6	5.7
P-150	149.6	5.7
P-150A	149.5	8.4
P-155	154.5	8.4
P-160	159.5	8.4
P-165	164.5	8.4
P-170	169.5	8.4
P-175	174.5	8.4
P-180	179.5	8.4
P-185	184.5	8.4

型號 Model Number	内徑 ID	綫徑 W
P-190	189.5	8.4
P-195	194.5	8.4
P-200	199.5	8.4
P-205	204.5	8.4
P-209	208.5	8.4
P-210	209.5	8.4
P-215	214.5	8.4
P-220	219.5	8.4
P-225	224.5	8.4
P-230	229.5	8.4
P-235	234.5	8.4
P-240	239.5	8.4
P-245	244.5	8.4
P-250	249.5	8.4
P-255	254.5	8.4
P-260	259.5	8.4
P-265	264.5	8.4
P-270	269.5	8.4
P-275	274.5	8.4
P-280	279.5	8.4
P-285	284.5	8.4
P-290	289.5	8.4
P-295	294.5	8.4
P-300	299.5	8.4
P-315	314.5	8.4
P-320	319.5	8.4
P-335	334.5	8.4
P-340	339.5	8.4
P-355	354.5	8.4
P-360	359.5	8.4
P-375	375.5	8.4
P-385	384.5	8.4
P-400	399.5	8.4

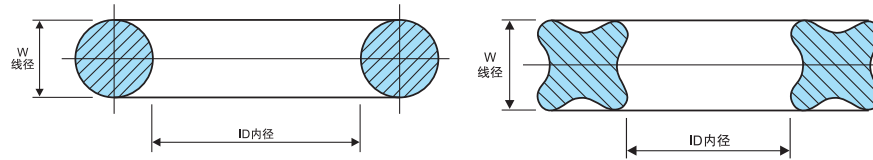
O-X型圈 日標G系列 O-X-Ring



型號 Model Number	内徑 ID	綫徑 W
G-025	24.4	3.1
G-030	29.4	3.1
G-035	34.4	3.1
G-040	39.4	3.1
G-042	41.4	3.1
G-045	44.4	3.1
G-050	49.4	3.1
G-055	54.4	3.1
G-058	57.4	3.1
G-060	59.4	3.1
G-065	64.4	3.1
G-070	69.4	3.1
G-075	74.4	3.1
G-080	79.4	3.1
G-085	84.8	3.1
G-090	89.4	3.1
G-095	94.4	3.1
G-100	99.4	3.1
G-105	104.4	3.1
G-110	109.4	3.1
G-115	114.4	3.1
G-120	119.4	3.1
G-125	124.4	3.1
G-130	129.4	3.1
G-135	134.4	3.1
G-140	139.4	3.1
G-145	144.4	3.1
G-150	149.3	5.7
G-155	154.3	5.7

型號 Model Number	内徑 ID	綫徑 W
G-160	159.3	5.7
G-165	164.3	5.7
G-170	169.3	5.7
G-175	174.3	5.7
G-180	179.3	5.7
G-185	184.3	5.7
G-190	189.3	5.7
G-195	194.3	5.7
G-200	199.3	5.7
G-205	204.3	5.7
G-210	209.3	5.7
G-215	214.3	5.7
G-220	219.3	5.7
G-225	224.3	5.7
G-230	229.3	5.7
G-235	234.3	5.7
G-240	239.3	5.7
G-250	249.3	5.7
G-255	254.3	5.7
G-260	259.3	5.7
G-270	269.3	5.7
G-275	274.3	5.7
G-280	279.3	5.7
G-285	284.3	5.7
G-290	289.3	5.7
G-300	299.3	5.7
G-305	304.3	5.7
G-310	309.3	5.7

O-X型圈 美標AS568系列 O-X-Ring



型號 Model Number	內徑 ID	綫徑 W
568-001	0.74	1.02
568-002	1.07	1.27
568-003	1.42	1.53
568-011A	8.73	1.78
568-004	1.78	1.78
568-005	2.57	1.78
568-006	2.9	1.78
568-007	3.68	1.78
568-008	4.47	1.78
568-009	5.28	1.78
568-010	6.07	1.78
568-011	7.65	1.78
568-012	9.25	1.78
568-013	10.8	1.78
568-014	12.42	1.78
568-015	14	1.78
568-016	15.6	1.78
568-017	17.17	1.78
568-018	18.77	1.78
568-019	20.35	1.78
568-020	21.95	1.78
568-021	23.52	1.78
568-022	25.12	1.78
568-023	26.7	1.78
568-024	28.3	1.78
568-025	29.87	1.78
568-026	31.47	1.78
568-027	33.05	1.78

型號 Model Number	內徑 ID	綫徑 W
568-028	34.65	1.78
568-029	37.82	1.78
568-030	41	1.78
568-031	44.17	1.78
568-032	47.35	1.78
568-033	50.52	1.78
568-034	53.7	1.78
568-035	56.78	1.78
568-036	60.05	1.78
568-037	63.32	1.78
568-038	66.4	1.78
568-039	69.57	1.78
568-040	72.75	1.78
568-041	75.75	1.78
568-042	82.27	1.78
568-043	88.62	1.78
568-044	94.97	1.78
568-045	101.32	1.78
568-046	107.67	1.78
568-047	114.02	1.78
568-048	120.37	1.78
568-049	126.72	1.78
568-050	133.07	1.78
568-102	1.25	2.62
568-103	2.06	2.62
568-104	2.85	2.62
568-105	3.63	2.62
568-106	4.42	2.62

型號 Model Number	内徑 ID	綫徑 W
568-107	5.23	2.62
568-108	6.02	2.62
568-109	7.6	2.62
568-110	9.2	2.62
568-111	10.77	2.62
568-112	12.37	2.62
568-113	13.95	2.62
568-114	15.55	2.62
568-115	17.12	2.62
568-116	18.72	2.62
568-117	20.3	2.62
568-118	21.9	2.62
568-119	23.47	2.62
568-120	25.07	2.62
568-121	26.65	2.62
568-122	28.25	2.62
568-123	29.82	2.62
568-124	31.42	2.62
568-125	33	2.62
568-126	34.6	2.62
568-127	36.17	2.62
568-128	37.77	2.62
568-129	39.35	2.62
568-130	40.95	2.62
568-131	42.52	2.62
568-132	44.12	2.62
568-133	45.7	2.62
568-134	47.3	2.62
568-135	48.9	2.62
568-136	50.47	2.62
568-137	52.07	2.62
568-138	53.64	2.62
568-139	55.25	2.62
568-140	56.82	2.62
568-141	58.42	2.62

型號 Model Number	内徑 ID	綫徑 W
568-142	59.99	2.62
568-143	61.6	2.62
568-144	63.17	2.62
568-145	64.77	2.62
568-146	66.34	2.62
568-147	67.95	2.62
568-148	69.52	2.62
568-149	71.12	2.62
568-150	72.69	2.62
568-151	75.87	2.62
568-152	82.22	2.62
568-153	88.57	2.62
568-154	94.92	2.62
568-155	101.27	2.62
568-156	107.62	2.62
568-157	113.97	2.62
568-158	120.32	2.62
568-159	126.67	2.62
568-160	133.02	2.62
568-161	139.37	2.62
568-162	145.72	2.62
568-163	152.07	2.62
568-164	158.42	2.62
568-165	164.77	2.62
568-166	171.12	2.62
568-167	177.47	2.62
568-168	183.82	2.62
568-169	190.17	2.62
568-170	196.52	2.62
568-171	202.87	2.62
568-172	209.22	2.62
568-173	215.57	2.62
568-174	221.92	2.62
568-175	228.27	2.62
568-176	234.62	2.62

型號 Model Number	內徑 ID	綫徑 W
568-177	240.97	2.62
568-178	247.32	2.62
568-179	253.67	2.62
568-201	4.34	3.53
568-202	5.94	3.53
568-203	7.52	3.53
568-204	9.12	3.53
568-205	10.69	3.53
568-206	12.29	3.53
568-207	13.87	3.53
568-208	15.47	3.53
568-209	17.04	3.53
568-210	18.64	3.53
568-211	20.22	3.53
568-212	21.82	3.53
568-213	23.39	3.53
568-214	24.99	3.53
568-215	26.57	3.53
568-216	28.17	3.53
568-217	29.74	3.53
568-218	31.34	3.53
568-219	32.92	3.53
568-220	34.52	3.53
568-221	36.09	3.53
568-222	37.69	3.53
568-223	40.87	3.53
568-224	44.04	3.53
568-225	47.22	3.53
568-226	50.39	3.53
568-227	53.57	3.53
568-228	56.75	3.53
568-229	59.92	3.53
568-230	63.09	3.53
568-231	66.27	3.53
568-232	69.44	3.53

型號 Model Number	內徑 ID	綫徑 W
568-233	72.62	3.53
568-234	75.8	3.53
568-235	78.97	3.53
568-236	82.14	3.53
568-237	85.32	3.53
568-238	88.49	3.53
568-239	91.67	3.53
568-240	94.87	3.53
568-241	98.02	3.53
568-242	101.2	3.53
568-243	104.37	3.53
568-244	107.54	3.53
568-245	110.72	3.53
568-246	113.89	3.53
568-247	117.07	3.53
568-248	120.07	3.53
568-249	123.42	3.53
568-250	126.59	3.53
568-251	129.77	3.53
568-252	132.94	3.53
568-253	136.12	3.53
568-254	139.29	3.53
568-255	142.47	3.53
568-256	145.64	3.53
568-257	148.82	3.53
568-258	151.99	3.53
568-259	158.34	3.53
568-260	164.69	3.53
568-261	171.04	3.53
568-262	177.39	3.53
568-263	183.74	3.53
568-264	190.09	3.53
568-265	196.44	3.53
568-266	202.79	3.53
568-267	209.14	3.53

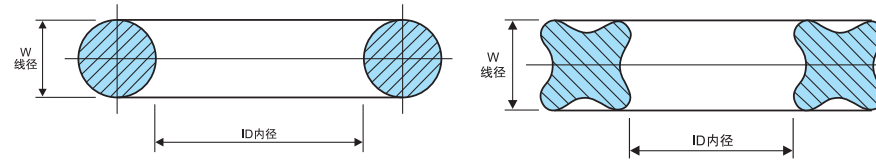
型號 Model Number	内徑 ID	綫徑 W
568-268	215.49	3.53
568-269	221.84	3.53
568-270	228.19	3.53
568-271	234.54	3.53
568-272	240.89	3.53
568-273	247.24	3.53
568-274	253.59	3.53
568-275	266.29	3.53
568-276	278.99	3.53
568-277	291.69	3.53
568-278	304.39	3.53
568-279	329.79	3.53
568-280	355.19	3.53
568-281	380.59	3.53
568-282	405.26	3.53
568-283	430.66	3.53
568-284	456.06	3.53
568-309	10.46	5.34
568-310	12.07	5.34
568-311	13.64	5.34
568-312	15.24	5.34
568-313	16.81	5.34
568-314	18.42	5.34
568-315	19.99	5.34
568-316	21.59	5.34
568-317	23.17	5.34
568-318	24.77	5.34
568-319	26.34	5.34
568-320	27.94	5.34
568-321	29.51	5.34
568-322	31.12	5.34
568-323	32.69	5.34
568-324	34.29	5.34
568-325	37.47	5.34
568-326	40.64	5.34

