



HI-TECH'S

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台灣第一品牌

PVDF and PVDF(FRP COATED) PIPE/ FITTING/FLANGE 2016

FAIR BRAIN DESIGN TEL：886 4 2475 1919

ISO 9001

PVDF and PVDF (FRP COATED)

PIPES / FITTING / FLANGE

PRODUCTS ARE GOOD AT CORRASION / CHEMICAL RESISTANCE.



THE HI-TECH's, HI-QUALITLY's PROUDCTS RANG

DURA FLOW

SHIE. YU



集團總裁 蔡添壽　　Chairman　TSAI TIEN-SHOU

經營理念

大發管材工業股份有限公司是屬於協羽工業集團旗下子公司，專業製造生產各種塑膠管及配件及閥門，協羽集團成立於1972年，一向致力於化學工業、電子業及公共工程等, 品質技術均達到國際水準。大發公司目前擁有二個工廠，全體員工246人，全集團生產廠均通過ISO9001認證及美國衛生協會認證之NSF合格廠。並取得國家標準9項CNS　正字標記產品認證及行政院環保署環保標章合格廠。確保提供全球客戶高品質可靠的工業產品。

大發公司一向以”品質第一”、”技術領先”、客戶滿意”為宗旨，DFP的產品銷售全世界均有完善服務團隊，因此我們希望在塑膠管、配件及閥們的專業領域上，能提供更完整的產品系列促進最佳選擇。客戶的需求是我們最大的前動力，我們以達成客戶滿意為最大目標，因此國內外客戶及各大知名工程公司及民營企業均成為我們長期客戶，並與國際知名品牌廠商建立OEM良好合作關係並大量生產供應。我們職志將 DFP 產品成為國際各種塑膠管、配件及閥門的優良品牌。產品群將滿足客戶獲得市場的肯定與禮讚。

創新研發

大發人本著精益求精精神，對現有產品持續改良，並也依據產品不同的使用場合的需要條件，對產品的材質作研發改善及結構的研發創新，以求使產品達到最佳的適用性以及客戶的滿意。特別我們擁有模具廠，內有完整的全套開模，硬體設備，更配合設計軟體及專業技術人員，配合研發團隊以快速精確模具設計以滿足客戶及市場的需求。再則我們也持續對研發相關配備、人員擴充，使我們的研發工作得以達到國際的水準。





Operation Philosophy

Dura Flow(DFP), a subsidiary of Shie Yu Machine, specializes in the production of valves, fittings, and pipes. Founded in 1972, Shie Yu has been devoting to chemical industry, electronic industry as well as public construction. Our production technology meets the international standard. Dura Flow currently has two manufacturing factories containing a total of 246 employees. To provide high quality of products to customers, all of our factories are certified by ISO(International Standard Organization) 9001, NSF(National Sanitation Foundation), and CNS(Chinese National Standards). In addition, Dura Flow is dedicated to being a global green service provider, so our factories are certified with the Green Mark.

With the principles of providing superior quality products and innovative technology as well as to satisfying the demands of our customers, Dura Flow provides perfect after-sales service and a variety of products in valves, fittings, and pipes to the customers in all of the world. Based on the professional knowledges on the pipes, fittings and valves to enhance the comprehensive chose to the customers.

Because of the sincere attitude and service, many famous engineering companies are willing to establish a long-term business relationship and also build the OEM cooperation with many world-brands to have the massive production supply. Our aim is to have +DFP+ become internationally well-known brand on the plastic pipes, fittings and vales. Dura Flow resolves to develop a superior service brand (DFP). We believe our products will be satisfied to customers and be gained a foothold in the market.

Innovation and R&D

The Dura Flow people based on the desire to provide better products, we continue to improve our existing products, and do R&D work on materials, innovation of product structure to meet the requirements for a wide variety of applications. We have our own in-house tooling department employing staff of experienced and skilled tool and die makers, and equipped with sophisticated and precise CAD/CAM machines for today's ever-changing market. In addition, we are dedicated to workforce performance and R&D work on related fittings to keep up with innovation.



大發營運總部
Dura Flow Oprational Headruarters.

產品四大特色

我們不斷增強現有產品群，競競業業的運用先進技術改變製程。已突破生產大尺寸塑膠蝶閥、逆止閥等及管材、配件，擁有業界需求完整的產品群。藉結合市場知識及我們的專業經驗、設計規劃及精確的製程能力，持續提供客戶最佳的產品，本公司產品擁有四大特色：

一、生產材質最齊全:有生產UPVC，HIW-PVC，CPVC(HT-PVC)，HD-PE，PP-H，ABS，PVDF等7種原料製造。不同原料、不同生產設備在同一生產廠生產目前世界唯一。

二、生產尺寸規格最大最齊全:生產尺寸UPVC1/2"～24"、HIW-PVC1/2"～24"、CPVC(HT-PVC)1/2"～24"、HD-PE § 12～ § 1200mm、PPH § 12～ § 1200mm、ABS § 12～ § 630mm、PVDF § 12～ § 800 mm，生產規格符合世界標準規格各國使用，如日本規格JIS、美國規格ANSI、SCH80、SCH40、德國規格DIN PN2.5至PN30,英國 BS 規格，或由客戶指定之特殊規格均可供應。

三、直管、配件及閥門為同一家生產廠全方位產品鏈供應，目前是市場上最齊全的供應商，能滿足業界一次性最佳的服務。

四、產品特點
1.全世界超大型塑膠蝶閥28".32".36".40".48"製造採一體成型生產。並獲得台灣專利權及中國、日本、美國、韓國專利申請中。
2. UPVC.CPVC SCH80 14".16".18" 90L.45L、三通、直接射出成型品。

經過多方面技術超越提升，將塑膠閥壓力等級大大提高。部分產品由原來使用壓力10kg，提高至使用壓力15kg，對市場使用上一大創舉。

Four main product features

At the same time, we are continually adding to our existing comprehensive product line, actively taking advantage of advanced technique to improve process。We have made a breakthrough in production of large-sized thermoplastic valves, check valves, and pipes, fittings, making us the most complete product line for the industry demands. Our products own the 4 distinctive features:

The first feature : The complete production materials. Offering UPVC, HIW-PVC, CPVC, (HT-PVC), HD-PE, PP-H, ABS, PVDF several material products. The only company in the world which run the 7 different materials in one production site.

The second feature : The complete production sizes and the largest production size: The available production size : UPVC 1/2"-24", HIW-PVC: 1/2"-24", CPVC(HT-PVC) :1/2"-24", HD-PE : ϕ 12~ ϕ 1200mm, PPH : ϕ 12~ ϕ 1200mm, ABS, PVDF: ϕ 12~ ϕ 800mm. The production dimension standards : JIS (Japanese), ANSI SCH80, SCH40(American), DIN PN2.5~PN30(European), BS (British), and customer appointed special dimension is also available.

The third feature : One stop manufacturing supplier – Pipe, fittings and valves in manufacturer. We are providing the full customer demands.

The forth feature : Our product has the following special characters:
1. The world largest thermoplastic butterfly by one-piece molded for the sizes: 28", 32", 36", 40", 48" and owned patent in Taiwan, and under applying China, Japan, America, and Korea patent.
2. The largest UPVC, CPVC SCH80 14", 16"18"90D elbow, 45D elbow , Tee are in one-piece molded. Enhance our all around techniques, upgrade the thermoplastic valve pressure resistant rates. Some products have been up from 10kgf/cm to 15kgf/cm2. This is the pioneering task.

We provide our customers with the best products by integration of knowledge in today's marketplace, our business experience, innovation and precise production techniques.



TECHNICAL CONNECTION



連接技術

一向以”產品齊全、材質齊全、尺寸及規格齊全”，” 品質第一”，“ 技術領先”、”客戶滿意”為宗旨，由專業生產閥門到配件及直管一系列完整服務，進而受到設計公司及業界選用指定的第一品牌，要求達整廠產品供應及技術教學及施作，進而「心技合一」的增加工程公司安裝施工團隊，將施工的技術及服務內容加入營業目標連結，為達此目標，重視實務產品並提升整體工程人員技法、提供新技術或專業意見等，以合理的產品成本、高水準的施工技術、嚴密的品質管理及負責任的態度，整廠完整性服務。

工程橫跨各業界如化工業、半導體業、重大公共工程、電力相關工程、潛鑽工程、自來水工程、環境保護工程、廢水處理工程、鋼鐵酸洗業、及各式特殊工程等。產品精良齊全，為業界選用的第一品牌。

Technical Connection

The SHIE YU Group's principles – Full Completed Products, Full Completed Materials, the full completed dimension & standards, Quality First, Technique leading, we are from the professional valve manufacture then to the fittings and pipes the whole system materials as the No. 1 appointed brand by the engineering design companies and the supplier for the whole-plant materials, technical teaching and operations. Building the engineering installation company input the installation techniques and service to the business goals. We are taking care on the products and advance the engineers techniques, Introduce new techniques and professional opinions in order to reach the reasonable product cost , high standard installation techniques, strict quality management and responsible working attitude.

Our engineering works is covering of Chemical industries, Semi-conductor industries, public constructions, electricity constructions, digging constructions, and potable water industry , environmental protection engineering, waster water treatment, and steel acid-washing and etc special engineering. The most completed products and the top No.1 brand in the industry.



化學工業
Chemical Industry

電子半導體
Electronic / Semiconductor Idustry

國際參展
International Exhibitors

海水碼頭
Seawater Wharf

HD-PE自來水管
HD-PE Portable Water Relining

海水養殖場
Sea Farming Industry

火力發電廠使用
Thermal Power Plant





ADVANCED EQUIPMENT

先進生產設備，精良實驗儀器

優良的產品要有精密機械設備及原物料，本公司引進先進國家奧地利CICINNATI公司全自動押出成型機生產線、德國品牌BATTENFIELD公司等先進精良機械設備；及特別擁有世界第一超大型電腦全自動射出成型機，尤其生產CPVC原料一次成型可達126公斤；我們慎選優良品質原料，對原料加以分析測試，確定符合規範標準方可上線生產。我們實驗室有最齊全的檢測設備，可以將原物料，產品的物性做完全的檢測判定，做為選用之依據，出貨前品質的掌握及產品出貨後品質確保，一達全面優良產品為目標。

Advanced Production Equipment Sophisticated Experimental Instruments

Excellent products derive from precision machinery equipment and raw materials. For this purpose, we have introduced the Fully-automated Extrusion Machine production line from Austria's CICINNATI and advanced machinery equipment from German's BATTENFIELD. Further, we also possess the world's largest computer-based Automatic Injection Machine, which can yield 126kg of CPVC material in one molding process. The materials selected by us are superior in quality, and are analyzed and tested to ensure they meet specification standards before putting into production. Our laboratory has a complete set of testing / inspection equipments to test, inspect and judge the product properties in comprehensive manner so that they may be used as the basis of selection. We control quality before delivery and ensure quality after, to guarantee superior products are delivered.


1200Ø HD-PE管 全自動擠管生產線
1200Ø HD-PE Pipe Auto-extrusion Production Line

PRODUCT CERTIFICATION



新產品技術國際研討會議
The International New Product Technique Discussion Meeting

產品認證

產品通過認證如下：

- 全生產廠全部通過ISO 9001認證合格
- 美國衛生協會認證NSF合格廠
- 行政院環保署環保標章合格廠
- 取得國家標準9項CNS正字標記產品認證如下：

CNS編號	類號	產品名稱
4053-1	K3033-1	自來水用聚氯乙烯塑膠硬質管
1298	K3004	聚氯乙烯塑膠硬質管
1302	K3006	導電線用聚氯乙烯塑膠管
14345	K3114	耐衝擊硬質聚氯乙烯塑膠管
14664	K3121	氯化聚氯乙烯(CPVC)塑膠管
2456-2	K3012	自來水用聚氯乙烯塑膠管
2456-2	K3013	一般用高密度聚乙烯塑膠管
12835	K3097	天然氣用聚乙烯塑膠管
13158	K3102	自來水用丙烯-丁二烯-苯乙烯(ABS)塑膠管





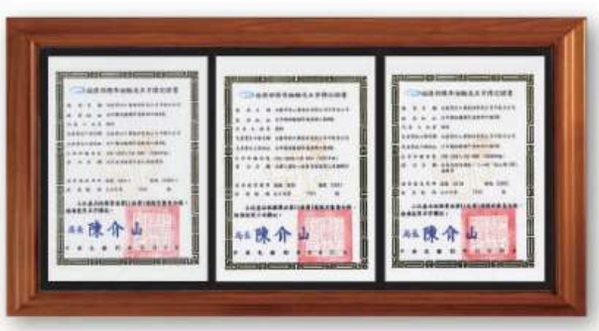


Product Certification

Listed below are certifications honored for our products:

- All our factories have been honored with ISO 9001 Certification.
- One factory qualified for NSF certification.
- One factory honored with the environmental.
- Protection badge by the Environmental Protection Administration of the Executive Yuen.
- Listed below are 9 authentic marks certified by CNS:

CNS General Number	Category Number	Product Name
4053-1	K3033-1	Tap Water Hardened PVC Pipe
1298	K3004	Hardened PVC Pipe
1302	K3006	Conductive Wire Hardened PVC Pipe
14345	K3114	Impact-resistant Hardened PVC Pipe
14664	K3121	CPVC Pipe
2456-2	K3012-2	Tap Water PE Pipe
2456-2	K3013-2	General Purpose HDPE Pipe
12835	K3097	Natural Gas PE Pipe
13158	K3102	Tap Water ABS Pipe





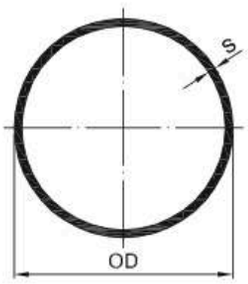
PVDF 目錄索引

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PVDF PIPE

Liner, PN10, PN16, PN20
for butt welding
Tekwelding IR-welding
BCF-welding
socket welding

直管
DFP PIO

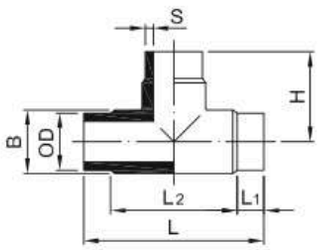


OD (mm)	LINER		SDR33 ISO S16 PN10			SDR21 ISO S10 PN16			SDR17 ISO S8 PN20		
	S (mm)	Weight (kg/m)	Code	S (mm)	Weight (kg/m)	Code	S (mm)	Weight (kg/m)	Code	S (mm)	Weight (kg/m)
16	--	--	--	--	--	--	--	--	51-PIO-17-0016	1.5	0.14
20	--	--	--	--	--	51-PIO-21-0020	1.9	0.21	51-PIO-17-0020	1.9	0.21
25	--	--	--	--	--	51-PIO-21-0025	1.9	0.27	51-PIO-17-0025	1.9	0.27
32	2.4	0.44	--	--	--	51-PIO-21-0032	2.4	0.44	51-PIO-17-0032	2.4	0.44
40	2.4	0.55	--	--	--	51-PIO-21-0040	2.4	0.55	51-PIO-17-0040	2.4	0.55
50	2.5	0.73	--	--	--	51-PIO-21-0050	3.0	0.85	51-PIO-17-0050	3.0	0.85
63	2.5	0.93	51-PIO-33-0063	2.0	0.93	51-PIO-21-0063	3.0	1.09	51-PIO-17-0063	3.8	1.29
75	2.5	1.11	51-PIO-33-0075	2.3	1.11	51-PIO-21-0075	3.6	1.55	51-PIO-17-0075	4.5	1.83
90	2.8	1.48	51-PIO-33-0090	2.8	1.48	51-PIO-21-0090	4.3	2.22	51-PIO-17-0090	5.4	2.60
110	3.0	1.94	51-PIO-33-0110	3.4	2.20	51-PIO-21-0110	5.3	3.32	51-PIO-17-0110	6.6	3.90
125	3.0	2.21	51-PIO-33-0125	3.9	2.84	51-PIO-21-0125	6.0	4.24	--	--	--
140	3.0	2.49	51-PIO-33-0140	4.3	3.52	51-PIO-21-0140	6.7	5.31	--	--	--
160	3.0	2.85	51-PIO-33-0160	4.9	4.54	51-PIO-21-0160	7.7	6.69	--	--	--
180	3.0	3.21	51-PIO-33-0180	5.5	5.74	51-PIO-21-0180	8.6	8.74	--	--	--
200	3.0	3.85	51-PIO-33-0200	6.2	7.19	51-PIO-21-0200	9.6	10.83	--	--	--
225	3.0	4.03	51-PIO-33-0225	6.9	8.95	51-PIO-21-0225	10.8	13.67	--	--	--
250	3.0	4.48	51-PIO-33-0250	7.7	11.09	51-PIO-21-0250	11.9	16.73	--	--	--
280	3.5	5.87	51-PIO-33-0280	8.6	13.86	51-PIO-21-0280	13.4	21.11	--	--	--
315	4.0	7.47	51-PIO-33-0315	9.7	17.55	51-PIO-21-0315	15.0	26.51	--	--	--
355	4.0	8.43	51-PIO-33-0335	10.9	22.00	--	--	--	--	--	--
400	5.0	11.81	51-PIO-33-0400	12.3	28.03	--	--	--	--	--	--
450	5.0	13.30	51-PIO-33-0450	13.7	35.31	--	--	--	--	--	--
500	--	--	51-PIO-33-0500	15.2	48.0	--	--	--	--	--	--
560	--	--	51-PIO-33-0560	17.0	62.0	--	--	--	--	--	--
630	--	--	51-PIO-33-0630	19.1	73.0	--	--	--	--	--	--

PVDF TEE

reinforced
for butt welding
molded from PVDF

對接正三通
DFP TT1



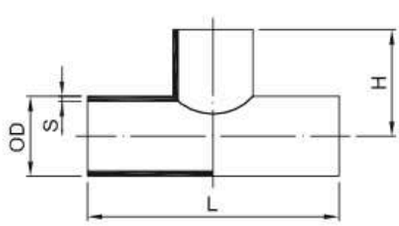


OD (mm)	H (mm)	L (mm)	L1 (mm)	L2 (mm)	B (mm)	SDR33 ISO S16 PN10		SDR21 ISO S10 PN16	
						Code	S (mm)	Code	S (mm)
20	35.00	70.0	15.0	40.0	21.0	--	--	51-TT1-21-0020	1.9
25	40.00	80.0	15.0	50.0	26.0	--	--	51-TT1-21-0025	1.9
32	47.75	89.0	17.0	55.0	33.4	--	--	51-TT1-21-0032	2.4
40	50.00	101.5	15.0	71.5	42.0	--	--	51-TT1-21-0040	2.4
50	60.00	122.0	23.0	76.0	52.0	--	--	51-TT1-21-0050	3.0
63	75.50	150.0	27.0	96.0	65.0	51-TT1-33-0063	2.0	51-TT1-21-0063	3.0
75	87.50	176.0	28.0	120.0	76.8	51-TT1-33-0075	2.3	51-TT1-21-0075	3.6
90	91.75	182.0	32.5	117.0	93.5	51-TT1-33-0090	2.8	51-TT1-21-0090	4.3
110	110.5	217.5	34.5	148.5	114.0	51-TT1-33-0110	3.4	51-TT1-21-0110	5.3
125	119.5	239.0	35.0	169.0	133.0	51-TT1-33-0125	3.9	51-TT1-21-0125	6.0
140	126.0	252.0	35.0	182.0	150.0	51-TT1-33-0140	4.3	51-TT1-21-0140	6.7
160	137.0	274.0	35.0	204.0	170.0	51-TT1-33-0160	4.9	51-TT1-21-0160	7.7
180	158.5	317.0	35.0	247.0	190.0	51-TT1-33-0180	5.5	51-TT1-21-0180	8.6
200	168.0	336.0	35.0	266.0	210.0	51-TT1-33-0200	6.2	51-TT1-21-0200	9.6
225	170.0	340.0	40.0	260.0	235.0	51-TT1-33-0020	6.9	51-TT1-21-0020	10.8
250	209.0	418.0	45.0	328.0	262.0	51-TT1-33-0250	7.7	51-TT1-21-0250	11.9
280	257.0	514.0	70.0	374.0	284.0	51-TT1-33-0280	8.6	51-TT1-21-0280	13.4
315	275.0	550.0	70.0	410.0	331.0	51-TT1-33-0315	9.7	51-TT1-21-0315	15.0

PVDF TEE

molded from PVDF
(Fabricated)
for butt welding

手工對接正三通
DFP TT4



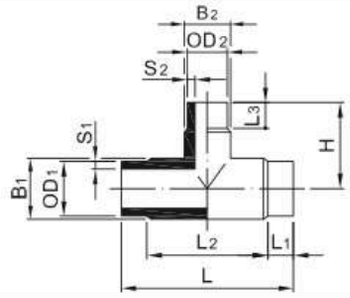
OD (mm)	H (mm)	L (mm)	SDR33 ISO S16 PN10		SDR21 ISO S10 PN16	
			Code	S (mm)	Code	S (mm)
355	160	675	51-TT4-33-0355	10.9	--	--
400	180	760	51-TT4-33-0400	12.3	--	--
450	200	850	51-TT4-33-0450	13.7	--	--
500	220	940	51-TT4-33-0500	15.2	--	--
560	240	1040	51-TT4-33-0560	17.0	--	--
630	250	1130	51-TT4-33-0630	19.1	--	--

手工製品(Fabricated)

REDUCED TEE

molded from PVDF
for butt welding

對接異徑三通
DFP TR1



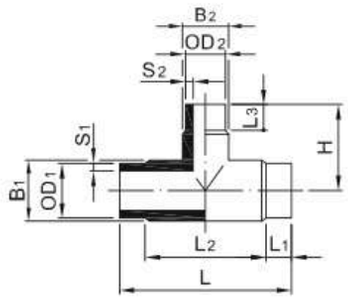
OD1/OD2 (mm)	H (mm)	L (mm)	L1 (mm)	L2 (mm)	L3 (mm)	B1 (mm)	B2 (mm)	SDR33 ISO S16 PN10 Code	SDR33 ISO S16 PN10 S1/S2 (mm)	SDR21 ISO S10 PN16 Code	SDR21 ISO S10 PN16 S1/S2 (mm)
63-32	68.5	124	26	72	26	65.0	33.4	--	--	51-TR1-21-063032	3.0/2.4
63-50	68.5	124	26	72	26	65.0	52.0	--	--	51-TR1-21-063050	3.0/3.0
75-50	74.5	127	26	75	26	76.8	52.0	--	--	51-TR1-21-075050	3.6/3.0
75-63	74.5	127	26	75	26	76.8	65.0	51-TR1-33-075063	2.3/2.0	51-TR1-21-075063	3.6/3.0
90-63	85.2	153.8	26	101.8	26	93.5	65.0	51-TR1-33-090063	2.8/2.0	51-TR1-21-090063	4.3/3.0
90-75	85.2	153.8	26	101.8	26	93.5	76.8	51-TR1-33-090075	2.8/2.3	51-TR1-21-090075	4.3/3.6
△ 110-32	101	218	-	-	-	-	-	--	--	51-TR1-21-110032	5.3/2.4
△ 110-40	101	218	-	-	-	-	-	--	--	51-TR1-21-110040	5.3/2.4
△ 110-50	101	218	-	-	-	-	-	--	--	51-TR1-21-110050	5.3/3.0
110-63	101	218	30	158	26	114	65.0	51-TR1-33-110063	3.4/2.0	51-TR1-21-110063	5.3/3.0
△ 110-75	101	218	-	-	-	-	-	51-TR1-33-110075	3.4/2.3	51-TR1-21-110075	5.3/3.6
110-90	101	218	30	158	29	114	93.5	51-TR1-33-110090	3.4/2.8	51-TR1-21-110090	5.3/4.3
△ 125-40	106	214	-	-	-	-	-	--	--	51-TR1-21-125040	6.0/2.4
△ 125-50	106	214	-	-	-	-	-	--	--	51-TR1-21-125050	6.0/3.0
△ 125-63	106	214	35	144	26	130	65.0	--	3.9/2.0	51-TR1-21-125063	6.0/3.0
125-75	106	214	35	144	26	130	76.8	51-TR1-33-125075	3.9/2.3	51-TR1-21-125075	6.0/3.6
125-90	106	214	35	144	26	130	93.5	51-TR1-33-125090	3.9/2.8	51-TR1-21-125090	6.0/4.3
125-110	106	214	35	144	30	130	114.0	51-TR1-33-125110	3.9/3.4	51-TR1-21-125110	6.0/5.3
△ 140-50	114	214	-	-	-	-	-	--	--	51-TR1-21-140050	6.7/3.0
△ 140-63	114	214	35	144	26	146	65.0	51-TR1-33-140063	4.3/2.0	51-TR1-21-140063	6.7/3.0
140-75	114	214	35	144	26	146	76.8	51-TR1-33-140075	4.3/2.3	51-TR1-21-140075	6.7/3.6
140-90	114	214	35	144	26	146	93.5	51-TR1-33-140090	4.3/2.8	51-TR1-21-140090	6.7/4.3
140-110	114	214	35	144	30	146	114.0	51-TR1-33-140110	4.3/3.4	51-TR1-21-140110	6.7/5.3
140-125	114	214	-	-	-	-	-	51-TR1-33-140125	4.3/3.9	51-TR1-21-140125	6.7/6.0
△ 160-63	126	286	35	144	26	167	65.0	51-TR1-33-160063	4.9/2.0	51-TR1-21-160063	7.7/3.0
△ 160-75	126	286	-	-	-	-	-	51-TR1-33-160075	4.9/2.3	51-TR1-21-160075	7.7/3.6
160-90	133	286	35	144	26	167	93.5	51-TR1-33-160090	4.9/2.8	51-TR1-21-160090	7.7/4.3
160-110	133	286	35	144	29	167	114.0	51-TR1-33-160110	4.9/3.4	51-TR1-21-160110	7.7/5.3
160-125	133	286	-	-	-	-	-	51-TR1-33-160125	4.9/3.9	51-TR1-21-160125	7.7/6.0
160-140	133	286	-	-	-	-	-	51-TR1-33-160140	4.9/4.3	51-TR1-21-160140	7.7/6.7
△ 180-63	144	220	35	150	26	188	65.0	51-TR1-33-180063	5.5/2.0	51-TR1-21-180063	8.6/3.0
△ 180-75	144	220	35	150	26	188	76.8	51-TR1-33-180075	5.5/2.3	51-TR1-21-180075	8.6/3.6
180-90	144	220	35	150	26	188	93.5	51-TR1-33-180090	5.5/2.8	51-TR1-21-180090	8.6/4.3
180-110	144	220	35	150	30	188	114.0	51-TR1-33-180110	5.5/3.4	51-TR1-21-180110	8.6/5.3
180-125	144	220	35	150	35	188	130.0	51-TR1-33-180125	5.5/3.9	51-TR1-21-180125	8.6/6.0
△180-140	144	220	-	-	-	-	-	51-TR1-33-180140	5.5/4.3	51-TR1-21-180140	8.6/6.7
△180-160	144	220	-	-	-	-	-	51-TR1-33-180160	5.5/4.9	51-TR1-21-180160	8.6/7.7

△ 轉接品(Transition)

