

KTSeal Company



KTSEAL

中文型錄



科騰密封股份有限公司
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公司簡介

科騰密封股份有限公司

科騰密封股份有限公司成立於1998年，開始之建廠計畫即以高科技公司之廠房及設備的標準進行規劃，本公司也以高標準來生產橡膠密封件，如廠房規劃、人員、設備、行銷均與一般傳統橡膠製造商不同，目前擁有自行製造之KT系列全氟化橡膠O-RING之技術，此產品主要用於耐酸、鹼、耐高溫，需潔淨度佳的環境。

產品介紹

· O型環 · V型環 · X型環 · 膠條 · 膠板 · 油封 · 墊片 · 吸盤

產品材質介紹

- **KTSEAL發展全新高效超大尺寸O-RING**
- 高氟(HFKM)
- 矽橡膠(VMQ)
- EPDM
- 鐵氟龍(PTFE)
- 全氟化橡膠(FFKM)
- 半氟化橡膠(FKM;Viton)
- 氟矽橡膠(FVMQ)
- NBR
- 包覆式(PFA)O-Ring
(FEP)O-Ring

未來導向

本公司接受小量訂單、24小時提供專業的業務及技術人員針對您獨特的銷售及技術問題來創造量身訂制的解決方案服務。本公司提供服務的產業含蓋了有傳統產業及半導體產業、光電、石化、印刷、紡織及真空產業。傾向於專精半導體、光電及真空產業，致力研發生產更耐高溫、更高抗化性的O-ring。以確保完全滿足高精密產業的需求為主旨。

結語

KTSEAL身為人造橡膠O-RING世界主要供應者。所追求的是最高品質的產品，以及提供極具有競爭力的價格為目標。希望在這充滿競爭的洪流中，只要您願意給我們機會，我們將竭盡所能、為您的競爭力，盡一份心力。



科騰密封

全氟化橡膠的故事



-1970

杜邦彈性體公司首先發展全氟化橡膠

-1986

接著Greene Tweed公司也發展自有品牌Chemraz並取得專利權

-1995

杜邦全氟彈性體具有提供技術性及商業性的優勢，但後進者技術及銷售已與杜邦不相上下，甚至取得領先

-1998

科騰在台灣新竹，設立生產線並擁有全氟化橡膠的生產能力，2006年取得ISO9001認證，並迅速取得技術上及商業上的優勢，客戶遍及世界各個產業

-2012

科騰為服務南區客戶，於台南科學園區成立南區分公司，提供即時、專業、在地化的服務

-2022

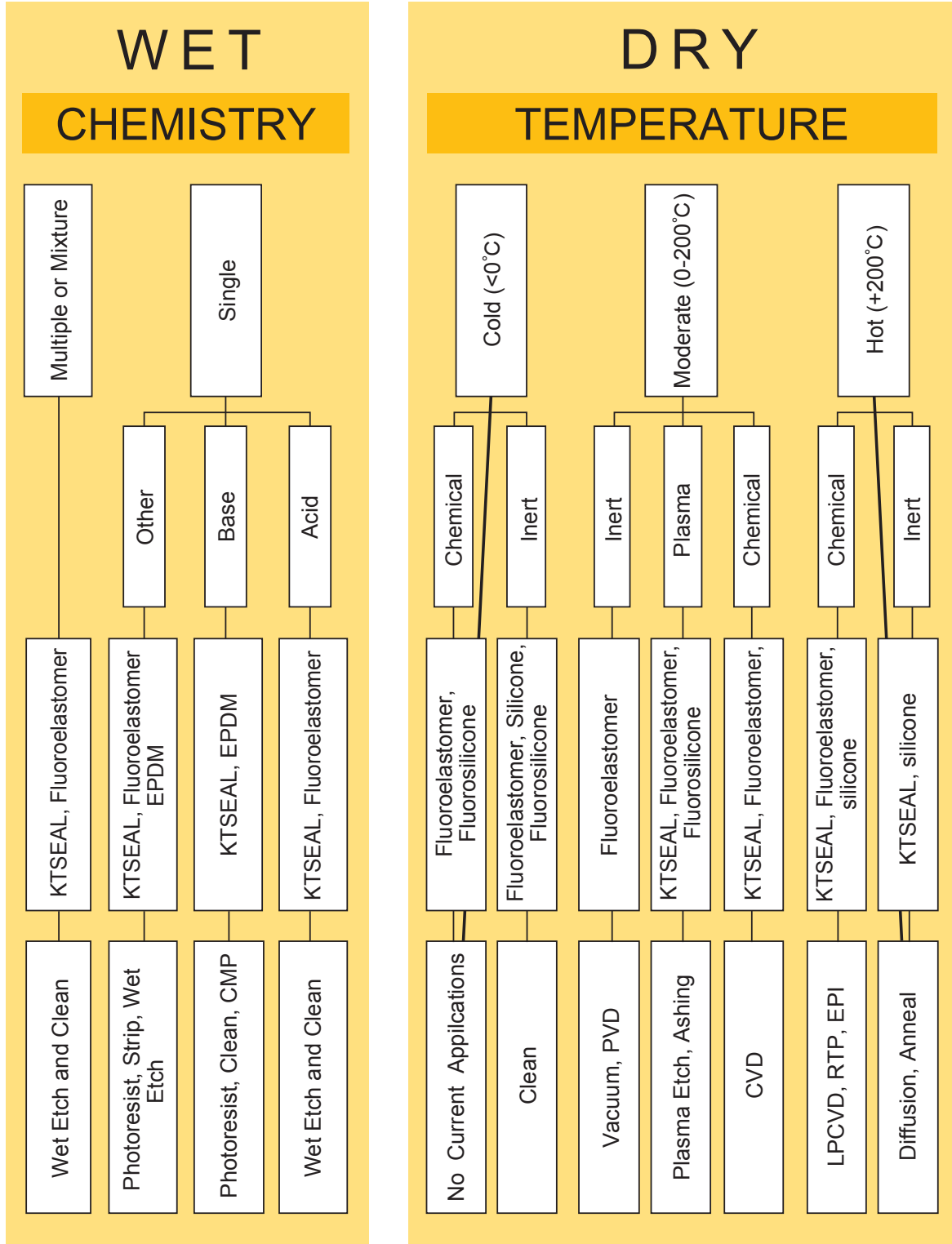
科騰密封於竹北成立自動化全新廠房。

市場分佈

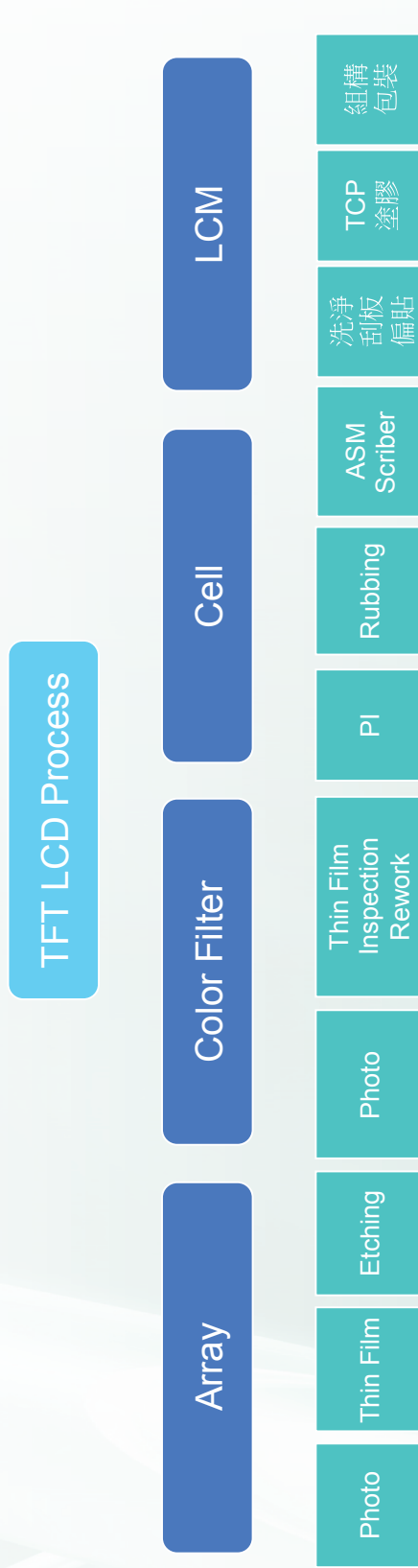
- 半導體
 - ※晶圓廠的設備
 - ※化學傳送系統
 - ※幫浦、閥件、過濾器...等
- 大部份使用的O形環非標準規格
- 特殊的酸鹼藥液及電漿
- 高真空
- 低污染
- 密封氣體
 - ※乾製程：TEL.LAM.AKT
 - ※濕製程：DNS.SES
- TFT LCD、太陽能、LED廠設備
 - ※機械用的密封件
 - ※幫浦
 - ※閥件
 - ※接頭
 - ※攪拌器
 - ※管件
- 靜態或動態(O形環)
- 相當低的壓力(O形環)
- 寬廣的溫度範圍
- 耐化學的能力、擴散(Diffusin)設備
- 密封氣體
 - ※乾製程：化學氣相沉積<CVD>、
蝕刻(ETCH)設備
TEL.ULVAC.AKT.TEMPRESS.R&R
 - ※濕製程：顯影、蝕刻、清洗設備Rena