型號 Model Number	内徑 ID	綫徑 W
568-327	43.82	5.34
568-328	46.99	5.34
568-329	50.17	5.34
568-330	53.34	5.34
568-331	56.52	5.34
568-332	59.69	5.34
568-333	62.87	5.34
568-334	66.04	5.34
568-335	69.22	5.34
568-336	72.39	5.34
568-337	75.57	5.34
568-338	78.74	5.34
568-339	81.92	5.34
568-340	85.09	5.34
568-341	88.27	5.34
568-342	91.44	5.34
568-343	94.62	5.34
568-344	97.79	5.34
568-345	100.97	5.34
568-346	104.14	5.34
568-347	107.32	5.34
568-348	110.49	5.34
568-349	113.67	5.34
568-350	116.84	5.34
568-351	120.02	5.34
568-352	123.19	5.34
568-353	126.37	5.34
568-354	129.54	5.34
568-355	132.72	5.34
568-356	135.89	5.34
568-357	139.07	5.34
568-358	142.24	5.34
568-359	145.42	5.34
568-360	148.59	5.34
568-361	151.77	5.34

型號 Model Number	內徑 ID	綫徑 W
568-362	158.12	5.34
568-363	164.47	5.34
568-364	170.82	5.34
568-365	177.17	5.34
568-366	183.52	5.34
568-367	189.87	5.34
568-368	196.22	5.34
568-369	202.57	5.34
568-370	208.92	5.34
568-371	215.27	5.34
568-372	221.62	5.34
568-373	227.97	5.34
568-374	234.32	5.34
568-375	240.67	5.34
568-376	247.02	5.34
568-377	253.37	5.34
568-378	266.07	5.34
568-379	278.77	5.34
568-380	291.47	5.34
568-381	304.17	5.34
568-382	329.57	5.34
568-383	354.97	5.34
568-384	380.37	5.34
568-385	405.26	5.34
568-386	430.66	5.34
568-387	456.06	5.34
568-388	481.46	5.34
568-389	506.86	5.34
568-390	532.26	5.34
568-391	557.66	5.34
568-392	582.68	5.34
568-393	608.08	5.34
568-394	633.48	5.34
568-395	658.88	5.34
568-425	113.67	6.99

型號 Model Number	內徑 ID	綫徑 W
568-426	116.84	6.99
568-427	120.02	6.99
568-428	123.19	6.99
568-429	126.37	6.99
568-430	129.54	6.99
568-431	132.54	6.99
568-432	135.89	6.99
568-433	139.07	6.99
568-434	142.24	6.99
568-435	145.42	6.99
568-436	148.59	6.99
568-437	151.77	6.99
568-438	158.12	6.99
568-439	164.47	6.99
568-440	170.82	6.99
568-441	177.17	6.99
568-442	183.52	6.99
568-443	189.87	6.99
568-444	196.22	6.99
568-445	202.57	6.99
568-446	215.27	6.99
568-447	227.97	6.99
568-448	240.67	6.99
568-449	253.37	6.99
568-450	266.07	6.99
568-451	278.77	6.99
568-452	291.47	6.99
568-453	304.17	6.99
568-454	316.87	6.99
568-455	329.57	6.99
568-456	342.27	6.99
568-457	354.97	6.99
568-458	367.67	6.99
568-459	380.37	6.99
568-460	393.07	6.99

O-X型圈 O-X-Ring



內徑 ID	綫徑 W	內徑 ID	綫徑 W	內徑 ID	綫徑 W
29.00	0.50	11.30	1.00	38.00	1.00
10.50	0.65	11.50	1.00	39.00	1.00
1.00	1.00	12.00	1.00	40.00	1.00
1.20	1.00	13.00	1.00	41.00	1.00
1.60	1.00	14.00	1.00	42.00	1.00
1.70	1.00	15.00	1.00	43.00	1.00
1.80	1.00	15.50	1.00	44.00	1.00
2.00	1.00	16.00	1.00	45.00	1.00
2.20	1.00	16.50	1.00	46.00	1.00
2.60	1.00	17.00	1.00	47.00	1.00
2.90	1.00	17.50	1.00	48.00	1.00
3.00	1.00	17.60	1.00	49.00	1.00
3.50	1.00	18.00	1.00	50.00	1.00
4.00	1.00	18.50	1.00	51.00	1.00
4.50	1.00	19.00	1.00	52.00	1.00
5.00	1.00	20.00	1.00	53.00	1.00
5.20	1.00	23.00	1.00	53.28	1.00
5.50	1.00	24.00	1.00	55.00	1.00
6.00	1.00	25.00	1.00	56.00	1.00
6.50	1.00	26.00	1.00	57.00	1.00
7.00	1.00	27.00	1.00	58.00	1.00
7.50	1.00	28.00	1.00	59.00	1.00
8.00	1.00	29.00	1.00	60.00	1.00
8.50	1.00	30.00	1.00	61.00	1.00
9.50	1.00	34.00	1.00	90.00	1.00
10.00	1.00	35.00	1.00	139.35	1.00
10.50	1.00	36.00	1.00	285.00	1.00
11.00	1.00	37.00	1.00	323.00	1.00

内径 ID	綫径 W	内径 ID	綫径 W	内径 ID	綫径 W
5.00	1.20	17.00	1.50	57.00	1.50
9.60	1.20	18.00	1.50	58.00	1.50
1.00	1.50	18.50	1.50	59.00	1.50
1.50	1.50	19.00	1.50	60.00	1.50
2.00	1.50	19.50	1.50	62.00	1.50
2.50	1.50	20.00	1.50	65.00	1.50
2.60	1.50	20.50	1.50	67.00	1.50
2.90	1.50	21.00	1.50	70.00	1.50
3.00	1.50	21.50	1.50	72.00	1.50
3.50	1.50	22.00	1.50	74.00	1.50
4.00	1.50	22.50	1.50	76.00	1.50
4.50	1.50	23.00	1.50	78.00	1.50
5.00	1.50	23.50	1.50	80.00	1.50
5.50	1.50	24.00	1.50	83.00	1.50
5.70	1.50	24.50	1.50	90.00	1.50
6.00	1.50	25.00	1.50	94.00	1.50
6.50	1.50	26.00	1.50	100.00	1.50
7.50	1.50	26.50	1.50	104.00	1.50
8.00	1.50	27.00	1.50	110.00	1.50
9.00	1.50	27.50	1.50	139.35	1.50
9.50	1.50	28.00	1.50	180.00	1.50
10.00	1.50	29.00	1.50	8.55	1.58
10.50	1.50	30.00	1.50	11.08	1.58
10.70	1.50	31.50	1.50	2.40	1.60
11.00	1.50	33.00	1.50	6.10	1.60
11.50	1.50	35.00	1.50	8.10	1.60
12.00	1.50	36.00	1.50	12.00	1.60
12.50	1.50	37.00	1.50	6.07	1.63
13.00	1.50	40.00	1.50	13.00	1.70
14.00	1.50	43.00	1.50	3.68	1.78
14.50	1.50	45.00	1.50	8.73	1.78
15.00	1.50	47.00	1.50	9.25	1.78
15.50	1.50	52.00	1.50	9.75	1.78
16.00	1.50	53.00	1.50	12.42	1.78
16.50	1.50	55.00	1.50	17.17	1.78

内径 ID	綫径 W	内径 ID	綫径 W	内径 ID	綫径 W
28.30	1.78	9.50	1.80	38.70	1.80
56.87	1.78	10.00	1.80	39.50	1.80
64.40	1.78	10.40	1.80	40.00	1.80
82.27	1.78	10.60	1.80	41.20	1.80
85.00	1.78	10.80	1.80	42.50	1.80
101.32	1.78	11.20	1.80	43.70	1.80
123.44	1.78	11.50	1.80	45.00	1.80
126.72	1.78	11.80	1.80	46.20	1.80
1.80	1.80	12.00	1.80	47.50	1.80
2.00	1.80	12.50	1.80	48.00	1.80
2.24	1.80	13.20	1.80	48.70	1.80
2.50	1.80	14.00	1.80	50.00	1.80
2.80	1.80	15.00	1.80	53.00	1.80
3.15	1.80	16.00	1.80	55.00	1.80
3.55	1.80	17.00	1.80	56.00	1.80
3.75	1.80	18.00	1.80	59.40	1.80
4.00	1.80	19.00	1.80	63.00	1.80
4.50	1.80	20.00	1.80	65.00	1.80
4.87	1.80	21.20	1.80	69.00	1.80
5.00	1.80	21.40	1.80	71.00	1.80
5.15	1.80	22.40	1.80	73.00	1.80
5.30	1.80	23.60	1.80	74.00	1.80
5.60	1.80	25.00	1.80	75.00	1.80
6.00	1.80	25.80	1.80	79.00	1.80
6.30	1.80	26.50	1.80	85.00	1.80
6.70	1.80	28.00	1.80	86.00	1.80
6.90	1.80	29.00	1.80	90.00	1.80
7.10	1.80	30.00	1.80	97.00	1.80
7.50	1.80	31.50	1.80	100.00	1.80
8.00	1.80	32.50	1.80	109.00	1.80
8.40	1.80	33.50	1.80	115.00	1.80
8.50	1.80	34.50	1.80	350.00	1.80
8.75	1.80	35.50	1.80	1.20	1.90
9.00	1.80	36.50	1.80	2.20	1.90
9.28	1.80	37.50	1.80	2.70	1.90

内径 ID	綫径 W	内径 ID	綫径 W	内径 ID	綫径 W
2.80	1.90	11.20	1.90	31.20	1.90
3.20	1.90	11.50	1.90	32.20	1.90
3.40	1.90	12.00	1.90	33.20	1.90
3.50	1.90	12.20	1.90	34.20	1.90
3.70	1.90	12.50	1.90	35.20	1.90
3.80	1.90	13.00	1.90	36.20	1.90
3.90	1.90	13.20	1.90	37.20	1.90
4.20	1.90	13.80	1.90	38.20	1.90
4.90	1.90	14.00	1.90	39.20	1.90
5.00	1.90	14.20	1.90	40.20	1.90
5.20	1.90	14.80	1.90	41.20	1.90
5.70	1.90	15.20	1.90	42.20	1.90
6.00	1.90	15.80	1.90	45.20	1.90
6.20	1.90	16.20	1.90	46.20	1.90
6.40	1.90	16.80	1.90	61.20	1.90
6.70	1.90	17.00	1.90	75.00	1.90
6.80	1.90	17.20	1.90	96.20	1.90
7.00	1.90	17.80	1.90	11.89	1.98
7.20	1.90	18.00	1.90	2.50	2.00
7.70	1.90	18.20	1.90	3.00	2.00
7.80	1.90	18.80	1.90	4.00	2.00
8.00	1.90	19.20	1.90	4.50	2.00
8.20	1.90	20.00	1.90	6.00	2.00
8.50	1.90	20.20	1.90	6.50	2.00
8.70	1.90	21.20	1.90	7.00	2.00
8.80	1.90	22.20	1.90	7.50	2.00
8.90	1.90	23.20	1.90	8.00	2.00
9.00	1.90	24.20	1.90	8.50	2.00
9.20	1.90	25.20	1.90	9.00	2.00
9.55	1.90	26.20	1.90	10.00	2.00
9.80	1.90	27.20	1.90	11.00	2.00
10.00	1.90	28.00	1.90	11.50	2.00
10.20	1.90	28.20	1.90	12.00	2.00
10.60	1.90	29.20	1.90	12.20	2.00
10.80	1.90	30.20	1.90	13.00	2.00