REDUCED TEE

(Fabricated)
molded from PVDF
for butt welding

對接異徑三通
DFP TR1



OD1/OD2 (mm)	H (mm)	L (mm)	L1 (mm)	L2 (mm)	L3 (mm)	B1 (mm)	B2 (mm)	SDR33 ISO S16 PN10 Code	SDR33 ISO S16 PN10 S1/S2 (mm)	SDR21 ISO S10 PN16 Code	SDR21 ISO S10 PN16 S1/S2 (mm)
△ 200-63	157.0	273	35	203	26	208	65.0	51-TR1-33-200063	6.2/2.0	51-TR1-21-200063	9.6/3.0
△ 200-90	157.0	273	35	203	26	208	93.5	51-TR1-33-200090	6.2/2.8	51-TR1-21-200090	9.6/4.3
200-110	157.0	273	35	203	30	208	114.0	51-TR1-33-200110	6.2/3.4	51-TR1-21-200110	9.6/5.3
200-125	157.0	273	35	203	35	208	130.0	51-TR1-33-200125	6.2/3.9	51-TR1-21-200125	9.6/6.0
200-140	157.0	273	35	203	35	208	146.0	51-TR1-33-200140	6.2/4.3	51-TR1-21-200140	9.6/6.7
200-160	157.0	273	35	203	35	208	167.0	51-TR1-33-200160	6.2/4.9	51-TR1-21-200160	9.6/7.7
200-180	157.0	273	-	-	-	-	-	51-TR1-33-200180	6.2/5.5	51-TR1-21-200180	9.6/8.6
△ 225-75	171.5	306	40	226	26	235	76.8	51-TR1-33-225075	6.9/2.3	51-TR1-21-225075	10.8/3.6
△ 225-90	171.5	306	40	226	26	235	93.5	51-TR1-33-225090	6.9/2.8	51-TR1-21-225090	10.8/4.3
△225-110	171.5	306	40	226	30	235	114.0	51-TR1-33-225110	6.9/3.4	51-TR1-21-225110	10.8/5.3
225-125	171.5	306	40	226	35	235	130.0	51-TR1-33-225125	6.9/3.9	51-TR1-21-225125	10.8/6.0
△225-140	171.5	306	-	-	-	-	-	51-TR1-33-225140	6.9/4.3	51-TR1-21-225140	10.8/6.7
225-160	171.5	306	40	226	35	235	167.0	51-TR1-33-225160	6.9/4.9	51-TR1-21-225160	10.8/7.7
225-180	171.5	306	40	226	35	235	188.0	51-TR1-33-225180	6.9/5.5	51-TR1-21-225180	10.8/8.6
△225-200	171.5	306	-	-	-	-	-	51-TR1-33-225200	6.9/6.2	51-TR1-21-225200	10.8/9.6
△250-110	188.0	325	45	235	30	260	114.0	51-TR1-33-250110	7.7/3.4	51-TR1-21-250110	11.9/5.3
△250-125	188.0	325	-	-	-	-	-	51-TR1-33-250125	7.7/3.9	51-TR1-21-250125	11.9/6.0
△250-140	188.0	325	45	235	35	260	146.0	51-TR1-33-250140	7.7/4.3	51-TR1-21-250140	11.9/6.7
250-160	188.0	325	45	235	35	260	167.0	51-TR1-33-250160	7.7/4.9	51-TR1-21-250160	11.9/7.7
△250-180	188.0	325	-	-	-	-	-	51-TR1-33-250180	7.7/5.5	51-TR1-21-250180	11.9/8.6
250-200	188.0	325	45	235	35	260	208.0	51-TR1-33-250200	7.7/6.2	51-TR1-21-250200	11.9/9.6
250-225	188.0	325	45	235	40	260	235.0	51-TR1-33-250225	7.7/6.9	51-TR1-21-250225	11.9/10.8
* 280-140	210	400	-	-	-	-	-	51-TR1-33-280140	8.6/4.3	51-TR1-21-280140	13.4/6.7
* 280-160	220	420	-	-	-	-	-	51-TR1-33-280160	8.6/4.9	51-TR1-21-280160	13.4/7.7
* 280-180	220	440	-	-	-	-	-	51-TR1-33-280180	8.6/5.5	51-TR1-21-280180	13.4/8.6
* 280-200	235	460	-	-	-	-	-	51-TR1-33-280200	8.6/6.2	51-TR1-21-280200	13.4/9.6
* 280-225	245	485	-	-	-	-	-	51-TR1-33-280225	8.6/6.9	51-TR1-21-280225	13.4/10.8
* 280-250	260	510	-	-	-	-	-	51-TR1-33-280250	8.6/7.7	51-TR1-21-280250	13.4/11.9
* 315-160	237.5	450	-	-	-	-	-	51-TR1-33-315160	9.7/4.9	51-TR1-21-315160	15.0/7.7
* 315-180	237.5	470	-	-	-	-	-	51-TR1-33-315180	9.7/5.5	51-TR1-21-315180	15.0/8.6
* 315-200	252.5	490	-	-	-	-	-	51-TR1-33-315200	9.7/6.2	51-TR1-21-315200	15.0/9.6
* 315-225	262.5	510	-	-	-	-	-	51-TR1-33-315225	9.7/6.9	51-TR1-21-315225	15.0/10.8
* 315-250	277.5	540	-	-	-	-	-	51-TR1-33-315250	9.7/7.7	51-TR1-21-315250	15.0/11.9
* 315-280	287.5	570	-	-	-	-	-	51-TR1-33-315280	9.7/8.6	51-TR1-21-315280	15.0/13.4

△ 轉接品(Transition)　＊ 手工製品(Fabricated)

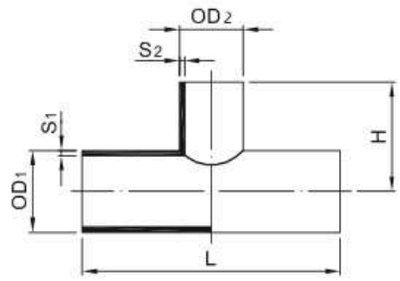
REDUCED TEE

(Fabricated)

molded from PVDF
for butt welding

手工對接異徑三通

DFP TR3



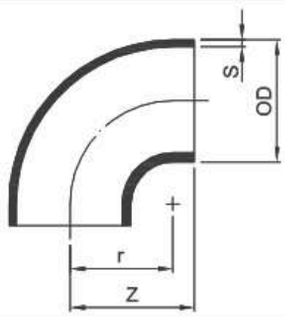
OD1/OD2 (mm)	H (mm)	L (mm)	SDR33 ISO S16 PN10	
			Code	S (mm)
355-180	257.5	500	51-TR3-33-355180	10.9/5.5
355-200	277.5	520	51-TR3-33-355200	10.9/6.2
355-225	282.5	545	51-TR3-33-355225	10.9/6.9
355-250	297.5	570	51-TR3-33-355250	10.9/7.7
355-280	307.5	600	51-TR3-33-355280	10.9/8.6
355-315	322.5	635	51-TR3-33-355315	10.9/9.7
400-200	295	560	51-TR3-33-400200	12.3/6.2
400-225	305	585	51-TR3-33-400225	12.3/6.9
400-250	320	610	51-TR3-33-400250	12.3/7.7
400-280	330	640	51-TR3-33-400280	12.3/8.6
400-315	345	675	51-TR3-33-400315	12.3/9.7
400-355	360	715	51-TR3-33-400355	12.3/10.9
450-225	330	625	51-TR3-33-450225	13.7/6.9
450-250	345	650	51-TR3-33-450250	13.7/7.7
450-280	355	680	51-TR3-33-450280	13.7/8.6
450-315	370	715	51-TR3-33-450315	13.7/9.7
450-355	385	755	51-TR3-33-450355	13.7/10.9
450-400	405	800	51-TR3-33-450400	13.7/12.3
500-250	370	690	51-TR3-33-500250	15.2/7.7
500-280	380	720	51-TR3-33-500280	15.2/8.6
500-315	395	755	51-TR3-33-500315	15.2/9.7
500-355	410	795	51-TR3-33-500355	15.2/10.9
500-400	430	840	51-TR3-33-500400	15.2/12.3
500-450	450	890	51-TR3-33-500450	15.2/13.7
560-280	410	760	51-TR3-33-560280	17.0/8.6
560-315	425	795	51-TR3-33-560315	17.0/9.7
560-355	440	835	51-TR3-33-560355	17.0/10.9
560-400	460	880	51-TR3-33-560400	17.0/12.3
560-450	480	930	51-TR3-33-560450	17.0/13.7
560-500	500	980	51-TR3-33-560500	17.0/15.2
630-315	460	815	51-TR3-33-630315	19.1/9.7
630-355	475	855	51-TR3-33-630355	19.1/10.9
630-400	495	900	51-TR3-33-630400	19.1/12.3
630-450	515	950	51-TR3-33-630450	19.1/13.7
630-500	535	1000	51-TR3-33-630500	19.7/15.2
630-560	555	1060	51-TR3-33-630560	19.1/17.0

手工製品(Fabricated)

PVDF BEND 90°

for butt welding
molded from PVDF

對接90°月彎
DFP L90



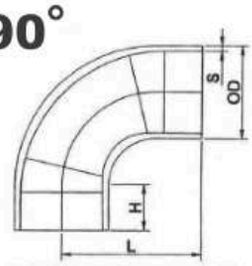


OD (mm)	Z (mm)	r (mm)	SDR 33 ISO S16 PN10		SDR 21 ISO S10 PN16	
			Code	S (mm)	Code	S (mm)
20	32	27.5	-	-	51-L90-21-0020	1.9
25	38	34.0	-	-	51-L90-21-0025	1.9
32	43	38.5	-	-	51-L90-21-0032	2.4
40	46	43.0	-	-	51-L90-21-0040	2.4
50	58	52.0	-	-	51-L90-21-0050	3.0
63	70	65.0	51-L90-33-0063	2.0	51-L90-21-0063	3.0
75	85	78.5	51-L90-33-0075	2.3	51-L90-21-0075	3.6
90	100	92.5	51-L90-33-0090	2.8	51-L90-21-0090	4.3
110	124	115.0	51-L90-33-0110	3.4	51-L90-21-0110	5.3

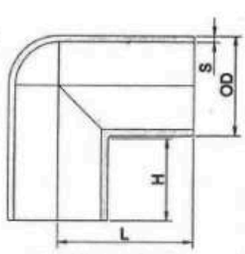
PVDF ELONGATED BEND 90°

Elongated
for butt welding
molded from PVDF

對接長型90°彎頭
DFP L93



(OD020~OD075、OD180)

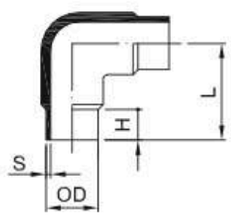


(OD090 ~ OD110)

OD (mm)	Z (mm)	r (mm)	SDR 33 ISO S16 PN10		SDR 21 ISO S10 PN16	
			Code	S (mm)	Code	S (mm)
20	64.0	41.0	-	-	51-L93-21-0020	1.9
25	51.3	26.1	-	-	51-L93-21-0025	1.9
32	58.3	26.1	-	-	51-L93-21-0032	2.4
40	92.5	52.5	-	-	51-L93-21-0040	2.4
50	108.5	58.5	-	-	51-L93-21-0050	3.0
63	129.5	69.7	51-L93-33-0063	2.0	51-L93-21-0063	3.0
75	150.0	72.0	51-L93-33-0075	2.3	51-L93-21-0075	3.6
90	129.0	84.0	51-L93-33-0090	2.8	51-L93-21-0090	4.3
110	149.0	91.0	51-L93-33-0110	3.4	51-L93-21-0110	5.3
180	290.5	121.0	51-L93-33-0180	5.5	51-L93-21-0180	8.6

PVDF BEND 90°

for butt welding
Tekelding
molded from PP-H
對接90° 彎頭
DFP L91

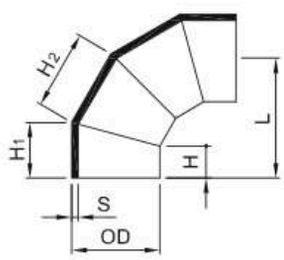




OD (mm)	H (mm)	L (mm)	SDR33 ISO S16 PN10		SDR 21 ISO S10 PN16	
			Code	S (mm)	Code	S (mm)
20	25	45.0	-	-	51-L91-21-0020	1.9
25	26	51.0	-	-	51-L91-21-0025	1.9
32	26	58.0	-	-	51-L91-21-0032	2.4
40	28	68.0	-	-	51-L91-21-0040	2.4
50	28	78.0	-	-	51-L91-21-0050	3.0
63	28	91.0	51-L91-33-0063	2.0	51-L91-21-0063	3.0
75	28	103.0	51-L91-33-0075	2.3	51-L91-21-0075	3.6
90	28	118.0	51-L91-33-0090	2.8	51-L91-21-0090	4.3
110	28	138.0	51-L91-33-0110	3.4	51-L91-21-0110	5.3
125	35	97.5	51-L91-33-0125	3.9	51-L91-21-0125	6.0
140	35	130.0	51-L91-33-0140	4.3	51-L91-21-0140	6.7
160	35	133.0	51-L91-33-0160	4.9	51-L91-21-0160	7.7
180	46	136.0	51-L91-33-0180	5.5	51-L91-21-0180	8.6
200	38	138.0	51-L91-33-0200	6.2	51-L91-21-0200	9.6
225	40	180.0	51-L91-33-0225	6.9	51-L91-21-0225	10.8
250	45	299.5	51-L91-33-0250	7.7	51-L91-21-0250	11.9
280	90	230.0	51-L91-33-0280	8.6	51-L91-21-0280	13.4
315	178	340	51-L91-33-0315	9.7	51-L91-21-0315	15.0

PVDF ELBOW 90°

molded from PVDF
(Fabricated)
for butt welding
手工對接90° 彎頭
DFP L94



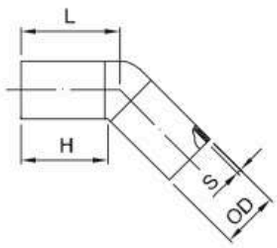
OD (mm)	H (mm)	H1 (mm)	H2 (mm)	L (mm)	SDR33 ISO S16 PN10		SDR21 ISO S10 PN16	
					Code	S (mm)	Code	S (mm)
355	160	255	350	556	51-L94-33-0315	10.9	-	-
400	180	287	394	626	51-L94-33-0400	12.3	-	-
450	200	321	441	698	51-L94-33-0450	13.7	-	-
500	220	354	488	771	51-L94-33-0500	15.2	-	-
560	240	390	539	848	51-L94-33-0560	17.0	-	-
630	250	419	588	907	51-L94-33-0630	19.1	-	-

手工製品(Fabricated)

PVDF 45° ELBOW

for butt welding
molded from PVDF

對接45°彎頭
DFP L45



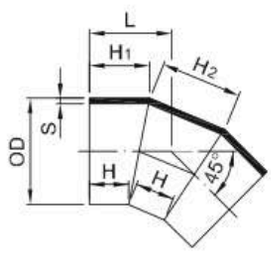


OD (mm)	H (mm)	L (mm)	SDR33 ISO S16 PN10		SDR21 ISO S10 PN16	
			Code	S (mm)	Code	S (mm)
20	28	32.0	-	-	51-L45-21-0020	1.9
25	29	34.0	-	-	51-L45-21-0025	1.9
32	30	36.0	-	-	51-L45-21-0032	2.4
40	31	39.0	-	-	51-L45-21-0040	2.4
50	32	42.0	-	-	51-L45-21-0050	3.0
63	34	47.0	51-L45-33-0063	2.0	51-L45-21-0063	3.0
75	34	49.0	51-L45-33-0075	2.3	51-L45-21-0075	3.6
90	36	55.0	51-L45-33-0090	2.8	51-L45-21-0090	4.3
110	45	68.0	51-L45-33-0110	3.4	51-L45-21-0110	5.3
125	50	81.0	51-L45-33-0125	3.9	51-L45-21-0125	6.0
140	55	91.5	51-L45-33-0140	4.3	51-L45-21-0140	6.7
160	60	94.0	51-L45-33-0160	4.9	51-L45-21-0160	7.7
180	65	110.0	51-L45-33-0180	5.5	51-L45-21-0180	8.6
200	70	120.0	51-L45-33-0200	6.2	51-L45-21-0200	9.6
225	80	127.0	51-L45-33-0225	6.9	51-L45-21-0225	10.8
250	90	150.0	51-L45-33-0250	7.7	51-L45-21-0250	11.9
280	100	170.0	51-L45-33-0280	8.6	51-L45-21-0280	13.4
315	110	184.0	51-L45-33-0315	9.7	51-L45-21-0315	15.0

PVDF 45° ELBOW

(Fabricated)
for butt welding
molded from PVDF

手工對接45°彎頭
DFP L47





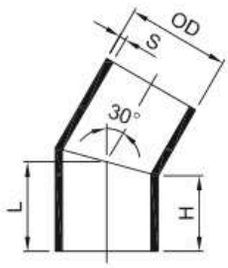
OD (mm)	H (mm)	H1 (mm)	H2 (mm)	L (mm)	SDR33 ISO S16 PN10		SDR21 ISO S10 PN16	
					Code	S (mm)	Code	S (mm)
355	160	230	302	320	51-L47-33-0355	10.9	-	-
400	180	259	340	360	51-L47-33-0400	12.3	-	-
450	200	289	398	401	51-L47-33-0450	13.7	-	-
500	220	320	410	443	51-L47-33-0500	15.2	-	-
560	240	352	452	485	51-L47-33-0560	17.0	-	-
630	250	375	488	516	51-L47-33-0630	19.1	-	-

手工製品(Fabricated)

PVDF 30° ELBOW

(Fabricated)
molded from PVDF
for butt welding

手工對接30° 彎頭
DFP L30

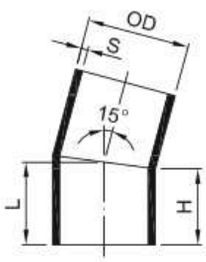


OD (mm)	H (mm)	L (mm)	SDR33 ISO S16 PN10		SDR21 ISO S10 PN16	
			Code	S (mm)	Code	S (mm)
63	50	58	51-L30-33-0063	2.0	51-L30-21-0063	3.0
90	50	62	51-L30-33-0090	2.8	51-L30-21-0090	4.3
110	60	75	51-L30-33-0110	3.4	51-L30-21-0110	5.3
125	70	86	51-L30-33-0125	3.9	51-L30-21-0125	6.0
140	70	89	51-L30-33-0140	4.3	51-L30-21-0140	6.7
160	80	101	51-L30-33-0160	4.9	51-L30-21-0160	7.7
180	80	105	51-L30-33-0180	5.5	51-L30-21-0180	8.6
200	95	121	51-L30-33-0200	6.2	51-L30-21-0200	9.6
225	105	135	51-L30-33-0225	6.9	51-L30-21-0225	10.8
250	120	153	51-L30-33-0250	7.7	51-L30-210250	11.9
280	130	167	51-L30-33-0280	8.6	51-L30-21-0280	13.4
315	145	187	51-L30-33-0315	9.7	51-L30-21-0315	15.0
355	160	207	51-L30-33-0355	10.9	-	-
400	180	234	51-L30-33-0400	12.3	-	-
450	200	260	51-L30-33-0450	13.7	-	-
500	220	287	51-L30-33-0500	15.2	-	-
560	240	315	51-L30-33-0560	17.0	-	-
630	250	335	51-L30-33-0630	19.1	-	-

PVDF 15° ELBOW

(Fabricated)
molded from PVDF
for butt welding

手工對接15°彎頭
DFP L15

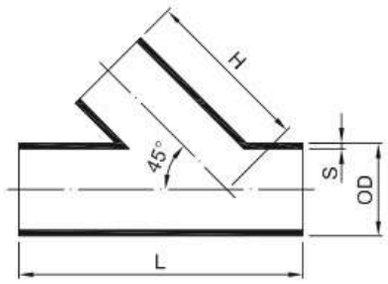


OD (mm)	H (mm)	L (mm)	SDR33 ISO S16 PN10		SDR21 ISO S10 PN16	
			Code	S (mm)	Code	S (mm)
63	50	54	51-L15-33-0063	2.0	51-L15-21-0063	3.0
90	50	55	51-L15-33-0090	2.8	51-L15-21-0090	4.3
110	60	67	51-L15-33-0110	3.4	51-L15-21-0110	5.3
125	70	78	51-L15-33-0125	3.9	51-L15-21-0125	6.0
140	70	79	51-L15-33-0140	4.3	51-L15-21-0140	6.7
160	80	90	51-L15-33-0160	4.9	51-L15-21-0160	7.7
180	80	92	51-L15-33-0180	5.5	51-L15-21-0180	8.6
200	95	108	51-L15-33-0200	6.2	51-L15-21-0200	9.6
225	105	120	51-L15-33-0225	6.9	51-L15-21-0225	10.8
250	120	137	51-L15-33-0250	7.7	51-L15-21-0250	11.9
280	130	149	51-L15-33-0280	8.6	51-L15-21-0280	13.4
315	145	166	51-L15-33-0315	9.7	51-L15-21-0315	15.0
355	160	183	51-L15-33-0355	10.9	-	-
400	180	207	51-L15-33-0400	12.3	-	-
450	200	229	51-L15-33-0450	13.7	-	-
500	220	253	51-L15-33-0500	15.2	-	-
560	240	277	51-L15-33-0560	17.0	-	-
630	250	291	51-L15-33-0630	19.1	-	-

PVDF 45° Y-TEE

(Fabricated)
for butt welding
molded from PVDF

手工對接45° Y型三通
DFP TY3

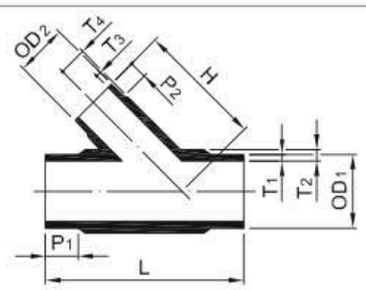


OD (mm)	H (mm)	L (mm)	SDR33 ISO S16 PN10		SDR21 ISO S10 PN16	
			Code	S (mm)	Code	S (mm)
63	126	225	51-TY3-33-0063	2.0	51-TY3-21-0063	3.0
90	159	261	51-TY3-33-0090	2.8	51-TY3-21-0090	4.3
110	193	318	51-TY3-33-0110	3.4	51-TY3-21-0110	5.3
125	221	366	51-TY3-33-0125	3.9	51-TY3-21-0125	6.0
140	239	387	51-TY3-33-0140	4.3	51-TY3-21-0140	6.7
160	273	443	51-TY3-33-0160	4.9	51-TY3-21-0160	7.7
180	297	471	51-TY3-33-0180	5.5	51-TY3-21-0180	8.6
200	336	541	51-TY3-33-0200	6.2	51-TY3-21-0200	9.6
225	377	603	51-TY3-33-0225	6.9	51-TY3-21-0225	10.8
250	422	679	51-TY3-33-0250	7.7	51-TY3-21-0250	11.9
280	468	748	51-TY3-33-0280	8.6	51-TY3-21-0280	13.4
315	525	838	51-TY3-33-0315	9.7	51-TY3-21-0315	15.0
355	589	935	51-TY3-33-0355	10.9	-	-
400	663	1053	51-TY3-33-0400	12.3	-	-
450	743	1178	51-TY3-33-0450	13.7	-	-
500	824	1303	51-TY3-33-0500	15.2	-	-
560	916	1441	51-TY3-33-0560	17.0	-	-
630	1011	1567	51-TY3-33-0630	19.1	-	-

PVDF 45° Y-TEE

for butt welding
molded from PVDF

對接異徑45°Y 型三通
DFP TY1



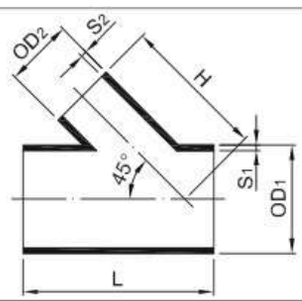
OD1 (mm)	OD2 (mm)	L (mm)	P1 (mm)	P2 (mm)	H (mm)	SDR33 ISO S16 PN10				
						T1 (mm)	T2 (mm)	T3 (mm)	T4 (mm)	Code
63	63	251	31	31	154	2.0	6.2	2.0	6.2	51-TY1-33-063063
90	63	242	53	31	153.53	5.1	11.1	3.6	7.8	51-TY1-33-090063
90	90	345	53	53	214	2.8	8.8	2.8	8.8	51-TY1-33-090090
110	63	273	65	31	172.5	6.3	13.1	3.6	7.8	51-TY1-33-110063
110	110	410	65	65	245	3.4	10.2	3.4	10.2	51-TY1-33-110110
160	110	374	84	65	265.05	9.1	15.8	6.3	13.0	51-TY1-33-160110
160	160	525	84	84	330	4.9	11.6	4.9	11.6	51-TY1-33-160160

OD1 (mm)	OD2 (mm)	L (mm)	P1 (mm)	P2 (mm)	H (mm)	SDR21 ISO S10 PN16				
						T1 (mm)	T2 (mm)	T3 (mm)	T4 (mm)	Code
63	63	251	31	31	154	3.0	7.0	3.0	7.0	51-TY1-21-063063
90	63	242	53	31	153.53	8.2	14.2	6.0	10.0	51-TY1-21-090063
90	90	345	53	53	214	4.3	10.0	4.3	10.0	51-TY1-21-090090
110	63	273	65	31	172.50	10.0	16.8	6.0	10.0	51-TY1-21-110063
110	90	316.25	65	53	207.35	10.0	16.8	8.5	14.2	51-TY1-21-110090
110	110	410	65	65	245	5.3	12.1	5.3	12.1	51-TY1-21-110110
160	90	356.5	84	53	248.04	14.6	21.3	8.3	14.2	51-TY1-21-160090
160	110	374	84	65	265.05	14.6	21.3	10.4	16.7	51-TY1-21-160110
160	160	525	84	84	330	7.7	14.4	7.7	14.4	51-TY1-21-160160

PVDF REDUCED 45° Y-TEE

(Fabricated)
for butt welding
molded from PVDF

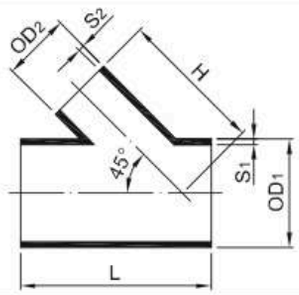
手工對接異徑45° Y 型三通
DFP TY6



OD1/OD2 (mm)	H (mm)	L (mm)	B (mm)	B1 (mm)	SDR33 S16 PN10		SDR21 S10 PN16	
					Code	S1/S2 (mm)	Code	S1/S2 (mm)
110-32	154	208	60	88	-	-	51-TY6-21-110032	5.3/2.4
110-40	158	219	60	99	-	-	51-TY6-21-110040	5.3/2.4
110-50	163	233	60	113	-	-	51-TY6-21-110050	5.3/3.0
110-75	175	269	60	148	51-TY6-33-110075	3.4/2.3	51-TY6-21-110075	5.3/3.6
125-40	178	246	70	106	-	-	51-TY6-21-125040	6.0/2.4
125-50	183	260	70	120	-	-	51-TY6-21-125050	6.0/3.0
125-63	200	279	70	139	51-TY6-33-125063	3.9/2.0	51-TY6-21-125063	6.0/3.0
125-75	196	296	70	156	51-TY6-33-125075	3.9/2.3	51-TY6-21-125075	6.0/3.6
125-90	199	317	70	177	51-TY6-33-125090	3.9/2.8	51-TY6-21-125090	6.0/4.3
125-110	213	345	70	205	51-TY6-33-125110	3.9/3.4	51-TY6-21-125110	6.0/5.3