ENVIRONMENT



市場分佈



1. 一般水洗或乾段耐磨O-RING=>材質：EPDM,VT,KTS708
適用設備:Pack CLN、CLN、Etching、Stripper、Rework水段與乾段
2. 耐酸鹼O-RING=>材質：KTA1017,KTA1107,KTA2807,KTA297,KT8108,KT8507,KTS708,KTS706,VT
適用設備:Pack CLN、Etching、Stripper、Rework藥劑段
3. 耐溶劑=>材質：KTA1017,KTA1107,KTA2807,KTA2917,KT8108,KTS706
適用設備:COT 蝶型閥
4. 真空用=>材質：KT8507,KTS704
適用設備:Thin film Chamber、COT VCD Chamber

市場分佈

- 石化業
 - ※石油的生產設備
 - ※一般機械設備
 - ※化學注入的設備
- 靜態及動力學
- 較高的壓力
- 寬廣的溫度範圍
- 減低高爆的壓力
- O形環、V形環
膜片及特殊規格品的製作
- 安全閥、閥門



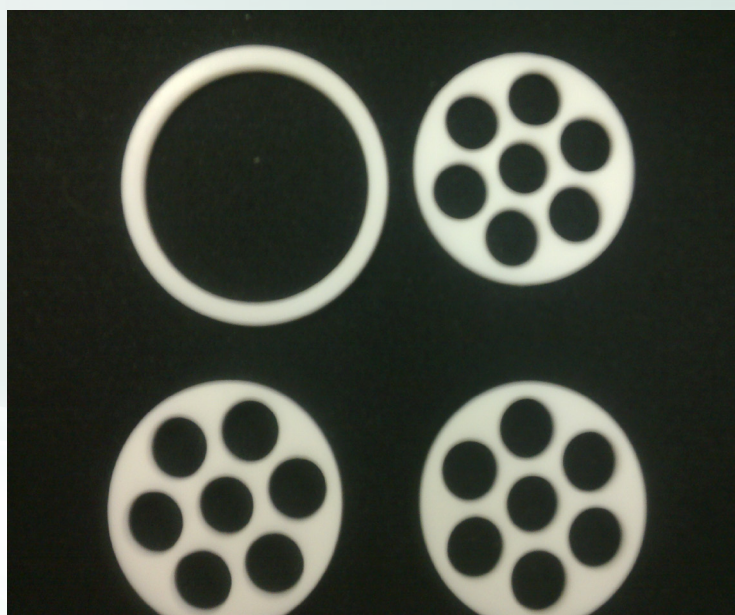
可製作的產品

- 全氟、高氟、半氟化O形環
- V形環
- 膠條、吸盤、墊片
- 不限尺寸無限大的O形環
- Coating PTFE
- 包覆式密封件
- 特殊規格的模具製作
- 唇封型墊圈
- PTFE工件
- 無輪痕密封



PTFE

- 鐵氟龍
- O-ring 活塞環
- 油封
- 密封墊
- 鐵氟龍製品
- PTFE Coating



閘刀

KTSEAL品質保證的氟素橡膠接合鐵氟龍及金屬材質的模片及閘件，可以選擇其中一種產品，它們提供在化學藥品的挑戰應用：



- 均有繞曲性及彈性
 - 有好的化學抵抗性
 - 有好的物性
 - 好的延伸率及使用壽命
 - 在真空高壓幫浦有好的表現
 - 降低了使用成本
- * 主要用於半導體設備真空閘件



超大尺寸O-ring

- 客製化長度
- 良好的物性
- 降低成本
- 不需要開模具



V形環

KT唇型密封件（V形環）的生產線可提供及建議任何彈性體以外的材質及選擇，用於極度繞性端面的密封是最佳的選擇。







材質選擇





	混合物	材質	化學名
PLASTICS			
	Polyamideimide (PAI)	TORLON	
	Polybenzimidazole (PBI)	CELAZOLE	-(C7 H6 N2)-
	Polycarbonate (PC)		-COOC6H5C(CH3)2C6H O-
	Polyethylene (PE)		-C H2 CH2-
	Polyetheretherketone (PEEK)	KETRON	-C6H5-CO-C6 H5-O-C6 H-
	Polyetherimide (PEI)	ULTEM	
	Polyamide (PI)	DURATRON	N(C2O2)C6H5(C2O2)N-R-
	Polypropylene (PP)		-CH2CH(CH3)-
	Polyphenylenesulfide (PPS)	TECHTRON	
	Polyvinylidene Fluoride (PVDF)		-CH2CF2-
	Flourinated Ethylene-Propylene (FEP)	TEFLON FEP	-CF2CF2-CF2CF(CF3)-
	Perfluoroalkoxy (PFA)	TEFLON PFA	-CF2CF2-CF2CF(OCF3)-
	Polytetrafluoroethylene (PTFE)	TEFLON PTFE	-CF2CF2-
RUBBER			
	Nitrile (Buna-N)	PARACRIL ,CHEMIGUM	-CH2CH=CH(CH2)2CHCH(CN)-
	Ethylene-Propylene Diene	VISTALON ,NORDEL	-CH2CH2-CH2CH(CH3)-
	Silicone	SILASTIC ,SILPLUS	-OSi(CH3)2-OSi(CH3)(CH=CH2)-
		SILASTIC LS,FSE	-OSi(CH3)(CH=CH2)-
			-OSi(CH3)(CH2CH2CF3)-
	Fluoroelastomer A	VITON ,FLUOREL	-CH CF2-CF2CF(CF3)-
	Fluoroelastomer B		-CH2CF2-CF2CF(OF3)-CF2CF2-
	Fluoroelastomer GF		-CH2CF2-CF2CF(OCF3)-CF2CF2-
	Fluoroelastomer ETP	VITON ,ETP	-CF2CF2-CH2CH(CH3)-
	Fluoroelastomer TFE/P	AFLAS	-CF2CF2-CF2CF(OCFnCF)-
	Perfluoroelastomer	KT,CHEMRAZ	
		KALREZ	
OTHER			
	Siliconefluoro	SIFEL	Si(CF2-CF-O)Si





KTseal-SERIES O-RING 特性簡介

KTseal Compound	KTS701 KTS704 KTS706 KTS708 KTS725 KTS7系列	VITON	F-SILICON	SILICONE
ASTM D1418	H FKM	FKM	FVMQ	VMQ
Durometer Hardness, Shore A, points ± 5 (ASTM D2240)	60 ± 5 75 ± 5 90 ± 5	60 ± 5 75 ± 5 90 ± 5	75 ± 5	75 ± 5
Color	White/Black	Black/Brown/Green	Blue	Red/CL
Low Temperature~Max. Temperature	-10~240	-20~200	-20~180	-20~230
picture				

KTseal Compound	EPDM	NBR(BUNA)	VITON 包覆式 (PFA/FEP)	SILICON 包覆式 (PFA/FEP)
ASTM D1418	EPDM	NBR(BUNA)	VT+PTFE	SI+PTFE
Durometer Hardness, Shore A, points ± 5 (ASTM D2240)	75 ± 5	75 ± 5	90 ± 5	90 ± 5
Color	Black/Gray	Black	Black	Red
Low Temperature~Max. Temperature	-20~150	-20~120	0~200	0~200
picture				

KTseal-SERIES O-RING 特性簡介

KTseal Compound	KTA1947 KTB2128	KTA1107 KTA1017 KTA1417 KTA1517 KTA2807 KTA2917	KT8108 KT8118	KT8106 KT8116
FFKM/FKM (ASTM D1418)	FFKM	FFKM	FFKM	FFKM
Durometer Hardness, Shore A, points ± 5 (ASTM D2240)	75 ± 5	75 ± 5	80 ± 5	60 ± 5
Color	Amber	White/Black	White/Black	White/Black
Low Temperature~ Max. Temperature	-20~300 -20~250	-20~300 -20~250	-20~300	-20~300
Wet Process	Excellent	Excellent	Excellent	Excellent
Dry Process	Excellent	Excellent	Excellent	Excellent
Product				

KTseal Compound	KT8107	KT8507 KT8517	KT8607 KT8617	KT8609 KT8619
FFKM/FKM (ASTM D1418)	FFKM	FFKM	FFKM	FFKM
Durometer Hardness, Shore A, points ± 5 (ASTM D2240)	70 ± 5	75 ± 5	75 ± 5	90 ± 5
Color	Black	White/Black	White/Black	White/Black
Low Temperature~ Max. Temperature	-20~300	-20~260	-20~260	-20~260
Wet Process	Excellent	Excellent	Excellent	Excellent
Dry Process	Excellent	Good	Good	Good
Product				