内径 ID	綫径 W	内径 ID	綫径 W	内径 ID	綫径 W
13.50	2.00	44.50	2.00	95.00	2.00
14.00	2.00	46.00	2.00	96.00	2.00
15.00	2.00	47.00	2.00	98.00	2.00
15.50	2.00	48.00	2.00	102.00	2.00
16.00	2.00	49.50	2.00	104.50	2.00
16.50	2.00	52.50	2.00	105.00	2.00
17.00	2.00	53.00	2.00	106.00	2.00
17.50	2.00	54.50	2.00	109.50	2.00
19.00	2.00	55.00	2.00	110.00	2.00
21.00	2.00	55.50	2.00	115.00	2.00
22.00	2.00	56.00	2.00	118.00	2.00
23.00	2.00	59.00	2.00	120.00	2.00
23.50	2.00	60.00	2.00	128.00	2.00
24.00	2.00	62.00	2.00	129.50	2.00
24.50	2.00	62.50	2.00	130.00	2.00
25.00	2.00	64.50	2.00	132.00	2.00
26.00	2.00	65.00	2.00	149.50	2.00
27.00	2.00	67.00	2.00	150.00	2.00
28.00	2.00	68.00	2.00	160.00	2.00
28.50	2.00	69.50	2.00	165.00	2.00
30.00	2.00	70.00	2.00	170.00	2.00
31.00	2.00	70.50	2.00	180.00	2.00
32.00	2.00	71.00	2.00	184.00	2.00
33.00	2.00	72.00	2.00	185.00	2.00
34.50	2.00	73.00	2.00	190.00	2.00
35.00	2.00	74.50	2.00	192.00	2.00
36.00	2.00	75.00	2.00	205.00	2.00
37.50	2.00	76.00	2.00	233.00	2.00
38.50	2.00	78.00	2.00	13.46	2.08
39.00	2.00	79.50	2.00	8.00	2.20
39.50	2.00	80.00	2.00	9.30	2.20
41.50	2.00	84.50	2.00	11.20	2.20
42.00	2.00	89.50	2.00	11.30	2.20
43.00	2.00	90.00	2.00	13.00	2.20
44.00	2.00	94.50	2.00	13.30	2.20

内径 ID	綫径 W	内径 ID	綫径 W	内径 ID	綫径 W
15.30	2.20	11.60	2.40	19.60	2.40
19.30	2.20	11.80	2.40	19.80	2.40
16.36	2.21	12.00	2.40	20.00	2.40
53.00	2.30	12.20	2.40	20.20	2.40
3.20	2.40	12.60	2.40	20.30	2.40
3.30	2.40	12.80	2.40	20.60	2.40
4.20	2.40	13.20	2.40	21.00	2.40
5.20	2.40	13.30	2.40	21.20	2.40
5.50	2.40	13.60	2.40	21.60	2.40
5.60	2.40	13.80	2.40	21.80	2.40
6.20	2.40	14.00	2.40	22.00	2.40
6.30	2.40	14.20	2.40	22.20	2.40
6.50	2.40	14.30	2.40	22.30	2.40
6.60	2.40	14.60	2.40	22.60	2.40
7.10	2.40	15.00	2.40	23.00	2.40
7.20	2.40	15.20	2.40	23.20	2.40
7.60	2.40	15.30	2.40	24.00	2.40
8.20	2.40	15.60	2.40	24.20	2.40
8.30	2.40	15.80	2.40	24.50	2.40
8.40	2.40	16.00	2.40	24.60	2.40
8.50	2.40	16.20	2.40	24.80	2.40
8.60	2.40	16.30	2.40	25.20	2.40
8.80	2.40	16.60	2.40	25.60	2.40
9.00	2.40	16.80	2.40	26.00	2.40
9.20	2.40	17.00	2.40	26.20	2.40
9.30	2.40	17.20	2.40	26.40	2.40
9.40	2.40	17.30	2.40	26.80	2.40
9.60	2.40	17.60	2.40	27.00	2.40
9.80	2.40	17.80	2.40	27.20	2.40
10.00	2.40	18.00	2.40	27.60	2.40
10.20	2.40	18.20	2.40	28.00	2.40
10.80	2.40	18.30	2.40	28.20	2.40
11.00	2.40	18.60	2.40	28.80	2.40
11.20	2.40	19.00	2.40	29.00	2.40
11.30	2.40	19.20	2.40	29.20	2.40

内径 ID	綫径 W	内径 ID	綫径 W	内径 ID	綫径 W
29.60	2.40	55.20	2.40	26.00	2.50
30.00	2.40	59.60	2.40	27.00	2.50
30.20	2.40	60.20	2.40	28.00	2.50
31.20	2.40	61.20	2.40	30.00	2.50
31.80	2.40	62.20	2.40	32.00	2.50
32.20	2.40	62.60	2.40	34.00	2.50
32.60	2.40	64.60	2.40	36.00	2.50
33.20	2.40	65.20	2.40	38.00	2.50
33.30	2.40	66.60	2.40	38.30	2.50
34.00	2.40	70.60	2.40	39.00	2.50
34.20	2.40	105.20	2.40	40.00	2.50
34.30	2.40	19.18	2.46	42.00	2.50
35.20	2.40	5.00	2.50	44.00	2.50
37.20	2.40	8.00	2.50	45.00	2.50
38.00	2.40	8.50	2.50	48.00	2.50
38.20	2.40	9.00	2.50	50.00	2.50
39.50	2.40	9.50	2.50	55.00	2.50
39.70	2.40	10.00	2.50	57.00	2.50
40.00	2.40	11.00	2.50	60.00	2.50
40.20	2.40	12.00	2.50	62.00	2.50
42.00	2.40	12.50	2.50	65.00	2.50
42.20	2.40	13.00	2.50	70.00	2.50
43.00	2.40	13.80	2.50	72.00	2.50
44.00	2.40	14.00	2.50	75.00	2.50
44.70	2.40	15.00	2.50	80.00	2.50
45.20	2.40	17.00	2.50	90.00	2.50
45.60	2.40	18.00	2.50	94.00	2.50
47.00	2.40	19.00	2.50	115.00	2.50
47.20	2.40	20.00	2.50	124.00	2.50
48.00	2.40	20.50	2.50	125.00	2.50
49.20	2.40	21.00	2.50	130.00	2.50
49.60	2.40	23.00	2.50	195.00	2.50
52.60	2.40	23.50	2.50	320.00	2.50
53.60	2.40	24.00	2.50	14.20	2.55
54.60	2.40	25.00	2.50	5.80	2.60

内径 ID	綫径 W	内径 ID	綫径 W	内径 ID	綫径 W
2.05	2.62	8.75	2.65	34.70	2.65
11.91	2.62	9.00	2.65	35.50	2.65
15.54	2.62	9.50	2.65	36.50	2.65
17.12	2.62	10.00	2.65	37.50	2.65
23.47	2.62	10.60	2.65	38.50	2.65
28.24	2.62	11.20	2.65	38.70	2.65
29.82	2.62	11.80	2.65	40.00	2.65
32.99	2.62	12.00	2.65	41.20	2.65
34.42	2.62	12.50	2.65	42.50	2.65
34.59	2.62	13.00	2.65	43.70	2.65
36.17	2.62	13.20	2.65	45.00	2.65
39.34	2.62	13.95	2.65	46.20	2.65
40.94	2.62	14.00	2.65	47.50	2.65
42.52	2.62	15.00	2.65	48.70	2.65
45.69	2.62	15.70	2.65	49.40	2.65
48.90	2.62	16.00	2.65	50.00	2.65
71.62	2.62	17.00	2.65	50.50	2.65
74.00	2.62	18.00	2.65	51.50	2.65
99.00	2.62	19.00	2.65	53.00	2.65
139.37	2.62	20.00	2.65	54.50	2.65
151.00	2.62	20.83	2.65	56.00	2.65
181.00	2.62	21.20	2.65	58.00	2.65
183.20	2.62	22.40	2.65	60.00	2.65
196.52	2.62	23.60	2.65	61.50	2.65
202.87	2.62	25.00	2.65	63.00	2.65
206.00	2.62	25.80	2.65	64.60	2.65
221.92	2.62	26.50	2.65	65.00	2.65
231.00	2.62	28.00	2.65	67.00	2.65
256.00	2.62	28.50	2.65	69.00	2.65
281.00	2.62	30.00	2.65	70.00	2.65
321.00	2.62	31.00	2.65	71.00	2.65
7.10	2.65	31.50	2.65	73.00	2.65
7.50	2.65	32.50	2.65	74.00	2.65
8.00	2.65	33.50	2.65	75.00	2.65
8.50	2.65	34.50	2.65	77.50	2.65

内径 ID	綫径 W	内径 ID	綫径 W	内径 ID	綫径 W
80.00	2.65	19.00	2.70	35.00	3.00
82.50	2.65	2.00	2.80	36.00	3.00
85.00	2.65	17.00	2.80	37.46	3.00
87.50	2.65	23.60	2.90	38.00	3.00
90.00	2.65	26.60	2.90	40.00	3.00
95.00	2.65	29.60	2.90	41.20	3.00
100.00	2.65	34.60	2.90	42.00	3.00
103.00	2.65	38.60	2.90	42.20	3.00
106.00	2.65	44.60	2.90	44.00	3.00
109.00	2.65	56.60	2.90	45.00	3.00
112.00	2.65	23.47	2.95	46.00	3.00
115.00	2.65	34.42	2.95	47.00	3.00
118.00	2.65	3.00	3.00	48.00	3.00
120.00	2.65	8.00	3.00	49.00	3.00
125.00	2.65	11.00	3.00	50.00	3.00
128.00	2.65	11.50	3.00	51.00	3.00
132.00	2.65	13.00	3.00	52.00	3.00
136.00	2.65	15.00	3.00	53.00	3.00
140.00	2.65	16.00	3.00	54.00	3.00
145.00	2.65	18.00	3.00	54.50	3.00
150.00	2.65	18.50	3.00	55.00	3.00
155.00	2.65	19.00	3.00	56.00	3.00
160.00	2.65	19.20	3.00	57.00	3.00
165.00	2.65	20.00	3.00	60.00	3.00
170.00	2.65	22.00	3.00	62.00	3.00
175.00	2.65	24.00	3.00	63.00	3.00
180.00	2.65	24.20	3.00	64.50	3.00
195.00	2.65	25.00	3.00	67.00	3.00
200.00	2.65	26.00	3.00	68.00	3.00
212.00	2.65	27.00	3.00	70.00	3.00
270.00	2.65	28.00	3.00	70.50	3.00
280.00	2.65	30.00	3.00	72.00	3.00
330.00	2.65	33.00	3.00	75.00	3.00
10.50	2.70	34.00	3.00	78.00	3.00
13.60	2.70	34.50	3.00	79.00	3.00