PVDF REDUCED 45° Y-TEE

(Fabricated)
for butt welding
molded from PVDF
手工對接異徑45° Y型三通
DFP TY6

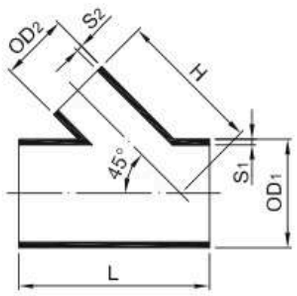


OD1/OD2 (mm)	H (mm)	L (mm)	SDR33 ISO S16 PN10 Code	S1/S2 (mm)	SDR21 ISO S10 PN16 Code	S1/S2 (mm)
140-50	194	260	-	-	51-TY6-21-140050	6.7/3.0
140-63	200	279	51-TY6-33-140063	4.3/2.0	51-TY6-21-140063	6.7/3.0
140-75	206	296	51-TY6-33-140075	4.3/2.3	51-TY6-21-140075	6.7/3.6
140-90	214	317	51-TY6-33-140090	4.3/2.8	51-TY6-21-140090	6.7/4.3
140-110	224	345	51-TY6-33-140110	4.3/3.4	51-TY6-21-140110	6.7/5.3
140-125	231	366	51-TY6-33-140125	4.3/3.9	51-TY6-21-140125	6.7/6.0
160-63	225	306	51-TY6-33-160063	4.9/2.0	51-TY6-21-160063	7.7/3.0
160-75	231	323	51-TY6-33-160075	4.9/2.3	51-TY6-21-160075	7.7/3.6
160-125	256	393	51-TY6-33-160125	4.9/3.9	51-TY6-21-160125	7.7/6.0
160-140	263	415	51-TY6-33-160140	4.9/4.3	51-TY6-21-160140	7.7/6.7
180-75	245	323	51-TY6-33-180075	5.5/2.3	51-TY6-21-180075	8.6/3.6
180-90	252	344	51-TY6-33-180090	5.5/2.8	51-TY6-21-180090	8.6/4.3
180-110	280	372	51-TY6-33-180110	5.5/3.4	51-TY6-21-180110	8.6/5.3
180-125	270	393	51-TY6-33-180125	5.5/3.9	51-TY6-21-180125	8.6/6.0
180-140	277	415	51-TY6-33-180140	5.5/4.3	51-TY6-21-180140	8.6/6.7
180-160	287	443	51-TY6-33-180160	5.5/4.9	51-TY6-21-180160	8.6/7.7
200-90	281	384	51-TY6-33-200090	6.2/2.8	51-TY6-21-200090	9.6/4.3
200-110	291	413	51-TY6-33-200110	6.2/3.4	51-TY6-21-200110	9.6/5.3
200-125	323	434	51-TY6-33-200125	6.2/3.9	51-TY6-21-200125	9.6/6.0
200-140	306	455	51-TY6-33-200140	6.2/4.3	51-TY6-21-200140	9.6/6.7
200-160	316	483	51-TY6-33-200160	6.2/4.9	51-TY6-21-200160	9.6/7.7
200-180	326	512	51-TY6-33-200180	6.2/5.5	51-TY6-21-200180	9.6/8.6
225-110	319	440	51-TY6-33-225110	6.9/3.4	51-TY6-21-225110	10.8/5.3
225-125	327	461	51-TY6-33-225125	6.9/3.9	51-TY6-21-225125	10.8/6.0
225-140	334	483	51-TY6-33-225140	6.9/4.3	51-TY6-21-225140	10.8/6.7
225-160	344	511	51-TY6-33-225160	6.9/4.9	51-TY6-21-225160	10.8/7.7
225-180	354	539	51-TY6-33-225180	6.9/5.5	51-TY6-21-225180	10.8/8.6
225-200	364	567	51-TY6-33-225200	6.9/6.2	51-TY6-21-225200	10.8/9.6
250-125	359	502	51-TY6-33-250125	7.7/3.9	51-TY6-21-250125	11.9/6.0
250-140	367	523	51-TY6-33-250140	7.7/4.3	51-TY6-21-250140	11.9/6.7
250-160	377	551	51-TY6-33-250160	7.7/4.9	51-TY6-21-250160	11.9/7.7
250-180	387	579	51-TY6-33-250180	7.7/5.5	51-TY6-21-250180	11.9/8.6
250-200	397	608	51-TY6-33-250200	7.7/6.2	51-TY6-21-250200	11.9/9.6
250-225	409	643	51-TY6-33-250225	7.7/6.9	51-TY6-21-250225	11.9/10.8
280-140	398	550	51-TY6-33-280140	8.6/4.3	51-TY6-21-280140	13.4/6.7
280-160	408	578	51-TY6-33-280160	8.6/4.9	51-TY6-21-280160	13.4/7.7
280-180	419	606	51-TY6-33-280180	8.6/5.5	51-TY6-21-280180	13.4/8.6
280-200	428	635	51-TY6-33-280200	8.6/6.2	51-TY6-21-280200	13.4/9.6
280-225	440	670	51-TY6-33-280225	8.6/6.9	51-TY6-21-280225	13.4/10.8
280-250	453	705	51-TY6-33-280250	8.6/7.7	51-TY6-21-280250	13.4/11.9

＊ 手工製品(Fabricated)

PVDF REDUCED 45° Y-TEE

(Fabricated)
for butt welding
molded from PVDF
手工對接異徑45° Y型三通
DFP TY6

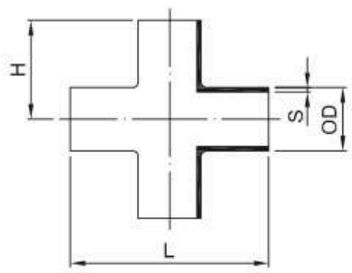


OD1/OD2 (mm)	H (mm)	L (mm)	SDR 33 ISO S16 PN10		SDR 21 ISO S10 PN16	
			Code	S1/S2 (mm)	Code	S1/S2 (mm)
315-160	448	619	51-TY6-33-315160	9.7/4.9	51-TY6-21-315160	15.0/7.7
315-180	458	647	51-TY6-33-315180	9.7/5.5	51-TY6-21-315180	15.0/8.6
315-200	466	678	51-TY6-33-315200	9.7/6.2	51-TY6-21-315200	15.0/9.6
315-225	480	711	51-TY6-33-315225	9.7/6.9	51-TY6-21-315225	15.0/10.8
315-250	493	746	51-TY6-33-315250	9.7/7.7	51-TY6-21-315250	15.0/11.9
315-280	508	789	51-TY6-33-315280	9.7/8.6	51-TY6-21-315280	15.0/13.4
355-180	501	688	51-TY6-33-355180	10.9/5.5	-	-
355-200	511	716	51-TY6-33-355200	10.9/6.2	-	-
355-225	521	751	51-TY6-33-355225	10.9/6.9	-	-
355-250	536	787	51-TY6-33-355250	10.9/7.7	-	-
355-280	551	829	51-TY6-33-355280	10.9/8.6	-	-
355-315	558	879	51-TY6-33-355315	10.9/9.7	-	-
400-200	563	770	51-TY6-33-400200	12.3/6.2	-	-
400-225	575	805	51-TY6-33-400225	12.3/6.9	-	-
400-250	581	841	51-TY6-33-400250	12.3/7.7	-	-
400-280	603	883	51-TY6-33-400280	12.3/8.6	-	-
400-315	620	933	51-TY6-33-400315	12.3/9.7	-	-
400-355	640	989	51-TY6-33-400355	12.3/10.9	-	-
450-225	631	860	51-TY6-33-450225	13.7/6.9	-	-
450-250	643	895	51-TY6-33-450250	13.7/7.7	-	-
450-280	658	937	51-TY6-33-450280	13.7/8.6	-	-
450-315	676	987	51-TY6-33-450315	13.7/9.7	-	-
450-355	696	1043	51-TY6-33-450355	13.7/10.9	-	-
450-400	718	1107	51-TY6-33-450400	13.7/12.3	-	-
500-250	699	949	51-TY6-33-500250	15.2/7.7	-	-
500-280	714	992	51-TY6-33-500280	15.2/8.6	-	-
500-315	735	1041	51-TY6-33-500315	15.2/9.7	-	-
500-355	751	1098	51-TY6-33-500355	15.2/10.9	-	-
500-400	774	1157	51-TY6-33-500400	15.2/12.3	-	-
500-450	799	1232	51-TY6-33-500450	15.2/13.7	-	-
560-280	776	1046	51-TY6-33-560280	17.0/8.6	-	-
560-315	793	1095	51-TY6-33-560315	17.0/9.7	-	-
560-355	821	1152	51-TY6-33-560355	17.0/10.9	-	-
560-400	836	1216	51-TY6-33-560400	17.0/12.3	-	-
560-450	863	1287	51-TY6-33-560450	17.0/13.7	-	-
560-500	886	1357	51-TY6-33-560500	17.0/15.2	-	-
630-315	853	1122	51-TY6-33-630315	19.1/9.7	-	-
630-355	873	1179	51-TY6-33-630355	19.1/10.9	-	-
630-400	895	1242	51-TY6-33-630400	19.1/12.3	-	-
630-450	920	1313	51-TY6-33-630450	19.1/13.7	-	-
630-500	945	1384	51-TY6-33-630500	19.1/15.2	-	-
630-560	975	1469	51-TY6-33-630560	19.1/17.0	-	-

PVDF CROSS

(Fabricated)
for butt welding
molded from PVDF

手工對接四通
DFP TZ1

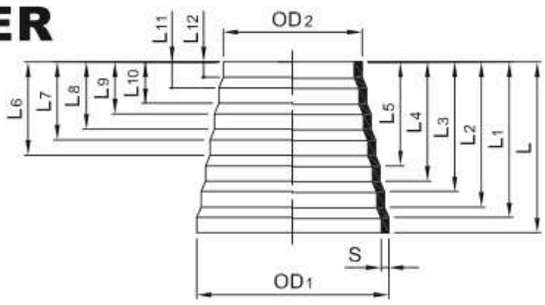


OD (mm)	H (mm)	L (mm)	SDR33 ISO S16 PN10		SDR21 ISO S10 PN16	
			Code	S (mm)	Code	S (mm)
63	81.5	163	51-TZ1-33-0063	2.0	51-TZ1-21-0063	3.0
90	95.0	190	51-TZ1-33-0090	2.8	51-TZ1-21-0090	4.3
110	115.0	230	51-TZ1-33-0110	3.4	51-TZ1-21-0110	5.3
125	132.5	265	51-TZ1-33-0125	3.9	51-TZ1-21-0125	6.0
140	140.0	280	51-TZ1-33-0140	4.3	51-TZ1-21-0140	6.7
160	160.0	320	51-TZ1-33-0160	4.9	51-TZ1-21-0160	7.7
180	170.0	340	51-TZ1-33-0180	5.5	51-TZ1-21-0180	8.6
200	195.0	390	51-TZ1-33-0200	6.2	51-TZ1-21-0200	9.6
225	217.5	435	51-TZ1-33-0225	6.9	51-TZ1-21-0225	10.8
250	245.0	490	51-TZ1-33-0250	7.7	51-TZ1-21-0250	11.9
280	270.0	540	51-TZ1-33-0280	8.6	51-TZ1-21-0280	13.4
315	302.5	605	51-TZ1-33-0315	9.7	51-TZ1-21-0315	15.0
355	337.5	675	51-TZ1-33-0355	10.9	-	-
400	380.0	760	51-TZ1-33-0400	12.3	-	-
450	425.0	850	51-TZ1-33-0450	13.7	-	-
500	470.0	940	51-TZ1-33-0500	15.2	-	-
560	520.0	1040	51-TZ1-33-0560	17.0	-	-
630	565.0	1130	51-TZ1-33-0630	19.1	-	-

PVDF REDUCER CONCENTRIC

Butt welding
molded from PVDF

對接塔型大小頭
DFP TW1





OD1/OD2 (mm)	L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	L5 (mm)	L6 (mm)	L7 (mm)	L8 (mm)	L9 (mm)	L10 (mm)	L11 (mm)	L12 (mm)
63/16	70.5	62.5	53.5	46.5	38.5	33.0	25.0	21	15	12	7	5
75/32	62.5	54.5	45.5	37.5	28.5	21.5	13.5	8	-	-	-	-
110/63	57.0	47.0	36.0	28.0	17.0	9.0	-	-	-	-	-	-
125/75	63.0	53.0	40.0	30.0	19.0	11.0	-	-	-	-	-	-
160/110	74.0	62.0	48.0	37.0	23.0	13.0	-	-	-	-	-	-
225/160	87.0	71.0	55.0	42.0	26.0	14.0	-	-	-	-	-	-
315/225	109.0	89.0	70.0	54.0	35.0	19.0	-	-	-	-	-	-
450/315	148.0	118.0	92.0	68.0	44.0	24.0	-	-	-	-	-	-
630/450	214.0	178.0	132.0	100.0	62.0	32.0	-	-	-	-	-	-

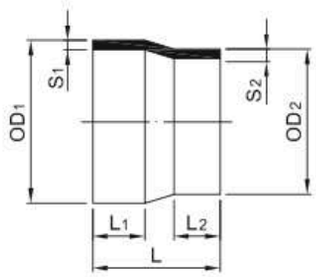
PN6	16	20	25	32	40	50	63	75	90	110	125	140	160	180	200	225	250	280	315	355	400	450	500	560	630
S1	-	-	-	-	-	-	2.0	2.3	2.8	3.4	3.9	4.3	4.9	5.5	6.2	6.9	7.7	8.6	9.7	10.9	12.3	13.7	15.2	17.0	19.1
PN10	16	20	25	32	40	50	63	75	90	110	125	140	160	180	200	225	250	280	315	355	400	450	500	560	630
S1	1.9	1.9	1.9	2.4	2.4	3.0	3.0	3.6	4.3	5.3	6.0	6.7	7.7	8.6	9.6	10.8	11.9	13.4	15.0	16.9	19.0	21.4	23.8	26.7	30.0

OD1/OD2 (mm)	L (mm)	SDR33 ISO S16 PN10	SDR21 ISO S10 PN16
		Code	Code
63/16	79.5±2	51-TW1-33-063016	51-TW1-21-063016
75/32	73.5±2	51-TW1-33-075032	51-TW1-21-075032
110/63	70.0±2	51-TW1-33-110063	51-TW1-21-110063
125/75	77.0±2	51-TW1-33-125075	51-TW1-21-125075
160/110	88.0±2	51-TW1-33-160110	51-TW1-21-160110
225/160	106.0±3	51-TW1-33-225160	51-TW1-21-225160
315/225	133.0±3	51-TW1-33-315225	51-TW1-21-315225
450/315	180.0±4	51-TW1-33-450315	51-TW1-21-450315
630/450	276.0±4	51-TW1-33-630450	51-TW1-21-630450

PVDF REDUCER

concentric,elongated
for butt welding
molded from PVDF

對接大小頭
DFP RC1





OD1/OD2 (mm)	L (mm)	L1 (mm)	L2 (mm)	SDR33 ISO S16 PN10		SDR21 ISO S10 PN16	
				Code	S1/S2 (mm)	Code	S1/S2 (mm)
25-20	50	20	20	-	-	51-RC1-21-025020	1.9/1.9
32-20	50	20	20	-	-	51-RC1-21-032020	2.4/1.9
32-25	50	20	20	-	-	51-RC1-21-032025	2.4/1.9
40-20	55	20	20	-	-	51-RC1-21-040020	2.4/1.9
40-25	55	20	20	-	-	51-RC1-21-040025	2.4/1.9
40-32	55	20	20	-	-	51-RC1-21-040032	2.4/2.4
50-20	60	24	20	-	-	51-RC1-21-050020	3.0/1.9
50-25	60	24	20	-	-	51-RC1-21-050025	3.0/1.9
50-32	60	24	20	-	-	51-RC1-21-050032	3.0/2.4
50-40	60	24	20	-	-	51-RC1-21-050040	3.0/2.4
63-25	65	25	20	-	-	51-RC1-21-063025	3.0/1.9
63-32	65	25	22	-	-	51-RC1-21-063032	3.0/2.4
63-40	65	25	22	-	-	51-RC1-21-063040	3.0/2.4
63-50	65	25	22	-	-	51-RC1-21-063050	3.0/3.0
75-40	68	25	24	-	-	51-RC1-21-075040	3.6/2.4
75-50	68	25	24	-	-	51-RC1-21-075050	3.6/3.0
75-63	68	25	24	51-RC1-33-075063	2.3/2.0	51-RC1-21-075063	3.6/3.0
90-50	75	30	26	-	-	51-RC1-21-090050	4.3/3.0
90-63	75	30	26	51-RC1-33-090063	2.8/2.0	51-RC1-21-090063	4.3/3.0
90-75	75	30	26	51-RC1-33-090075	2.8/2.3	51-RC1-21-090075	4.3/3.6
110-63	90	35	30	51-RC1-33-110063	3.4/2.0	51-RC1-21-110063	5.3/3.0
110-75	90	35	30	51-RC1-33-110075	3.4/2.3	51-RC1-21-110075	5.3/3.6
110-90	90	35	30	51-RC1-33-110090	3.4/2.8	51-RC1-21-110090	5.3/4.3
125-110	100	40	35	51-RC1-33-125110	3.9/3.4	51-RC1-21-125110	6.0/5.3
140-125	110	45	40	51-RC1-33-140125	4.3/3.9	51-RC1-21-140125	6.7/6.0
160-110	130	60	40	51-RC1-33-160110	4.9/3.4	51-RC1-21-160110	7.7/5.3
160-140	130	60	40	51-RC1-33-160140	4.9/4.3	51-RC1-21-160140	7.7/6.7
180-160	130	60	40	51-RC1-33-180160	5.5/4.9	51-RC1-21-180160	8.6/7.7
200-160	140	60	40	51-RC1-33-200160	6.2/4.9	51-RC1-21-200160	9.6/7.7
225-160	150	60	40	51-RC1-33-225160	6.9/4.9	51-RC1-21-225160	10.8/7.7
225-200	150	60	50	51-RC1-33-225200	6.9/6.2	51-RC1-21-225200	10.8/9.6
250-225	170	70	60	51-RC1-33-250225	7.7/6.9	51-RC1-21-250225	11.9/10.8
280-250	180	80	60	51-RC1-33-280250	8.6/7.7	51-RC1-21-280250	13.4/11.9
315-280	220	90	80	51-RC1-33-315280	9.7/8.6	51-RC1-21-315280	15.0/13.4

PVDF REDUCER

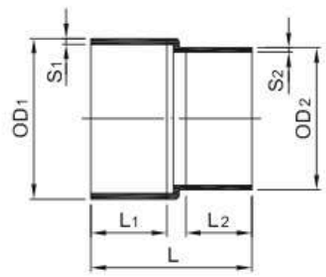
(Fabricated)

for butt welding

molded from PVDF

手工對接大小頭

DFP RC1

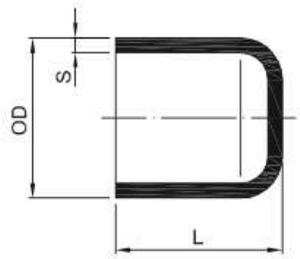


OD1/OD2 (mm)	L (mm)	L1 (mm)	L2 (mm)	SDR33 ISO S16 PN10	
				Code	S1/S2 (mm)
355-180	318	180	110	51-RC1-33-355180	10.9/5.5
355-200	328	180	120	51-RC1-33-355200	10.9/6.2
355-225	328	180	120	51-RC1-33-355225	10.9/6.9
355-250	338	180	130	51-RC1-33-355250	10.9/7.7
355-280	358	180	150	51-RC1-33-355280	10.9/8.6
355-315	368	180	160	51-RC1-33-355315	10.9/9.7
400-200	358	210	120	51-RC1-33-400200	12.3/6.2
400-225	358	210	120	51-RC1-33-400225	12.3/6.9
400-250	368	210	130	51-RC1-33-400250	12.3/7.7
400-280	388	210	150	51-RC1-33-400280	12.3/8.6
400-315	398	210	160	51-RC1-33-400315	12.3/9.7
400-355	418	210	180	51-RC1-33-400355	12.3/10.9
450-225	398	250	120	51-RC1-33-450225	13.7/6.9
450-250	408	250	130	51-RC1-33-450250	13.7/7.7
450-280	428	250	150	51-RC1-33-450280	13.7/8.6
450-315	438	250	160	51-RC1-33-450315	13.7/9.7
450-355	458	250	180	51-RC1-33-450355	13.7/10.9
450-400	488	250	210	51-RC1-33-450400	13.7/12.3
500-250	438	280	130	51-RC1-33-500250	15.2/7.7
500-280	458	280	150	51-RC1-33-500280	15.2/8.6
500-315	468	280	160	51-RC1-33-500315	15.2/9.7
500-355	488	280	180	51-RC1-33-500355	15.2/10.9
500-400	518	280	210	51-RC1-33-500400	15.2/12.3
500-450	558	280	250	51-RC1-33-500450	15.2/13.7
560-280	478	300	150	51-RC1-33-560280	17.0/8.6
560-315	488	300	160	51-RC1-33-560315	17.0/9.7
560-355	508	300	180	51-RC1-33-560355	17.0/10.9
560-400	538	300	210	51-RC1-33-560400	17.0/12.3
560-450	578	300	250	51-RC1-33-560450	17.0/13.7
560-500	608	300	280	51-RC1-33-560500	17.0/15.2
630-315	538	350	160	51-RC1-33-630315	19.1/9.7
630-355	558	350	180	51-RC1-33-630355	19.1/10.9
630-400	588	350	210	51-RC1-33-630400	19.1/12.3
630-450	628	350	250	51-RC1-33-630450	19.1/13.7
630-500	658	350	280	51-RC1-33-630500	19.1/15.2
630-560	678	350	300	51-RC1-33-630560	19.1/17.0

PVDF END CAP

elongated,
for butt welding
molded from PVDF

對接管帽
DFP CP1

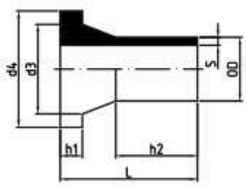


OD (mm)	L (mm)	L (mm)	SDR33 ISO S16 PN10		SDR21 ISO S10 PN16	
			Code	S (mm)	Code	S (mm)
20	30.0	42.0	-	-	51-CP1-21-0020	1.9
25	35.0	50.0	-	-	51-CP1-21-0025	1.9
32	40.0	55.0	-	-	51-CP1-21-0032	2.4
40	40.0	60.0	-	-	51-CP1-21-0040	2.4
50	40.0	60.0	-	-	51-CP1-21-0050	3.0
63	50.0	70.0	51-CP1-33-0063	2.0	51-CP1-21-0063	3.0
75	55.0	80.0	51-CP1-33-0073	2.3	51-CP1-21-0075	3.6
90	60.0	90.0	51-CP1-33-0090	2.8	51-CP1-21-0090	4.3
110	65.0	100.0	51-CP1-33-0110	3.4	51-CP1-21-0110	5.3
125	70.0	110.0	51-CP1-33-0125	3.9	51-CP1-21-0125	6.0
140	106.0	144.0	51-CP1-33-0140	4.3	51-CP1-21-0140	6.7
160	118.5	142.0	51-CP1-33-0160	4.9	51-CP1-21-0160	7.7
180	141.0	191.0	51-CP1-33-0180	5.5	51-CP1-21-0180	8.6
200	127.0	181.0	51-CP1-33-0200	6.2	51-CP1-21-0200	9.6
225	141.5	210.0	51-CP1-33-0225	6.9	51-CP1-21-0225	10.8
250	152.0	230.0	51-CP1-33-0250	7.7	51-CP1-21-0250	11.9
280	162.0	257.0	51-CP1-33-0280	8.6	51-CP1-21-0280	13.4
315	180.0	262.0	51-CP1-33-0315	9.7	51-CP1-21-0315	15.0
355	75.0	130.0	51-CP1-33-0355	10.9	-	-
400	75.0	130.0	51-CP1-33-0400	12.3	-	-
450	75.0	130.0	51-CP1-33-0450	13.7	-	-
500	75.0	130.0	51-CP1-33-0500	15.2	-	-
560	75.0	130.0	51-CP1-33-0560	17.0	-	-
630	100.0	160.0	51-CP1-33-0630	19.1	-	-

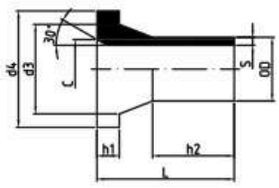
PVDF STUB FLANGE

for butt welding
molded from PVDF

對接中間法蘭
DFP FT1



OD20 ~ OD50



OD63 ~ OD630

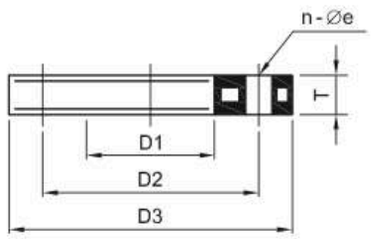


OD (mm)	d_3 (mm)	d_4 (mm)	L (mm)	h_2 (mm)	SDR33 ISO S16 PN10			SDR21 ISO S10 PN16		
					Code	S (mm)	h_1 (mm)	Code	S (mm)	h_1 (mm)
20	28	45	50	29	-	-	-	51-FT1-21-0020	1.9	7
25	34	58	50	29	-	-	-	51-FT1-21-0025	1.9	9
32	41	68	50	26	-	-	-	51-FT1-21-0032	2.4	10
40	51	78	50	23	-	-	-	51-FT1-21-0040	2.4	11
50	61	90.2	50	23	-	-	-	51-FT1-21-0050	3.0	12
63	73.6	102	50	19	51-FT1-33-0063	2.0	14	51-FT1-21-0063	3.0	14
75	87.5	122	50	19	51-FT1-33-0075	2.3	16	51-FT1-21-0075	3.6	16
90	104	138	80	41	51-FT1-33-0090	2.8	17	51-FT1-21-0090	4.3	17
110	128.5	158	80	38	51-FT1-33-0110	3.4	18	51-FT1-21-0110	5.3	18
125	135	158	175	102	51-FT1-33-0125	3.9	25.5	51-FT1-21-0125	6.0	25.5
140	155	191	197.1	129.7	51-FT1-33-0140	4.3	27.4	51-FT1-21-0140	6.7	27.4
160	175.8	211.8	160.5	110	51-FT1-33-0160	4.9	26.2	51-FT1-21-0160	7.7	26.2
180	186	217	180	127	51-FT1-33-0180	5.5	26.5	51-FT1-21-0180	8.6	26.5
200	229	268	213	144	51-FT1-33-0200	6.2	31.5	51-FT1-21-0200	9.6	31.5
225	237	268	213	144	51-FT1-33-0225	6.9	33	51-FT1-21-0225	10.8	33
250	284	320	273	205	51-FT1-33-0250	7.7	34	51-FT1-21-0250	11.9	34
280	292	320	375	303.5	51-FT1-33-0280	8.6	32	51-FT1-21-0280	13.4	32
315	334	371	379	303.5	51-FT1-33-0315	9.7	35	51-FT1-21-0315	15.0	35
355	373	430	175	-	51-FT1-33-0355	10.9	40	-	-	-
400	427	482	175	-	51-FT1-33-0400	12.3	40	-	-	-
450	514	585	180	-	51-FT1-33-0450	13.7	50	-	-	-
500	530	585	180	-	51-FT1-33-0500	15.2	50	-	-	-
560	615	685	180	-	51-FT1-33-0560	17.0	55	-	-	-
630	642	685	200	-	51-FT1-33-0630	19.1	55	-	-	-

BACKING RING

With steel insert
for steel beadings
acc.to DIN PN10
mold from PP grey PP black

法蘭鐵片
DFP FHD DIN





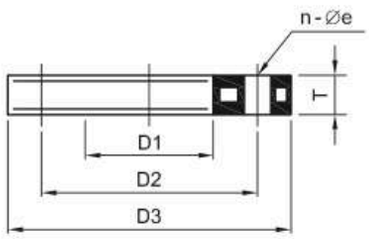
OD (mm)	D1 (mm)	D2 (mm)	D3 (mm)	e (mm)	n Number	T (mm)	SDR11 ISO S5 PN10 Code
20	28	65	95	14	4	12	31-FHD-11-0020
25	34	75	105	14	4	12	31-FHD-11-0025
32	42	85	115	14	4	16	31-FHD-11-0032
40	51	100	140	18	4	16	31-FHD-11-0040
50	62	110	150	18	4	18	31-FHD-11-0050
63	78	125	165	18	4	18	31-FHD-11-0063
75	92	145	185	18	4	18	31-FHD-11-0075
90	108	160	200	18	8	20	31-FHD-11-0090
110	128	180	220	18	8	20	31-FHD-11-0110
140	158	210	250	18	8	22	31-FHD-11-0140
160	178	240	285	23	8	22	31-FHD-11-0160
180	188	240	285	23	8	22	31-FHD-11-0180
200	235	295	340	23	8	24	31-FHD-11-0200
225	238	295	340	23	8	24	31-FHD-11-0225
250	288	350	390	23	12	26	31-FHD-11-0250
280	294	350	395	23	12	26	31-FHD-11-0280
315	338	400	445	23	12	26	31-FHD-11-0315
▲ 355	376	460	505	30	16	28	31-FHD-11-0355
▲ 400	430	515	565	30	16	28	31-FHD-11-0400
▲ 450	517	620	670	30	20	30	31-FHD-11-0450
▲ 500	533	620	670	30	20	30	31-FHD-11-0500
▲ 560	618	725	780	30	20	30	31-FHD-11-0560
▲ 630	645	725	780	30	20	30	31-FHD-11-0630