橡膠化學抵抗索引

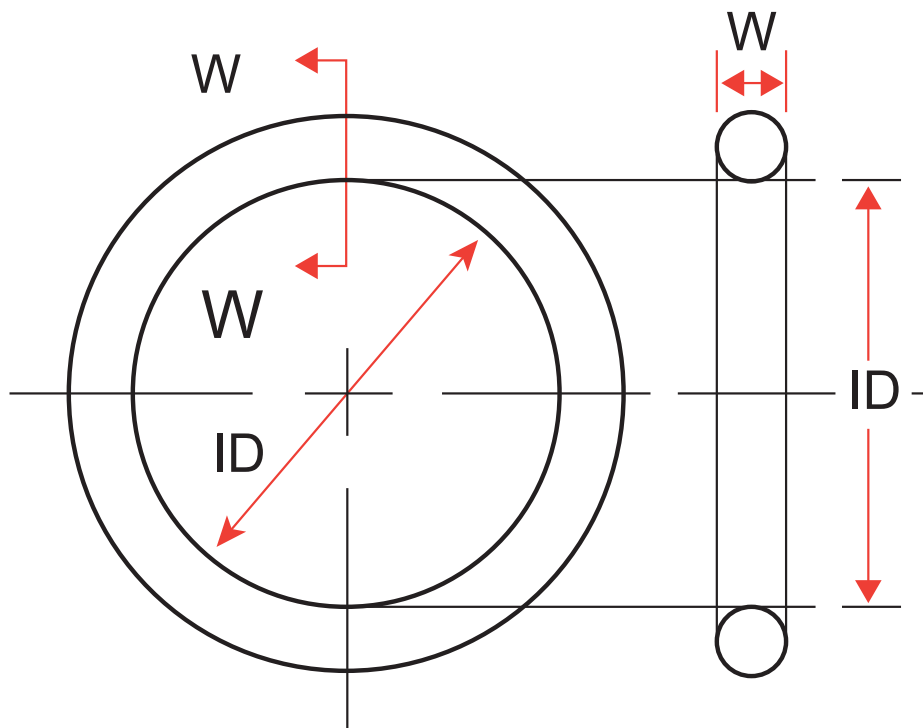
此表為示意圖，如需詳細資料請聯絡科騰業務人員。

Chemical Name	KTseal FFKM	KV75	AFLAS	FKM	E425	NBR	VMQ	FVMQ
Abietic Acid	1	-	-	-	-	-	-	-
Acetaldehyde	2	4	4	4	2	4	2	4
Acetamide	1	3	2	3	1	1	2	1
Acetanilide	1	-	-	-	-	-	-	-
Acetic Acid, 30%	1	2	-	3	1	2	1	2
Acetic Acid, Glacial	1	2	3	4	2	2	2	4
Acetic Anhydride	1	2	2	4	2	4	3	4
Acetoacetic Acid	1	-	-	-	-	-	-	-
Acetone	1	3	4	4	1	4	3	4
Acetone Cyanohydrin	1	-	-	-	-	-	-	-
Acetonitrile	1	1	1	1	1	3	-	-
Acetophenetidin	1	-	-	-	-	-	-	-
Acetophenone	1	4	4	4	1	4	4	4
Acetyl Bromide	1	-	-	-	-	-	-	-
Acetyl Chloride	1	1	1	1	4	4	3	1
Acetylacetone	1	4	4	4	1	4	4	4

- 1) Little or no effect (Volume swell < 10%)
- 2) Possible loss physical properties (Volume swell < 10~20%)
- 3) Noticeable change (Volume swell 20-40%)
- 4) Not suitable for service -) Insufficient info

O-ring 的規格?

- O-ring是型式最簡單且被廣泛使用之密封圈。
- 定義 O-ring的參數有材料和尺寸。
- 材料變數為橡膠種類,配方,硬度。
- 一般尺寸的定義方式為：外徑(OD)=內徑(ID)+2倍線徑W(單位:mm)



*一般尺寸的定義方式為：ID X W（W是線徑；ID是內徑）

AS 568A Dimensions

AS 568 is Aerospace Size Standard for O-rings from the Society of Automotive Engineers. Manufacturing the O-rings over than the in side diameter 2000mm by KT Seal Co., Ltd.

AS568A~	Measurements in millimeters				Measurements in inches			
	SIZE	ID(内徑)mm	±(公差)	W(線徑)mm	±(公差)	ID(内徑)	±(公差)	W(線徑)
001	0.74	±0.10	1.02	±0.08	0.029	0.004	0.040	±0.003
002	1.07		1.27	±0.08	0.042		0.050	±0.003
003	1.42		1.52	±0.08	0.056		0.060	±0.003
004	1.78	±0.13	1.78	±0.08	0.070	±0.005	0.070	±0.003
005	2.57		1.78	±0.08	0.101		0.070	±0.003
006	2.9		1.78	±0.08	0.114		0.070	±0.003
007	3.68		1.78	±0.08	0.145		0.070	±0.003
008	4.47		1.78	±0.08	0.176		0.070	±0.003
009	5.28		1.78	±0.08	0.208		0.070	±0.003
010	6.07		1.78	±0.08	0.239		0.070	±0.003
011	7.65		1.78	±0.08	0.301		0.070	±0.003
012	9.25		1.78	±0.08	0.364		0.070	±0.003
013	10.82		1.78	±0.08	0.426		0.070	±0.003
014	12.42	1.78	±0.08	0.489	0.070	±0.003		
015	14	±0.18	1.78	±0.08	0.551	±0.007	0.070	±0.003
016	15.6	±0.23	1.78	±0.08	0.614	±0.009	0.070	±0.003
017	17.17		1.78	±0.08	0.676		0.070	±0.003
018	18.77		1.78	±0.08	0.739		0.070	±0.003
019	20.35		1.78	±0.08	0.801		0.070	±0.003
020	21.95		1.78	±0.08	0.864		0.070	±0.003
021	23.52		1.78	±0.08	0.926		0.070	±0.003
022	25.12	±0.25	1.78	±0.08	0.989	±0.010	0.070	±0.003
023	26.7		1.78	±0.08	1.051		0.070	±0.003
024	28.3		1.78	±0.08	1.114		0.070	±0.003
025	29.87	±0.28	1.78	±0.08	1.176	±0.011	0.070	±0.003
026	31.47		1.78	±0.08	1.239		0.070	±0.003
027	33.05		1.78	±0.08	1.301		0.070	±0.003
028	34.65	±0.33	1.78	±0.08	1.364	±0.013	0.070	±0.003
029	37.82		1.78	±0.08	1.489		0.070	±0.003
030	41		1.78	±0.08	1.614		0.070	±0.003
031	44.17	±0.38	1.78	±0.08	1.739	±0.015	0.070	±0.003
032	47.35		1.78	±0.08	1.864		0.070	±0.003
033	50.52	±0.46	1.78	±0.08	1.989	±0.018	0.070	±0.003
034	53.7		1.78	±0.08	2.114		0.070	±0.003
035	56.87		1.78	±0.08	2.239		0.070	±0.003
036	60.05		1.78	±0.08	2.364		0.070	±0.003
037	63.22		1.78	±0.08	2.489		0.070	±0.003
038	66.4	±0.51	1.78	±0.08	2.614	±0.020	0.070	±0.003
039	69.57	±0.51	1.78	±0.08	2.739	±0.020	0.070	±0.003
040	72.75		1.78	±0.08	2.864		0.070	±0.003
041	75.92	±0.61	1.78	±0.08	2.989	±0.024	0.070	±0.003
042	82.27		1.78	±0.08	3.239		0.070	±0.003
043	88.62		1.78	±0.08	3.489		0.070	±0.003
044	94.97	±0.69	1.78	±0.08	3.739	±0.027	0.070	±0.003
045	101.32		1.78	±0.08	3.989		0.070	±0.003
046	107.67	±0.76	1.78	±0.08	4.239	±0.030	0.070	±0.003
047	114.02		1.78	±0.08	4.489		0.070	±0.003
048	120.37		1.78	±0.08	4.739		0.070	±0.003
049	126.72	±0.94	1.78	±0.08	4.989	±0.037	0.070	±0.003
050	133.07		1.78	±0.08	5.239		0.070	±0.003

AS 568A Dimensions

AS 568 is Aerospace Size Standard for O-rings from the Society of Automotive Engineers. Manufacturing the O-rings over than the in side diameter 2000mm by KT Seal Co., Ltd.