内径 ID	綫径 W	内径 ID	綫径 W	内径 ID	綫径 W
79.50	3.00	146.00	3.00	274.00	3.00
80.00	3.00	148.00	3.00	275.00	3.00
81.50	3.00	149.50	3.00	279.00	3.00
82.00	3.00	150.00	3.00	280.00	3.00
84.00	3.00	155.00	3.00	285.00	3.00
85.00	3.00	159.50	3.00	300.00	3.00
89.00	3.00	160.00	3.00	306.00	3.00
89.50	3.00	164.00	3.00	330.00	3.00
90.00	3.00	165.00	3.00	370.00	3.00
90.40	3.00	167.00	3.00	374.00	3.00
95.00	3.00	170.00	3.00	395.00	3.00
98.00	3.00	174.00	3.00	460.00	3.00
99.50	3.00	175.00	3.00	475.00	3.00
100.00	3.00	176.50	3.00	675.00	3.00
102.00	3.00	178.00	3.00	3.80	3.10
104.00	3.00	180.00	3.00	4.80	3.10
105.00	3.00	182.00	3.00	5.80	3.10
106.00	3.00	192.00	3.00	6.80	3.10
110.00	3.00	194.50	3.00	7.80	3.10
112.00	3.00	195.00	3.00	8.80	3.10
114.00	3.00	200.00	3.00	9.80	3.10
115.00	3.00	203.00	3.00	10.80	3.10
119.00	3.00	205.00	3.00	11.80	3.10
120.00	3.00	210.00	3.00	12.80	3.10
122.00	3.00	225.00	3.00	13.80	3.10
125.00	3.00	229.50	3.00	14.80	3.10
128.00	3.00	230.00	3.00	15.80	3.10
129.50	3.00	233.00	3.00	16.80	3.10
130.00	3.00	235.00	3.00	17.80	3.10
132.00	3.00	245.00	3.00	18.80	3.10
135.00	3.00	250.00	3.00	19.80	3.10
140.00	3.00	260.00	3.00	21.80	3.10
142.00	3.00	264.00	3.00	22.80	3.10
144.50	3.00	265.00	3.00	23.80	3.10
145.00	3.00	270.00	3.00	24.00	3.10

内径 ID	綫径 W	内径 ID	綫径 W	内径 ID	綫径 W
24.40	3.10	44.80	3.10	74.40	3.10
24.80	3.10	45.00	3.10	75.00	3.10
25.00	3.10	45.80	3.10	78.80	3.10
25.80	3.10	47.80	3.10	80.00	3.10
26.80	3.10	48.80	3.10	83.80	3.10
27.00	3.10	49.80	3.10	84.40	3.10
27.80	3.10	50.00	3.10	88.80	3.10
28.00	3.10	50.80	3.10	89.40	3.10
28.80	3.10	51.00	3.10	90.50	3.10
29.00	3.10	51.80	3.10	93.80	3.10
29.40	3.10	52.00	3.10	94.40	3.10
29.80	3.10	52.80	3.10	98.80	3.10
30.00	3.10	53.80	3.10	99.40	3.10
30.80	3.10	54.40	3.10	103.80	3.10
31.80	3.10	55.00	3.10	104.40	3.10
32.00	3.10	55.80	3.10	105.00	3.10
33.30	3.10	56.80	3.10	108.80	3.10
33.80	3.10	58.80	3.10	109.40	3.10
34.00	3.10	59.40	3.10	113.80	3.10
34.40	3.10	60.00	3.10	114.40	3.10
34.50	3.10	60.40	3.10	118.80	3.10
34.80	3.10	61.80	3.10	119.40	3.10
35.00	3.10	63.00	3.10	120.00	3.10
35.80	3.10	63.80	3.10	123.80	3.10
36.80	3.10	64.40	3.10	124.40	3.10
37.80	3.10	64.50	3.10	128.80	3.10
38.00	3.10	65.00	3.10	130.00	3.10
38.80	3.10	65.80	3.10	133.80	3.10
39.40	3.10	68.00	3.10	134.40	3.10
40.00	3.10	68.80	3.10	138.80	3.10
41.80	3.10	69.40	3.10	139.40	3.10
42.80	3.10	70.00	3.10	140.00	3.10
43.80	3.10	71.80	3.10	143.80	3.10
44.00	3.10	72.00	3.10	144.40	3.10
44.40	3.10	73.80	3.10	147.80	3.10

内径 ID	綫径 W	内径 ID	綫径 W	内径 ID	綫径 W
148.80	3.10	294.10	3.10	30.70	3.50
150.00	3.10	325.00	3.10	31.00	3.50
153.80	3.10	329.30	3.10	31.50	3.50
155.00	3.10	330.00	3.10	32.00	3.50
158.80	3.10	76.00	3.20	32.70	3.50
159.80	3.10	101.36	3.20	33.00	3.50
160.00	3.10	152.00	3.20	33.70	3.50
163.80	3.10	8.25	3.25	34.00	3.50
164.40	3.10	84.40	3.30	35.00	3.50
170.00	3.10	23.39	3.35	35.70	3.50
173.80	3.10	8.00	3.50	37.00	3.50
174.30	3.10	10.00	3.50	37.70	3.50
178.80	3.10	14.00	3.50	38.00	3.50
180.00	3.10	15.00	3.50	38.70	3.50
183.80	3.10	17.00	3.50	39.00	3.50
185.00	3.10	19.70	3.50	40.00	3.50
188.80	3.10	20.00	3.50	40.70	3.50
189.30	3.10	21.00	3.50	41.00	3.50
193.80	3.10	21.70	3.50	41.70	3.50
194.30	3.10	22.00	3.50	42.00	3.50
194.50	3.10	22.10	3.50	44.70	3.50
198.80	3.10	23.00	3.50	45.00	3.50
199.40	3.10	23.70	3.50	47.00	3.50
203.80	3.10	24.00	3.50	47.70	3.50
208.80	3.10	24.70	3.50	48.00	3.50
213.80	3.10	24.80	3.50	49.00	3.50
223.80	3.10	25.00	3.50	49.70	3.50
233.80	3.10	25.70	3.50	50.00	3.50
238.80	3.10	26.00	3.50	51.00	3.50
240.00	3.10	27.70	3.50	53.00	3.50
242.00	3.10	28.00	3.50	55.00	3.50
243.80	3.10	29.00	3.50	56.00	3.50
253.80	3.10	29.50	3.50	58.00	3.50
255.00	3.10	29.70	3.50	60.00	3.50
263.80	3.10	30.00	3.50	61.00	3.50

内径 ID	綫径 W	内径 ID	綫径 W	内径 ID	綫径 W
63.00	3.50	155.00	3.50	49.00	3.53
64.60	3.50	163.00	3.50	49.21	3.53
68.00	3.50	165.00	3.50	50.39	3.53
70.00	3.50	170.00	3.50	51.00	3.53
73.00	3.50	174.00	3.50	52.39	3.53
75.00	3.50	180.00	3.50	53.19	3.53
78.00	3.50	185.00	3.50	56.75	3.53
83.00	3.50	190.00	3.50	63.09	3.53
84.00	3.50	193.00	3.50	63.82	3.53
85.00	3.50	195.00	3.50	65.09	3.53
90.00	3.50	200.00	3.50	69.45	3.53
91.00	3.50	205.00	3.50	72.86	3.53
92.00	3.50	210.00	3.50	75.79	3.53
93.00	3.50	215.00	3.50	75.80	3.53
94.60	3.50	255.00	3.50	85.30	3.53
95.00	3.50	273.00	3.50	85.32	3.53
100.00	3.50	274.00	3.50	88.49	3.53
103.00	3.50	300.00	3.50	94.84	3.53
105.00	3.50	320.00	3.50	100.72	3.53
109.60	3.50	360.00	3.50	101.20	3.53
110.00	3.50	419.00	3.50	113.89	3.53
114.70	3.50	18.00	3.53	123.42	3.53
118.00	3.50	23.39	3.53	132.94	3.53
120.00	3.50	23.40	3.53	133.00	3.53
123.00	3.50	24.13	3.53	155.00	3.53
124.60	3.50	25.00	3.53	177.40	3.53
129.60	3.50	25.80	3.53	183.74	3.53
130.00	3.50	28.17	3.53	187.50	3.53
133.00	3.50	36.10	3.53	202.79	3.53
134.50	3.50	37.69	3.53	234.55	3.53
140.00	3.50	40.87	3.53	247.24	3.53
143.00	3.50	44.04	3.53	266.29	3.53
144.70	3.50	47.20	3.53	338.40	3.53
149.70	3.50	47.22	3.53	8.00	3.55
153.00	3.50	48.85	3.53	9.00	3.55

内径 ID	綫径 W	内径 ID	綫径 W	内径 ID	綫径 W
10.00	3.55	43.70	3.55	103.00	3.55
11.00	3.55	45.00	3.55	106.00	3.55
12.00	3.55	46.20	3.55	109.00	3.55
13.00	3.55	47.50	3.55	112.00	3.55
14.00	3.55	48.50	3.55	115.00	3.55
15.00	3.55	48.70	3.55	118.00	3.55
16.00	3.55	50.00	3.55	120.00	3.55
17.00	3.55	51.50	3.55	122.00	3.55
18.00	3.55	53.00	3.55	123.00	3.55
19.00	3.55	54.50	3.55	124.60	3.55
20.00	3.55	55.56	3.55	125.00	3.55
21.20	3.55	56.00	3.55	128.00	3.55
22.40	3.55	58.00	3.55	132.00	3.55
23.60	3.55	60.00	3.55	136.00	3.55
24.30	3.55	61.50	3.55	140.00	3.55
25.00	3.55	63.00	3.55	145.00	3.55
25.80	3.55	65.00	3.55	147.90	3.55
26.50	3.55	67.00	3.55	150.00	3.55
28.00	3.55	68.00	3.55	153.00	3.55
28.50	3.55	69.00	3.55	155.00	3.55
30.00	3.55	71.00	3.55	160.00	3.55
31.50	3.55	72.00	3.55	165.00	3.55
32.50	3.55	73.00	3.55	170.00	3.55
33.50	3.55	75.00	3.55	175.00	3.55
34.50	3.55	77.50	3.55	180.00	3.55
35.00	3.55	80.00	3.55	182.00	3.55
35.50	3.55	82.50	3.55	185.00	3.55
36.50	3.55	85.00	3.55	188.00	3.55
37.50	3.55	87.50	3.55	190.00	3.55
38.00	3.55	90.00	3.55	195.00	3.55
38.70	3.55	92.50	3.55	200.00	3.55
40.00	3.55	95.00	3.55	206.00	3.55
41.20	3.55	97.50	3.55	209.00	3.55
42.30	3.55	100.00	3.55	210.00	3.55
42.50	3.55	101.00	3.55	212.00	3.55

内径 ID	綫径 W	内径 ID	綫径 W	内径 ID	綫径 W
215.00	3.55	22.00	4.00	95.00	4.00
218.00	3.55	24.00	4.00	97.00	4.00
223.00	3.55	25.00	4.00	100.00	4.00
224.00	3.55	28.00	4.00	102.00	4.00
225.00	3.55	31.00	4.00	104.00	4.00
230.00	3.55	35.00	4.00	105.00	4.00
236.00	3.55	36.00	4.00	110.00	4.00
245.00	3.55	37.00	4.00	112.00	4.00
250.00	3.55	37.50	4.00	115.00	4.00
258.00	3.55	44.00	4.00	117.00	4.00
262.00	3.55	48.00	4.00	118.00	4.00
265.00	3.55	49.00	4.00	120.00	4.00
270.00	3.55	50.00	4.00	125.00	4.00
271.00	3.55	52.00	4.00	128.00	4.00
280.00	3.55	55.00	4.00	130.00	4.00
304.00	3.55	56.00	4.00	132.00	4.00
315.00	3.55	60.00	4.00	136.00	4.00
320.00	3.55	62.00	4.00	140.00	4.00
330.00	3.55	64.00	4.00	142.00	4.00
335.00	3.55	65.00	4.00	144.00	4.00
21.30	3.60	66.00	4.00	148.50	4.00
23.00	3.60	67.00	4.00	155.00	4.00
24.60	3.60	68.00	4.00	160.00	4.00
27.80	3.60	69.00	4.00	164.00	4.00
32.50	3.60	70.00	4.00	165.00	4.00
206.50	3.80	71.00	4.00	168.00	4.00
5.00	4.00	72.00	4.00	170.00	4.00
6.50	4.00	74.00	4.00	172.00	4.00
10.00	4.00	75.00	4.00	173.00	4.00
13.00	4.00	80.00	4.00	175.00	4.00
14.00	4.00	82.00	4.00	177.00	4.00
15.00	4.00	84.00	4.00	180.00	4.00
16.00	4.00	85.00	4.00	182.00	4.00
17.00	4.00	90.00	4.00	190.00	4.00
20.00	4.00	92.00	4.00	192.00	4.00