▲鋼鐵製品(Steel ones)

BACKING RING

With steel insert
acc.to ANSI standard
PP grey

法蘭鐵片150#
DFP FHA



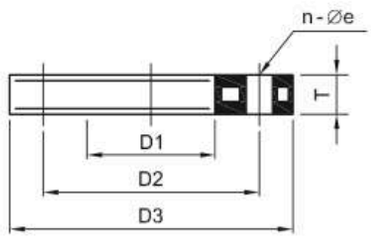


OD (inch)	D1 (mm)	D2		D3 (mm)	e (mm)	n Number	T (mm)	SDR11 ISO S5 PN10
		(mm)	(inch)					Code
1/2"	28	60.50	2-3/8"	89	16	4	12	31-FHA-11-0020
3/4"	34	69.85	2-3/4"	98	16	4	12	31-FHA-11-0025
1"	42	79.25	3-1/8"	108	16	4	16	31-FHA-11-0032
1-1/4"	51	88.90	3-1/2"	117	16	4	16	31-FHA-11-0040
1-1/2"	62	98.55	3-7/8"	127	16	4	18	31-FHA-11-0050
2"	78	120.65	4-3/4"	152	19	4	18	31-FHA-11-0063
2-1/2"	92	139.70	5-1/2"	178	19	4	18	31-FHA-11-0075
3"	111	152.40	6"	191	19	4	20	31-FHA-11-0090
4"	133	190.50	7-1/2"	229	19	8	20	31-FHA-11-0110
5"	133	190.50	7-1/2"	254	22	8	20	31-FHA-11-0125
6"	178	241.00	9-1/2"	279	22	8	24	31-FHA-11-0160
8"	236	298.45	11-3/4"	343	22	8	28	31-FHA-11-0200
10"	288	361.95	14-1/4"	406	25	12	30	31-FHA-11-0250
12"	338	431.80	17"	483	25	12	32	31-FHA-11-0315
▲ 14"	376	476.25	18-3/4"	533	29	12	28	31-FHA-11-0355
▲ 16"	430	539.75	21-1/4"	597	29	16	28	31-FHA-11-0400
▲ 18"	517	577.85	22-3/4"	635	32	16	30	31-FHA-11-0450
▲ 20"	533	635.00	25"	699	32	20	30	31-FHA-11-0500
▲ 24"	645	749.30	29-1/2"	813	35	20	30	31-FHA-11-0630

▲鋼鐵製品(Steel ones)

BACKING RING

With steel insert
acc.to JIS standard
PP grey
法蘭鐵片10K
DFP FHJ





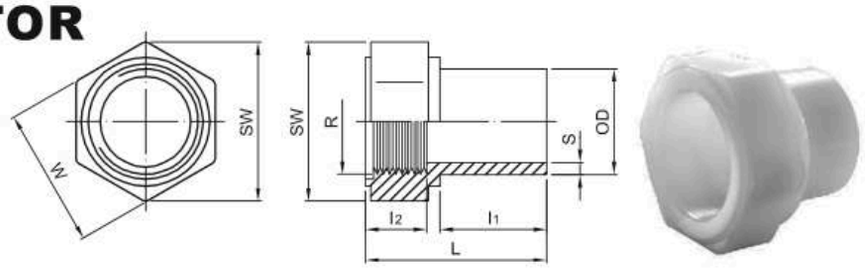
DN (inch)	D1 (mm)	D2 (mm)	D3 (mm)	e (mm)	n Number	T (mm)	SDR11 ISO S5 PN10 Code
1/2"	28	70	96	15	4	12	31-FHJ-11-0020
3/4"	34	75	100	15	4	14	31-FHJ-11-0025
1"	42	90	125	19	4	14	31-FHJ-11-0032
1-1/4"	51	100	135	19	4	14	31-FHJ-11-0040
1-1/2"	62	105	140	19	4	16	31-FHJ-11-0050
2"	78	120	155	19	4	16	31-FHJ-11-0063
2-1/2"	92	140	175	19	4	16	31-FHJ-11-0075
3"	110	150	185	19	8	18	31-FHJ-11-0090
4"	133	175	210	19	8	18	31-FHJ-11-0110
5"	160	210	250	23	8	20	31-FHJ-11-0140
6"	178	240	280	23	8	21	31-FHJ-11-0160
8"	238	290	330	23	12	21	31-FHJ-11-0225
10"	288	355	400	25	12	24	31-FHJ-11-0250
12"	338	400	445	25	16	26	31-FHJ-11-0315
▲ 14"	376	445	490	25	16	28	31-FHJ-11-0355
▲ 16"	430	510	560	27	16	28	31-FHJ-11-0400
▲ 18"	517	565	620	27	20	30	31-FHJ-11-0450
▲ 20"	533	620	675	27	20	30	31-FHJ-11-0500
▲ 24"	645	730	795	33	24	30	31-FHJ-11-0630

▲鋼鐵製品(Steel ones)

PVDF ADAPTOR

with female thread
for butt welding
molded from PVDF

對接內牙閥接頭
DFP FD1

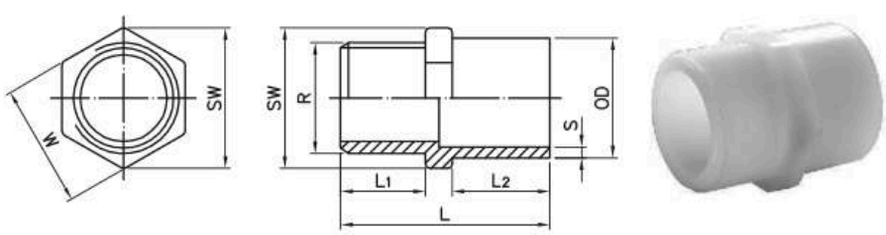


OD (mm)	S (mm)	L ±2.5 (mm)	L1 ±1.5 (mm)	L2 ±1.5 (mm)	R	WxSW ±1.5 (mm)	SDR21 ISO S10 PN16 Code
20	1.9	45.7	21.4	16.2	1/2" BSP	32.0x35.0	51-FD1-21-0020
25	1.9	50.8	25.5	17.0	3/4" BSP	40.0x44.6	51-FD1-21-0025
32	2.4	59.0	30.5	20.0	1" BSP	45.6x50.5	51-FD1-21-0032
40	2.4	62.5	30.0	24.0	1-1/4"BSP	54.0x59.5	51-FD1-21-0040
50	3.0	69.0	34.5	24.6	1-1/2"BSP	69.0x76.2	51-FD1-21-0050
63	3.0	75.0	36.5	28.2	2" BSP	83.6x93.0	51-FD1-21-0063

PVDF ADAPTOR

with male thread
for butt welding
molded from PVDF

對接外牙閥接頭
DFP MD1

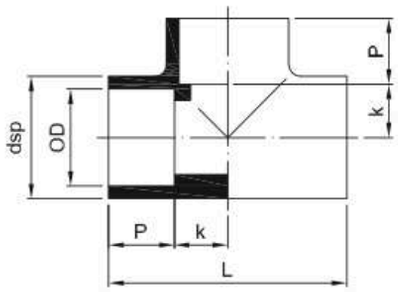


OD (mm)	S (mm)	L ±2.5 (mm)	L1 ±1.5 (mm)	L2 ±1.5 (mm)	R	WxSW ±1.5 (mm)	SDR21 ISO S10 PN16 Code
20	1.9	46.5	18.5	20.0	1/2" BSP	21.8x24.0	51-MD1-21-0020
25	1.9	51.8	20.5	23.0	3/4" BSP	26.7x29.6	51-MD1-21-0025
32	2.4	61.8	24.2	28.5	1" BSP	35.6x39.6	51-MD1-21-0032
40	2.4	67.7	27.2	30.0	1-1/4"BSP	45.7x50.7	51-MD1-21-0040
50	3.0	75.0	29.2	33.5	1-1/2"BSP	55.0x61.0	51-MD1-21-0050
63	3.0	80.0	32.0	35.7	2" BSP	64.3x71.3	51-MD1-21-0063

PVDF TEE

for socket welding
molded from PVDF

套接三通
DFP TT3



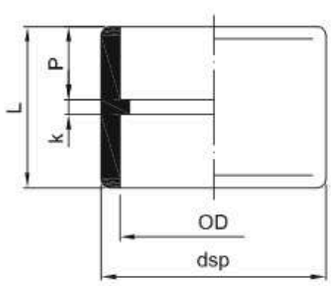


OD (mm)	dsp ±1 (mm)	k (mm)	P (mm)	L ±1 (mm)	SDR 7 PN20	
					Code	Weight (kg/Pc.)
16	24.0	12.30	14.6	53.8	51-TT3-07-0016	0.035
20	29.0	14.35	15.4	59.5	51-TT3-07-0020	0.052
25	34.8	16.55	17.2	67.5	51-TT3-07-0025	0.078
32	42.5	20.15	19.6	79.5	51-TT3-07-0032	0.122
40	51.6	25.60	21.2	93.6	51-TT3-07-0040	0.198
50	63.7	29.35	24.0	106.7	51-TT3-07-0050	0.316
63	80.0	33.70	27.8	123.0	51-TT3-07-0063	0.548
75	91.6	43.20	32.4	151.2	51-TT3-07-0075	0.814
90	111.7	54.25	37.0	182.5	51-TT3-07-0090	1.465
110	133.4	60.55	43.0	206.8	51-TT3-07-0110	1.930

PVDF SOCKET

for socket welding
molded from PVDF

平接頭
DFP CL2



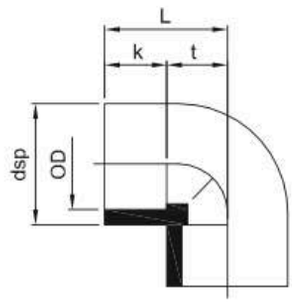


OD (mm)	dsp ±1 (mm)	k ±1.5 (mm)	P (mm)	L ±1.5 (mm)	SDR 7 PN20	
					Code	Weight (kg/Pc.)
16	24.0	4.2	14.5	33.2	51-CL2-07-0016	0.016
20	28.9	4.0	15.5	35.0	51-CL2-07-0020	0.023
25	35.0	5.0	17.0	39.0	51-CL2-07-0025	0.035
32	43.0	4.0	19.5	43.5	51-CL2-07-0032	0.053
40	51.7	5.0	21.0	47.0	51-CL2-07-0040	0.077
50	63.7	5.0	24.0	53.0	51-CL2-07-0050	0.123
63	80.0	4.7	28.0	60.7	51-CL2-07-0063	0. 221
75	91.0	5.5	32.5	69.5	51-CL2-07-0075	0.278
90	112.7	6.0	36.5	79.0	51-CL2-07-0090	0.532
110	132.5	6.8	42.5	91.8	51-CL2-07-0110	0.742

PVDF 90° ELBOW

for socket welding
molded from PVDF

套接90° 彎頭
DFP L92



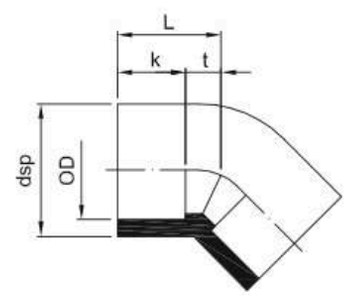


OD (mm)	dsp (mm)	t (mm)	k (mm)	L (mm)	SDR 7 PN20	
					Code	Weight (kg/Pc.)
16	24.1	10.0	14.5	24.5	51-L92-07-0016	0.023
20	28.8	14.8	15.5	30.1	51-L92-07-0020	0.038
25	35.0	15.3	17.2	32.5	51-L92-07-0025	0.055
32	42.5	20.75	19.5	40.25	51-L92-07-0032	0.093
40	52.0	25.0	21.2	46.2	51-L92-07-0040	0.146
50	63.7	29.0	24.1	53.1	51-L92-07-0050	0.231
63	80.3	35.0	28.0	63.0	51-L92-07-0063	0.430
75	91.7	39.0	32.4	71.4	51-L92-07-0075	0.552
90	112.0	47.0	37.0	84.3	51-L92-07-0090	1.107
110	132.0	58.0	42.5	100.5	51-L92-07-0110	1.579

PVDF 45° ELBOW

for socket welding
molded from PVDF

套接45° 彎頭
DFP L46



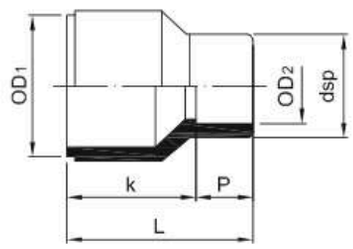


OD (mm)	dsp (mm)	t (mm)	k (mm)	L (mm)	SDR 7 PN20	
					Code	Weight (kg/Pc.)
16	24.1	4.25	14.5	18.75	51-L46-07-0016	0.018
20	29.3	5.20	15.3	20.5	51-L46-07-0020	0.028
25	35.2	6.60	17.2	23.8	51-L46-07-0025	0.043
32	43.0	7.10	19.5	26.6	51-L46-07-0032	0.066
40	52.2	10.0	21.2	31.2	51-L46-07-0040	0.104
50	64.2	10.9	24.1	35.0	51-L46-07-0050	0.168
63	81.0	17.8	28.0	45.8	51-L46-07-0063	0.335
75	91.6	16.1	32.4	48.5	51-L46-07-0075	0.407
90	112.0	21.8	37.0	58.8	51-L46-07-0090	0.520
110	132.0	30.0	42.5	72.5	51-L46-07-0110	0.772

PVDF REDUCER

for socket welding
molded from PVDF

套接大小頭
DFP RC2





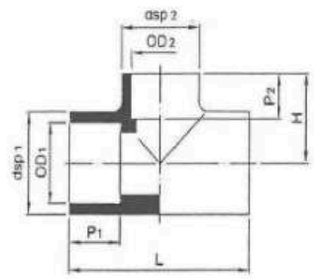
OD1 /OD2 (mm)	dsp (mm)	k (mm)	P (mm)	L (mm)	SDR 7 PN20 Code
20/16	23.7	20.5	14.5	35.0	51-RC2-07-020016
25/16	23.7	25.5	14.5	40.0	51-RC2-07-025016
25/20	29.0	24.3	15.4	39.7	51-RC2-07-025020
32/20	28.8	28.9	15.1	44.0	51-RC2-07-032020
32/25	34.7	26.7	17.3	44.0	51-RC2-07-032025
40/20	28.7	33.5	15.5	49.0	51-RC2-07-040020
40/25	34.7	31.6	17.4	49.0	51-RC2-07-040025
40/32	42.3	29.6	19.4	49.0	51-RC2-07-040032
50/20	28.6	39.7	15.1	54.8	51-RC2-07-050020
50/25	34.8	38.6	16.2	54.8	51-RC2-07-050025
50/32	42.6	35.1	19.4	54.5	51-RC2-07-050032
50/40	51.2	32.8	21.7	54.5	51-RC2-07-050040
63/25	34.9	46.8	17.2	64.0	51-RC2-07-063025
63/32	42.7	43.9	19.5	63.4	51-RC2-07-063032
63/40	51.8	42.0	21.7	63.7	51-RC2-07-063040
63/50	63.6	40.1	23.9	64.0	51-RC2-07-063050
75/63	80.7	36.1	27.9	64.0	51-RC2-07-075063
90/63	80.0	58.3	28.0	86.3	51-RC2-07-090063
90/75	91.4	54.0	32.2	86.2	51-RC2-07-090075
110/63	80.7	59.0	28.0	87.0	51-RC2-07-110063
110/90	111.8	50.3	36.2	86.5	51-RC2-07-110090

PVDF REDUCED TEE

for socket welding
molded from PVDF

套接異徑三通

DFP TR2



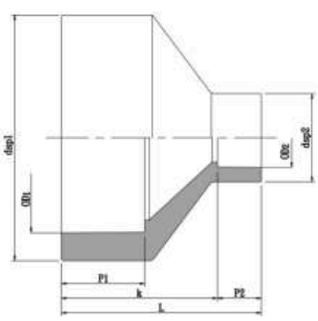
OD (mm)	H (mm)	L (mm)	dsp1 (mm)	dsp2 (mm)	P1 (mm)	P2 (mm)	SDR 7 PN20 Code
25/20	32.0	68.5	35	29	16	14.5	51-TR2-07-025020
32/20	40.0	80.5	42.8	29	18	14.5	51-TR2-07-032020
32/25	40.0	80.5	42.8	35	128	16	51-TR2-07-032025
40/20	45.0	90.5	52	29	20.5	14.5	51-TR2-07-040020
40/25	45.0	90.5	52	35	20.5	16	51-TR2-07-040025
40/32	45.0	91.5	52	42.8	20.5	18	51-TR2-07-040032
50/20	52.5	107.0	63.8	29	23.5	14.5	51-TR2-07-050020
50/25	52.5	107.0	63.8	35	23.5	16	51-TR2-07-050025
50/32	52.5	107.0	63.8	42.8	23.5	18	51-TR2-07-050032
50/40	52.5	107.0	63.8	52	23.5	20.5	51-TR2-07-050040
63/20	64.5	128.6	80.8	29	27.5	14.5	51-TR2-07-063020
63/25	64.5	128.6	80.8	35	27.5	16	51-TR2-07-063025
63/32	64.5	128.6	80.8	42.8	27.5	18	51-TR2-07-063032
63/40	64.5	128.6	80.8	52	27.5	20.5	51-TR2-07-063040
63/50	64.5	128.6	80.8	63.8	27.5	23.5	51-TR2-07-063050

PVDF REDUCED

Two ends w/socket welding
molded from PVDF

套接大小頭

DFP RC3 (二邊套接)



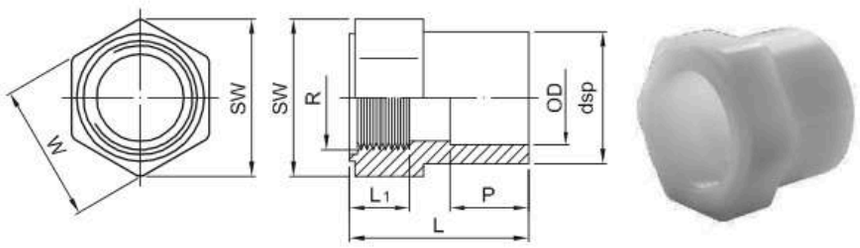
OD_1/OD_2 (mm)	dsp1 (mm)	dsp2 (mm)	k (mm)	P1 (mm)	P2 (mm)	L (mm)	SDR 7 PN20 Code
25/20	35.00	29.00	27.50	16.00	14.50	42.00	51-RC3-07-025020
32/20	42.80	29.00	31.50	18.00	14.50	46.00	51-RC3-07-032025
32/25	42.80	35.00	30.00	18.00	16.00	46.00	51-RC3-07-032025
40/20	52.00	29.00	36.50	20.50	14.50	51.00	51-RC3-07-040020
40/25	52.00	35.00	35.00	20.50	16.00	51.00	51-RC3-07-040025
40/32	52.00	42.80	33.00	20.50	18.00	51.00	51-RC3-07-040032
50/20	63.80	29.00	43.50	23.50	14.50	58.00	51-RC3-07-050020
50/25	63.80	35.00	42.00	23.50	16.00	58.00	51-RC3-07-050025
50/32	63.80	42.80	40.00	23.50	18.00	58.00	51-RC3-07-050032
50/40	63.80	52.00	37.50	23.50	20.50	58.00	51-RC3-07-050040
63/20	80.80	29.00	51.50	27.50	14.50	66.00	51-RC3-07-063020
63/25	80.80	35.00	50.00	27.50	16.00	66.00	51-RC3-07-063025
63/32	80.80	42.80	48.00	27.50	18.00	66.00	51-RC3-07-063032
63/40	80.80	52.00	45.50	27.50	20.50	66.00	51-RC3-07-063040
63/50	80.80	63.80	42.50	27.50	23.50	66.00	51-RC3-07-063050

PVDF ADAPTOR

with female thread
for socket welding
molded from PVDF

套接內牙閥接頭

DFP FD2



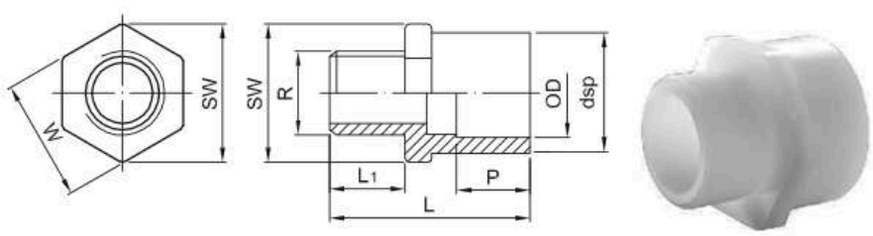
OD (mm)	dsp ±1 (mm)	L ±2 (mm)	P ±0.2 (mm)	L1 ±1 (mm)	R (mm)	WxSW ±1.5 (mm)	SDR 7 PN20 Code
20	28.5	45.4	29.0	16.0	1/2" BSP	31.8x35.1	51-FD2-07-0020
25	34.4	50.7	33.2	17.0	3/4" BSP	40.5x44.2	51-FD2-07-0025
32	42.8	57.5	37.2	20.0	1" BSP	45.7x50.3	51-FD2-07-0032
40	51.5	62.7	38.3	24.0	1-1/4"BSP	54.7x59.9	51-FD2-07-0040
50	63.5	68.9	43.7	24.5	1-1/2"BSP	69.0x76.2	51-FD2-07-0050
63	79.0	74.1	45.3	28.5	2" BSP	83.6x92.8	51-FD2-07-0063

PVDF ADAPTOR

with male thread
for socket welding
molded from PVDF

套接外牙閥接頭

DFP MD2

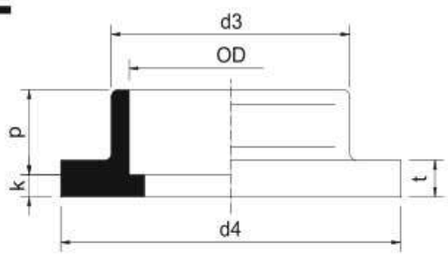


OD (mm)	dsp ±1 (mm)	L ±2 (mm)	L1 ±0.2 (mm)	P ±1 (mm)	R (mm)	WxSW ±1.5 (mm)	SDR 7 PN20 Code
20	28.4	46.5	18.5	19.8	1/2" BSP	30.3x33.3	51-MD2-07-0020
25	34.3	51.5	20.8	22.6	3/4" BSP	36.8x40.8	51-MD2-07-0025
32	42.5	61.5	24.0	28.3	1" BSP	44.3x49.1	51-MD2-07-0032
40	51.5	67.4	27.7	29.4	1-1/4"BSP	53.5x59.0	51-MD2-07-0040
50	63.5	74.5	29.0	33.0	1-1/2"BSP	65.0x72.0	51-MD2-07-0050
63	79.3	79.4	32.0	35.0	2" BSP	81.1x90.2	51-MD2-07-0063

PVDF FLANGE ADAPTORS

for socket welding
molded from PVDF

套接中間法蘭
DFP FT2



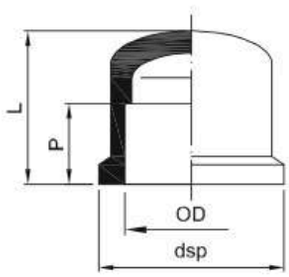


OD (mm)	d3 (mm)	d4 (mm)	t (mm)	k (mm)	P (mm)	L (mm)	SDR 7 PN20	
							Code	Weight (kg/Pc.)
20	27.5	44.6	8.5	3.7	15.6	19.3	21-FT2-07-0020	0.04
25	33.0	57.4	9.2	3.4	18.3	21.7	21-FT2-07-0025	0.06
32	41.4	67.3	10.6	4.0	20.0	24.0	21-FT2-07-0032	0.08
40	50.5	77.2	10.3	5.0	22.5	27.5	21-FT2-07-0040	0.10
50	61.0	87.2	13.5	5.4	24.2	29.6	21-FT2-07-0050	0.14
63	75.8	100.7	13.7	5.0	28.0	33.0	21-FT2-07-0063	0.18
75	90.2	120.3	16.3	5.3	32.3	37.6	21-FT2-07-0075	0.30
90	107.8	136.0	17.5	5.2	35.3	40.5	21-FT2-07-0090	0.39
110	129.8	154.7	18.5	7.1	41.4	48.5	21-FT2-07-0110	0.56

PVDF END CAP

for socket welding
molded from PVDF

套接管帽
DFP CP2



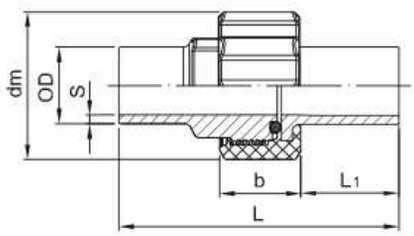


OD (mm)	dsp ±1.5 (mm)	L ±1.5 (mm)	P (mm)	SDR 7 PN20	
				Code	Weight (kg/Pc.)
16	24.1	23.9	14.5	51-CP2-07-0016	0.012
20	29.2	26.9	15.5	51-CP2-07-0020	0.018
25	35.1	30.3	17.0	51-CP2-07-0025	0.029
32	43.4	35.0	19.5	51-CP2-07-0032	0.046
40	52.1	39.0	21.6	51-CP2-07-0040	0.069
50	64.0	49.0	24.0	51-CP2-07-0050	0.119
63	81.0	58.5	28.2	51-CP2-07-0063	0.236
75	92.0	65.5	33.0	51-CP2-07-0075	0.287
90	112.5	76.0	37.0	51-CP2-07-0090	0.535
110	132.5	92.0	42.7	51-CP2-07-0110	0.806

PVDF UNION

for butt welding
Tekwelding IR-welding
molded from PVDF

對接油任
DFP EU1



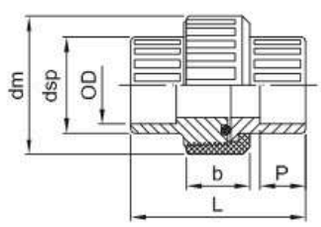


OD (mm)	S (mm)	L ±2.5 (mm)	L1 (mm)	dm ±1.5 (mm)	b ±1.5 (mm)	SDR 21 ISO S10 PN16 Code
20	1.9	109.0	37.5	47.0	24.5	51-EU1-21-0020
25	1.9	117.0	39.0	57.5	26.2	51-EU1-21-0025
32	2.4	120.2	39.5	64.0	30.5	51-EU1-21-0032
40	2.4	128.1	42.0	78.7	31.2	51-EU1-21-0040
50	3.0	131.7	46.0	88.5	35.0	51-EU1-21-0050
63	3.8	141.4	46.0	107.6	38.7	51-EU1-21-0063