AS568A~	Measurements in millimeters				Measurements in inches			
	SIZE	ID(内径)mm	±(公差)	W(線径)mm	±(公差)	ID(内径)	±(公差)	W(線径)
102	1.24	±0.13	2.62	±0.08	0.049	±0.005	0.103	±0.003
103	2.06		2.62	±0.08	0.081		0.103	±0.003
104	2.84		2.62	±0.08	0.112		0.103	±0.003
105	3.63		2.62	±0.08	0.143		0.103	±0.003
106	4.42		2.62	±0.08	0.174		0.103	±0.003
107	5.23		2.62	±0.08	0.206		0.103	±0.003
108	6.02		2.62	±0.08	0.237		0.103	±0.003
109	7.59		2.62	±0.08	0.299		0.103	±0.003
110	9.19		2.62	±0.08	0.362		0.103	±0.003
111	10.77		2.62	±0.08	0.424		0.103	±0.003
112	12.37	±0.18	2.62	±0.08	0.487	±0.007	0.103	±0.003
113	13.94		2.62	±0.08	0.549		0.103	±0.003
114	15.54	±0.23	2.62	±0.08	0.612	±0.009	0.103	±0.003
115	17.12		2.62	±0.08	0.674		0.103	±0.003
116	18.72		2.62	±0.08	0.737		0.103	±0.003
117	20.29	±0.25	2.62	±0.08	0.799	±0.010	0.103	±0.003
118	21.89		2.62	±0.08	0.862		0.103	±0.003
119	23.47		2.62	±0.08	0.924		0.103	±0.003
120	25.07		2.62	±0.08	0.987		0.103	±0.003
121	26.64		2.62	±0.08	1.049		0.103	±0.003
122	28.24		2.62	±0.08	1.112		0.103	±0.003
123	29.82	±0.30	2.62	±0.08	1.174	±0.012	0.103	±0.003
124	31.42		2.62	±0.08	1.237		0.103	±0.003
125	32.99		2.62	±0.08	1.299		0.103	±0.003
126	34.59		2.62	±0.08	1.362		0.103	±0.003
127	36.17		2.62	±0.08	1.424		0.103	±0.003
128	37.77	±0.38	2.62	±0.08	1.487	±0.015	0.103	±0.003
129	39.34		2.62	±0.08	1.549		0.103	±0.003
130	40.94		2.62	±0.08	1.612		0.103	±0.003
131	42.52		2.62	±0.08	1.674		0.103	±0.003
132	44.12		2.62	±0.08	1.737		0.103	±0.003
133	45.69		2.62	±0.08	1.799		0.103	±0.003
134	47.29		2.62	±0.08	1.862		0.103	±0.003
135	48.9	±0.43	2.62	±0.08	1.925	±0.017	0.103	±0.003
136	50.47		2.62	±0.08	1.987		0.103	±0.003
137	52.07		2.62	±0.08	2.050		0.103	±0.003
138	53.64		2.62	±0.08	2.112		0.103	±0.003
139	55.24		2.62	±0.08	2.175		0.103	±0.003
140	56.82		2.62	±0.08	2.237		0.103	±0.003

AS 568A Dimensions

AS 568 is Aerospace Size Standard for O-rings from the Society of Automotive Engineers. Manufacturing the O-rings over than the in side diameter 2000mm by KT Seal Co., Ltd.

AS568A~ SIZE	Measurements in millimeters				Measurements in inches			
	ID(内径)mm	±(公差)	W(線径)mm	±(公差)	ID(内径)	±(公差)	W(線径)	±(公差)
141	58.42	±0.51	2.62	±0.08	2.300	±0.020	0.103	±0.003
142	59.99		2.62	±0.08	2.362		0.103	±0.003
143	61.6		2.62	±0.08	2.425		0.103	±0.003
144	63.17		2.62	±0.08	2.487		0.103	±0.003
145	64.77		2.62	±0.08	2.550		0.103	±0.003
146	66.34		2.62	±0.08	2.612		0.103	±0.003
147	67.94	±0.56	2.62	±0.08	2.675	±0.022	0.103	±0.003
148	69.52		2.62	±0.08	2.737		0.103	±0.003
149	71.12		2.62	±0.08	2.800		0.103	±0.003
150	72.69	±0.61	2.62	±0.08	2.862	±0.024	0.103	±0.003
151	75.87		2.62	±0.08	2.987		0.103	±0.003
152	82.22		2.62	±0.08	3.237		0.103	±0.003
153	88.57	±0.71	2.62	±0.08	3.487	±0.028	0.103	±0.003
154	94.92		2.62	±0.08	3.737		0.103	±0.003
155	101.27	±0.76	2.62	±0.08	3.987	±0.030	0.103	±0.003
156	107.62		2.62	±0.08	4.237		0.103	±0.003
157	113.97		2.62	±0.08	4.487		0.103	±0.003
158	120.32	±0.89	2.62	±0.08	4.737	±0.035	0.103	±0.003
159	126.67		2.62	±0.08	4.987		0.103	±0.003
160	133.02		2.62	±0.08	5.237		0.103	±0.003
161	139.37		2.62	±0.08	5.487		0.103	±0.003
162	145.72	±1.02	2.62	±0.08	5.737	±0.040	0.103	±0.003
163	152.07		2.62	±0.08	5.987		0.103	±0.003
164	158.42		2.62	±0.08	6.237		0.103	±0.003
165	164.77		2.62	±0.08	6.487		0.103	±0.003
166	171.12	±1.14	2.62	±0.08	6.737	±0.045	0.103	±0.003
167	177.47		2.62	±0.08	6.987		0.103	±0.003
168	183.82		2.62	±0.08	7.237		0.103	±0.003
169	190.17		2.62	±0.08	7.487		0.103	±0.003
170	196.52	±1.27	2.62	±0.08	7.737	±0.050	0.103	±0.003
171	202.87		2.62	±0.08	7.987		0.103	±0.003
172	209.22		2.62	±0.08	8.237		0.103	±0.003
173	215.57	±1.40	2.62	±0.08	8.487	±0.055	0.103	±0.003
174	221.92		2.62	±0.08	8.737		0.103	±0.003
175	228.27		2.62	±0.08	8.987		0.103	±0.003
176	234.62		2.62	±0.08	9.237		0.103	±0.003
177	240.97	±1.40	2.62	±0.08	9.487	±0.055	0.103	±0.003
178	247.32		2.62	±0.08	9.737		0.103	±0.003

AS 568A Dimensions

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AS568A~	Measurements in millimeters				Measurements in inches			
	SIZE	ID(内径)mm	±(公差)	W(線径)mm	±(公差)	ID(内径)	±(公差)	W(線径)
201	4.34	±0.13	3.53	±0.10	0.171	±0.005	0.139	±0.004
202	5.94		3.53	±0.10	0.234		0.139	±0.004
203	7.52		3.53	±0.10	0.296		0.139	±0.004
204	9.12		3.53	±0.10	0.359		0.139	±0.004
205	10.69		3.53	±0.10	0.421		0.139	±0.004
206	12.29	±0.18	3.53	±0.10	0.484	±0.007	0.139	±0.004
207	13.87		3.53	±0.10	0.546		0.139	±0.004
208	15.47	±0.23	3.53	±0.10	0.609	±0.009	0.139	±0.004
209	17.04		3.53	±0.10	0.671		0.139	±0.004
210	18.64	±0.25	3.53	±0.10	0.734	±0.010	0.139	±0.004
211	20.22		3.53	±0.10	0.796		0.139	±0.004
212	21.82		3.53	±0.10	0.859		0.139	±0.004
213	23.39		3.53	±0.10	0.921		0.139	±0.004
214	24.99		3.53	±0.10	0.984		0.139	±0.004
215	26.57	±0.30	3.53	±0.10	1.046	±0.012	0.139	±0.004
216	28.17		3.53	±0.10	1.109		0.139	±0.004
217	29.74		3.53	±0.10	1.171		0.139	±0.004
218	31.34		3.53	±0.10	1.234		0.139	±0.004
219	32.92		3.53	±0.10	1.296		0.139	±0.004
220	34.52	±0.38	3.53	±0.10	1.359	±0.015	0.139	±0.004
221	36.09		3.53	±0.10	1.421		0.139	±0.004
222	37.69		3.53	±0.10	1.484		0.139	±0.004
223	40.87		3.53	±0.10	1.609		0.139	±0.004
224	44.04		3.53	±0.10	1.734		0.139	±0.004
225	47.22	±0.46	3.53	±0.10	1.859	±0.018	0.139	±0.004
226	50.39		3.53	±0.10	1.984		0.139	±0.004
227	53.57		3.53	±0.10	2.109		0.139	±0.004
228	56.74	±0.51	3.53	±0.10	2.234	±0.020	0.139	±0.004
229	59.92		3.53	±0.10	2.359		0.139	±0.004
230	63.09		3.53	±0.10	2.484		0.139	±0.004
231	66.27		3.53	±0.10	2.609		0.139	±0.004
232	69.44	±0.61	3.53	±0.10	2.734	±0.024	0.139	±0.004
233	72.62		3.53	±0.10	2.859		0.139	±0.004
234	75.79		3.53	±0.10	2.984		0.139	±0.004
235	78.97		3.53	±0.10	3.109		0.139	±0.004
236	82.14		3.53	±0.10	3.234		0.139	±0.004
237	85.32	±0.71	3.53	±0.10	3.359	±0.028	0.139	±0.004
238	88.49		3.53	±0.10	3.484		0.139	±0.004
239	91.67		3.53	±0.10	3.609		0.139	±0.004
240	94.84		3.53	±0.10	3.734		0.139	±0.004
241	98.02		3.53	±0.10	3.859		0.139	±0.004
242	101.19	±0.76	3.53	±0.10	3.984	±0.030	0.139	±0.004
243	104.37		3.53	±0.10	4.109		0.139	±0.004
244	107.54		3.53	±0.10	4.234		0.139	±0.004