内径 ID	綫径 W	内径 ID	綫径 W	内径 ID	綫径 W
200.00	4.00	148.00	4.60	150.00	5.00
210.00	4.00	112.00	4.80	152.00	5.00
225.00	4.00	6.00	5.00	155.00	5.00
228.00	4.00	30.00	5.00	165.00	5.00
230.00	4.00	32.00	5.00	170.00	5.00
235.00	4.00	35.00	5.00	175.00	5.00
240.00	4.00	37.00	5.00	185.00	5.00
250.00	4.00	38.00	5.00	190.00	5.00
260.00	4.00	45.00	5.00	195.00	5.00
265.00	4.00	46.00	5.00	200.00	5.00
275.00	4.00	48.00	5.00	205.00	5.00
282.00	4.00	55.00	5.00	210.00	5.00
300.00	4.00	60.00	5.00	215.00	5.00
305.00	4.00	61.00	5.00	225.00	5.00
310.00	4.00	65.00	5.00	230.00	5.00
340.00	4.00	70.00	5.00	235.00	5.00
350.00	4.00	75.00	5.00	240.00	5.00
360.00	4.00	80.00	5.00	250.00	5.00
370.00	4.00	85.00	5.00	255.00	5.00
380.00	4.00	90.00	5.00	260.00	5.00
390.00	4.00	95.00	5.00	265.00	5.00
400.00	4.00	98.00	5.00	270.00	5.00
415.00	4.00	100.00	5.00	275.00	5.00
440.00	4.00	105.00	5.00	280.00	5.00
470.00	4.00	108.00	5.00	283.00	5.00
588.00	4.00	110.00	5.00	285.00	5.00
670.00	4.00	115.00	5.00	290.00	5.00
87.00	4.20	116.00	5.00	295.00	5.00
35.00	4.25	120.00	5.00	300.00	5.00
44.00	4.50	125.00	5.00	314.00	5.00
45.00	4.50	130.00	5.00	315.00	5.00
60.00	4.50	135.00	5.00	345.00	5.00
80.00	4.50	138.00	5.00	350.00	5.00
190.00	4.50	140.00	5.00	395.00	5.00
95.00	4.60	145.00	5.00	475.00	5.00

内径 ID	綫径 W	内径 ID	綫径 W	内径 ID	綫径 W
490.00	5.00	82.00	5.30	170.00	5.30
500.00	5.00	82.50	5.30	175.00	5.30
530.00	5.00	84.50	5.30	180.00	5.30
40.00	5.30	85.00	5.30	185.00	5.30
41.20	5.30	87.50	5.30	187.50	5.30
42.50	5.30	90.00	5.30	190.00	5.30
43.70	5.30	92.50	5.30	195.00	5.30
45.00	5.30	94.60	5.30	200.00	5.30
46.20	5.30	95.00	5.30	206.00	5.30
47.50	5.30	97.50	5.30	212.00	5.30
48.70	5.30	100.00	5.30	218.00	5.30
50.00	5.30	103.00	5.30	224.00	5.30
50.20	5.30	104.10	5.30	230.00	5.30
51.50	5.30	105.00	5.30	236.00	5.30
53.00	5.30	106.00	5.30	243.00	5.30
54.50	5.30	109.00	5.30	250.00	5.30
56.00	5.30	110.00	5.30	258.00	5.30
58.00	5.30	110.50	5.30	265.00	5.30
59.70	5.30	112.00	5.30	270.00	5.30
60.00	5.30	115.00	5.30	272.00	5.30
61.50	5.30	116.00	5.30	280.00	5.30
63.00	5.30	117.40	5.30	290.00	5.30
64.40	5.30	118.00	5.30	300.00	5.30
65.00	5.30	120.00	5.30	307.00	5.30
67.00	5.30	122.00	5.30	315.00	5.30
69.00	5.30	125.00	5.30	325.00	5.30
69.20	5.30	128.00	5.30	335.00	5.30
70.00	5.30	132.00	5.30	344.40	5.30
71.00	5.30	136.00	5.30	345.00	5.30
73.00	5.30	140.00	5.30	355.00	5.30
75.00	5.30	145.00	5.30	365.00	5.30
75.60	5.30	150.00	5.30	375.00	5.30
76.00	5.30	155.00	5.30	387.00	5.30
77.50	5.30	160.00	5.30	389.40	5.30
80.00	5.30	165.00	5.30	400.00	5.30

内径 ID	綫径 W	内径 ID	綫径 W	内径 ID	綫径 W
410.00	5.30	130.18	5.33	84.50	5.35
575.00	5.30	135.00	5.33	109.50	5.35
20.17	5.33	138.17	5.33	34.00	5.40
32.69	5.33	147.07	5.33	20.00	5.50
45.00	5.33	158.77	5.33	100.00	5.60
46.00	5.33	177.15	5.33	28.60	5.70
46.20	5.33	177.17	5.33	33.60	5.70
50.16	5.33	193.00	5.33	38.60	5.70
56.00	5.33	202.57	5.33	41.60	5.70
56.50	5.33	208.92	5.33	43.60	5.70
63.17	5.33	215.00	5.33	47.60	5.70
66.04	5.33	215.27	5.33	48.60	5.70
69.50	5.33	216.00	5.33	50.00	5.70
72.39	5.33	220.00	5.33	53.60	5.70
75.57	5.33	221.62	5.33	54.60	5.70
81.92	5.33	225.50	5.33	55.00	5.70
88.30	5.33	227.97	5.33	57.60	5.70
89.34	5.33	233.50	5.33	58.60	5.70
89.69	5.33	235.00	5.33	59.60	5.70
90.50	5.33	239.16	5.33	62.60	5.70
94.45	5.33	240.67	5.33	63.60	5.70
94.62	5.33	247.02	5.33	64.20	5.70
95.50	5.33	253.37	5.33	64.60	5.70
98.02	5.33	278.77	5.33	68.60	5.70
100.97	5.33	304.17	5.33	70.00	5.70
101.16	5.33	323.85	5.33	73.60	5.70
115.50	5.33	346.00	5.33	74.60	5.70
116.00	5.33	354.97	5.33	75.00	5.70
120.20	5.33	359.97	5.33	78.60	5.70
120.65	5.33	368.30	5.33	79.60	5.70
120.77	5.33	380.59	5.33	80.00	5.70
123.20	5.33	608.08	5.33	83.60	5.70
123.80	5.33	104.14	5.34	88.60	5.70
124.00	5.33	227.97	5.34	89.50	5.70
126.37	5.33	329.57	5.34	89.60	5.70

内径 ID	綫径 W	内径 ID	綫径 W	内径 ID	綫径 W
93.60	5.70	173.80	5.70	289.00	5.70
98.60	5.70	174.30	5.70	289.30	5.70
99.60	5.70	178.60	5.70	294.30	5.70
100.00	5.70	180.00	5.70	296.00	5.70
103.60	5.70	183.60	5.70	298.60	5.70
105.00	5.70	186.60	5.70	303.60	5.70
108.60	5.70	188.60	5.70	307.30	5.70
109.60	5.70	193.60	5.70	308.60	5.70
113.60	5.70	198.60	5.70	313.60	5.70
114.20	5.70	203.60	5.70	318.60	5.70
114.60	5.70	208.60	5.70	319.30	5.70
118.60	5.70	213.60	5.70	320.00	5.70
119.60	5.70	215.00	5.70	323.60	5.70
120.00	5.70	218.60	5.70	324.30	5.70
123.60	5.70	219.30	5.70	328.60	5.70
124.60	5.70	223.60	5.70	329.50	5.70
125.00	5.70	228.60	5.70	335.00	5.70
128.60	5.70	233.60	5.70	338.60	5.70
129.60	5.70	238.60	5.70	340.00	5.70
133.60	5.70	243.00	5.70	348.60	5.70
134.60	5.70	243.60	5.70	349.30	5.70
135.00	5.70	248.60	5.70	350.00	5.70
138.60	5.70	249.30	5.70	354.30	5.70
143.60	5.70	253.60	5.70	358.60	5.70
145.00	5.70	257.90	5.70	360.00	5.70
148.60	5.70	258.60	5.70	364.30	5.70
149.60	5.70	260.00	5.70	368.60	5.70
153.60	5.70	263.60	5.70	378.00	5.70
158.60	5.70	265.00	5.70	378.60	5.70
159.30	5.70	268.60	5.70	388.60	5.70
160.00	5.70	273.60	5.70	389.30	5.70
163.60	5.70	278.60	5.70	393.30	5.70
168.60	5.70	279.30	5.70	398.60	5.70
170.00	5.70	283.60	5.70	418.60	5.70
173.60	5.70	288.60	5.70	428.60	5.70

内径 ID	綫径 W	内径 ID	綫径 W	内径 ID	綫径 W
435.00	5.70	88.27	6.99	329.57	6.99
438.60	5.70	91.00	6.99	342.27	6.99
444.30	5.70	91.44	6.99	345.97	6.99
494.30	5.70	97.79	6.99	384.70	6.99
499.30	5.70	100.97	6.99	393.00	6.99
548.60	5.70	107.32	6.99	405.26	6.99
679.30	5.70	114.70	6.99	481.46	6.99
32.50	6.00	129.50	6.99	552.24	6.99
38.00	6.00	129.54	6.99	608.08	6.99
50.00	6.00	132.72	6.99	633.48	6.99
53.00	6.00	148.59	6.99	50.00	7.00
73.00	6.00	159.12	6.99	60.00	7.00
74.00	6.00	164.00	6.99	66.00	7.00
88.00	6.00	164.40	6.99	68.00	7.00
104.00	6.00	164.47	6.99	76.00	7.00
108.00	6.00	167.47	6.99	85.00	7.00
110.00	6.00	180.50	6.99	86.00	7.00
115.00	6.00	183.52	6.99	87.00	7.00
128.00	6.00	186.02	6.99	88.80	7.00
180.00	6.00	202.57	6.99	90.00	7.00
188.00	6.00	208.90	6.99	91.00	7.00
249.00	6.00	208.91	6.99	92.00	7.00
258.00	6.00	211.02	6.99	96.00	7.00
290.00	6.00	217.00	6.99	97.00	7.00
300.00	6.00	227.97	6.99	100.00	7.00
325.00	6.00	234.32	6.99	101.00	7.00
420.00	6.00	240.67	6.99	103.00	7.00
448.00	6.00	242.00	6.99	106.00	7.00
120.00	6.30	250.00	6.99	109.00	7.00
30.00	6.50	259.00	6.99	112.00	7.00
35.00	6.50	259.70	6.99	115.00	7.00
912.00	6.70	266.06	6.99	116.80	7.00
78.50	6.99	285.11	6.99	117.00	7.00
78.74	6.99	295.50	6.99	118.00	7.00
81.92	6.99	304.17	6.99	120.00	7.00