PVDF UNION

for socket welding
molded from PVDF

套接油任
DFP EU2

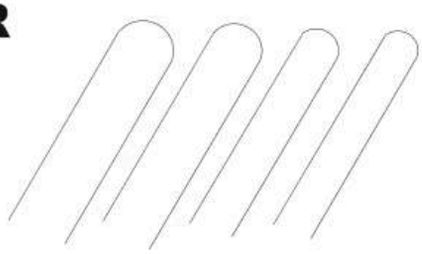




OD (mm)	dsp (mm)	L ±2.5 (mm)	P (mm)	dm ±1.5 (mm)	b ±1.5 (mm)	SDR 7 PN20 Code
20	28.5	56.0	15	15	22.0	51-EU2-07-0020
25	35.2	63.0	20	20	26.4	51-EU2-07-0025
32	43.0	68.5	20	20	28.0	51-EU2-07-0032
40	50.1	80.0	25	25	29.5	51-EU2-07-0040
50	59.0	89.0	24	24	33.0	51-EU2-07-0050
63	74.0	101.2	27	27	39.5	51-EU2-07-0063
75	91.5	114.0	31	31	48.5	51-EU2-07-0075
90	107.5	133.0	35	35	64.0	51-EU2-07-0090
110	133.0	152.0	45	45	78.5	51-EU2-07-0110

PVDF ROUND BAR

NATURAL
molded from PVDF

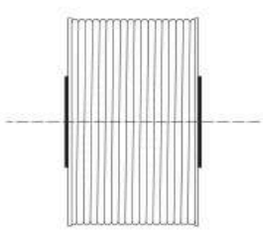


圓棒
DFP PR1

OD (mm)	Weight (mm)	Code
10	0.15	51-PR1-0010
12	0.20	51-PR1-0012
15	0.34	51-PR1-0015
20	0.59	51-PR1-0020
25	0.91	51-PR1-0025
30	1.30	51-PR1-0030
40	2.31	51-PR1-0040
50	3.61	51-PR1-0050
60	5.17	51-PR1-0060
75	8.21	51-PR1-0075
80	9.22	51-PR1-0080
90	11.67	51-PR1-0090
100	14.41	51-PR1-0100
125	22.35	51-PR1-0125
160	36.17	51-PR1-0160
180	45.78	51-PR1-0180
200	56.52	51-PR1-0200

WELDING ROD

NATURAL
molded from PVDF



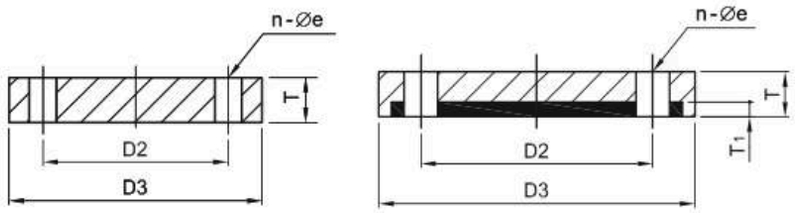
焊條
DFP PW1

Design	Diameter (mm)	Weight (kg/coil)	Code
Welding rod extruded, round	Ø3	ca.4.5kg	51-PW1-0003
	Ø4	ca.4.5kg	51-PW1-0004

PVDF
BLIND FLANGE

MACHINED DIN
molded from PVDF

盲法蘭 DIN
DFP FB1



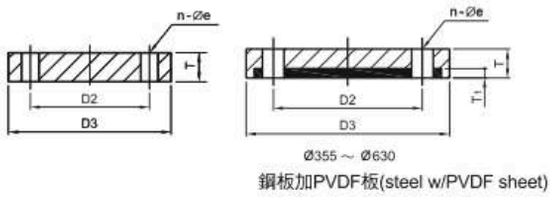
Ø355 ～ Ø630
鋼板加PVDF板(steel w/PVDF sheet)

OD (mm)	D2 (mm)	D3 (mm)	e (mm)	n Number	T (mm)	T_1 (mm)	Code
20	65	95	14	4	16	-	51-FB1-33-020D
25	75	105	14	4	14	-	51-FB1-33-025D
32	85	115	14	4	18	-	51-FB1-33-032D
40	100	140	18	4	18	-	51-FB1-33-040D
50	110	150	18	4	19	-	51-FB1-33-050D
63	125	165	18	4	19	-	51-FB1-33-063D
75	145	185	18	4	19	-	51-FB1-33-075D
90	160	200	18	8	23	-	51-FB1-33-090D
110	180	220	18	8	23	-	51-FB1-33-110D
125	180	220	18	8	23	-	51-FB1-33-125D
140	210	250	18	8	23	-	51-FB1-33-140D
160	240	285	23	8	23	-	51-FB1-33-160D
180	240	285	23	8	23	-	51-FB1-33-180D
200	295	340	23	8	23	-	51-FB1-33-200D
225	295	340	23	8	23	-	51-FB1-33-225D
250	350	390	23	12	25	-	51-FB1-33-250D
280	350	395	23	12	25	-	51-FB1-33-280D
315	400	445	23	12	25	-	51-FB1-33-315D
355	460	505	30	16	28	8	51-FB1-33-355D
400	515	565	30	16	28	8	51-FB1-33-400D
450	620	670	30	20	30	8	51-FB1-33-450D
500	620	670	30	20	30	8	51-FB1-33-500D
560	725	780	30	20	30	8	51-FB1-33-560D
630	725	780	30	20	30	8	51-FB1-33-630D

PVDF
BLIND FLANGE

MACHINED ANSI
molded from PVDF

盲法蘭 ANSI
DFP FT7



Ø355 ～ Ø630
鋼板加PVDF板(steel w/PVDF sheet)

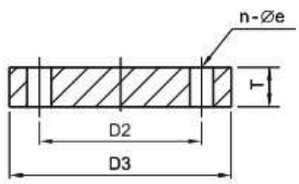


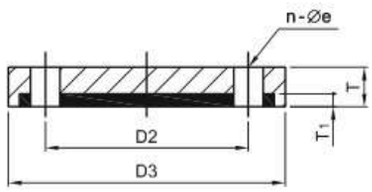
OD (mm)	DN (inch)	D2 (mm)	D3 (mm)	e (mm)	n Number	T (mm)	T_1 (mm)	Code
20	1/2"	60	89	16	4	16	-	51-FT7-33-020A
25	3/4"	70	98	16	4	14	-	51-FT7-33-025A
32	1"	79	108	16	4	18	-	51-FT7-33-032A
40	1-1/4"	89	117	16	4	18	-	51-FT7-33-040A
50	1-1/2"	98	127	16	4	19	-	51-FT7-33-050A
63	2"	121	152	19	4	19	-	51-FT7-33-063A
75	2-1/2"	140	178	19	4	19	-	51-FT7-33-075A
90	3"	152	191	19	4	23	-	51-FT7-33-090A
110	4"	191	229	19	8	23	-	51-FT7-33-110A
140	5"	216	254	22	8	23	-	51-FT7-33-140A
160	6"	241	279	22	8	23	-	51-FT7-33-160A
200	8"	298	343	22	8	23	-	51-FT7-33-200A
250	10"	362	406	25	12	25	-	51-FT7-33-250A
315	12"	432	483	25	12	25	-	51-FT7-33-315A
355	14"	476	533	29	12	28	8	51-FT7-33-355A
400	16"	540	597	29	16	28	8	51-FT7-33-400A
450	18"	578	635	32	16	30	8	51-FT7-33-450A
500	20"	635	699	32	20	30	8	51-FT7-33-500A
630	24"	749	813	35	20	30	8	51-FT7-33-630A

PVDF
BLIND FLANGE

MACHINED JIS 10K
molded from PVDF

盲法蘭 JIS 10K
DFP FT7





Ø355 ~ Ø630
鋼板加PVDF板(steel w/PVDF sheet)

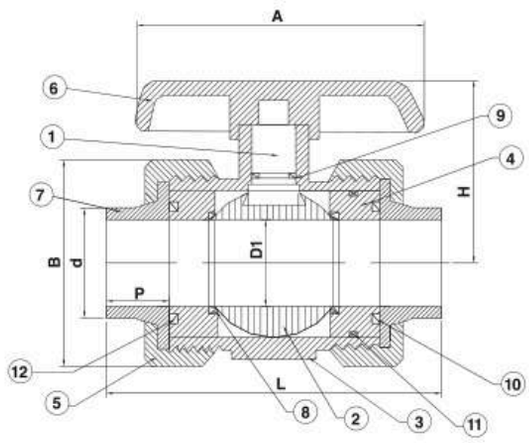
OD (mm)	DN (inch)	D2 (mm)	D3 (mm)	e (mm)	n Number	T (mm)	T1 (mm)	Code
20	1/2"	70	95	15	4	16	-	51-FT7-33-020J
25	3/4"	75	100	15	4	14	-	51-FT7-33-025J
32	1"	90	125	19	4	18	-	51-FT7-33-032J
40	1-1/4"	100	135	19	4	18	-	51-FT7-33-040J
50	1-1/2"	105	140	16	4	19	-	51-FT7-33-050J
63	2"	120	155	19	4	19	-	21-FT7-33-063J
75	2-1/2"	140	175	19	4	19	-	21-FT7-33-075J
90	3"	150	185	19	8	23	-	21-FT7-33-090J
110	4"	175	210	19	8	23	-	21-FT7-33-110J
140	5"	210	250	23	8	23	-	21-FT7-33-140J
160	6"	240	280	23	8	23	-	21-FT7-33-160J
200	8"	290	330	23	12	23	-	21-FT7-33-200J
250	10"	355	400	25	12	25	-	21-FT7-33-250J
315	12"	400	445	25	16	25	-	21-FT7-33-315J
355	14"	445	490	25	16	25	8	21-FT7-33-355J
400	16"	510	560	27	16	28	8	21-FT7-33-400J
450	18"	565	620	27	20	30	8	21-FT7-33-450J
500	20"	620	675	27	20	30	8	21-FT7-33-500J
630	24"	730	795	33	24	30	8	21-FT7-33-630J

TRUE UNION BALL VALVE (Butt Welding type)

雙由任球閥(面對面焊接型)

CW100 Size:1/2"-4"





DN15 ~ DN100

MATERIALS OF CONSTRUCTION

Item	Parts	Pcs	Material	Item	Parts	Pcs	Material
1	STEM	1	PPG,PVDF	7	CONNECTOR	2	PP,PVDF
2	BALL	1	PP,PVDF	8	SEAT	2	PTFE
3	BODY	1	PP,PVDF	9	STEM O-RING	DN15-50 1 DN65-100 2	EPDM,VITON
4	SEAT CARRIER	1	PP,PVDF	10	SEAT CARRIER O-RING	1	EPDM,VITON
5	UNION NUT	2	PP,PVDF	11	BODY O-RING	1	EPDM,VITON
6	HANDLE	1	ABS	12	SOLID END O-RING	1	EPDM,VITON

DIMENSIONS TABLE

DIN

Unit:mm

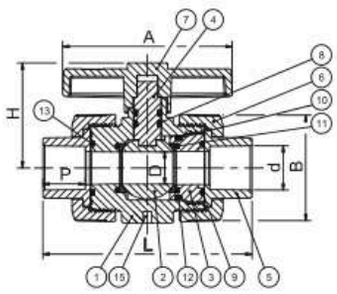
Nom Size DN-inch	D1	d	P	L	A	H	B	Test Pressure	Working Pressure
								bar	
15(1/2")	14	20	16.0	163	82	51	47	15	10
20(3/4")	19	25	18.5	174	101	59	60	15	10
25(1")	25	32	22.0	182	111	70	68	15	10
32(1-1/4")	38	40	26.0	197	126	83	80	15	10
40(1-1/2")	38	50	31.0	191	126	83	92	15	10
50(2")	49	63	37.5	208	152	102	111	15	10
65(2-1/2")	67	75	43.5	212.5	190	140	148	10	10
80(3")	78	90	51.0	309	230	165	181	10	10
100(4")	101	110	61.0	358	274	169	222	10	10

TRUE UNION SAFETY BLOCK BALL VALVE WITH MOUNTING PADS

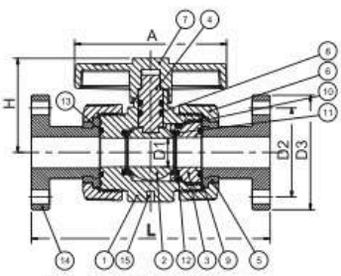
安全球閥加埋銅座

CH100 SOCKET/ CH200 THERAD/ CH300 FLANGED
Size:DN15-DN100

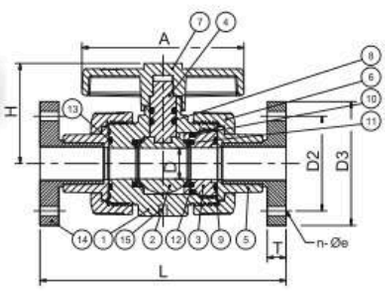




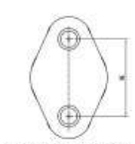
SOCKET & SCREW TYPE

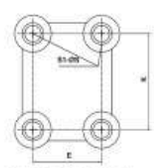


15A ~ 50A FLANGE TYPE



65A ~ 100A FLANGE TYPE


(ON SIZE DN15~DN50)


(ON SIZE DN65~DN100)

END VIEW
Bolts inserted pad pattern

MATERIALS OF CONSTRUCTION

No.	Parts	Pcs	Materials	No.	Parts	Pcs	Materials
1	BODY	1	UPVC , PP , CPVC , PVDF	9	SOLID END O-RING	1	EPDM , VITON
2	BALL	1	UPVC , PP , CPVC , PVDF	10	SEAT	2	TEFLON
3	STEM	1	UPVC , PP , CPVC , PVDF	11	SEAT CARRIER O-RING	1	EPDM , VITON
4	SEAT CARRIER	1	UPVC , PP , CPVC , PVDF	12	BODY O-RING	1	EPDM , VITON
5	END CONNECTOR	2	UPVC , PP , CPVC , PVDF	13	SEAT O-RING	2	EPDM , VITON
6	UNION NUT	2	UPVC , PP , CPVC , PVDF	14	FLANGES	2	UPVC , PP , CPVC , PVDF
7	HANDLE	1	ABS	15	MOUNTING PAD (UP&DOWN)	15A-50A 4 65A-100A 8	BRASS , SUS304
8	SEAT O-RING	15A-50A 2 65A-100A 2	EPDM , VITON				

DIMENSIONS TABLE

DIN — Unit : mm

Nominal Pipe Size	D1	D2	D3	d		e	n	P	L			H	A	B	T	K	E	S	S1	Test press (bar)	Working press (bar)
				Socket	Thread				Socket	Thread	Flange										
15(1/2")	15	65	95	20	PT 1/2"	14	4	16.0	115	115	153	51	82.7	53.2	15	31	–	4	4	24	16
20(3/4")	19	75	105	25	PT 3/4"	14	4	18.5	126	126	165	63	101.2	63	15	37	–	6	4	24	16
25(1")	25	85	115	32	PT 1"	14	4	22.0	144	144	189	72	111.8	72.2	17	40	–	6	4	24	16
32(1-1/4")	38	100	140	40	PT 1-1/4"	18	4	26.0	181	181	226	86	121.4	97	17	55	–	8	4	24	16
40(1-1/2")	38	110	150	50	PT 1-1/2"	18	4	31.0	181	181	226	86	121.4	97	19	55	–	8	4	24	16
50(2")	48	125	165	63	PT 2"	18	4	37.5	202	202	253	100	149.3	118.9	21	68	–	8	4	24	16
65(2-1/2")	65	145	185	75	PT 2-1/2"	18	4	43.5	227	227	281	140	190	150.1	21	80	41	8	8	15	10
80(3")	78	160	200	90	PT 3"	18	8	51.0	275	275	330	165.1	230.1	183.9	22	80	41	8	8	15	10
100(4")	102	180	220	110	PT 4"	18	8	61.0	321	321	378	172	274	226	22	121	50	8	8	15	10

※ 本尺表以 PVC 材質為準，本表試壓值以 PVC、PVDF材質為基準，PP材質試壓值為本表試壓值之 70%.

※ 法蘭長度公差依據 EN558-1:1995 標準

※ The dimension table is calculably based on PVC material.
The valve of test pressure is calculably based on PVC PVDF materials.
The valve of test pressure for PP material is 70% based on the table.
The flanged length tolerance is according to EN558-1:1995.

TRUE UNION DIAPHRAGM VALVE

油任式隔膜閥（插管式、牙口式）

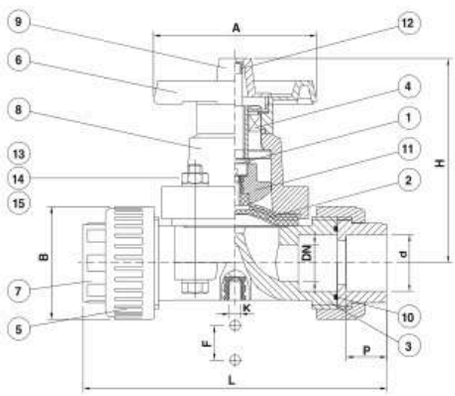
DF100 SOCKET / DF200 THREAD

DE100/DE200 PVDF 3 LAYS DIAPHRAGM VALVE

適用於高腐蝕流體的氣化滲透、電解液等耐酸碱專用

Suitable to the protect diaphragm from the gas permeation in the corrosion resistance and electrolytic chlorine gas.





DN15~DN50

TORQUE VALUE(扭力值)

SIZE	Kg.m	N.m
1/2"-3/4"	80	7.85
1"	80	7.85
1-1/2"	100	9.81
2"	100	9.81

1Kg.m=0.0981N.m

CV VALUE

CV值 【GMP/(1lbf/in²)^1/2】 OPENING:100%	
尺寸	CV值
1/2"	3.27
3/4"	5.29
1"	8.87
1-1/2"	31.09
2	43.15

MATERIALS OF CONSTRUCTION

Item	Parts	Pcs	Materials	Item	Parts	Pcs	Materials
1	Shaft	1	BRASS	9	Gauge Cover	1	PC
2	Dlaphragm	1	EPDM, TEFLON	10	O'ring	2	EPDM, VITON
3	Body	1	UPVC, PP, CPVC, PVDF	11	Compressor	1	15A-25A PVDF 32A-50A PPG
4	Sleeve	1	BRASS	12	Indicator	1	PE
5	Union Nut	2	UPVC, PP, CPVC, PVDF	13	Bolt	4	SUS304
6	Handle	1	ABS	14	Nut	4	SUS304
7	End Connector	2	UPVC, PP, CPVC, PVDF	15	Washer spring washer	8	SUS304
8	Bonnet	1	UPVC, PP, CPVC, PVDF				

DIMENSIONS TABLE

DIN Unit:mm

Nom. Size m/m(inch)	d		P	B	L		H	A	F	K	Test press bar	
	Socket	Thread			Socket Thread	Butt Welding					Ptfe Dia.	Rubber Dia.
OD20-1/2"	20	R1/2	16.0	54	166	206.5	104	81	25	8	10	10
OD25-3/4"	25	R1/4	18.5	54	166	208.5	104	81	25	8	10	10
OD32-1"	32	R1	22.0	63	183	216	116	91	25	8	10	10
OD40-1/4"	40	R1-1/4	26.0	89	238	253	142	117	45	8	10	10
OD50-1/2"	50	R1-1/2	31.0	89	238	253	142	117	45	8	10	10
OD63-2"	63	R2	37.5	101	273	281.5	176	150	45	8	10	10

※Standard dimensions based on PVC material

DIAPHRAGM VALVE / Flanged type

隔膜凡而(法蘭式)

DF 300
Size: DN15~DN250

DE300 PVDF 3 LAYS DIAPHRAGM VALVE
適用於高腐蝕流體的氯化滲透、電解液等耐酸碱專用
Suitable to the protect diaphragm from the gas permeation in the corrosion resistance and electrolytic chlorine gas.



MATERIALS OF CONSTRUCTION

No.	Parts	Pcs.	Materials	No.	Parts	Pcs.	Materials
1	Body	1	UPVC, PP, CPVC, PPG, PVDF	10	Name Plate	1	PVC
2	Bonnet	1	PPG,PVDF	11	Grease Nipple	1	SUS304
3	Compressor	1	15A-25A PVDF 40A-250A FC20	12	Stud Bolt & Nut	4 ····· 15A-25A 6 ····· 40A-50A	SUS304
4	Hand Wheel	1	PP,ABS	13	Inserted Nut	8 ····· 65A-125A 12 ····· 150A	BSBM
5	Sleeve	1	15A-50A BSBM 65A-250A FC25	14	Bolt Nut & Washer	16 ····· 200A 20 ····· 250A	SUS304
6	Stem	1	15A-50A BSBM 65A-250A SS41	15	thrust Bearing	1	Standardized 80A-250A USED ONLY
7	Diaphragm	1	EPDM,HYPALON TEFLON PVDF 3 lays	16	Stopper	1	SS-41 BSBM SUS304
7-1	Upper Board	1	SUS304	17	Set Nut	1	SS41 BSBM SUS304
7-2	Down Board	2	SUS304	18	Gauge Cover	1	PC
8	Cap	1	15A-25A BSBH 40A-250A PVC	19	Sheet Ring	1	EPDM
9	Compressor Pin	1	SUS-304	20	Washer	1	SUS304

Note : 1. SUS 304 .....Stainless Steel AISI 304 2. SS 41 .....Rolled steel for General Structure 3. BSBM .....Free Cutting Brass Bar
4. FC 20.....Grav Cast Iron 5. SUP.....Steel for Spring ASTM A-230-68

※第3、5、6、12、14項材質如用SUS-304或SUS-316為特殊規格，價格另計。
※PVDF隔膜閥上蓋(BONNET)標準材質用PPG，如須使用PVDF上蓋為特殊規格，價格另計。

The standard material to bonnet : PPG.
Optional PVDF bonnet material for PVDF diaphragm valve.
Optional materials on request for part no. 4.5.6.12.14.: SUS 304 or SUS 316.

®VITION & TEFLON are tradmarks of E.I. Du Pont

DIMENSIONS TABLE

Unit: mm

Nom. Size m/m(inch)	JIS D1	D2	D3	e	n No. of holes	D4	D5	Lift ℓ	L	T	H	I	PRESS Test for Assembly (at 20°C) Test Pressure Unit: kgf/cm² — Rubber Diaphragm UPVC	PP	PPG	CPVC	PVDF	Teflon Diaphragm UPVC	PP	PPG	CPVC	PVDF
15(1/2")	16	70	91.5	15	4	58x51	94	13	110	15	101	140	10	10	10	10	10	10	10	10	10	10
20(3/4")	20	75	97	15	4	70x60	94	13	120	17	106	152	10	10	10	10	10	10	10	10	10	10
25(1")	25	90	125	19	4	79x65	94	14	130	17	113	158	10	10	10	10	10	10	10	10	10	10
40(1-1/2")	41	105	135	19	4	123	147	24	180	19	133	193	10	10	10	10	10	10	10	10	10	10
50(2")	52	120	151	19	4	148	147	28	210	19	145	210	10	10	10	10	10	10	10	10	10	10
65(2-1/2")	68	140	185	19	4	183	202	32	250	24	197	276	10	10	10	10	10	10	7	7	10	10
80(3")	78	150	183.5	19	8	201	202	34	280	23	218	293	10	10	10	10	10	10	7	7	10	10
100(4")	100	175	210	19	8	250	241	54	340	24	261	370	10	10	10	10	10	10	7	7	10	10
125(5")	125	210	250	23	8	321	274	72	410	26	308	412	10	7	7	10	10	7	7	7	7	7
150(6")	148	240	282	23	8	382	395	72	480	33	334	471	10	7	7	10	10	7	7	7	7	7
200(8")	198	290	337	23	12	431	395	96	570	33	419	625	7	5	5	7	7	5	5	5	5	5
250(10")	248	355	397	25	12	529	555	132	680	38	510	750	7	5	5	7	7	5	5	5	5	5

PVDF/PVDF(FRP COATED)
PIPE FITTING VALVE

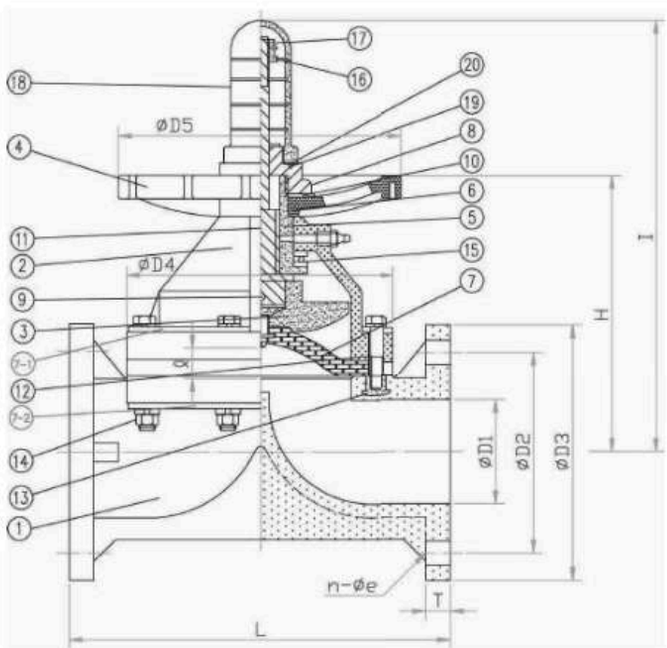
CV VALUE

CV值 【GMP/(1lbf/in²)^1/2】	
Full Open: 100%	
尺寸	CV值
1/2"	3.27
3/4"	5.29
1"	8.87
1-1/2"	31.09
2"	43.15
2-1/2"	90.68
3"	116.79
4"	186.78
6"	345.26

BOLTS TORQUE VALUE

SIZE	Kg.m	N.m
1/2"	90	8.83
3/4"	110	10.79
1"	110	10.79
1-1/2"	150	14.72
2"	220	21.58
2-1/2"	220	21.58
3"	280	27.47
4"	280	27.47
6"	280	27.47

1Kg.cm=0.0981N.m



DIMENSIONS TABLE

ANSI Unit: inch

Nom. Size m/m(inch)	D1	D2	D3	e	n No. of holes	D4	D5	Lift ℓ	L	T	H	I	PRESS Test for Assembly (at 20°C) Test Pressure Unit: psi									
													Rubber Diaphragm					Teflon Diaphragm				
													UPVC	PP	PPG	CPVC	PVDF	UPVC	PP	PPG	CPVC	PVDF
15(1/2")	0.63	2.38	3.50	0.63	4	2.28x2	3.70	0.51	4.25	0.59	3.98	5.51	150	150	150	150	150	150	150	150	150	150
20(3/4")	0.79	2.76	3.86	0.63	4	2.76x2.36	3.70	0.51	5.90	0.63	4.17	5.98	150	150	150	150	150	150	150	150	150	150
25(1")	0.98	3.13	4.25	0.63	4	3.11x2.56	3.70	0.55	5.90	0.63	4.45	6.22	150	150	150	150	150	150	150	150	150	150
40(1-1/2")	1.61	3.88	5.00	0.63	4	4.84	5.79	0.94	6.95	0.67	5.24	7.60	150	150	150	150	150	150	150	150	150	150
50(2")	2.05	4.74	5.98	0.75	4	5.83	5.79	1.10	7.95	0.67	5.71	8.27	150	150	150	150	150	150	150	150	150	150
65(2-1/2")	2.68	5.49	7.01	0.75	4	7.20	7.95	1.26	9.85	0.87	7.76	10.87	150	150	150	150	150	150	105	105	150	150
80(3")	3.07	6.00	7.52	0.75	4	7.91	7.95	1.34	10.40	0.75	8.50	11.54	150	150	150	150	150	150	105	105	150	150
100(4")	3.94	7.50	9.17	0.75	8	9.84	9.49	2.13	12.95	0.91	10.28	14.57	150	150	150	150	150	150	105	105	150	150
125(5")	4.92	8.50	10.00	0.87	8	12.64	10.79	2.83	16.14	0.94	12.13	16.22	150	105	105	150	150	105	105	105	105	150
150(6")	5.83	9.51	10.98	0.87	8	15.04	15.55	2.83	18.90	1.18	13.15	18.54	150	105	105	150	150	105	105	105	105	150
200(8")	7.80	11.75	13.50	0.87	8	16.97	15.55	3.78	22.44	1.26	16.40	24.61	105	75	75	105	105	75	75	75	75	105
250(10")	9.76	14.25	15.98	0.98	12	20.83	21.85	5.20	26.77	1.26	20.08	29.53	105	75	75	105	105	75	75	75	75	105

DIN Unit: mm

Nom. Size m/m(inch)	D1	D2	D3	e	n No. of holes	D4	D5	Lift ℓ	L	T	H	I	PRESS Test for Assembly (at 20°C) Test Pressure Unit: (bar)									
													Rubber Diaphragm					Teflon Diaphragm				
													UPVC	PP	PPG	CPVC	PVDF	UPVC	PP	PPG	CPVC	PVDF
15(1/2")	16	65	95	14	4	58x51	94	13	130	23	101	140	10	10	10	10	10	10	10	10	10	10
20(3/4")	20	75	105	14	4	70x60	94	13	150	23	106	152	10	10	10	10	10	10	10	10	10	10
25(1")	25	85	125	14	4	79x65	94	14	160	23	113	158	10	10	10	10	10	10	10	10	10	10
40(1-1/2")	41	110	150	18	4	123	147	24	200	23	133	193	10	10	10	10	10	10	10	10	10	10
50(2")	52	125	165	18	4	148	147	28	230	21	145	210	10	10	10	10	10	10	10	10	10	10
65(2-1/2")	68	145	185	18	4	183	202	32	290	22	197	276	10	10	10	10	10	10	7	7	10	10
80(3")	78	160	200	18	8	201	202	34	310	22	218	293	10	10	10	10	10	10	7	7	10	10
100(4")	100	180	210	18	8	250	241	54	350	25	261	370	10	10	10	10	10	10	7	7	7	10
125(5")	125	210	250	18	8	321	274	72	400	24	308	412	10	7	7	10	10	7	7	7	7	7
150(6")	148	240	285	23	8	382	395	72	480	30	334	471	10	7	7	10	10	7	7	7	7	7
200(8")	198	295	340	23	8	431	395	96	600	32	419	625	7	5	5	7	7	5	5	5	5	5
250(10")	248	350	395	23	12	529	555	132	680	32	510	750	7	5	5	7	7	5	5	5	5	5

※ 本尺表以 PVC 材質為準

※ 法蘭長度公差依據 EN558-1:1995 標準

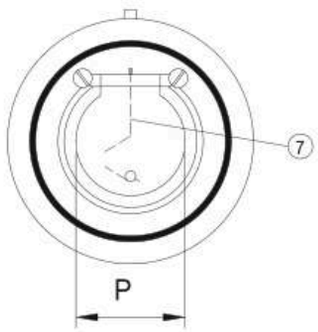
※ The dimension table is calculably based on PVC material.
The flanged length tolerance is according to EN558-1:1995.