AS 568A Dimensions

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AS568A~ SIZE	Measurements in millimeters				Measurements in inches					
	ID(内径)mm	±(公差)	W(線径)mm	±(公差)	ID(内径)	±(公差)	W(線径)	±(公差)		
245	110.72	±0.76	3.53	±0.10	4.359	±0.030	0.139	±0.004		
246	113.89		3.53	±0.10	4.484		0.139	±0.004		
247	117.07		3.53	±0.10	4.609		0.139	±0.004		
248	120.24		3.53	±0.10	4.734		0.139	±0.004		
249	123.42	±0.89	3.53	±0.10	4.859	±0.035	0.139	±0.004		
250	126.59		3.53	±0.10	4.984		0.139	±0.004		
251	129.77		3.53	±0.10	5.109		0.139	±0.004		
252	132.94		3.53	±0.10	5.234		0.139	±0.004		
253	136.12		3.53	±0.10	5.359		0.139	±0.004		
254	139.29		3.53	±0.10	5.484		0.139	±0.004		
255	142.47		3.53	±0.10	5.609		0.139	±0.004		
256	145.64		3.53	±0.10	5.734		0.139	±0.004		
257	148.82	±1.02	3.53	±0.10	5.859	±0.040	0.139	±0.004		
258	151.99		3.53	±0.10	5.984		0.139	±0.004		
259	158.34		3.53	±0.10	6.234		0.139	±0.004		
260	164.69		3.53	±0.10	6.484		0.139	±0.004		
261	171.04		3.53	±0.10	6.734		0.139	±0.004		
262	177.39		3.53	±0.10	6.984		0.139	±0.004		
263	183.74		±1.14	3.53	±0.10		7.234	±0.045	0.139	±0.004
264	190.09			3.53	±0.10		7.484		0.139	±0.004
265	196.44	3.53		±0.10	7.734	0.139	±0.004			
266	202.79	3.53		±0.10	7.984	0.139	±0.004			
267	209.14	±1.27	3.53	±0.10	8.234	±0.050	0.139	±0.004		
268	215.49		3.53	±0.10	8.484		0.139	±0.004		
269	221.84		3.53	±0.10	8.734		0.139	±0.004		
270	228.19		3.53	±0.10	8.984		0.139	±0.004		
271	234.54	±1.40	3.53	±0.10	9.234	±0.055	0.139	±0.004		
272	240.89		3.53	±0.10	9.484		0.139	±0.004		
273	247.24		3.53	±0.10	9.734		0.139	±0.004		
274	253.59		3.53	±0.10	9.984		0.139	±0.004		
275	266.29		3.53	±0.10	10.484		0.139	±0.004		
276	278.99	±1.65	3.53	±0.10	10.984	±0.065	±0.065	±0.004		
277	291.69		3.53	±0.10	11.484		0.139	±0.004		
278	304.39		3.53	±0.10	11.984		0.139	±0.004		
279	329.79		3.53	±0.10	12.984		0.139	±0.004		
280	355.19		3.53	±0.10	13.984		0.139	±0.004		
281	380.59		3.53	±0.10	14.984		0.139	±0.004		
282	405.26	±1.91	3.53	±0.10	15.955	±0.075	0.139	±0.004		
283	430.66	±2.03	3.53	±0.10	16.955	±0.080	0.139	±0.004		
284	456.06	±2.16	3.53	±0.10	17.955	±0.085	0.139	±0.004		

AS 568A Dimensions

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AS568A~	Measurements in millimeters				Measurements in inches			
	SIZE	ID(内径)mm	±(公差)	W(線径)mm	±(公差)	ID(内径)	±(公差)	W(線径)
309	10.46	±0.13	5.33	±0.13	0.412	±0.005	0.210	±0.005
310	12.06		5.33	±0.13	0.475		0.210	±0.005
311	13.64	±0.18	5.33	±0.13	0.537	±0.007	0.210	±0.005
312	15.24	±0.23	5.33	±0.13	0.600	±0.009	0.210	±0.005
313	16.81		5.33	±0.13	0.662		0.210	±0.005
314	18.42	±0.25	5.33	±0.13	0.725	±0.010	0.210	±0.005
315	19.99		5.33	±0.13	0.787		0.210	±0.005
316	21.59		5.33	±0.13	0.850		0.210	±0.005
317	23.16		5.33	±0.13	0.912		0.210	±0.005
318	24.76		5.33	±0.13	0.975		0.210	±0.005
319	26.34		5.33	±0.13	1.037		0.210	±0.005
320	27.94	±0.30	5.33	±0.13	1.100	±0.012	0.210	±0.005
321	29.51		5.33	±0.13	1.162		0.210	±0.005
322	31.12		5.33	±0.13	1.225		0.210	±0.005
323	32.69		5.33	±0.13	1.287		0.210	±0.005
324	34.29	±0.38	5.33	±0.13	1.350	±0.015	0.210	±0.005
325	37.46		5.33	±0.13	1.475		0.210	±0.005
326	40.64		5.33	±0.13	1.600		0.210	±0.005
327	43.82		5.33	±0.13	1.725		0.210	±0.005
328	46.99	±0.46	5.33	±0.13	1.850	±0.018	0.210	±0.005
329	50.16		5.33	±0.13	1.975		0.210	±0.005
330	53.34		5.33	±0.13	2.100		0.210	±0.005
331	56.52		5.33	±0.13	2.225		0.210	±0.005
332	59.69	±0.51	5.33	±0.13	2.350	±0.020	0.210	±0.005
333	62.86		5.33	±0.13	2.475		0.210	±0.005
334	66.04		5.33	±0.13	2.600		0.210	±0.005
335	69.22		5.33	±0.13	2.725		0.210	±0.005
336	72.39	±0.61	5.33	±0.13	2.850	±0.024	0.210	±0.005
337	75.56		5.33	±0.13	2.975		0.210	±0.005
338	78.74		5.33	±0.13	3.100		0.210	±0.005
339	81.92		5.33	±0.13	3.225		0.210	±0.005
340	85.09	±0.71	5.33	±0.13	3.350	±0.028	0.210	±0.005
341	88.26		5.33	±0.13	3.475		0.210	±0.005
342	91.44		5.33	±0.13	3.600		0.210	±0.005
343	94.62		5.33	±0.13	3.725		0.210	±0.005
344	97.79		5.33	±0.13	3.850		0.210	±0.005
345	100.96		5.33	±0.13	3.975		0.210	±0.005
346	104.14	±0.76	5.33	±0.13	4.100	±0.030	0.210	±0.005
347	107.32		5.33	±0.13	4.225		0.210	±0.005
348	110.49		5.33	±0.13	4.350		0.210	±0.005
349	113.66		5.33	±0.13	4.475		0.210	±0.005
350	116.84	±0.94	5.33	±0.13	4.600	±0.037	0.210	±0.005
351	120.02		5.33	±0.13	4.725		0.210	±0.005
352	123.19		5.33	±0.13	4.850		0.210	±0.005
353	126.36		5.33	±0.13	4.975		0.210	±0.005

AS 568A Dimensions

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AS568A~ SIZE	Measurements in millimeters				Measurements in inches			
	ID(内径)mm	±(公差)	W(線径)mm	±(公差)	ID(内径)	±(公差)	W(線径)	±(公差)
354	129.54	±0.94	5.33	±0.13	5.100	±0.037	0.210	±0.005
355	132.72		5.33	±0.13	5.225		0.210	±0.005
356	135.89		5.33	±0.13	5.350		0.210	±0.005
357	139.07		5.33	±0.13	5.475		0.210	±0.005
358	142.24		5.33	±0.13	5.600		0.210	±0.005
359	145.42		5.33	±0.13	5.725		0.210	±0.005
360	148.59		5.33	±0.13	5.850		0.210	±0.005
361	151.77		5.33	±0.13	5.975		0.210	±0.005
362	158.12	±1.02	5.33	±0.13	6.225	±0.040	0.210	±0.005
363	164.47		5.33	±0.13	6.475		0.210	±0.005
364	170.84		5.33	±0.13	6.726		0.210	±0.005
365	177.17		5.33	±0.13	6.975		0.210	±0.005
366	183.52	±1.14	5.33	±0.13	7.225	±0.045	0.210	±0.005
367	189.87		5.33	±0.13	7.475		0.210	±0.005
368	196.22		5.33	±0.13	7.725		0.210	±0.005
369	202.57	±1.27	5.33	±0.13	7.975	±0.050	0.210	±0.005
370	208.92		5.33	±0.13	8.225		0.210	±0.005
371	215.26		5.33	±0.13	8.475		0.210	±0.005
372	221.62		5.33	±0.13	8.725		0.210	±0.005
373	227.96	±1.40	5.33	±0.13	8.975	±0.055	0.210	±0.005
374	234.32		5.33	±0.13	9.225		0.210	±0.005
375	240.67		5.33	±0.13	9.475		0.210	±0.005
376	247.02		5.33	±0.13	9.725		0.210	±0.005
377	253.37	±1.52	5.33	±0.13	9.975	±0.060	0.210	±0.005
378	266.07		5.33	±0.13	10.475		0.210	±0.005
379	278.77		5.33	±0.13	10.975		0.210	±0.005
380	291.47	±1.65	5.33	±0.13	11.475	±0.065	0.210	±0.005
381	304.17		5.33	±0.13	11.975		0.210	±0.005
382	329.57		5.33	±0.13	12.975		0.210	±0.005
383	354.97	±1.78	5.33	±0.13	13.975	±0.070	0.210	±0.005
384	380.37		5.33	±0.13	14.975		0.210	±0.005
385	405.26	±1.91	5.33	±0.13	15.955	±0.075	0.210	±0.005
386	430.66	±2.03	5.33	±0.13	16.955	±0.080	0.210	±0.005
387	456.06	±2.16	5.33	±0.13	17.955	±0.085	0.210	±0.005
388	481.46	±2.29	5.33	±0.13	18.955	±0.090	0.210	±0.005
389	506.86	±2.41	5.33	±0.13	19.955	±0.095	0.210	±0.005
390	532.26		5.33	±0.13	20.955		0.210	±0.005
391	557.66	±2.54	5.33	±0.13	21.955	±0.100	0.210	±0.005
392	582.68	±2.67	5.33	±0.13	22.940	±0.105	0.210	±0.005
393	608.08	±2.79	5.33	±0.13	23.940	±0.110	0.210	±0.005
394	633.48	±2.92	5.33	±0.13	24.940	±0.115	0.210	±0.005
395	658.88	±3.05	5.33	±0.13	25.940	±0.120	0.210	±0.005