内径 ID	綫径 W	内径 ID	綫径 W	内径 ID	綫径 W
122.00	7.00	243.00	7.00	475.00	7.00
128.00	7.00	244.00	7.00	487.00	7.00
132.00	7.00	247.00	7.00	499.00	7.00
136.00	7.00	250.00	7.00	500.00	7.00
140.00	7.00	255.00	7.00	515.00	7.00
145.00	7.00	258.00	7.00	530.00	7.00
150.00	7.00	265.00	7.00	545.00	7.00
155.00	7.00	272.00	7.00	560.00	7.00
158.10	7.00	280.00	7.00	580.00	7.00
160.00	7.00	290.00	7.00	590.00	7.00
165.00	7.00	292.00	7.00	600.00	7.00
168.80	7.00	300.00	7.00	615.00	7.00
170.00	7.00	307.00	7.00	630.00	7.00
175.00	7.00	315.00	7.00	650.00	7.00
180.00	7.00	320.00	7.00	670.00	7.00
183.50	7.00	325.00	7.00	700.00	7.00
184.00	7.00	330.00	7.00	890.00	7.00
185.00	7.00	335.00	7.00	942.00	7.00
186.00	7.00	345.00	7.00	582.00	7.50
190.00	7.00	354.97	7.00	55.00	8.00
195.00	7.00	355.00	7.00	405.00	8.00
198.00	7.00	365.00	7.00	114.50	8.40
200.00	7.00	373.00	7.00	140.00	8.40
202.00	7.00	375.00	7.00	270.00	8.40
205.00	7.00	380.00	7.00	329.50	8.40
206.00	7.00	384.70	7.00	344.50	8.40
210.00	7.00	387.00	7.00	369.50	8.40
212.00	7.00	400.00	7.00	409.50	8.40
216.00	7.00	411.00	7.00	414.50	8.40
218.00	7.00	412.00	7.00	434.50	8.40
224.00	7.00	425.00	7.00	484.50	8.40
225.00	7.00	430.00	7.00	574.50	8.40
230.00	7.00	437.00	7.00	642.00	8.40
236.00	7.00	450.00	7.00	908.00	8.40
242.00	7.00	462.00	7.00	147.80	8.60

内径 ID	綫径 W	内径 ID	綫径 W	内径 ID	綫径 W
152.80	8.60	502.80	8.60		
167.80	8.60	517.80	8.60		
227.80	8.60	652.80	8.60		
232.80	8.60	685.00	8.60		
235.00	8.60	912.00	8.60		
237.80	8.60	160.00	9.00		
247.80	8.60	180.00	9.00		
257.80	8.60	220.00	9.50		
262.80	8.60	80.00	10.00		
282.60	8.60	250.00	10.00		
282.80	8.60	524.50	10.00		
287.80	8.60	720.00	10.00		
292.80	8.60	732.50	10.00		
293.30	8.60	908.00	10.00		
297.80	8.60	358.00	10.30		
302.80	8.60	120.00	10.50		
307.80	8.60	258.00	11.00		
327.80	8.60	256.00	12.00		
332.80	8.60	585.00	12.00		
337.80	8.60	254.00	13.00		
342.80	8.60	534.00	26.00		
352.80	8.60	21.20	27.40		
362.80	8.60	24.40	30.60		
372.80	8.60				
377.80	8.60				
382.80	8.60				
395.00	8.60				
397.80	8.60				
422.80	8.60				
425.00	8.60				
430.50	8.60				
430.80	8.60				
445.00	8.60				
482.80	8.60				
485.00	8.60				

全氟化橡膠-FFKM

全氟化(FFKM)橡膠製品，是天福宏承為解決各種複雜，苛刻，極端工況條件，而研發引進的高端密封件產品。

全氟化(FFKM)橡膠具有集聚四氟乙烯(PTFE)優異的耐化學性，耐高溫性，和氟橡膠(FKM)良好彈性於一身的特殊性能，本公司依托強大的技術與研發能力，所研發生產的FKM、PTFE、FFKM各種類型密封件產品，被廣大高端行業、醫療、電子、化工、石油、閥門各戶認可與使用。

全氟化橡膠擁有寬廣的耐溫性，從最低 -20 攝氏度到最高溫度 326攝氏度，可適應絕大用戶的要求。

全氟化密封件應用領域

特性	行業	應用
耐油、耐溶劑、耐藥品性	分析儀器	◎氣體、液體的色譜儀的密封件。 ◎分析裝置的密封產品。 ◎監視系統機器類的密封、軟管、閥門、膜片類。
耐提取、耐洗脫、耐揮發性	理化學分析設備	◎熱、質量、電子綫、 X綫/真空、光學、提取等的分析、化工學精密設備中使用的軟管、閥門、膜片類。
耐溶劑性	塗料、塗裝儀器設備	◎泵、攪拌機、混合機類的密封、軟管、膜片部品。
	印刷設備	◎印刷滾筒、塗膠刀、膜片部品
	辦公3C設備	◎打印機等墨水用軟管、復印機用滾筒
	IC密裝半導體產業	◎過濾器、泵等的密封、軟管、膜片部品。
耐藥品性、耐熱水性	化學工業	◎醫藥、農藥制造的密封、軟管、閥門、膜片類。 ◎染料合成的密封、軟管、閥門、膜片類。 ◎樹脂制造的密封、軟管、閥門、膜片類。 ◎界面活性劑制造的密封、軟管、閥門、膜片類。
	電解工業	◎隔膜密封材、軟管部品。
	電池工業	◎密封、軟管。
	其他產業	◎有高腐蝕氣體性要求的軟管、閥門、膜片。

全氟化密封件牌號性能

行業	航空航天		石化流程			
	FFKM 牌號	7206	7205	7029	7212	7207
顏色	黑色	黑色	黑色	黑色	黑色	黑色
硬度 Shore A	75	75	75	75	75	80
溫度範圍	320℃ -6℃	325℃ -6℃	230℃ -20℃	260℃ -7℃	300℃ -6℃	230℃ -7℃
拉伸強度 Mpa	16.9	18.6	17.1	18.5	18.6	18.0
斷後拉伸 率%	175	160	260	195	170	160
壓縮永久變 形率*%, 70h,200℃	16	17	25	18	16	20
壓縮永久變 形率*%, 70h,230℃	21	20	32	30	21	30
壓縮永久變 形率*%, 70h,250℃	30	23	43	45	30	55
壓縮永久變 形率*%, 70h,300℃	58	31	-	-	58	-

*美標、日標、全尺寸可訂制

全氟化密封件牌號性能

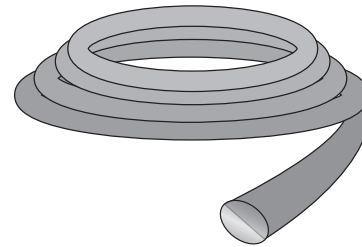
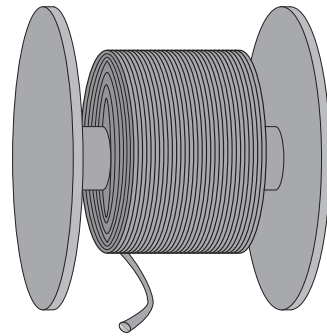
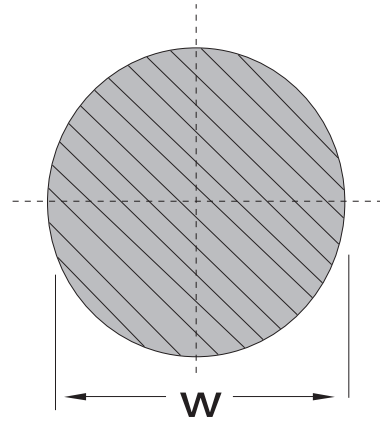
行業	食品 醫藥	半 導 體					
FFKM 牌號	1213	5032	5313	5395	5508	5509	5508
顏色	黑色	白色	白色	半透明	黑色	半透明	白色
硬度 Shore A	75	75	75	75	80	75	75
溫度範圍	230℃ -4℃	230℃ -7℃	300℃ -6℃	280℃ -6℃	230℃ -7℃	280℃ -6℃	325℃ -6℃
拉伸強度 Mpa	22.1	18.0	20.1	13.5	18.0	18.3	15.7
斷後拉伸 率%	165	190	190	235	160	200	246
壓縮永久變 形率*%, 70h,200℃	34	21	22	22	20	13	19
壓縮永久變 形率*%, 70h,230℃	39	50	25	23	30	25	19
壓縮永久變 形率*%, 70h,250℃	50	70	31	25	55	40	18
壓縮永久變 形率*%, 70h,300℃	-	-	-	31	-	45	33

*美標、日標、全尺寸可訂制

耐油O型條 Rubber Cord

材質:

丁腈橡膠/NBR
 硅橡膠/VMQ/SI
 氟橡膠/FPM



綫徑w--m/m
1.20
1.50
1.78
2.50
2.62
3.00
3.50
4.00
4.50
5.00
5.34
5.50

綫徑w--m/m
6.00
6.50
7.00
7.50
8.00
8.50
9.00
9.50
10.00
11.00
12.00
13.00

綫徑w--m/m
14.00
15.00
16.00
17.00
18.00
19.00
20.00
21.00
22.00
23.00
24.00

四氟包覆O形型圈 PTFE Encapsulated O-Ring



產品信息：

CHEM 密封圈結合了橡膠的彈性和聚四氟乙烯的耐化學性，它是由一個硅膠或氟膠制的內芯和相對較薄的 FEP 或 PFA 外覆層組合而成。

包覆O型圈可應用于普通橡膠O型圈無法適應的某些化學介質等特殊工作環境中。彈性由橡膠內芯產生，而抗化學介質特性由無縫的FEP/PFA包覆層保證，該產品既有橡膠O型圈所具有的彈性、低壓縮永久變形性能，又具有FEP/PFA所特有的耐熱、耐寒、耐油、耐磨、耐氣候老化、耐化學介質腐蝕等特性，可應用于各種動、靜密封場合，可代替部分傳統的橡膠O型圈和昂貴的全氟醚O型圈

Product Info:

The seal combines the elasticity of rubber and the chemical resistance of Teflon. It is a combination of a silicon or FKM O-Ring and a thin FEP or PFA outer layer.

Encapsulated o-rings are specialty seals designed for use in applications where high temperature and corrosive conditions make the use of traditional elastomer o-rings in-feasible.

The o-rings are comprised of two parts: a rubber inner core, which provides compression and elasticity, and a thin outer jacket made from Teflon®, which gives the seal high corrosion resistance and thermal stability. They are widely used in chemical, petrochemical, food, and pharmaceutical processes, where seals are required to

perform reliably in extremely harsh environments. Encapsulated o-rings are ideal in static applications, but in many situations have also been used in dynamic applications like mechanical seals.