WAFER CHECK VALVE

單片逆止閥

JT 300S

Size: DN40 ~ DN600

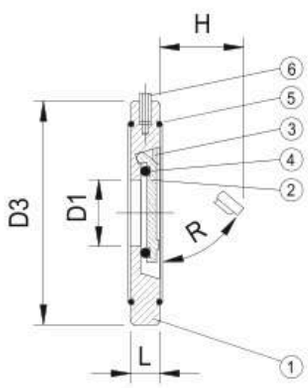




(W/0 Spring)
(無彈簧)
JT 300



(W/ Spring)
(有彈簧)
JT 300S



Applications (使用場合) :
- Water and waste water treatment 水及廢水處理
- Chemical Industrial 化工工業
- Enviromental Industrial 環境工程
- Process Industrial 加工生產工程
- Systems engineering 管路系統工程

Features (特點) :
- Require little space in piping system 產品造型簡潔
- Economica - Simple and durable construction 經濟簡單，結構耐用
- Easy Installation- Wafer Body to slip between standard flanges 安裝簡單，夾示裝在一般法蘭和法蘭間
- Light Weight 重量輕
- Chemical Resistant 耐化學
- No corrosion 抗腐蝕

MATERIALS OF CONSTRUCTION

No.	Parts	Pcs.	Materials	No.	Parts	Pcs.	Materials
1	Body	1	UPVC.PP.CPVC.PVDF	5	Packing	2	EPDM.VITON
2	Flapper	1	UPVC.PP.CPVC.PVDF	6	Installation device	1	SUS304, SUS316
3	Flapper mounting screw	2	PP,PVDF	7	Spring	1	SUS304, SUS316
4	O'ring	1	EPDM.VITON				

DIMENSIONS TABLE

Nom. Size DN(Inch)	JIS Unit:mm					ANSI Unit:inch					DIN Unit:mm					Test press (kgf/cm²) (bar)	Work press (kgf/cm²) (bar)	Mini Back Pressure Rates psi	
	D1	D3	P	L	H	D1	D3	P	L	H	D1	D3	P	L	H				
40(1-1/2")	23	82	35	16	25	0.89	3.23	1.38	0.63	0.99	23	82	35	16	25	15	10	0.2	0.3
50(2")	32	101	47	20	46	1.26	3.97	1.85	0.79	1.80	32	101	47	20	46	15	10	0.2	0.3
65(2-1/2")	40	119	57	20	51	1.57	4.68	2.24	0.79	2.00	40	119	57	20	51	15	10	0.2	0.3
80(3")	54	129	72	20	74	2.13	5.08	2.83	0.79	2.90	54	129	72	20	74	15	10	0.25	0.3
100(4")	70	154.5	90	22	91	2.76	6.05	3.54	0.87	3.60	70	154.5	90	22	91	15	10	0.25	0.3
125(5")	92	187	114	22	96	3.64	7.36	4.48	0.87	3.77	92	187	114	22	96	15	10	0.25	0.3
150(6")	112	210	134	26	147	4.40	8.27	5.27	1.02	5.80	112	210	134	26	147	15	10	0.25	0.3
200(8")	150	265	179	35	191	5.90	10.43	7.04	1.38	7.50	150	265	179	35	191	10	7	0.3	0.3
250(10")	190	325	226	40	229	7.48	12.79	8.89	1.57	9.00	190	325	226	40	229	9	6	0.3	0.3
300(12")	216	372	264	45	259	8.62	14.64	10.39	1.77	10.20	216	372	264	45	259	9	6	0.3	0.3
350(14")	266	430	311	49	245	10.47	16.93	12.24	1.93	9.64	266	430	311	49	245	9	6	0.5	0.5
400(16")	310	482	354	65	285	12.20	18.97	13.93	2.56	11.22	310	482	354	65	285	7	5	0.7	0.6
450(18")	350	536	396	68	330	13.78	21.10	15.59	2.67	13.00	350	536	396	68	330	5	3.5	1.0	0.8
500(20")	400	593	437	78	385	15 75	23.35	17.2	3.07	15.15	400	593	437	78	385	5	3.5	1.1	1.0

※ 本尺表以 PVC 材質為準，本表試壓值以 PVC、PVDF材質為基準，PP材質試壓值為本表試壓值之 70%.
※ 法蘭長度公差依據 EN558-1:1995 標準
※ 本產品有生產6" 以上 加強型，價格另詢。

※ The dimension table is calculably based on PVC material.
The valve of test pressure is calculably based on PVC PVDF materials.
The valve of test pressure for PP material is 70% based on the table.
The flanged length tolerance is according to EN558-1:1995.

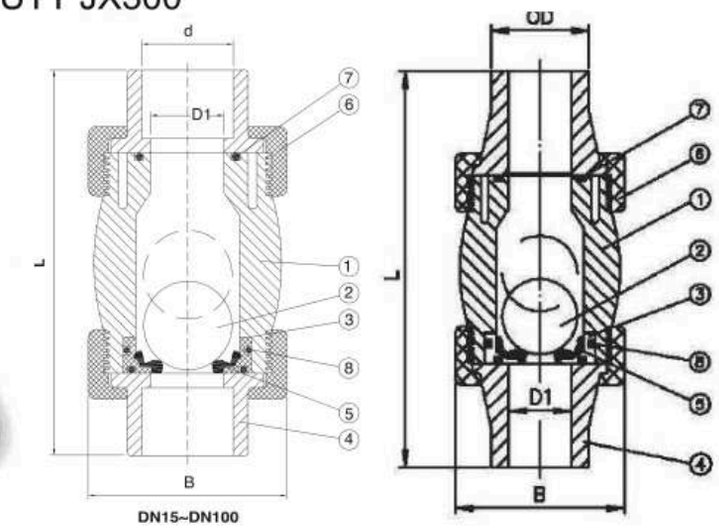
TRUE UNION BALL CHECK VALVE (VERTINAL TYPE)

由任式球形逆止凡而(直式)

SOCKET JX100/THREAD JX200/BUTT JX300

SIZE:1/2"-4"





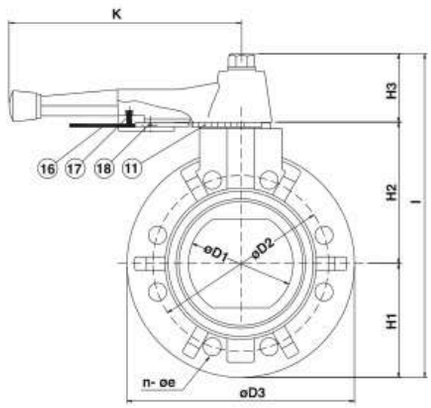
No.	Parts	Pcs	Materials	No.	Parts	Pcs	Materials
1	Body	1	UPVC, PP, CPVC, PVDF	5	Seat	1	EPAM, VITON
2	Ball	1	UPVC, CPVC, PVDF, PPG	6	Union Nut	2	UPVC, PP CPVC, PVDF
3	Seat Carrier	1	UPVC, PP, CPVC, PVDF	7	O'ring	1	EPDM, VITON
4	End Connector	2	UPVC, PP, CPVC, PVDF	8	Seat Carrier O-Ring	65A-100A	EPDM, VITON

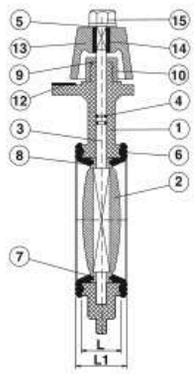
Nom,Size	DIN					Unit:mm
	DI	d		L		B
		Socket	Thread	Socket Thread	Butt welding	
OD20(1/2")	15	20	R1/2	101	156.5	53.5
OD25(3/4")	19.5	25	R3/4	115	164	63.3
OD32(1")	25	32	R1	156	172	73
OD40(1-1/4")	32	40	R1-1/4	171	191	97.5
OD50(1-1/2")	40	50	R1-1/2	171	187.5	97.5
OD63(2")	50	63	R2	195	208	120.5
OD75(2-1/2")	62.5	75	R2-1/2	226	212.5	150
OD90(3")	76	90	R3	274	308	184
OD110(4")	100	110	R4	367	377	199

BUTTERFLY VALVE Lever handle type

旋轉凡而(手把式)







DN50~DN200

BB300
Size: 2"- 8"

options:8"(DN200) GEAR OPERATOR TYPE

TORQUE VALUES (1kgf/m=9.8N.m)

BF-V'S Size	Torque Under Without Any Water Pressure (Kgf/m)	Under Water Testing Pressure(Kg/cm²)			BF-V'S Size	Torque Under Without Any Water Pressure (Kgf/m)	Under Water Testing Pressure(Kg/cm²)		
		Water Pressure(Kgf/cm²)	Open Torque(Kgf/m)	Close Torque(Kgf/m)			Water Pressure(Kgf/cm²)	Open Torque(Kgf/m)	Close Torque(Kgf/m)
2"	1.5	15	0.5	0.5	10"	17.0	8	7	10
2-1/2"	1.5	15	0.5	0.5	12"	27.0	6	14	18
3"	2.0	15	1	1.5	14"	37.0	6	25	28
4"	2.0	12	1	1.5	16"	42.0	-	-	-
5"	5.0	12	2.5	4.5	18"	52.0	-	-	-
6"	6.5	12	4	7	20"	65.0	-	-	-
8"	10.0	10	6	8.5	24"	76.0	-	-	-

MATERIALS OF CONSTRUCTION

No.	Parts	Pcs.	Materials	No.	Parts	Pcs.	Materials
1	Body	1	UPVC,PP,PPG,PVDF,CPVC	10	Reatainer Cap	1	UPVC,PP,PVDF
2	Disc	1	UPVC,PP,PPG,PVDF,CPVC	11	Positioner	1	SUS304
3	Stem	1	SUS410,SUS316,SUS304	12	Screw	3...DN50-200 4...DN200	SUS304
4	Stem O-ring	2	EPDM,VITON	13	Handle	1	ABS
5	Washer	1	SUS304	14	Inserted Metal Of Handle	1	FC0208
6	Seat	1	EPDM,VITON,NBR, HYPALON	15	Nut	1	PVC COATED BRASS,SUS304
7	Disc O'ring(1)	2	EPDM,VITON	16	Handle Lever	1	SUS304
8	Disc O'ring(2)	2	EPDM,VITON	17	Spring	1	SUS304
9	Stem Retainer	1	SUS304	18	Set Pin	1	BSBM

DIMENSIONS TABLE

DIN — Unit: mm

Nom. Size DN(inch)	D1	D2	D3	øe	n	L	L1	H1	H2	H3	I	K	Test Press (bar)		Working Press (bar)
													Body	Seat	
50(2")	57	125	165	18	4	34	36.5	82.5	102	63	253	220	15.0	12.0	10.0
65(2-1/2")	72	145	184	18	4	36.5	40.5	92	110	63	270	220	15.0	12.0	10.0
80(3")	80	160	200	18	8	34.5	40	100	118	63	286	220	15.0	12.0	10.0
100(4")	100	180	230	18	8	43.5	50.5	115	134	63	312	220	15.0	12.0	10.0
125(5")	130	210	256	18	8	53.5	60.5	128	160	96	391	310	15.0	12.0	10.0
150(6")	150	240	288	23	8	55	66	144	177	96	418	310	15.0	12.0	10.0
200(8")	203	295	348	23	8	72.6	81.5	174	204	93	476	414	15.0	12.0	10.0

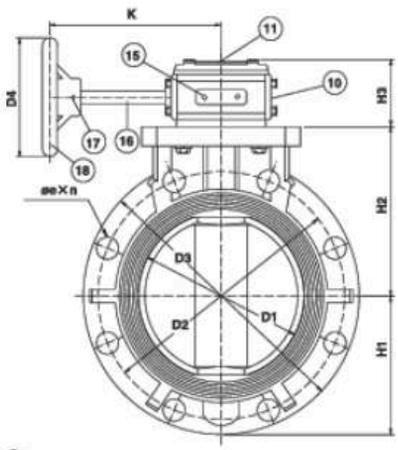
※ 法蘭長度公差依據 EN558-1:1995 標準
※ 蝶閥於安裝對鎖長度請參照目錄中 L 為標準長度施作

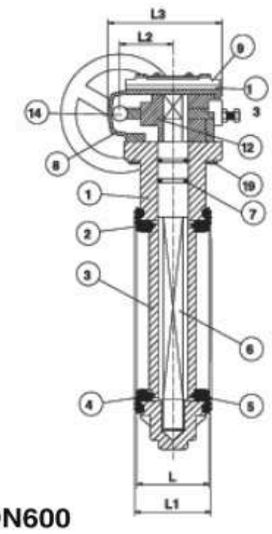
※ Standard dimensions based on PVC material.
※ The flanged length tolerance is according to EN558-1:1995.
※ Please refer to the face-to-face (L)length as the butterfly valve standard installation's lay length.

BUTTERFLY VALVE GEAR OPERATOR FULL FLANGED TYPE

旋轉凡而全法蘭齒輪式







BF300

Size: 8"- 24"

*OPTION: 8"(DN200)Lever type.

DN200~DN600

Torque Values (1kgf/m=9.81N.m)

BF-V'S Size	Torque Under Without Any Water Pressure (kgf/m)	Under Water Test Pressure (kgf/cm²)			BF-V'S Size	Torque Under Without Any Water Pressure (kgf/m)	Under Water Test Pressure (kgf/cm²)		
		Water Pressure(kgf/cm²)	Open Torque(kgf/m)	Close Torque(kgf/m)			Water Pressure(kgf/cm²)	Open Torque(kgf/m)	Close Torque(kgf/m)
2"	1.5	15	0.5	0.5	12"	27.0	6	14	18
2-1/2"	1.5	15	0.5	0.5	14"	37.0	6	25	28
3"	2.0	15	1	1.5	16"	42.0	-	-	-
4"	2.0	12	1	1.5	18"	52.0	-	-	-
5"	5.0	12	2.5	4.5	20"	65.0	-	-	-
6"	6.5	12	4	7	24"	76.0	-	-	-
8"	10.0	10	6	8.5					
10"	17 0	8	7	10					

MATERIALS OF CONSTRUCTION

No.	Parts	Pcs.	Materials	No.	Parts	Pcs.	Materials
1	Body	1	UPVC, PP,CPVC, PPG, PVDF	11	Inicator Plate	1	PVC
2	Seat	1	EPDM, VTTON, NBR, HYPALON	12	Gear	1	FCD45
3	Disc	1	UPVC, PP,CPVC, PPG, PVDF	13	Oil Seal	1	EPDM
4	Disc O'ring(A)	2	EPDM, VTTON	14	Bearing	1	SMCM220/420/810
5	Disc O'ring(B)	2	EPDM, VTTON	15	Adjuatable Bolt	2	SS41
6	Stem	1	SUS 410, SUS 304, SUS 316	16	Gearing	1	SS41
7	Stem O'ring	2	EPDM, VITON	17	Set Pin	1	K7
8	Gear Box	1	FC25	18	Hand Wheel	1	FCD45
9	Gear Box Cap	1	FC25	19	Tightening Bolt	4	SCM3,SUS 304
10	Side Cap	1	FC25				

DIMENSIONS TABLE

DIN — Unit: mm

Nom. Size DN(inch)	D1	D2	n	øe	D3	L	L1	H1	H2	H3	K	L2	L3	D4	Test Press (bar)		Working Press (bar)
															Body	Seat	
200(8")	203	295	8	23	348	72.6	81.5	174	211.2	108	175	51	136	180	15.0	12.0	10.0
250(10")	255	350	12	25	412	92	102	206	242.7	83	195	51	136	180	15.0	12.0	10.0
300(12")	312	400	12	25	493	112	120	247	289	110	210	72	189	305	12.0	10.0	8.0
350(14")	355	460	16	25	540	114	123	270	305	110	210	72	189	305	10.5	8.5	7.0
400(16")	398	515	16	27	615	152	163	307.5	363	130	330	72	189	356	9.0	7.0	6.0
450(18")	451	565	20	27	640	165	175	325	365	130	330	116	285	406	9.0	6.0	5.0
500(20")	500	620	20	27	730	175	183	373	405	130	330	116	285	457	9.0	6.0	5.0
600(24")	600	725	20	30	844	194	205	435	460	175	350	116	285	508	7.5	6.0	5.0

※ 法蘭長度公差依據 EN558-1:1995 標準
※ 蝶閥於安裝對鎖長度請參照目錄中 L 為標準長度施作

※ Standard dimensions based on PVC material.
※ The flanged length tolerance is according to EN558-1:1995.
※ Please refer to the face-to-face (L)length as the butterfly valve standard installation's lay length.

MATERIAL SPECIFIC PHYSICAL PROPERTIES FOR PVDF

PVDF 原料物性表

	Property	Standard	Unit	PVDF
Mechanical Properties	Specific density at 23°C	ISO 1183	g/cm3	1,78
	Melt flow index MFR 275/216 MRF 230/5 MFI range	ISO 1183	g/10 min	6
	Tensile stress at yield	ASTM D 638	MPa	50
	Elongation at yield	ASTM D 638	%	5-10
	Elongation at break	ASTM D 638	%	20-50
	Impact strength unnotched at +23°C Impact strength unnotched at -30°C	ISO179	kJ/m2	124
	Impact strength notched at +23°C Impact strength notched at 0°C Impact strength notched at -30°C	ISO179	kJ/m2	11
	Ball indentation hardness acc. Rockwell	ISO 2039-1	MPa	80
	Flexural strength	ISO 178	MPa	77
	Modulus of elasticity	ISO 527	MPa	2400
Thermal Properties	Vicat-Softening point VST/B/50	ISO 306	°C	170
	Heat deflection temperature HDT/B	ISO 75	°C	145
	Linear coefficient of thermal expansion	ASTM D 696	$K^{-1} X 10^{-4}$	1,2
	Thermal conductivity at 20°C	ASTM C 177	W/(mxk)	0,20
	Flammability	UL94	- -	V-0
Electrical Properties	specific volume resistance	ASTM D 257	OHM cm	$\geqq 1 .10^{14}$
	Specific surface resistance	VDE 0303	OHM	$> 10^{12}$
	FDA	- -	- -	Yes
	UV stabilized	- -	- -	Yes
	Colour	- -	- -	natural

Note: The mentioned values are recommended values for the particular material.

Non-cotact heating element butt welding :IR-Infrard welding
(不接觸電熱片的遠紅外線面對面焊接)

Non-cotact heating element butt welding IR-Infrared welding technique (acc. to DVS 2207 Part 6) 非接觸加熱元件面對面焊接(遠紅外線焊接技巧) (acc. to DVS 2207 Part 6)

This method is the next evolution of heating element butt fusion, where the components are not in contact with heat source. The heating of pipe ends is performed by radiant heat. The advantage of the non-contact butt welding is the minimal bead sizes and the elimination of possible contamination from the heating element. The shape of the bead is also straighter internally creating less of an area for bacteria growth. Compared to conventional heating element butt welding, the IR-total welding times are reduced by up to 70% with an increase of the welding factor resp. welding quality.
本焊接方式為加熱元件面對面焊接技術之演進，其欲接合之物件與加熱元件並無互相接觸。管子端點之加熱是由熱幅熱作業，非接觸面對面焊接的好處為氣泡尺寸最小化與消除加熱元件可能產生之污損。氣泡的形狀所產生的壅塞與壓力降低相當多，相較於接觸型面對面焊接，遠紅外線焊接所需之總焊接時間大幅減少70%，進而增進焊接之品質。

All welding parameters are recorded by the computer. All steps are controlled and sequential. Simplified handing together with a 100% comprehensive welding system and complete traceablility of the process are the unique and important features of the SP Series. The joining pressure is electronically requlated according to the prepro-grammed date. Any deviations will be immediatelly recorded and indicated on the Touch-Panel/printout-label.

◎Welding method (焊接方式)

The welding faces of the parts to be joined are heated-up in a pressureless condition (no alignment). After removing the heating element (change over) the parts are joined together ubder specific time and pressure (build-up) and let cool dowm under the required pressure.
欲接合元件的焊接面是在沒有壓力的狀況下被加熱，加熱元件移開後，將欲接合元件在特定的時間與壓力下接著在一起，而後在給定的壓力下使其自然冷卻。

◎Preparations before welding (焊接作業前的準備)

Ensure sufficient power supply and place the welding machine in a dry, safety and clean workshop (cleanroom) according manufacturer's recommendation.
依據焊接機製造商所建議的，將焊接機置於乾爽、安全、且乾淨的工作地點(或無塵室)，並確保其電源供應充足無虞。

The nominal wall thickness of the parts to be welded must correspond to the effective joining area and welding parameters.
欲接合元件的標稱管壁厚度必須符合有效的接合區域範圍與焊接的參數設定。

If necessary, clean the heating element with clean, fluffless paper before starting of each welding process. The non-stick coating of the heating element must be undamaged in the working area.
若有必要，再每次焊接作業執行前先以乾淨且無毛絮的紙張清理加熱元件，而加熱元件上無黏性的外包覆層工作區域則應保持無損傷。

The heating element is heated-up to the set temperature automatically. At the desired temperature, the countdown of the remaining time start. It is important, that the heating element is at temperature at the effective welding surface area.
加熱元件自動加熱到設定溫度，開始倒數焊接，加熱元件在有效焊接表面維持一樣溫度。

The welding surfaces can be cleaned with cleaning agent, e.g. alcohol, prior to planing. After planing, the virgin material is given ang any liquid cleaning is not permitted. Use special cleanroom paper or a soft brush to remove any shavings. It is also recommended to use a vacuum cleaner to clean the welding machine.
在計劃作業前可清潔焊接表面可以用清潔介質如酒精等，計劃作業後，對原始物件不可以使用任何液體清潔，使用無塵室專用紙或軟刷去除任何毛邊，也建議用真空清潔機清潔焊接設備。

The disalignment of the joining faces to one another should not exceed the permissible figure of 0.1 x wall thickness.
焊接表面水平誤差不可以超過0.1X壁厚

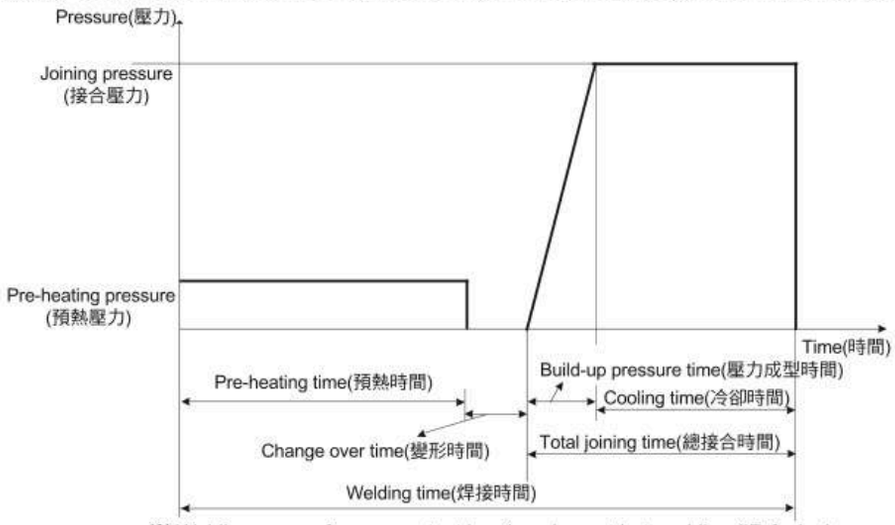
◎Recommended welding machines: (建議的焊接設備)

AGRU SP-Series IR-welding equipment
AGRU SP 系列 IR 焊接設備

This new developed welding equipment operates fully automatic and can be used for different materials such as PP-Pure, Polypure, PVDF UHP, ECTFE and PureBond PFA as manufactured by Entegris Inc.
這是新開發的全自動焊接設平可使用在不同材質：PP-pure polyure, PVDF UHP, ECTFE, PureBond PFA 由 Entegris Inc.所生產。

IR FUSION WELDING(遠紅外線焊接)

◎The gradually sequences of the welding process(welding curve): (焊接作業之漸進程序(焊接曲線))



※ Welding curve of a non-contact heating element butt welding (IR-fusion)

◎ Welding parameters (焊接參數)

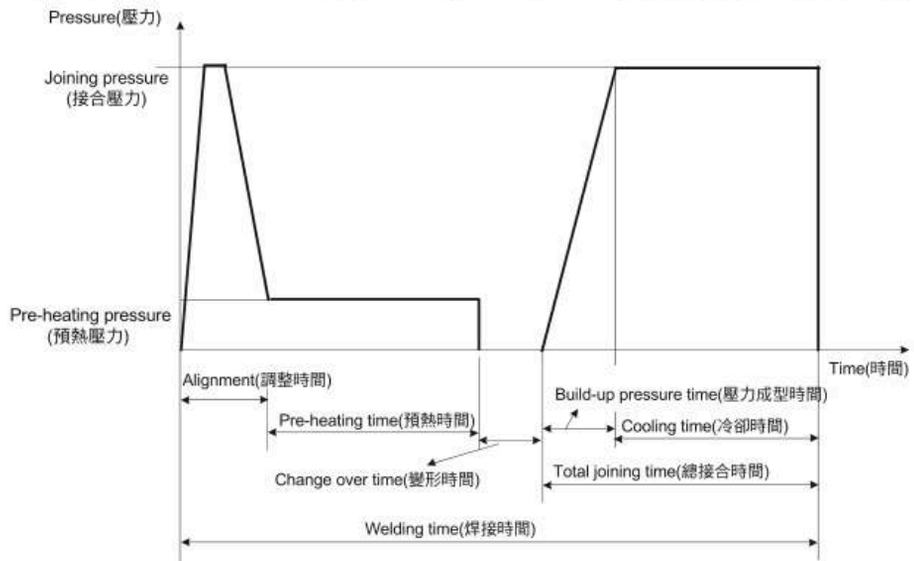
The welding parameters like pre-heating time, change over time, build-up pressure time, joining and cooling time are presetted and can not be altered by the operator. By setting the material, pressure range and size of pipe the machine recognizes automatically the welding parameter. Following table indicates the total welding times in seconds.
預熱時間、變形時間、壓力成型時間，接合與冷卻時間等焊接參數皆可預先調整，且設定不為操作元件改變，藉由設定管子材質、壓力範圍、與尺寸大小後，焊接機將自動辨識焊接元件，進而取用適用之焊接參數，下表指出各尺寸管材焊接程序個階段所需之時間。

Dimension	SP 110				SP 250(SP 280)				KWH335~630	
	PP-Pure Polypure		PVDF UHP		PP-Pure Polypure		PVDF UHP		PP	PVDF
	SDR11	SDR17	SDR21	SDR33	SDR11	SDR17	SDR21	SDR33	SDR11	SDR21
20	127	-	90	-	-	-	-	-	-	-
25	134	-	90	-	-	-	-	-	-	-
32	147	-	101	-	-	-	-	-	-	-
40	178	-	136	-	-	-	-	-	-	-
50	206	194	148	-	-	-	-	-	-	-
63	240	228	148	144	-	-	-	-	-	-
75	235	242	157	136	413	330	214	214	-	-
90	321	268	185	167	488	631	232	229	922	433
110	316	282	188	179	524	470	250	244	1102	518
125	-	-	-	-	578	395	264	255	1282	584
140	-	-	-	-	605	524	288	240	1396	614
160	-	-	-	-	633	585	299	279	1456	640
180	-	-	-	-	669	599	356	317	1576	740
200	-	-	-	-	712	625	378	373	1696	882
225	-	-	-	-	750	753	404	396	1891	1002
250	-	-	-	-	795	740	451	415	2011	1046
280	-	-	-	-	-	-	488	466	2131	1108
315	-	-	-	-	-	-	-	-	2206	1147
355	-	-	-	-	-	-	-	-	3288	1709
400	-	-	-	-	-	-	-	-	3466	1808
450	-	-	-	-	-	-	-	-	4005	2083
500	-	-	-	-	-	-	-	-	4305	2239
560	-	-	-	-	-	-	-	-	4445	2311
630	-	-	-	-	-	-	-	-	4565	2374

※ Welding times for IR-fusion (SP Type) 遠紅外線焊接時間分布表(SP Type)
As we are constantly endeavour to improve our welding system and parameter, changes without notice are possible.