AS 568A Dimensions

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AS568A~	Measurements in millimeters				Measurements in inches			
SIZE	ID(内徑)mm	±(公差)	W(線徑)mm	±(公差)	ID(内徑)	±(公差)	W(線徑)	±(公差)
425	113.66	±0.84	6.99	±0.15	4.475	±0.033	0.275	±0.006
426	116.84		6.99	±0.15	4.600		0.275	±0.006
427	120.02		6.99	±0.15	4.725		0.275	±0.006
428	123.19		6.99	±0.15	4.850		0.275	±0.006
429	126.36	±0.94	6.99	±0.15	4.975		±0.037	±0.006
430	129.54		6.99	±0.15	5.100		0.275	±0.006
431	132.72		6.99	±0.15	5.225		0.275	±0.006
432	135.89		6.99	±0.15	5.350		0.275	±0.006
433	139.06		6.99	±0.15	5.475		0.275	±0.006
434	142.24		6.99	±0.15	5.600		±0.040	±0.006
435	145.42		6.99	±0.15	5.725		0.275	±0.006
436	148.59		6.99	±0.15	5.850		0.275	±0.006
437	151.76	6.99	±0.15	5.975	0.275	±0.006		
438	158.12	±1.02	6.99	±0.15	6.225	±0.040	0.275	±0.006
439	164.46		6.99	±0.15	6.475		0.275	±0.006
440	170.82		6.99	±0.15	6.725		0.275	±0.006
441	177.16		6.99	±0.15	6.975		0.275	±0.006
442	183.52	±1.14	6.99	±0.15	7.225	±0.045	0.275	±0.006
443	189.86		6.99	±0.15	7.475		±0.055	±0.006
444	196.22		6.99	±0.15	7.725		0.275	±0.006
445	202.56		6.99	±0.15	7.975		0.275	±0.006
446	215.26		6.99	±0.15	8.475		±0.060	±0.006
447	227.96	±1.40	6.99	±0.15	8.975	±0.055	0.275	±0.006
448	240.66		6.99	±0.15	9.475		0.275	±0.006
449	253.36		6.99	±0.15	9.975		0.275	±0.006
450	266.06	±1.52	6.99	±0.15	10.475	±0.060	0.275	±0.006
451	278.76		6.99	±0.15	10.975		0.275	±0.006
452	291.46		6.99	±0.15	11.475		±0.070	±0.006
453	304.16		6.99	±0.15	11.975		0.275	±0.006
454	316.86		6.99	±0.15	12.475		0.275	±0.006
455	329.56		6.99	±0.15	12.975		0.275	±0.006
456	342.26	±1.78	6.99	±0.15	13.475	±0.070	0.275	±0.006
457	354.96		6.99	±0.15	13.975		0.275	±0.006
458	367.66		6.99	±0.15	14.475		±0.080	±0.006
459	380.37		6.99	±0.15	14.975		±0.085	±0.006
460	380.36	±1.91	6.99	±0.15	15.475	±0.075	±0.075	±0.006
461	405.26		6.99	±0.15	15.955		0.275	±0.006
462	417.96	6.99	±0.15	16.455	±0.080	±0.006		
463	430.66	±2.03	6.99	±0.15	16.955	±0.080	0.275	±0.006
464	443.36	±2.16	6.99	±0.15	17.455	±0.085	0.275	±0.006
465	456.06		6.99	±0.15	17.955		0.275	±0.006
466	468.76		6.99	±0.15	18.455		±0.090	±0.006
467	481.46	±2.29	6.99	±0.15	18.955	±0.090	0.275	±0.006
468	494.16		6.99	±0.15	19.455		±0.095	±0.006
469	506.86	±2.41	6.99	±0.15	19.955	±0.095	0.275	±0.006
470	532.46		6.99	±0.15	20.963		±0.100	±0.006
471	557.66	±2.54	6.99	±0.15	21.955	±0.100	0.275	±0.006
472	582.68	±2.67	6.99	±0.15	22.940	±0.105	0.275	±0.006
473	608.08	±2.79	6.99	±0.15	23.940	±0.110	0.275	±0.006
474	633.48	±2.92	6.99	±0.15	24.940	±0.115	0.275	±0.006
475	658.88	±3.05	6.99	±0.15	25.940	±0.120	0.275	0.006

AS 568A Dimensions

AS 568 is Aerospace Size Standard for O-rings from the Society of Automotive Engineers. Manufacturing the O-rings over than the in side diameter 2000mm by KT Seal Co., Ltd.

AS568A~ SIZE	Measurements in millimeters				Measurements in inches			
	ID(内径)mm	±(公差)	W(線径)mm	±(公差)	ID(内径)	±(公差)	W(線径)	±(公差)
901	4.7	±0.13	1.42	±0.08	0.185	±0.005	0.056	±0.003
902	6.07		1.63		0.239		0.064	
903	7.65		1.63		0.301		0.064	
904	8.92		1.83		0.351		0.072	
905	10.5		1.83		0.413		0.072	
906	11.9		1.98		0.469		0.078	
907	13.5	±0.18	2.08	0.531	±0.007	0.082	±0.004	
908	16.4	±0.23	2.21	0.646		±0.009		
909	17.9		2.46	0.705		0.097		
910	19.2		2.46	0.756	0.097			
911	21.9	±0.25	2.95	±0.10	0.862	±0.010	0.116	
912	23.5				0.925			
913	25				0.984			
914	26.6				1.047			
916	29.7	±0.30	3	±0.012	1.169	±0.014	0.118	
918	34.4				1.354			
920	37.5	±0.36	3	±0.018	1.476	±0.018	0.118	
924	43.7				1.720			
928	53.1	±0.46	3	±0.018	2.091	±0.018	0.118	
932	59.4				2.339			



B2401 Dimensions

JIS B2401 is the Japanese Industrial Standard for O-rings.

Manufacturing the O-rings over than the in side diameter 2000mm by KT Seal Co., Ltd.

JIS B2401 SIZE	Measurements in millimeters				Measurements in inches			
	ID(内径)mm	±(公差)	W(線径)mm	±(公差)	ID(内径)	±(公差)	W(線径)	±(公差)
P 3	2.8	0.14	1.9	0.08	0.110	0.006	0.075	0.003
P 4	3.8	0.14			0.150	0.006		
P 5	4.8	0.15			0.189	0.006		
P 6	5.8	0.15			0.228	0.006		
P 7	6.8	0.16			0.268	0.006		
P 8	7.8	0.16			0.307	0.006		
P 9	8.8	0.17			0.346	0.007		
P 10	9.8	0.17			0.386	0.007		
P 10A	9.8	0.17			0.386	0.007		
P 11	10.8	0.18			2.4	±0.09		
P 11.2	11	0.18	0.433	0.007				
P 12	11.8	0.19	0.465	0.007				
P 12.5	12.3	0.19	0.484	0.007				
P 14	13.8	0.19	0.543	0.007				
P 15	14.8	0.20	0.583	0.008				
P 16	15.8	0.20	0.622	0.008				
P 18	17.8	0.21	0.701	0.008				
P 20	19.8	0.22	0.780	0.009				
P 21	20.8	0.23	0.819	0.009				
P 22	21.8	0.24	0.858	0.009	0.138	0.004		
P 22A	21.7	0.24	0.854	0.009				
P 22.4	22.1	0.24	0.870	0.009				
P 24	23.7	0.24	0.933	0.009				
P 25	24.7	0.25	0.972	0.010				
P 25.5	25.2	0.25	0.992	0.010				
P 26	25.7	0.26	1.012	0.010				
P 28	27.7	0.28	1.091	0.011				
P 29	28.7	0.29	1.130	0.011				
P 29.5	29.2	0.29	1.150	0.011				
P 30	29.7	0.29	1.169	0.011				
P 31	30.7	0.30	1.209	0.012				
P 31.5	31.2	0.31	1.228	0.012				
P 32	31.7	0.31	1.248	0.012				
P 34	33.7	0.33	1.327	0.013				
P 35	34.7	0.34	1.366	0.013				
P 35.5	35.2	0.34	1.386	0.013				
P 36	35.7	0.34	1.406	0.013				
P 38	37.7	0.37	1.484	0.015				
P 39	38.7	0.37	1.524	0.015				
P 40	39.7	0.37	1.563	0.015				
P 41	40.7	0.38	1.602	0.015				
P 42	41.7	0.39	1.642	0.015				
P 44	43.7	0.41	1.720	0.016				
P 45	44.7	0.41	1.760	0.016				
P 46	45.7	0.42	1.799	0.017				
P 48	47.7	0.44	1.878	0.017				
P 49	48.7	0.45	1.917	0.018				
P 50	49.7	0.45	1.957	0.018				

B2401 Dimensions

JIS B2401 is the Japanese Industrial Standard for O-rings.

Manufacturing the O-rings over than the in side diameter 2000mm by KT Seal Co., Ltd.