材質適用溫度範圍：

外殼：FEP-60°C...205°C可在260°C高溫下短時間使用

外殼：PFA-60°C...260°C可在300°C高溫下短時間使用

內芯：F--氟橡膠

內芯：S--硅橡膠

Temperature Range:

Layer : FEP -60°C to 205°C Maximum 260°C

Layer : PFA -60°C to 260°C Maximum 300°C

O-Ring : FKM

O-Ring : SILICON

主要優點：

- 1、突出的耐化學性能，幾乎適用所有化學介質
- 2、抗腐蝕性優良
- 3、溫度適用範圍寬
- 4、耐壓縮性好
- 5、抗摩擦
- 6、良好的抗溶漲性
- 7、耐高壓
- 8、優異的密封持久性，使用壽命長

Main Advantage:

1. Outstanding chemical resistance, almost to all chemical medium
2. Excellent corrosion resistance
3. Broad range in working temperature
4. Good Impact Strength
5. Abrasion Resistant
6. Low absorption
7. High Pressure Resistant
8. Uniformity, Long Life

應用設備和行業：

應用設備：

1. 泵和閥門、
2. 反應容器、
3. 壓力容器、
4. 過濾器、
5. 機械密封、
6. 換熱器、
7. 鍋爐、
8. 管路法蘭、
9. 氣體壓縮機

應用行業：

1. 制藥工業、
2. 石油化工、
3. 油漆噴塗、
4. 造紙業、
5. 染料制造、
6. 制冷工業、
7. 食品加工業、
8. 飛機制造業、
9. 煉油行業

Application Machinery and Industry:

Application Machinery:

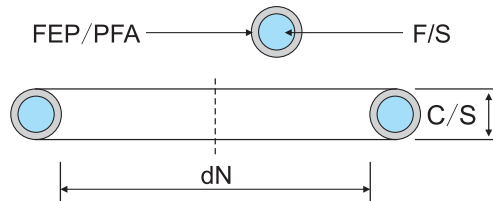
1. Valve and Pump
2. Reaction Vessel
3. Pressure Vessel
4. Filter
5. Mechanical Seal
6. Heat Exchanger
7. Boiler
8. Flange
9. Air Compressor

Application Industry:

1. Pharmaceutic Industry
2. Petrochemical Industry
3. Painting Industry
4. Pulp & Paper Making Industry
5. Dyeing Process
6. Air Condition
7. Food Industry
8. Aerial Equipment
9. Oil Refinery

型號規格描述：

Description:



各種截徑的最小內徑表 C/S and ID

截徑 C / S	最小內徑 ID	截徑 C / S	最小內徑 ID
1.50	9.00	2.00	12.00
1.60	9.00	2.40	12.00
1.78	9.25	2.50	12.00

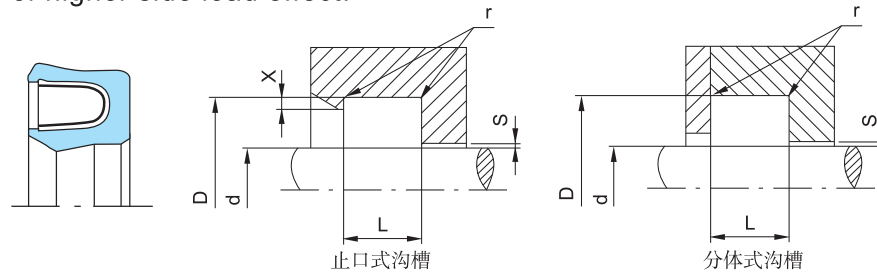
截 徑 C / S	最小内徑 ID	截 徑 C / S	最小内徑 ID
2.62	12.37	25.40	31.75
3.00	16.00	240.00	505.00
3.15	16.00		
3.50	17.00		
3.53	17.00		
3.80	18.00		
4.00	20.00		
4.30	20.00		
4.50	20.00		
4.75	22.00		
5.00	25.00		
5.33	25.00		
5.50	26.00		
5.70	28.00		
6.00	30.00		
6.30	32.00		
6.50	35.00		
6.99	40.00		
7.00	40.00		
7.50	50.80		
8.00	50.80		
8.40	50.80		
9.00	60.00		
9.50	60.00		
10.00	65.00		
11.00	70.00		
12.00	70.00		
12.70	70.00		
14.00	130.00		
15.00	177.80		
16.00	177.80		
18.00	177.80		
19.00	203.20		
20.00	225.00		

VP型特康泛塞密封

VP Spring Energized PTFE Piston/Rod Seal

由一專用螺旋彈簧施力的單作用活塞(桿)密封，由於它的磨擦力小，且在很大的變形範圍內預加負載力相當穩定。VP 型泛塞密封用在磨擦力必須保持在很窄的允差範圍內，例如在壓力開關的場合。

VP seal is designed for thermal and corrosive extremes that make the requirement for a stable seal leg unobtainable using other designs or material. It demonstrates excellent capability to the control of friction and compensation of manufacturing tolerance or higher side load effect.



TYPE	d*D*L
VP	2*6*3.3
VP	3*6*3.3
VP	2*7*3.3
VP	2.5*7*3.3
VP	4*7*3.3
VP	3*8*3.3
VP	4*8*3.3
VP	5*8*3.3
VP	4*8*3.3
VP	5*8*3.3
VP	4*9*3.3
VP	4.5*9*3.3
VP	5*9*3.3
VP	6*9*3.3

TYPE	d*D*L
VP	4*9.5*3.3
VP	4.5*9.5*3.3
VP	5*9.5*3.3
VP	4*10*3.3
VP	5*10*3.3
VP	6*10*3.3
VP	5*12*3.3
VP	6*12*3.3
VP	7*12*3.3
VP	8*12*3.3
VP	8.5*12*3.3
VP	9*12*3.3
VP	5*13*3.3
VP	6*13*3.3

TYPE	d*D*L
VP	6.8*13*3.3
VP	7*13*3.3
VP	8*13*3.3
VP	8.5*13*3.3
VP	9*13*3.3
VP	10*13*3.3
VP	6*14*3.3
VP	6.8*14*3.3
VP	7*14*3.3
VP	8*14*3.3
VP	9*14*3.3
VP	10*14*3.3
VP	6*15*3.3
VP	7*15*3.3
VP	8*15*3.3
VP	9*15*3.3
VP	10*15*3.3
VP	7*16*3.3
VP	8*16*3.3
VP	9*16*3.3
VP	10*16*3.3
VP	12*16*3.3
VP	10*17*3.3
VP	12*17*3.3
VP	13*17*3.3
VP	8*18*3.3
VP	9*18*3.3
VP	10*18*3.3
VP	11.4*18*3.3
VP	12.6*19.2*3.3
VP	13.4*20*3.3
VP	14.6*22*3.7
VP	16.6*24*3.7
VP	42.6*25*3.7
VP	18.6*26*3.7

TYPE	d*D*L
VP	20.6*28*3.7
VP	22*30*4
VP	23*31*4
VP	23.5*31.5*4
VP	25*33*4
VP	27*35*4
VP	27.4*35.4*4
VP	27.5*35.5*4
VP	29.6*38*4.2
VP	31.6*40*4.2
VP	32.6*41*4.2
VP	33.6*42*4.2
VP	36.1*44.5*4.2
VP	36.6*45*4.2
VP	41*50*4.5
VP	42.5*51.5*4.5
VP	46*55*4.5
VP	47*56*4.5
VP	51*60*4.5
VP	52*61*4.5
VP	54*63*4.5
VP	56*63*4.5
VP	57*66*4.5
VP	60*69*4.5
VP	60*70*5
VP	61*71*5
VP	65*75*5
VP	66*76*5
VP	70*80*5
VP	75*85*5
VP	79*90*5.5
VP	84*95*5.5
VP	89*100*5.5
VP	94*105*5.5
VP	97.6*110*6.2

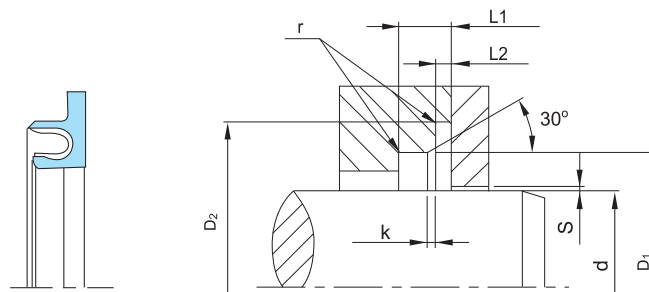
TYPE	d*D*L	TYPE	d*D*L
VP	99.6*112*6.2		
VP	102.6*115*6.2		
VP	107.6*120*6.2		
VP	112.6*125*6.2		
VP	117*130*6.5		
VP	119*132*6.5		
VP	127*140*6.5		
VP	136.6*150*6.7		
VP	143.6*157*6.7		
VP	146.6*160*6.7		
VP	151.6*165*6.7		
VP	156.6*170*6.7		
VP	166.2*180*6.9		
VP	171.2*185*6.9		
VP	176.2*190*6.9		
VP	185.6*200*7.2		
VP	190.6*205*7.2		
VP	195.6*210*7.2		
VP	200.6*215*7.2		
VP	205.6*220*7.2		
VP	209.6*224*7.2		
VP	210.6*225*7.2		
VP	215.6*230*7.2		
VP	225.6*240*7.2		
VP	234.6*250*7.7		
VP	244.6*260*7.7		
VP	254.6*270*7.7		
VP	259.6*275*7.7		
VP	264.6*280*7.7		
VP	274.6*290*7.7		
VP	281.6*297*7.7		
VP	284*300*8		
VP	296*312*8		
VP	316*332*8		

VD型旋轉泛塞密封

VD Spring Energized PTFE Rotary Seal

它是一種用於旋轉軸處的單向作用密封，由一U型密封套和一個V型不鏽鋼彈簧所組成。由於再外部有一凸緣，所以可以防止它在溝槽內旋轉，特康旋轉泛塞密封唇短而厚，降低了摩擦，使用壽命長，在黏度很高的介質中也有良好的防塵效果。

A single-acting sealing element comprised of a U-shaped ring and metallic energizing finger spring. It offers low friction with no stick-slip, minimized break out force and high wear resistance. Its constrained flange eliminates potential seal rotation and it is resistant to most liquids and chemicals. Unlimited shelf life.



TYPE	d*D*
VD	20.5*30*4.3*3.3
VD	22*31.5*4.3*3.3
VD	22.5*32*4.3*3.3
VD	25.5*35*4.3*3.3
VD	26*35.5*4.3*3.3
VD	30*40*4.3*3.3
VD	35*45*4.3*5.0
VD	40*50*4.3*5.0
VD	45*55*4.3*5.0
VD	46*56*4.3*5.0
VD	50*60*4.3*5.0
VD	48*63*7.3*5.0

TYPE	d*D*
VD	50*65*7.3*5.0
VD	54*69*7.3*5.0
VD	55*70*7.3*5.0
VD	56*71*7.3*5.0
VD	60*75*7.3*5.0
VD	65*80*7.3*5.0
VD	70*85*7.3*5.0
VD	75*90*7.3*5.0
VD	80*95*7.3*5
VD	85*100*7.3*5
VD	92*108*7.3*5
VD	94*110*7.3*5

TYPE	d*D*
VD	96*112*7.3*5
VD	104*120*7.3*6
VD	109*125*7.3*6
VD	114*130*7.3*6
VD	124*140*7.3*6
VD	129*145*7.3*6
VD	134*150*7.3*6
VD	139*155*7.3*6
VD	144*160*7.3*6
VD	148*170*10.8*7.5
VD	158*180*10.8*7.5
VD	168*190*10.8*7.5
VD	178*200*10.8*7.5
VD	182*201*10.8*7.5
VD	188*210*10.8*7.5
VD	192*220*10.8*7.5
VD	202*224*10.8*7.5
VD	203*225*10.8*7.5
VD	208*230*10.8*7.5
VD	218*240*10.8*7.5
VD	228*250*10.8*7.5
VD	236*260*11.7*8
VD	246*270*11.7*8
VD	256*280*11.7*8
VD	266*290*11.7*8
VD	276*200*11.7*8
VD	286*310*11.7*8
VD	296*320*11.7*8
VD	308*330*9.75*8
VD	336*360*11.7*8
VD	455*485*14.8*10
VD	470*500*14.8*10
VD	515*550*17.2*10
VD	570*600*14.8*10
VD	620*650*14.8*10

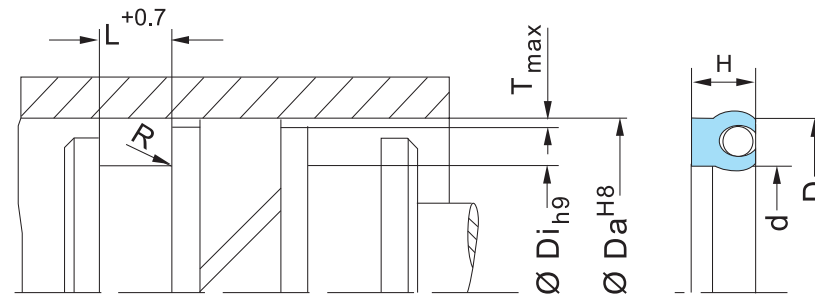
TYPE	d*D*
VD	690*720*14.8*10
VD	785*800*12.7*10
VD	870*900*24.5*10
VD	980*930*19*15
VD	920*935*12.7*15
VD	925*950*17.7*15
VD	960*1000*19.7*15

HR型特康泛塞密封

HR Spring Energized PTFE Flange Seal

含有一U型特康圈和一盤繞的不繡鋼施力彈簧的單作用密封元件。單位密封力大。即使在低溫也能封住氣體。

A single-acting sealing element comprised of a U-shaped ring and a coiled metallic energizing spring. The seal has a high specific sealing force and gives gas-tight sealing even at low temperatures. Resistant to most liquids and chemicals it has unlimited shelf life. Used for radial static or slightly dynamic applications, the seal is available in versions for cryogenic service.