※ 本表數據僅為參考用，請依實際施工環境條件設備做調整。
The above date is only for reference, please follow up the working conditions and cquipment do the necessary adjustment.

◎BUTT Welding(面對面焊接)
◎The gradually sequences of the welding process(welding curve): (焊接作業之漸進程序(焊接曲線))



※ Welding curve of butt welding (面對面焊接曲線圖)

◎ Welding parameters (焊接參數)

Reference values for heating element butt welding of PVDF pipes and fittings at outside temperatures of about 20℃ and low air-speed rates (acc.DVS 2207 Part 15)(PVDF管，配件面對面焊接參考數據為室溫約在20℃；低風速條件下。)(根據DVS 2207 Part15)

Material	Wall thickness (mm) 壁厚	Alignment Bead height mln.(mm) 調整時焊接最小高度	Pre-heating time (sec) 秒 預熱時間	Adjusting time max.(sec)秒 最大調整時間	Build-up pressure time (sec) 秒 壓力成型時間	Cooling time min.(min) 最小冷卻時間
Spec.welding pressure	---	0.10N/mm²	0.01N/mm²	---	0.10N/mm²	
PVDF	1.9-3.5	0.5	59-75	3	3-4	5.0-6.0
	3.5-5.5	0.5	75-95	3	4-5	6.0-8.5
	5.5-10.0	0.5-1.0	95-140	4	4-7	8.5-14.0
	10.0-15.0	1.0-1.3	140-190	4	7-9	14.0-19.0
	15.0-20.0	1.3-1.7	190-240	5	9-11	19.0-25.0
	20.0-25.0	1.7-2.0	240-290	5	11-13	25.0-32.0
	25.0-30.0	2.5-3.0	290-00	7	13-18	32-45

※ Welding parameters of butt welding

Heating element socket welding
(插管套接操作)

Welding method (套接方法)

On heating element socket welding, pipe and fittings are lap-welded. The pipe end and fitting socket are heated up to welding temperature by means of a socket-like or a spigot-like heating element and afterwards, thy are joined.

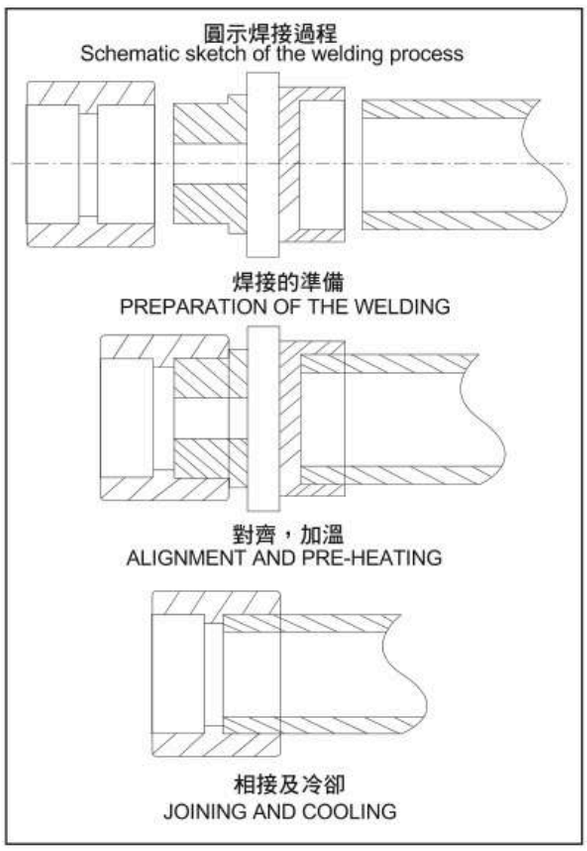
在熱插套焊中，管子和配件是交疊式焊法，管端和配件插口用內套及外套電熱板加熱到焊接溫度使管子和配件相熔接。

The dimensions of pipe end, heating element and fitting socket are coordinated so that a joining pressure builds up on joining (see schematic sketh).

管端尺寸、電熱板和配件插口是互相同等的，所以熔接壓力在熔接時建立起來(參看草圖)。

Heating element socket weldings may be manually performed up to pipe outside diameters of 40mm. Above that, use a welding device because of increasing joining forces.

熱插套焊可以用手動式操做到管子外境40mm，以上尺寸使用焊接工具來增加熔接力量。



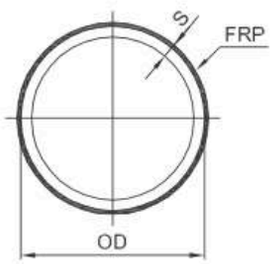
Pre-heating time AW
(sec)
PN6

Welding parameters (套接係數)

Pipe oustside diameter (管外徑) (mm)		Wall thickness (壁厚) (mm)	Preheating time (預熱時間) (sec)秒	Maxi mum Adjusting time (最大調整時間) (sec)秒	Cooling time (冷卻時間) (min)
20	1/2"	1.9	3	3	3
25	3/4"	1.9	4	3	3
32	1"	2.4	5	3	3
40	1-1/4"	2.4	6	4	4
50	1-1/2"	3.0	8	4	5
63	2"	2.5	7	4	6
63	2"	3.0	10	4	6
75	2-1/2"	2.5	7	5	6
75	2-1/2"	3.6	12	5	6
90	3"	2.8	8	6	8
90	3"	4.3	15	6	8
110	4"	3.4	12	6	10
110	4"	5.3	20	6	10

PVDF(FRP COATED)PIPE

Liner, PN10, PN16, PN20
for butt welding



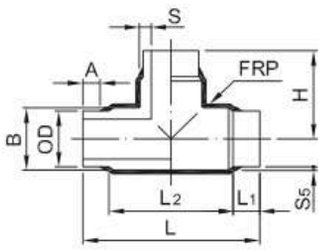
直管 PVDF(FRP COATED)PIPE
DFP PIO

OD (mm)	LINER		S5 FRP (mm)	A (mm)	SDR 33 ISO S16 PN10			SDR 21 ISO S10 PN16			SDR 17 ISO S8 PN 20		
	S (mm)	Weight (kg/m)			Code	S (mm)	Weight (kg/m)	Code	S (mm)	Weight (kg/m)	Code	S (mm)	Weight (kg/m)
16	-	-	2	20	-	-	-	-	-	-	53-PIO-17-0016	1.5	0.14
20	-	-	2	25	-	-	-	53-PIO-21-0020	1.9	0.21	53-PIO-17-0020	1.9	0.21
25	-	-	2	30	-	-	-	53-PIO-21-0025	1.9	0.27	53-PIO-17-0025	1.9	0.27
32	2.4	0.44	2	35	-	-	-	53-PIO-21-0032	2.4	0.44	53-PIO-17-0032	2.4	0.44
40	2.4	0.55	2	35	-	-	-	53-PIO-21-0040	2.4	0.55	53-PIO-17-0040	2.4	0.55
50	2.5	0.73	2	35	-	-	-	53-PIO-21-0050	3.0	0.85	53-PIO-17-0050	3.0	0.85
63	2.5	0.93	3	35	53-PIO-33-0063	2.0	0.93	53-PIO-21-0063	3.0	1.09	53-PIO-17-0063	3.8	1.29
75	2.5	1.11	3	40	53-PIO-33-0075	2.3	1.13	53-PIO-21-0075	3.6	1.55	53-PIO-17-0075	4.5	1.83
90	2.8	1.48	3	40	53-PIO-33-0090	2.8	1.48	53-PIO-21-0090	4.3	2.22	53-PIO-17-0090	5.4	2.60
110	3.0	1.94	3	40	53-PIO-33-0110	3.4	2.20	53-PIO-21-0110	5.3	3.32	53-PIO-17-0110	6.6	3.90
125	3.0	2.21	3	45	53-PIO-33-0125	3.9	2.84	53-PIO-21-0125	6.0	4.24	-	-	-
140	3.0	2.49	3	50	53-PIO-33-0140	4.3	3.52	53-PIO-21-0140	6.7	5.31	-	-	-
160	3.0	2.85	3	55	53-PIO-33-0160	4.9	4.54	53-PIO-21-0160	7.7	6.69	-	-	-
180	3.0	3.21	3	55	53-PIO-33-0180	5.5	5.74	53-PIO-21-0180	8.6	8.74	-	-	-
200	3.0	3.85	3	60	53-PIO-33-0200	6.2	7.19	53-PIO-21-0200	9.6	10.83	-	-	-
225	3.0	4.03	3	70	53-PIO-33-0225	6.9	8.95	53-PIO-21-0225	10.8	13.67	-	-	-
250	3.0	4.48	5	70	53-PIO-33-0250	7.7	11.09	53-PIO-21-0250	11.9	16.73	-	-	-
280	3.5	5.87	5	80	53-PIO-33-0280	8.6	13.86	53-PIO-21-0280	13.4	21.11	-	-	-
315	4.0	7.47	5	90	53-PIO-33-0315	9.7	17.55	53-PIO-21-0315	15.0	26.51	-	-	-
355	4.0	8.43	5	100	53-PIO-33-0335	10.9	22.0	-	-	-	-	-	-
400	5.0	11.81	5	110	53-PIO-33-0400	12.3	28.03	-	-	-	-	-	-
450	5.0	13.30	5	120	53-PIO-33-0450	13.7	35.31	-	-	-	-	-	-
500	-	-	8	140	53-PIO-33-0500	15.2	48.0	-	-	-	-	-	-
560	-	-	8	150	53-PIO-33-0560	17.0	62.0	-	-	-	-	-	-
630	-	-	8	170	53-PIO-33-0630	19.1	73.0	-	-	-	-	-	-

PVDF(FRP COATED)TEE

for butt welding
molded from PVDF

對接正三通 **PVDF(披覆FRP)**
DFP TT1

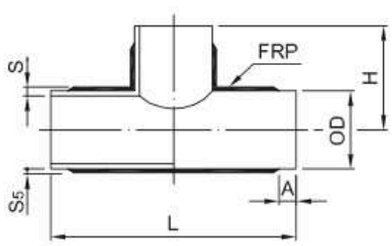


OD (mm)	H (mm)	L (mm)	L1 (mm)	L2 (mm)	B (mm)	S5 FRP (mm)	A (mm)	SDR33 ISO S16 PN10		SDR21 ISO S10 PN16	
								Code	S (mm)	Code	S (mm)
20	35.00	70.5	15.0	40.0	21.0	2	25	-	-	53-TT1-21-0020	1.9
25	40.00	81.0	15.0	50.0	26.0	2	30	-	-	53-TT1-21-0025	1.9
32	47.75	89.0	17.0	55.0	33.4	2	35	-	-	53-TT1-21-0032	2.4
40	50.00	101.0	15.0	71.5	42.0	2	35	-	-	53-TT1-21-0040	2.4
50	60.00	122.0	23.0	76.0	52.0	2	35	-	-	53-TT1-21-0050	3.0
63	75.50	150.0	27.0	96.0	65.0	3	35	53-TT1-33-0063	2.0	53-TT1-21-0063	3.0
75	87.50	175.0	28.0	120.0	76.8	3	40	53-TT1-33-0075	2.3	53-TT1-21-0075	3.6
90	91.75	182.0	32.5	117.0	93.5	3	40	53-TT1-33-0090	2.8	53-TT1-21-0090	4.3
110	110.5	217.5	34.5	148.5	114.0	3	40	53-TT1-33-0110	3.4	53-TT1-21-0110	5.3
125	119.5	238.0	35.0	169.0	133.0	3	45	53-TT1-33-0125	3.9	53-TT1-21-0125	6.0
140	126.0	344.0	80.0	182.0	150.0	3	50	53-TT1-33-0140	4.3	53-TT1-21-0140	6.7
160	137.0	369.0	85.0	204.0	170.0	3	55	53-TT1-33-0160	4.9	53-TT1-21-0160	7.7
180	158.5	520.0	35.0	247.0	190.0	3	55	53-TT1-33-0180	5.5	53-TT1-21-0180	8.6
200	168.0	336.0	35.0	266.0	210.0	3	60	53-TT1-33-0200	6.2	53-TT1-21-0200	9.6
225	170.0	483.0	100	260.0	235.0	3	70	53-TT1-33-0020	6.9	53-TT1-21-0225	10.8
250	209.0	418.0	45.0	328.0	262.0	5	70	53-TT1-33-0250	7.7	53-TT1-21-0250	11.9
280	257.0	514.0	70.0	374.0	284.0	5	80	53-TT1-33-0280	8.6	53-TT1-21-0280	13.4
315	275.0	550.0	70.0	410.0	331.0	5	90	53-TT1-33-0315	9.7	53-TT1-21-0315	15.0

PVDF(FRP COATED)TEE

(Fabricated)
molded from PVDF
for butt welding

手工正三通 **PVDF(披覆FRP)**
DFP TT4

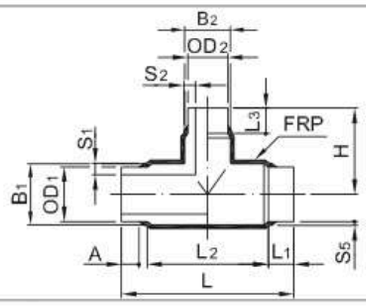


OD (mm)	H (mm)	L (mm)	S5 FRP (mm)	A (mm)	SDR33 ISO S16 PN10		SDR21 ISO S10 PN16	
					Code	S (mm)	Code	S (mm)
355	357.5	715	5	100	53-TT4-33-0355	10.9	-	-
400	410	820	5	110	53-TT4-33-0400	12.3	-	-
450	475	950	5	120	53-TT4-33-0450	13.7	-	-
500	530	1060	8	140	53-TT4-33-0500	15.2	-	-
560	580	1160	8	150	53-TT4-33-0560	17.0	-	-
630	665	1330	8	170	53-TT4-33-0630	19.1	-	-

PVDF(FRP COATED) REDUCED TEE

molded form PVDF
for butt welding

對接異徑三通PVDF(披覆FRP)
DFP TR1



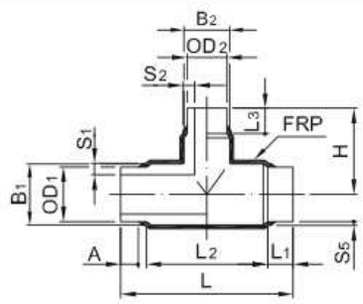
OD1/OD2 (mm)	H (mm)	L (mm)	L1 (mm)	L2 (mm)	L3 (mm)	B1 (mm)	B2 (mm)	S5 FRP (mm)	A (mm)	SDR33 ISO S16 PN10		SDR21 ISO S10 PN16	
										Code	S (mm)	Code	S (mm)
63-32	68.5	124	26	72	26	65.0	33.4	3	35	53-TR1-33-063032	-	53-TR1-21-063032	3.0/2.4
63-50	68.5	124	26	72	26	65.0	52.0	3	35	53-TR1-33-063050	-	53-TR1-21-063050	3.0/3.0
75-50	74.5	127	26	75	26	76.8	52.0	3	40	53-TR1-33-075050	2.3/-	53-TR1-21-075050	3.6/3.0
75-63	74.5	127	26	75	26	76.8	65.0	3	40	53-TR1-33-075063	2.3/2.0	53-TR1-21-075063	3.6/3.0
90-63	85.2	153.8	26	101.8	26	93.5	65.0	3	40	53-TR1-33-090063	2.8/2.0	53-TR1-21-090063	4.3/3.0
90-75	85.2	153.8	26	101.8	26	93.5	76.8	3	40	53-TR1-33-090075	2.8/2.3	53-TR1-21-090075	4.3/3.6
△110-32	101	218	-	-	-	-	-	3	40	53-TR1-33-110032	-	53-TR1-21-110032	5.3/2.4
△110-40	101	218	-	-	-	-	-	3	40	53-TR1-33-110040	-	53-TR1-21-110040	5.3/2.4
△110-50	101	218	-	-	-	-	-	3	40	53-TR1-33-110050	-	53-TR1-21-110050	5.3/3.0
110-63	101	218	30	158	26	114	65.0	3	40	53-TR1-33-110063	3.4/2.0	53-TR1-21-110063	5.3/3.0
△110-75	101	218	-	-	-	-	-	3	40	53-TR1-33-110075	3.4/2.3	53-TR1-21-110075	5.3/3.6
110-90	101	218	30	158	29	114	93.5	3	40	53-TR1-33-110090	3.4/2.8	53-TR1-21-110090	5.3/4.3
△125-40	106	214	-	-	-	-	-	3	45	53-TR1-33-125040	-	53-TR1-21-125040	6.0/2.4
△125-50	106	214	-	-	-	-	-	3	45	53-TR1-33-125050	-	53-TR1-21-125050	6.0/3.0
△125-63	106	214	35	144	26	130	65.0	3	45	53-TR1-33-125063	3.9/2.0	53-TR1-21-125063	6.0/3.0
125-75	106	214	35	144	26	130	76.8	3	45	53-TR1-33-125075	3.9/2.3	53-TR1-21-125075	6.0/3.6
125-90	106	214	35	144	26	130	93.5	3	45	53-TR1-33-125090	3.9/2.8	53-TR1-21-125090	6.0/4.3
125-110	106	214	35	144	30	130	114.0	3	45	53-TR1-33-125110	3.9/3.4	53-TR1-21-125110	6.0/5.3
△140-50	114	214	-	-	-	-	-	3	50	53-TR1-33-140050	-	53-TR1-21-140050	6.7/3.0
△140-63	114	214	35	144	26	146	65.0	3	50	53-TR1-33-140063	4.3/2.0	53-TR1-21-140063	6.7/3.0
140-75	114	214	35	144	26	146	76.8	3	50	53-TR1-33-140075	4.3/2.3	53-TR1-21-140075	6.7/3.6
140-90	114	214	35	144	26	146	93.5	3	50	53-TR1-33-140090	4.3/2.8	53-TR1-21-140090	6.7/4.3
140-110	114	214	35	144	30	146	114.0	3	50	53-TR1-33-140110	4.3/3.4	53-TR1-21-140110	6.7/5.3
△140-125	114	214	-	-	-	-	-	3	50	53-TR1-33-140125	4.3/3.9	53-TR1-21-140125	6.7/6.0
160-63	126	286	35	144	26	167	65.0	3	55	53-TR1-33-160063	4.9/2.0	53-TR1-21-160063	7.7/3.0
△160-75	126	286	-	-	-	-	-	3	55	53-TR1-33-160075	4.9/2.3	53-TR1-21-160075	7.7/3.6
160-90	133	286	35	144	26	167	93.5	3	55	53-TR1-33-160090	4.9/2.8	53-TR1-21-160090	7.7/4.3
160-110	133	286	35	144	29	167	114.0	3	55	53-TR1-33-160110	4.9/3.4	53-TR1-21-160110	7.7/5.3
160-125	133	286	-	-	-	-	-	3	55	53-TR1-33-160125	4.9/3.9	53-TR1-21-160125	7.7/6.0
160-140	133	286	-	-	-	-	-	3	55	53-TR1-33-160140	4.9/4.3	53-TR1-21-160140	7.7/6.7
△180-63	144	220	35	150	26	188	65.0	3	55	53-TR1-33-180063	5.5/2.0	53-TR1-21-180063	8.6/3.0
△180-75	144	220	35	150	26	188	76.8	3	55	53-TR1-33-180075	5.5/2.3	53-TR1-21-180075	8.6/3.6
180-90	144	220	35	150	26	188	93.5	3	55	53-TR1-33-180090	5.5/2.8	53-TR1-21-180090	8.6/4.3
180-110	144	220	35	150	30	188	114.0	3	55	53-TR1-33-180110	5.5/3.4	53-TR1-21-180110	8.6/5.3
180-125	144	220	35	150	35	188	130.0	3	55	53-TR1-33-180125	5.5/3.9	53-TR1-21-180125	8.6/6.0
△180-140	144	220	-	-	-	-	-	3	55	53-TR1-33-180140	5.5/4.3	53-TR1-21-180140	8.6/6.7
△180-160	144	220	-	-	-	-	-	3	55	53-TR1-33-180160	5.5/4.9	53-TR1-21-180160	8.6/7.7

△ 轉接品(Transition)

PVDF(FRP COATED) REDUCED TEE

molded from PVDF
for butt welding

對接異徑三通 PVDF 披覆 FRP
DFP TR1



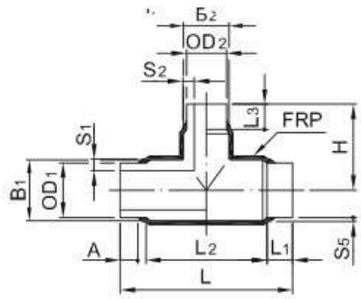
OD1/OD2 (mm)	H (mm)	L (mm)	L1 (mm)	L2 (mm)	L3 (mm)	B1 (mm)	B2 (mm)	S5 FRP (mm)	A (mm)	SDR33 ISO S16 PN10		SDR21 ISO S10 PN16	
										Code	S (mm)	Code	S (mm)
△ 200-63	157.0	273	35	203	26	208	65.0	3	60	53-TR1-33-200063	6.2/2.0	53-TR1-21-200063	9.6/3.0
△ 200-90	157.0	273	35	203	26	208	93.5	3	60	53-TR1-33-200090	6.2/2.8	53-TR1-21-200090	9.6/4.3
200-110	157.0	273	35	203	30	208	114.0	3	60	53-TR1-33-200110	6.2/3.4	53-TR1-21-200110	9.6/5.3
200-125	157.0	273	35	203	35	208	130.0	3	60	53-TR1-33-200125	6.2/3.9	53-TR1-21-200125	9.6/6.0
200-140	157.0	273	35	203	35	208	146.0	3	60	53-TR1-33-200140	6.2/4.3	53-TR1-21-200140	9.6/6.7
200-160	157.0	273	35	203	35	208	167.0	3	60	53-TR1-33-200160	6.2/4.9	53-TR1-21-200160	9.6/7.7
200-180	157.0	273	-	-	-	-	-	3	60	53-TR1-33-200180	6.2/5.5	53-TR1-21-200180	9.6/8.6
△ 225-75	171.5	306	40	226	26	235	76.8	3	70	53-TR1-33-225075	6.9/2.3	53-TR1-21-225075	10.8/3.6
△ 225-90	171.5	306	40	226	26	235	93.5	3	70	53-TR1-33-225090	6.9/2.8	53-TR1-21-225090	10.8/4.3
△ 225-110	171.5	306	40	226	30	235	114.0	3	70	53-TR1-33-225110	6.9/3.4	53-TR1-21-225110	10.8/5.3
225-125	171.5	306	40	226	35	235	130.0	3	70	53-TR1-33-225125	6.9/3.9	53-TR1-21-225125	10.8/6.0
△ 225-140	171.5	306	-	-	-	-	-	3	70	53-TR1-33-225140	6.9/4.3	53-TR1-21-225140	10.8/6.7
225-160	171.5	306	40	226	35	235	167.0	3	70	53-TR1-33-225160	6.9/4.9	53-TR1-21-225160	10.8/7.7
225-180	171.5	306	40	226	35	235	188.0	3	70	53-TR1-33-225180	6.9/5.5	53-TR1-21-225180	10.8/8.6
△ 225-200	171.5	306	-	-	-	-	-	3	70	53-TR1-33-225200	6.9/6.2	53-TR1-21-225200	10.8/9.6
△ 250-110	188.0	325	45	235	30	260	114.0	5	70	53-TR1-33-250110	7.7/3.4	53-TR1-21-250110	11.9/5.3
△ 250-125	188.0	325	-	-	-	-	-	5	70	53-TR1-33-250125	7.7/3.9	53-TR1-21-250125	11.9/6.0
△ 250-140	188.0	325	45	235	35	260	146.0	5	70	53-TR1-33-250140	7.7/4.3	53-TR1-21-250140	11.9/6.7
250-160	188.0	325	45	235	35	260	167.0	5	70	53-TR1-33-250160	7.7/4.9	53-TR1-21-250160	11.9/7.7
△ 250-180	188.0	325	-	-	-	-	-	5	70	53-TR1-33-250180	7.7/5.5	53-TR1-21-250180	11.9/8.6
250-200	188.0	325	45	235	35	260	208.0	5	70	53-TR1-33-250200	7.7/6.2	53-TR1-21-250200	11.9/9.6
250-225	188.0	325	45	235	40	260	235.0	5	70	53-TR1-33-250225	7.7/6.9	53-TR1-21-250225	11.9/10.8
* 280-140	250	480	-	-	-	-	-	5	80	53-TR1-33-280140	8.6/4.3	53-TR1-21-280140	13.4/6.7
* 280-160	250	480	-	-	-	-	-	5	80	53-TR1-33-280160	8.6/4.9	53-TR1-21-280160	13.4/7.7
* 280-180	250	480	-	-	-	-	-	5	80	53-TR1-33-280180	8.6/5.5	53-TR1-21-280180	13.4/8.6
* 280-200	270	550	-	-	-	-	-	5	80	51-TR1-33-280200	8.6/6.2	53-TR1-21-280200	13.4/9.6
* 280-225	270	550	-	-	-	-	-	5	80	51-TR1-33-280225	8.6/6.9	53-TR1-21-280225	13.4/10.8
* 280-250	270	550	-	-	-	-	-	5	80	51-TR1-33-280250	8.6/7.7	53-TR1-21-280250	13.4/11.9
* 315-160	278	520	-	-	-	-	-	5	90	51-TR1-33-315160	9.7/4.9	53-TR1-21-315160	15.0/7.7
* 315-180	278	520	-	-	-	-	-	5	90	51-TR1-33-315180	9.7/5.5	53-TR1-21-315180	15.0/8.6
* 315-200	278	520	-	-	-	-	-	5	90	51-TR1-33-315200	9.7/6.2	53-TR1-21-315200	15.0/9.6
* 315-225	307	600	-	-	-	-	-	5	90	51-TR1-33-315225	9.7/6.9	53-TR1-21-315225	15.0/10.8
* 315-250	307	600	-	-	-	-	-	5	90	51-TR1-33-315250	9.7/7.7	53-TR1-21-315250	15.0/11.9
* 315-280	307	600	-	-	-	-	-	5	90	51-TR1-33-315280	9.7/8.6	53-TR1-21-315280	15.0/13.4