JIS B2401	Measurements in millimeters				Measurements in inches			
	SIZE	ID(内徑)mm	±(公差)	W(線徑)mm	±(公差)	ID(内徑)	±(公差)	W(線徑)
P 48A	47.6	0.44	5.7	±0.13	1.874	0.017	0.224	0.005
P 50A	49.6	0.45			1.953	0.018		
P 52	51.6	0.47			2.031	0.019		
P 53	52.6	0.48			2.071	0.019		
P 55	54.6	0.49			2.150	0.019		
P 56	55.6	0.50			2.189	0.020		
P 58	57.6	0.52			2.268	0.020		
P 60	59.6	0.53			2.346	0.021		
P 62	61.6	0.55			2.425	0.022		
P 63	62.6	0.56			2.465	0.022		
P 65	64.6	0.57			2.543	0.022		
P 67	66.6	0.59			2.622	0.023		
P 70	69.6	0.61			2.740	0.024		
P 71	70.6	0.62			2.780	0.024		
P 75	74.6	0.65			2.937	0.026		
P 80	79.6	0.69			3.134	0.027		
P 85	84.6	0.73			3.331	0.029		
P 90	89.6	0.77			3.528	0.030		
P 95	94.6	0.81			3.724	0.032		
P 100	99.6	0.84			3.921	0.033		
P 102	101.6	0.85			4.000	0.033		
P 105	104.6	0.87			4.118	0.034		
P 110	109.6	0.91			4.315	0.036		
P 112	111.6	0.92			4.394	0.036		
P 115	114.6	0.94			4.512	0.037		
P 120	119.6	0.98			4.709	0.039		
P 125	124.6	1.01			4.906	0.040		
P 130	129.6	1.05			5.102	0.041		
P 132	131.6	1.06			5.181	0.042		
P 135	134.6	1.09			5.299	0.043		
P 140	139.6	1.12	5.496	0.044				
P 145	144.6	1.16	5.693	0.046				
P 150	149.6	1.19	5.890	0.047				

B2401 Dimensions

JIS B2401 is the Japanese Industrial Standard for O-rings.

Manufacturing the O-rings over than the in side diameter 2000mm by KT Seal Co., Ltd.

JIS B2401 SIZE	Measurements in millimeters				Measurements in inches			
	ID(内径)mm	±(公差)	W(線径)mm	±(公差)	ID(内径)	±(公差)	W(線径)	±(公差)
P 150A	149.5	1.19	8.4	±0.15	5.886	0.047	0.331	0.006
P 155	154.5	1.23			6.083	0.048		
P 160	159.5	1.26			6.280	0.050		
P 165	164.5	1.30			6.476	0.051		
P 170	169.5	1.33			6.673	0.052		
P 175	174.5	1.37			6.870	0.054		
P 180	179.5	1.40			7.067	0.055		
P 185	184.5	1.44			7.264	0.057		
P 190	189.5	1.48			7.461	0.058		
P 195	194.5	1.51			7.657	0.059		
P 200	199.5	1.55			7.854	0.061		
P 205	204.5	1.58			8.051	0.062		
P 209	208.5	1.61			8.209	0.063		
P 210	209.5	1.62			8.248	0.064		
P 215	214.5	1.65			8.445	0.065		
P 220	219.5	1.68			8.642	0.066		
P 225	224.5	1.71			8.839	0.067		
P 230	229.5	1.75			9.035	0.069		
P 235	234.5	1.78			9.232	0.070		
P 240	239.5	1.81			9.429	0.071		
P 245	244.5	1.84			9.626	0.072		
P 250	249.5	1.88			9.823	0.074		
P 255	254.5	1.91			10.020	0.075		
P 260	259.5	1.94			10.217	0.076		
P 265	264.5	1.97			10.413	0.078		
P 270	269.5	2.01			10.610	0.079		
P 275	274.5	2.04			10.807	0.080		
P 280	279.5	2.07			11.004	0.081		
P 285	284.5	2.10			11.201	0.083		
P 290	289.5	2.14			11.398	0.084		
P 295	294.5	2.17			11.594	0.085		
P 300	299.5	2.20			11.791	0.087		
P 315	314.5	2.30			12.382	0.091		
P 320	319.5	2.33			12.579	0.092		
P 335	334.5	2.42			13.169	0.095		
P 340	339.5	2.45			13.366	0.096		
P 355	354.5	2.54			13.957	0.100		
P 360	359.5	2.57			14.154	0.101		
P 375	374.5	2.67	14.744	0.105				
P 380	379.5	2.70	14.941	0.106				
P 385	384.5	2.73	15.138	0.107				

B2401 Dimensions

JIS B2401 is the Japanese Industrial Standard for O-rings.
Manufacturing the O-rings over than the in side diameter 2000mm by KT Seal Co., Ltd.

JIS B2401	Measurements in millimeters				Measurements in inches			
	SIZE	ID(内徑)mm	±(公差)	W(線徑)mm	±(公差)	ID(内徑)	±(公差)	W(線徑)
G 25	24.4	0.25	3.1	±0.10	0.961	0.010	0.122	0.004
G 30	29.4	0.29			1.157	0.011		
G 35	34.4	0.33			1.354	0.013		
G 40	39.4	0.37			1.551	0.015		
G 45	44.4	0.41			1.748	0.016		
G 50	49.4	0.45			1.945	0.018		
G 55	54.4	0.49			2.142	0.019		
G 60	59.4	0.53			2.339	0.021		
G 65	64.4	0.57			2.535	0.022		
G 70	69.4	0.61			2.732	0.024		
G 75	74.4	0.65			2.929	0.026		
G 80	79.4	0.69			3.126	0.027		
G 85	84.4	0.73			3.323	0.029		
G 90	89.4	0.77			3.520	0.030		
G 95	94.4	0.81			3.717	0.032		
G 100	99.4	0.85			3.913	0.033		
G 105	104.4	0.87			4.110	0.034		
G 110	109.4	0.91			4.307	0.036		
G 115	114.4	0.94			4.504	0.037		
G 120	119.4	0.98			4.701	0.039		
G 125	124.4	1.01			4.898	0.040		
G 130	129.4	1.05	5.094	0.041				
G 135	134.4	1.08	5.291	0.043				
G 140	139.4	1.12	5.488	0.044				
G 145	144.4	1.16	5.685	0.046				

B2401 Dimensions

JIS B2401 is the Japanese Industrial Standard for O-rings.

Manufacturing the O-rings over than the in side diameter 2000mm by KT Seal Co., Ltd.

JIS B2401 SIZE	Measurements in millimeters				Measurements in inches			
	ID(内径)mm	±(公差)	W(線径)mm	±(公差)	ID(内径)	±(公差)	W(線径)	±(公差)
G 150	149.3	1.19	5.7	±0.13	5.878	0.047	0.224	0.13
G 155	154.3	1.23			6.075	0.048		
G 160	159.3	1.26			6.272	0.050		
G 165	164.3	1.30			6.469	0.051		
G 170	169.3	1.33			6.665	0.052		
G 175	174.3	1.37			6.862	0.054		
G 180	179.3	1.40			7.059	0.055		
G 185	184.3	1.44			7.256	0.057		
G 190	189.3	1.47			7.453	0.058		
G 195	194.3	1.51			7.650	0.059		
G 200	199.3	1.55			7.846	0.061		
*G 205	204.3	1.58			8.043	0.062		
G 210	209.3	1.61			8.240	0.063		
*G 215	214.3	1.65			8.437	0.065		
G 220	219.3	1.68			8.634	0.066		
*G 225	224.3	1.71			8.831	0.067		
G 230	229.3	1.73			9.028	0.068		
*G 235	234.3	1.78			9.224	0.070		
G 240	239.3	1.81			9.421	0.071		
G 250	249.3	1.88			9.815	0.074		
*G 255	254.3	1.91			10.012	0.075		
G 260	259.3	1.94			10.209	0.076		
*G 265	264.3	1.97			10.406	0.078		
G 270	269.3	2.01			10.602	0.079		
*G 275	274.3	2.04			10.799	0.080		
G 280	279.3	2.07			10.996	0.081		
G 290	289.3	2.14			11.390	0.084		
G 300	299.3	2.20			11.783	0.087		
*G 305	304.3	2.24			11.980	0.088		
*G 310	309.3	2.27			12.177	0.089		
*G 315	314.3	2.30			12.374	0.091		
*G 320	319.3	2.33			12.571	0.092		
*G 330	329.3	2.39			12.965	0.094		
*G 345	344.3	2.48			13.555	0.098		
*G 355	354.3	2.54			13.949	0.100		
*G 380	379.3	2.70			14.933	0.106		
*G 385	384.3	2.73			15.130	0.107		
*G 400	399.3	2.82			15.720	0.111		

B2401 Dimensions

JIS B2401 is the Japanese Industrial Standard for O-rings.

Manufacturing the O-rings over than the in side diameter 2000mm by KT Seal Co., Ltd.