TYPE	d*D*H
HR	3*6*2.3
HR	4*7*2.3
HR	5*8*2.3
HR	6*9*2.3
HR	7*10*2.3
HR	8*11*2.3
HR	9*12*2.3
HR	10*13*2.3
HR	10*14*3
HR	11*15*3
HR	11.2*15.2*3
HR	12*16*3
HR	12.5*16.5*3
HR	14*18*3

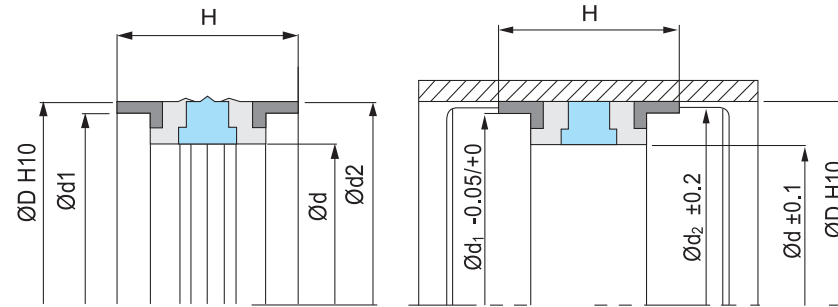
TYPE	d*D*H
HR	15*19*3
HR	16*20*3
HR	18*22*3
HR	20*24*3
HR	21*25*3
HR	22*26*3
HR	22*28*4.4
HR	22.4*28.4*4.4
HR	24*30*4.4
HR	25*31*4.4
HR	25.5*31.5*4.4
HR	26*32*4.4
HR	28*34*4.4
HR	29*35*4.4

TYPE	d*D*H
HR	29.5*35.5*4.4
HR	30*36*4.4
HR	31*37*4.4
HR	31.5*37.5*4.4
HR	32*38*4.4
HR	34*40*4.4
HR	35*41*4.4
HR	35.5*41.5*4.4
HR	36*42*4.4
HR	38*44*4.4
HR	39*45*4.4
HR	40*46*4.4
HR	41*47*4.4
HR	42*48*4.4
HR	44*50*4.4
HR	45*51*4.4
HR	58*68*7
HR	60*70*7
HR	62*72*7
HR	63*73*7
HR	65*75*7
HR	67*77*7
HR	70*80*7
HR	71*81*7
HR	28*34*4.4
HR	29*35*4.4
HR	29.5*35.5*4.4
HR	30*36*4.4
HR	31*37*4.4
HR	31.5*37.5*4.4
HR	32*38*4.4
HR	34*40*4.4
HR	35*41*4.4
HR	35.5*41.5*4.4
HR	36*42*4.4

TYPE	d*D*H
HR	38*44*4.4
HR	39*45*4.4
HR	40*46*4.4
HR	41*47*4.4
HR	42*48*4.4
HR	44*50*4.4
HR	45*51*4.4
HR	58*68*7
HR	60*70*7
HR	62*72*7
HR	63*73*7
HR	65*75*7
HR	67*77*7
HR	70*80*7
HR	71*81*7
HR	185*200*10.5
HR	190*205*10.5
HR	195*210*10.5
HR	200*215*10.5
HR	205*220*10.5
HR	209*224*10.5
HR	210*225*10.5
HR	215*230*10.5
HR	220*235*10.5
HR	225*240*10.5
HR	230*245*10.5
HR	235*250*10.5
HR	240*255*10.5
HR	245*260*10.5
HR	250*265*10.5
HR	255*270*10.5
HR	260*275*10.5
HR	265*280*10.5
HR	270*285*10.5
HR	275*290*10.5

KDAS密封件

KDAS Double Acting Seal



一、概述：

KDAS組合封是個雙作用的活塞密封件，由三部分組成：一個彈性體A、兩個支撐環B、兩個導向環C。彈性體A有一個特別截面，三個密封唇口緊貼缸壁（動密封）。中間唇口較厚，起主要密封作用，其他兩個唇口起輔助密封作用。底側與活塞溝槽底部緊貼（靜密封），接觸面相對較大。支撐環B置於A兩側起定位作用。來支撐彈性體A并防止A出現徑向密封間隙。支撐環B呈階梯狀，與密封元件接觸的一側有許多凸塊用以防止密封圈在工作時旋轉。導向環C呈矩形，裝在活塞上起導向和吸收軸向力的作用。導向環上下都開了幾條軸向槽，使壓力油能流過導向環，從而使彈性體A能感受全部工作壓力再換方向時快速釋放壓力。這樣就很好的防止了在彈性體A前產生持續超高壓。KDAS組合材料的硬度從內到外逐步增加，根據其特點，分別起到密封，支撐和導向作用。

二、性能與用途：

緊湊的密封結構使活塞總長度較短，降低了加工成本有著極佳的抗間隙積壓性能。工作時彈性體不會扭轉，有着合理的泄露以減少摩擦。主要用於活塞及液壓缸的密封。如：推土機、挖掘機、裝載機、起重機、液壓閘門及農業機械等。

三、材質：

彈性體 – 丁腈橡膠

支撐環 – 尼龍或聚氨脂

導向環 – 尼龍或聚甲醛

四、工作條件：

溫度：-30~+120℃，最大工作壓力：35MPa，最大轉速0.5m/s。

1. Description

A double-acting compact piston seal with an integrated Back-up Ring and guide ring. The multi-lip elastomer seal element is backed on both sides with fiber-reinforced profile rings. Recommended for high pressure applications and where vibration occurs.

2. Appliance and Property

The KDAS double-acting piston seal in a robust five part assembly is designed specifically for one piece pistons in a wide range of medium duty applications. The seal is also suitable for two piece pistons.

3. Material

Elastomer: NBR

Back-up Ring: Nylon or PU

Glyd Ring: Nylon or POM

4. Working Conditions

Working Temperature: -30℃ to 120℃

Maximum working pressure: 35Mpa

Maximum line speed: 0.5m/s

TYPE	d*D*H	TYPE	d*D*H
KDAS020	11*20*17.7	KDAS025/3	16*25*17.7
KDAS022	13*22*17.7	KDAS028	19*28*17.7
KDAS025	15*25*29.1	KDAS030	17*30*28.1
KDAS025/1	15*25*20	KDAS030/1	21*30*17.7
KDAS025/2	15*25*20.5	KDAS032	22*32*29.1

TYPE	d*D*H
KDAS032/1	22*32*20.7
KDAS032/2	24*32*21.9
KDAS035	25*35*29.1
KDAS035/1	25*35*20.7
KDAS040	24*40*31.1
KDAS040/1	26*40*20.7
KDAS040/2	30*40*29.1
KDAS040/3	30*40*20.5
KDAS040/4	30*40*20.5
KDAS040/5	32*40*21.9
KDAS042	28*42*20.4
KDAS045	29*45*31.1
KDAS045/1	31*45*20.7
KDAS045/2	35*45*29.1
KDAS050	34*50*31.1
KDAS050/1	34*50*26.7
KDAS050/2	38*50*28.9
KDAS055	39*55*31.1
KDAS055/1	39*55*26.7
KDAS056	40*56*26.7
KDAS060	44*60*31.1
KDAS060/1	44*60*26.7
KDAS060/2	48*60*28.9
KDAS063	47*63*31.1
KDAS063/1	47*63*26.7
KDAS063/2	47*63*32.1
KDAS063/3	51*63*28.9
KDAS065	49*65*26.7
KDAS065/1	50*65*31.1
KDAS070	50*70*35.1
KDAS070/1	54*70*26.7
KDAS070/2	58*70*28.9
KDAS075	55*75*35.1
KDAS075/1	59*75*26.7
KDAS080	60*80*35.1

TYPE	d*D*H
KDAS080/1	62*80*29.7
KDAS080/2	66*80*32.9
KDAS085	65*85*35.1
KDAS090	70*90*35.1
KDAS090/1	72*90*29.7
KDAS090/2	76*90*32.9
KDAS095	75*95*35.1
KDAS100	75*100*35.1
KDAS100/1	80*100*38.1
KDAS100/2	82*100*29.7
KDAS100/3	86*100*32.9
KDAS105	80*105*35.1
KDAS110	85*110*35.1
KDAS110/1	92*100*29.7
KDAS110/2	96*110*32.9
KDAS115	90*115*35.1
KDAS115/1	97*115*29.7
KDAS120	95*120*35.1
KDAS120/1	106*120*32.9
KDAS125	100*125*38.1
KDAS125/1	103*125*36.7
KDAS125/2	108*125*40.9
KDAS130	105*130*44.4
KDAS130/1	105*130*38.1
KDAS130/2	113*130*40.9
KDAS135	110*135*44.4
KDAS135/1	110*135*38.1
KDAS140	115*140*44.4
KDAS140/1	115*140*38.1
KDAS140/2	118*140*36.7
KDAS140/3	123*140*40.9
KDAS145	120*145*44.4
KDAS145/1	120*145*38.1
KDAS150	125*150*44.4
KDAS150/1	125*150*38.1

TYPE	d*D*H
KDAS150/2	128*150*36.7
KDAS150/3	133*150*40.9
KDAS155	130*155*44.4
KDAS155/1	130*155*38.1
KDAS160	130*160*38.1
KDAS160/1	130*160*44.4
KDAS160/2	135*160*44.4
KDAS160/3	138*160*36.7
KDAS160/4	143*160*40.9
KDAS165	140*165*44.4
KDAS170	145*170*50.8
KDAS170/1	148*170*36.7
KDAS175	150*175*50.8
KDAS180	150*180*48.1
KDAS180/1	155*180*50.8
KDAS185	160*185*50.8
KDAS190	165*190*50.8
KDAS195	170*195*50.8
KDAS200	175*200*50.8
KDAS210	185*210*50.8
KDAS220	190*220*48.1
KDAS220/1	195*220*50.8
KDAS230	205*230*50.8
KDAS240	215*240*50.8
KDAS250	220*250*48.1
KDAS250/1	225*250*50.8

TYPE	d*D*H