JIS B2401	Measurements in millimeters				Measurements in inches							
SIZE	ID(内径)mm	±(公差)	W(線径)mm	±(公差)	ID(内径)	±(公差)	W(線径)	±(公差)				
V 15	14.5	0.20	4	±0.10	0.571	0.008	0.157	0.004				
V 24	23.5	0.24			0.925	0.009						
*V 34	33.5	0.33			1.319	0.013						
V 40	39.5	0.37			1.555	0.015						
*V 45	44.5	0.37			1.752	0.015						
*V 50	49.5	0.37			1.949	0.015						
V 55	54.5	0.49			2.146	0.019						
V 70	69	0.61			2.717	0.024						
*V 75	74	0.72			2.913	0.028						
V 85	84	0.72			3.307	0.028						
*V 90	89	0.83			3.504	0.033						
*V 95	94	0.83			3.701	0.033						
V 100	99	0.83			3.898	0.033						
*V 110	109	0.97			4.291	0.038						
V 120	119	0.97			4.685	0.038						
*V 130	129	1.18			5.079	0.046						
*V 140	138.5	1.18			5.453	0.046						
V 150	148.5	1.18			5.846	0.046						
V 175	173	1.36	6.811	0.054								
V 225	222.5	1.95	6	±0.15	8.760	0.077	0.236	0.006				
*V 230	227.5	1.95			8.957	0.077						
*V 235	232.5	1.95			9.154	0.077						
*V 240	237.5	1.95			9.350	0.077						
*V 245	242.5	1.95			9.547	0.077						
*V 250	247.5	1.95			9.744	0.077						
*V 255	252.5	2.02			9.941	0.080						
V 275	272	2.02			10.709	0.080						
*V 305	302	2.34			11.890	0.092						
V 325	321.5	2.34			12.657	0.092						
*V 335	331.5	2.51			13.051	0.099						
V 380	376	2.68			14.803	0.106						
*V 390	386	2.83			15.197	0.111						
V 430	425.5	2.99			16.752	0.118						
V 585	579	3.92			10	±0.30			22.795	0.154	0.394	0.012
V 640	633.5	4.54							24.941	0.179		
V 690	683	4.54							26.890	0.179		
V 740	732.5	4.83							28.839	0.190		
V 790	782	5.12	30.787	0.202								
V 845	836.5	5.44	32.933	0.214								
V 950	940.5	6.06	37.028	0.239								
V 1055	1044	6.67	41.102	0.263								

B2401 Dimensions

JIS B2401 is the Japanese Industrial Standard for O-rings.

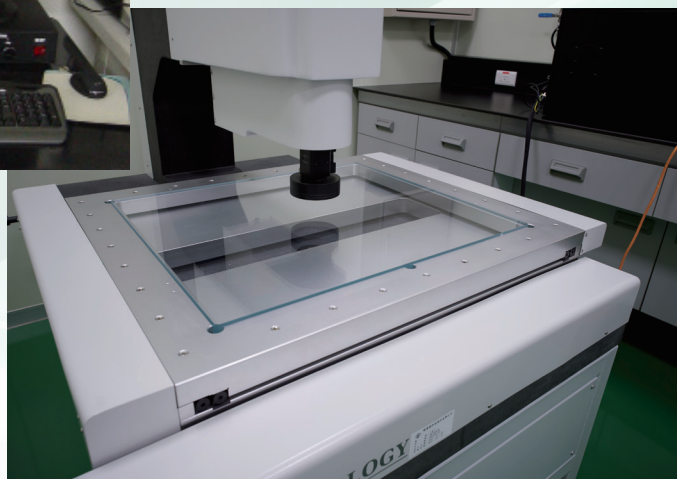
Manufacturing the O-rings over than the in side diameter 2000mm by KT Seal Co., Ltd.

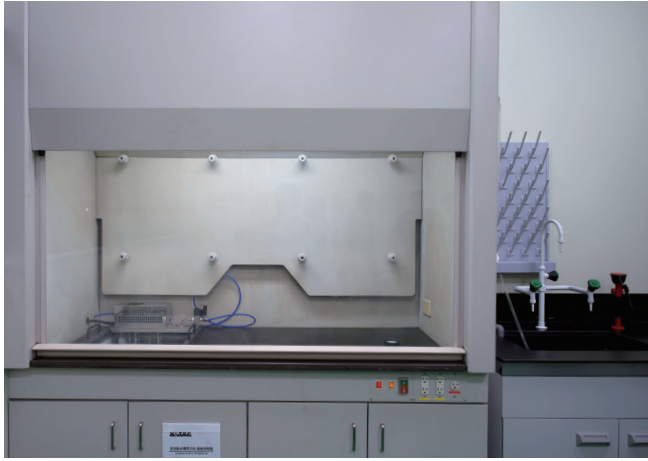
JIS B2401	Measurements in millimeters				Measurements in inches							
SIZE	ID(内径)mm	±(公差)	W(線径)mm	±(公差)	ID(内径)	±(公差)	W(線径)	±(公差)				
S 3	2.5	±0.15	1.5	±0.10	0.098	0.006	0.059	0.004				
S 4	3.5			±0.10	0.138			0.004				
S 5	4.5			±0.10	0.177			0.004				
S 6	5.5			±0.10	0.217			0.004				
S 7	6.5			±0.10	0.256			0.004				
S 8	7.5			±0.10	0.295			0.004				
S 9	8.5			±0.10	0.335			0.004				
S 10	9.5			±0.10	0.374			0.004				
S 11.2	10.7			±0.10	0.421			0.004				
S 12	11.5			±0.10	0.453			0.004				
S 12.5	12			±0.10	0.472			0.004				
S 14	13.5			±0.10	0.531			0.004				
S 15	14.5			±0.10	0.571			0.004				
S 16	15.5			±0.10	0.610			0.004				
S 18	17.5			±0.10	0.689			0.004				
S 20	19.5			±0.10	0.768			0.004				
S 22	21.5			±0.10	0.846			0.004				
S 22.4	21.9			±0.25	2			±0.10	0.862	0.010	0.079	0.004
S 24	23.5				2			±0.10	0.925		0.079	0.004
S 25	24.5				2			±0.10	0.965		0.079	0.004
S 26	25.5	2	±0.10		1.004	0.079	0.004					
S 28	27.5	2	±0.10		1.083	0.079	0.004					
S 29	28.5	2	±0.10		1.122	0.079	0.004					
S 30	29.5	2	±0.10		1.161	0.079	0.004					
S 31.5	31	2	±0.10		1.220	0.079	0.004					
S 32	31.5	2	±0.10		1.240	0.079	0.004					
S 34	33.5	2	±0.10		1.319	0.079	0.004					
S 35	34.5	2	±0.10		1.358	0.079	0.004					
S 35.5	35	2	±0.10		1.378	0.079	0.004					
S 36	35.5	2	±0.10		1.398	0.079	0.004					
S 38	37.5	2	±0.10		1.476	0.079	0.004					
S 39	38.5	2	±0.10		1.516	0.079	0.004					
S 40	39.5	2	±0.10		1.555	0.079	0.004					
S 42	41.5	2	±0.10		1.634	0.079	0.004					
S 44	43.5	2	±0.10		1.713	0.079	0.004					
S 45	44.5	2	±0.10		1.752	0.079	0.004					
S 46	45.5	2	±0.10		1.791	0.079	0.004					
S 48	47.5	2	±0.10	1.870	0.079	0.004						
S 50	49.5	2	±0.10	1.949	0.079	0.004						
S 53	52.5	±0.25	2	±0.10	2.067	0.010	0.079	0.004				
S 55	54.5		2	±0.10	2.146		0.079	0.004				
S 56	55.5		2	±0.10	2.185		0.079	0.004				
S 60	59.5		2	±0.10	2.343		0.079	0.004				
S 63	62.5		2	±0.10	2.461		0.079	0.004				
S 65	64.5		2	±0.10	2.539		0.079	0.004				
S 67	66.5		2	±0.10	2.618		0.079	0.004				
S 70	69.5		2	±0.10	2.736		0.079	0.004				

B2401 Dimensions

JIS B2401 is the Japanese Industrial Standard for O-rings.
 Manufacturing the O-rings over than the in side diameter 2000mm by KT Seal Co., Ltd.

JIS B2401	Measurements in millimeters				Measurements in inches			
	SIZE	ID(内径)mm	±(公差)	W(線径)mm	±(公差)	ID(内径)	±(公差)	W(線径)
S 71	70.5	±0.40	2	±0.10	2.776	0.016	0.079	0.004
S 75	74.5		2	±0.10	2.933		0.079	0.004
S 80	79.5		2	±0.10	3.130		0.079	0.004
S 85	84.5		2	±0.10	3.327		0.079	0.004
S 90	89.5		2	±0.10	3.524		0.079	0.004
S 95	94.5		2	±0.10	3.720		0.079	0.004
S 100	99.5		2	±0.10	3.917		0.079	0.004
S 105	104.5		2	±0.10	4.114		0.079	0.004
S 110	109.5		2	±0.10	4.311		0.079	0.004
S 112	111.5		2	±0.10	4.390		0.079	0.004
S 115	114.5		2	±0.10	4.508		0.079	0.004
S 120	119.5		2	±0.10	4.705		0.079	0.004
S 125	124.5	±0.60	2	±0.10	4.902	0.024	0.079	0.004
S 130	129.5		2	±0.10	5.098		0.079	0.004
S 132	131.5		2	±0.10	5.177		0.079	0.004
S 135	134.5		2	±0.10	5.295		0.079	0.004
S 140	139.5		2	±0.10	5.492		0.079	0.004
S 145	144.5		2	±0.10	5.689		0.079	0.004
S 150	149.5		2	±0.10	5.886		0.079	0.004







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