△ 轉接品(Transition)　＊ 手工製品(Fabricated)

PVDF(FRP COATED) REDUCED TEE

molded from PVDF
for butt welding

手工對接異徑三通 **PVDF 披覆 FRP**
DFP TR3

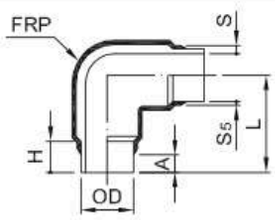


OD1/OD2 (mm)	H (mm)	L (mm)	S5 FRP (mm)	A (mm)	SDR33 ISO S16 PN10	
					Code	S (mm)
355-180	297	585	5	100	53-TR3-33-355180	10.9/5.5
355-200	297	585	5	100	53-TR3-33-355200	10.9/6.2
355-225	297	585	5	100	53-TR3-33-355225	10.9/6.9
355-250	337	675	5	100	53-TR3-33-355250	10.9/7.7
355-280	337	675	5	100	53-TR3-33-355280	10.9/8.6
355-315	337	675	5	100	53-TR3-33-355315	10.9/9.7
400-200	330	670	5	110	53-TR3-33-400200	12.3/6.2
400-225	330	670	5	110	53-TR3-33-400225	12.3/6.9
400-250	330	670	5	110	53-TR3-33-400250	12.3/7.7
400-280	380	775	5	110	53-TR3-33-400280	12.3/8.6
400-315	380	775	5	110	53-TR3-33-400315	12.3/9.7
400-355	380	775	5	110	53-TR3-33-400355	12.3/10.9
450-225	375	780	5	120	53-TR3-33-450225	13.7/6.9
450-250	375	780	5	120	53-TR3-33-450250	13.7/7.7
450-280	375	780	5	120	53-TR3-33-450280	13.7/8.6
450-315	435	900	5	120	53-TR3-33-450315	13.7/9.7
450-355	435	900	5	120	53-TR3-33-450355	13.7/10.9
450-400	435	900	5	120	53-TR3-33-450400	13.7/12.3
500-250	410	875	8	140	53-TR3-33-500250	15.2/7.7
500-280	410	875	8	140	53-TR3-33-500280	15.2/8.6
500-315	410	875	8	140	53-TR3-33-500315	15.2/9.7
500-355	500	1010	8	140	53-TR3-33-500355	15.2/10.9
500-400	500	1010	8	140	53-TR3-33-500400	15.2/12.3
500-450	500	1010	8	140	53-TR3-33-500450	15.2/13.7
560-280	460	955	8	150	53-TR3-33-560280	17.0/8.6
560-315	460	955	8	150	53-TR3-33-560315	17.0/9.7
560-355	460	955	8	150	53-TR3-33-560355	17.0/10.9
560-400	560	1100	8	150	53-TR3-33-560400	17.0/12.3
560-450	560	1100	8	150	53-TR3-33-560450	17.0/13.7
560-500	560	1100	8	150	53-TR3-33-560500	17.0/15.2
630-315	525	1100	8	170	53-TR3-33-630315	19.1/9.7
630-355	525	1100	8	170	53-TR3-33-630355	19.1/10.9
630-400	525	1100	8	170	53-TR3-33-630400	19.1/12.3
630-450	615	1260	8	170	53-TR3-33-630450	19.1/13.7
630-500	615	1260	8	170	53-TR3-33-630500	19.1/15.2
630-560	615	1260	8	170	53-TR3-33-630560	19.1/17.0

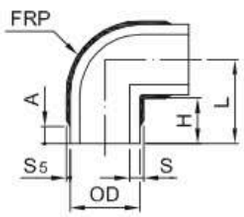
手工製品(Fabricated)

PVDF(FRP COATED) 90° BEND

for butt welding
molded from PVDF
對接90° 彎頭 PVDF 披覆 FRP
DFP L91



(∅20~∅110 , 140 , 160 , 225 , 280)

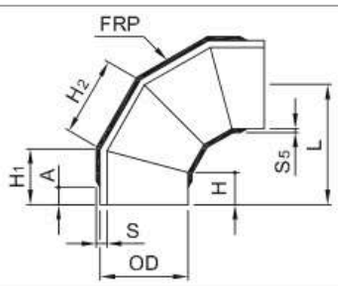


(∅125 , 180 , 200 , 250 , 315)

OD (mm)	H (mm)	L (mm)	S5 FRP (mm)	A (mm)	SDR33 ISO S16 PN10		SDR21 ISO S10 PN16	
					Code	S (mm)	Code	S (mm)
20	25	45.0	2	25	-	-	53-L91-21-0020	1.9
25	26	51.0	2	30	-	-	53-L91-21-0025	1.9
32	26	58.0	2	35	-	-	53-L91-21-0032	2.4
40	28	68.0	2	35	-	-	53-L91-21-0040	2.4
50	28	78.0	2	35	-	-	53-L91-21-0050	3.0
63	28	91.0	3	35	53-L91-33-0063	2.0	53-L91-21-0063	3.0
75	28	103.0	3	40	53-L91-33-0075	2.3	53-L91-21-0075	3.6
90	28	118.0	3	40	53-L91-33-0090	2.8	53-L91-21-0090	4.3
110	28	138.0	3	40	53-L91-33-0110	3.4	53-L91-21-0110	5.3
125	35	97.5	3	45	53-L91-33-0125	3.9	53-L91-21-0125	6.0
140	35	130.0	3	50	53-L91-33-0140	4.3	53-L91-21-0140	6.7
160	35	133.0	3	55	53-L91-33-0160	4.9	53-L91-21-0160	7.7
180	46	136.0	3	55	53-L91-33-0180	5.5	53-L91-21-0180	8.6
200	38	138.0	3	60	53-L91-33-0200	6.2	53-L91-21-0200	9.6
225	40	180.0	3	70	53-L91-33-0225	6.9	53-L91-21-0225	10.8
250	45	299.5	5	70	53-L91-33-0250	7.7	53-L91-21-0250	11.9
280	90	230.0	5	80	53-L91-33-0280	8.6	53-L91-21-0280	13.4
315	178	340.0	5	90	53-L91-33-0315	9.7	53-L91-21-0315	15.0

PVDF(FRP COATED) 90° ELBOW

molded from PVDF
(Fabricated)
手工對接 90°彎頭 PVDF 披覆FRP
DFP L94

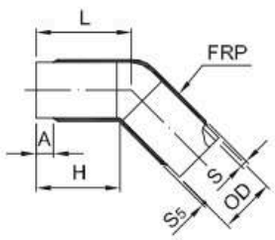


OD (mm)	H (mm)	H1 (mm)	H2 (mm)	L (mm)	S5 FRP (mm)	A (mm)	SDR33 ISO S16 PN10		SDR21 ISO S10 PN16	
							Code	S (mm)	Code	S (mm)
355	160	255	350	569	5	100	53-L94-33-0315	10.9	-	-
400	180	287	394	641	5	110	53-L94-33-0400	12.3	-	-
450	200	321	441	716	5	120	53-L94-33-0450	13.7	-	-
500	220	354	488	791	8	140	53-L94-33-0500	15.2	-	-
560	240	390	539	873	8	150	53-L94-33-0560	17.0	-	-
630	250	419	588	948	8	170	53-L94-33-0630	19.1	-	-

手工製品(Fabricated)

PVDF(FRP COATED) 45° ELBOW

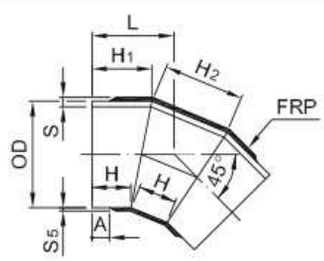
for butt welding
molded from PVDF
對接45°彎頭 **PVDF 披覆 FRP**
DFP L45



OD (mm)	H (mm)	L (mm)	S5 FRP (mm)	A (mm)	SDR33 ISO S16 PN10		SDR21 ISO S10 PN16	
					Code	S (mm)	Code	S (mm)
20	28	32.0	2	25	-	-	-	-
25	29	34.0	2	30	-	-	-	-
32	30	36.0	2	35	-	-	-	-
40	31	39.0	2	35	-	-	-	-
50	32	42.0	2	35	-	-	-	-
63	34	47.0	3	35	53-L45-33-0063	2.0	53-L45-21-0063	3.0
75	34	49.0	3	40	53-L45-33-0075	2.3	53-L45-21-0075	3.6
90	36	55.0	3	40	53-L45-33-0090	2.8	53-L45-21-0090	4.3
110	45	68.0	3	40	53-L45-33-0110	3.4	53-L45-21-0110	5.3
125	50	81.0	3	45	53-L45-33-0125	3.9	53-L45-21-0125	6.0
140	55	91.5	3	50	53-L45-33-0140	4.3	53-L45-21-0140	6.7
160	60	94.0	3	55	53-L45-33-0160	4.9	53-L45-21-0160	7.7
180	65	110.0	3	55	53-L45-33-0180	5.5	53-L45-21-0180	8.6
200	70	120.0	3	60	53-L45-33-0200	6.2	53-L45-21-0200	9.6
225	80	127.0	3	70	53-L45-33-0225	6.9	53-L45-21-0225	10.8
250	90	150.0	5	70	53-L45-33-0250	7.7	53-L45-21-0250	11.9
280	100	170.0	5	80	53-L45-33-0280	8.6	53-L45-21-0280	13.4
315	110	184.0	5	90	53-L45-33-0315	9.7	53-L45-21-0315	15.0

PVDF(FRP COATED) 45° ELBOW

for butt welding
molded from PVDF
手工對接45°彎頭 **PVDF 披覆 FRP**
DFP L47

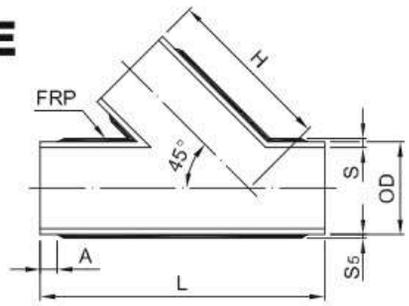


OD (mm)	H (mm)	H1 (mm)	H2 (mm)	L (mm)	S5 FRP (mm)	A (mm)	SDR33 ISO S16 PN10		SDR21 ISO S10 PN16	
							Code	S (mm)	Code	S (mm)
355	160	230	302	320	5	100	53-L47-33-0355	10.9	-	-
400	180	259	340	360	5	110	53-L47-33-0400	12.3	-	-
450	200	289	398	401	5	120	53-L47-33-0450	13.7	-	-
500	220	320	410	443	8	140	53-L47-33-0500	15.2	-	-
560	240	352	452	485	8	150	53-L47-33-0560	17.0	-	-
630	250	375	488	516	8	170	53-L47-33-0630	19.1	-	-

手工製品(Fabricated)

PVDF(FRP COATED) 45° Y-TEE

(Fabricated)
for butt welding
molded from PVDF
手工對接45° 正Y型三通
PVDF 披覆 FRP
DFP TY1;TY2



OD (mm)	H (mm)	L (mm)	S5 FRP (mm)	A (mm)	SDR33 ISO S16 PN10		SDR21 ISO S10 PN16	
					Code	S (mm)	Code	S (mm)
63	126	225	3	35	53-TY1-33-0063	2.0	53-TY1-21-0063	3.0
90	159	261	3	40	53-TY1-33-0090	2.8	53-TY1-21-0090	4.3
110	193	318	3	40	53-TY1-33-0110	3.4	53-TY1-21-0110	5.3
125	221	366	3	45	53-TY1-33-0125	3.9	53-TY1-21-0125	6.0
140	239	387	3	50	53-TY1-33-0140	4.3	53-TY1-21-0140	6.7
160	273	443	3	55	53-TY1-33-0160	4.9	53-TY1-21-0160	7.7
180	297	471	3	55	53-TY1-33-0180	5.5	53-TY1-21-0180	8.6
200	336	541	3	60	53-TY1-33-0200	6.2	53-TY1-21-0200	9.6
225	377	603	3	70	53-TY1-33-0225	6.9	53-TY1-21-0225	10.8
250	422	679	5	70	53-TY1-33-0250	7.7	53-TY1-21-0250	11.9
280	468	748	5	80	53-TY1-33-0280	8.6	53-TY1-21-0280	13.4
315	525	838	5	90	53-TY1-33-0315	9.7	53-TY1-21-0315	15.0
355	589	935	5	100	53-TY2-33-0355	10.9	-	-
400	663	1053	5	110	53-TY2-33-0400	12.3	-	-
450	743	1178	5	120	53-TY2-33-0450	13.7	-	-
500	824	1303	8	140	53-TY2-33-0500	15.2	-	-
560	916	1441	8	150	53-TY2-33-0560	17.0	-	-
630	1011	1567	8	170	53-TY2-33-0630	19.1	-	-

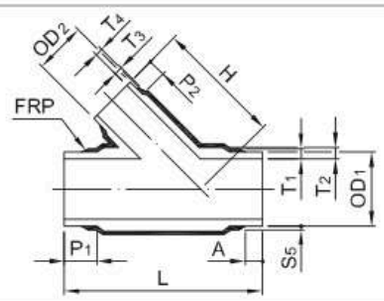
手工製品(Fabricated)

PVDF(FRP COATED) REDUCED 45° Y-TEE

for butt welding molded from PVDF

對接異徑45°Y型三通 **PVDF 披覆 FRP**

DFP TY1



OD1 (mm)	OD2 (mm)	L (mm)	P1 (mm)	P2 (mm)	H (mm)	S5 FRP (mm)	SDR33 ISO S16 PN10				
							T1 (mm)	T2 (mm)	T3 (mm)	T4 (mm)	Code
63	63	251	31	31	154	3	2.0	6.2	2.0	6.2	53-TY1-33-063063
90	63	242	53	31	153.53	3	5.1	11.1	3.6	7.8	53-TY1-33-090063
90	90	345	53	53	214	3	2.8	8.8	2.8	8.8	53-TY1-33-090090
110	63	273	65	31	172.50	3	6.3	13.1	3.6	7.8	53-TY1-33-110063
110	110	410	65	65	245	3	3.4	10.2	3.4	10.2	53-TY1-33-110110
160	110	374	84	65	265.05	3	9.1	15.8	6.3	13.0	53-TY1-33-160110
160	160	525	84	84	330	3	4.9	11.6	4.9	11.6	53-TY1-33-160160

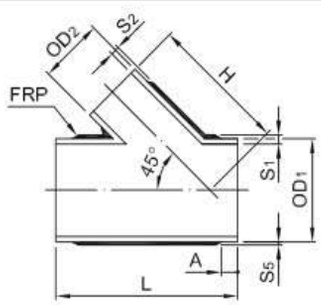
OD (mm)	OD (mm)	L (mm)	P1 (mm)	P2 (mm)	H (mm)	S5 FRP (mm)	SDR21 ISO S10 PN16				
							T1 (mm)	T2 (mm)	T3 (mm)	T4 (mm)	Code
63	63	251	31	31	154	3	3.0	7.0	3.0	7.0	51-TY1-21-063063
90	63	242	53	31	153.53	3	8.2	14.2	6.0	10.0	51-TY1-21-090063
90	90	345	53	53	214	3	4.3	10	4.3	10.0	51-TY1-21-090090
110	63	273	65	31	172.50	3	10.0	16.8	6.0	10.0	51-TY1-21-110063
110	90	316.25	65	53	207.35	3	10.0	16.8	8.5	14.2	51-TY1-21-110090
110	110	410	65	65	245	3	5.3	12.1	5.3	12.1	51-TY1-21-110110
160	90	356.50	84	53	248.04	3	14.6	21.3	8.3	14.2	51-TY1-21-160090
160	110	374	84	65	265.05	3	14.6	21.3	10.4	16.7	51-TY1-21-160110
160	160	525	84	84	330	3	7.7	14.4	7.7	14.4	51-TY1-21-160160

PP-H(FRP COATED) REDUCED 45° Y-TEE

for butt welding
molded form PVDF

手工對接異徑45° Y型三通 **PVDF 披覆 FRP**

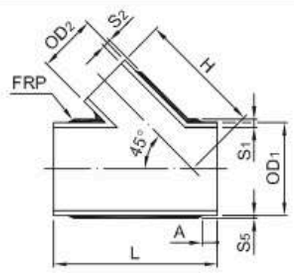
DFP TY6



OD1/OD2 (mm)	H (mm)	L (mm)	B (mm)	B1 (mm)	S5 FRP (mm)	A (mm)	SDR33 S16 PN10		SDR21 S10 PN16	
							Code	S1/S2 (mm)	Code	S1/S2 (mm)
110-32	154	208	60	88	3	40	-	-	53-TY6-21-110032	5.3/2.4
110-40	158	219	60	99	3	40	-	-	53-TY6-21-110040	5.3/2.4
110-50	163	233	60	113	3	40	-	-	53-TY6-21-110050	5.3/3.0
110-75	175	269	60	148	3	40	53-TY6-33-110075	3.4/2.3	53-TY6-21-110075	5.3/3.6
125-40	178	246	70	106	3	45	-	-	53-TY6-21-125040	6.0/2.4
125-50	183	260	70	120	3	45	-	-	53-TY6-21-125050	6.0/3.0
125-63	200	279	70	139	3	45	53-TY6-33-125063	3.9/2.0	53-TY6-21-125063	6.0/3.0
125-75	196	296	70	156	3	45	53-TY6-33-125075	3.9/2.3	53-TY6-21-125075	6.0/3.6
125-90	199	317	70	177	3	45	53-TY6-33-125090	3.9/2.8	53-TY6-21-125090	6.0/4.3
125-110	213	345	70	205	3	45	53-TY6-33-125110	3.9/3.4	53-TY6-21-125110	6.0/5.3

PVDF(FRP COATED)
REDUCED 45° Y-TEE

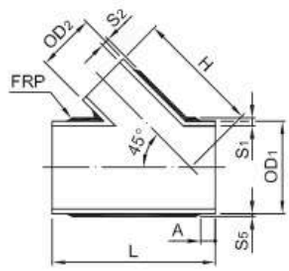
(fabricated)
for butt welding molded from PVDF
手工對接異徑45°Y型三通 PVDF 披覆 FRP
DFP TY6



OD1/OD2 (mm)	H (mm)	L (mm)	S5 FRP (mm)	A (mm)	SDR33 ISO S16 PN10		SDR21 ISO S10 PN16	
					Code	S1/S2 (mm)	Code	S1/S2 (mm)
140-50	194	260	3	50	-	-	53-TY6-21-140050	6.7/3.0
140-63	200	279	3	50	53-TY6-33-140063	4.3/2.0	53-TY6-21-140063	6.7/3.0
140-75	206	296	3	50	53-TY6-33-140075	4.3/2.3	53-TY6-21-140075	6.7/3.6
140-90	214	317	3	50	53-TY6-33-140090	4.3/2.8	53-TY6-21-140090	6.7/4.3
140-110	224	345	3	50	53-TY6-33-140110	4.3/3.4	53-TY6-21-140110	6.7/5.3
140-125	231	366	3	50	53-TY6-33-140125	4.3/3.9	53-TY6-21-140125	6.7/6.0
160-63	225	306	3	55	53-TY6-33-160063	4.9/2.0	53-TY6-21-160063	7.7/3.0
160-75	231	323	3	55	53-TY6-33-160075	4.9/2.3	53-TY6-21-160075	7.7/3.6
160-125	256	393	3	55	53-TY6-33-160125	4.9/3.9	53-TY6-21-160125	7.7/6.0
160-140	263	415	3	55	53-TY6-33-160140	4.9/4.3	53-TY6-21-160140	7.7/6.7
180-75	245	323	3	55	53-TY6-33-180075	5.5/2.3	53-TY6-21-180075	8.6/3.6
180-90	252	344	3	55	53-TY6-33-180090	5.5/2.8	53-TY6-21-180090	8.6/4.3
180-110	280	372	3	55	53-TY6-33-180110	5.5/3.4	53-TY6-21-180110	8.6/5.3
180-125	270	393	3	55	53-TY6-33-180125	5.5/3.9	53-TY6-21-180125	8.6/6.0
180-140	277	415	3	55	53-TY6-33-180140	5.5/4.3	53-TY6-21-180140	8.6/6.7
180-160	287	443	3	55	53-TY6-33-180160	5.54.9	53-TY6-21-180160	8.6/7.7
200-90	281	384	3	60	53-TY6-33-200090	6.2/2.8	53-TY6-21-200090	9.6/4.3
200-110	291	413	3	60	53-TY6-33-200110	6.2/3.4	53-TY6-21-200110	9.6/5.3
200-125	323	434	3	60	53-TY6-33-200125	6.2/3.9	53-TY6-21-200125	9.6/6.0
200-140	306	455	3	60	53-TY6-33-200140	6.2/4.3	53-TY6-21-200140	9.6/6.7
200-160	316	483	3	60	53-TY6-33-200160	6.2/4.9	53-TY6-21-200160	9.6/7.7
200-180	326	512	3	60	53-TY6-33-200180	6.2/5.5	53-TY6-21-200180	9.6/8.6
225-110	319	440	3	70	53-TY6-33-225110	6.9/3.4	53-TY6-21-225110	10.8/5.3
225-125	327	461	3	70	53-TY6-33-225125	6.9/3.9	53-TY6-21-225125	10.8/6.0
225-140	334	483	3	70	53-TY6-33-225140	6.9/4.3	53-TY6-21-225140	10.8/6.7
225-160	344	511	3	70	53-TY6-33-225160	6.9/4.9	53-TY6-21-225160	10.8/7.7
225-180	354	539	3	70	53-TY6-33-225180	6.9/5.5	53-TY6-21-225180	10.8/8.6
225-200	364	567	3	70	53-TY6-33-225200	6.9/6.2	53-TY6-21-225200	10.8/9.6
250-125	359	502	5	70	53-TY6-33-250125	7.7/3.9	53-TY6-21-250125	11.9/6.0
250-140	367	523	5	70	53-TY6-33-250140	7.7/4.3	53-TY6-21-250140	11.9/6.7
250-160	377	551	5	70	53-TY6-33-250160	7.7/4.9	53-TY6-21-250160	11.9/7.7
250-180	387	579	5	70	53-TY6-33-250180	7.7/5.5	53-TY6-21-250180	11.9/8.6
250-200	397	608	5	70	53-TY6-33-250200	7.7/6.2	53-TY6-21-250200	11.9/9.6
250-225	409	643	5	70	53-TY6-33-250225	7.7/6.9	53-TY6-21-250225	11.9/10.8
280-140	398	550	5	80	53-TY6-33-280140	8.6/4.3	53-TY6-21-280140	13.4/6.7
280-160	408	578	5	80	53-TY6-33-280160	8.6/4.9	53-TY6-21-280160	13.4/7.7
280-180	419	606	5	80	53-TY6-33-280180	8.6/5.5	53-TY6-21-280180	13.4/8.6
280-200	428	635	5	80	53-TY6-33-280200	8.6/6.2	53-TY6-21-280200	13.4/9.6
280-225	440	670	5	80	53-TY6-33-280225	8.6/6.9	53-TY6-21-280225	13.4/10.8
280-250	453	705	5	80	53-TY6-33-280250	8.6/7.7	53-TY6-21-280250	13.4/11.9

PVDF(FRP COATED)
REDUCED 45° Y-TEE

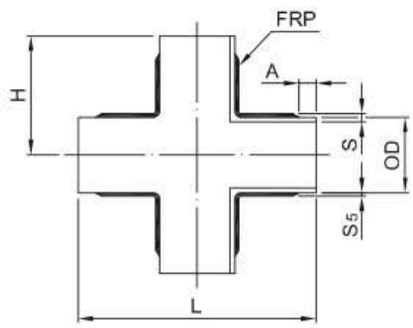
(fabricated)
for butt welding molded from PVDF
手工對接異徑45° Y型三通 **PVDF 披覆 FRP**
DFP TY6



OD1/OD2 (mm)	H (mm)	L (mm)	S5 FRP (mm)	A (mm)	SDR17.6 ISO S8.3 PN6		SDR11 S5 PN10	
					Code	S1/S2 (mm)	Code	S1/S2 (mm)
315-160	448	619	5	90	53-TY6-33-315160	9.7/4.9	53-TY6-21-315160	15.0/7.7
315-180	458	647	5	90	53-TY6-33-315180	9.7/5.5	53-TY6-21-315180	15.0/8.6
315-200	466	678	5	90	53-TY6-33-315200	9.7/6.2	53-TY6-21-315200	15.0/9.6
315-225	480	711	5	90	53-TY6-33-315225	9.7/6.9	53-TY6-21-315225	15.0/10.8
315-250	493	746	5	90	53-TY6-33-315250	9.7/7.7	53-TY6-21-315250	15.0/11.9
315-280	508	789	5	90	53-TY6-33-315280	9.7/8.6	53-TY6-21-315280	15.0/13.4
355-180	501	688	5	100	53-TY6-33-355180	10.9/5.5	-	-
355-200	511	716	5	100	53-TY6-33-355200	10.9/6.2	-	-
355-225	521	751	5	100	53-TY6-33-355225	10.9/6.9	-	-
355-250	536	787	5	100	53-TY6-33-355250	10.9/7.7	-	-
355-280	551	829	5	100	53-TY6-33-355280	10.9/8.6	-	-
355-315	558	879	5	100	53-TY6-33-355315	10.9/9.7	-	-
400-200	563	770	5	110	53-TY6-33-400200	12.3/6.2	-	-
400-225	575	805	5	110	53-TY6-33-400225	12.3/6.9	-	-
400-250	581	841	5	110	53-TY6-33-400250	12.3/7.7	-	-
400-280	603	883	5	110	53-TY6-33-400280	12.3/8.6	-	-
400-315	620	933	5	110	53-TY6-33-400315	12.3/9.7	-	-
400-355	640	989	5	110	53-TY6-33-400355	12.3/10.9	-	-
450-225	631	860	5	120	53-TY6-33-450225	13.7/6.9	-	-
450-250	643	895	5	120	53-TY6-33-450250	13.7/7.7	-	-
450-280	658	937	5	120	53-TY6-33-450280	13.7/8.6	-	-
450-315	676	987	5	120	53-TY6-33-450315	13.7/9.37	-	-
450-355	696	1043	5	120	53-TY6-33-450355	13.7/10.9	-	-
450-400	718	1107	5	120	53-TY6-33-450400	13.7/12.3	-	-
500-250	699	949	8	140	53-TY6-33-500250	15.2/7.7	-	-
500-280	714	992	8	140	53-TY6-33-500280	15.2/8.6	-	-
500-315	735	1041	8	140	53-TY6-33-500315	15.2/9.7	-	-
500-355	751	1098	8	140	53-TY6-33-500355	15.2/10.9	-	-
500-400	774	1157	8	140	53-TY6-33-500400	15.2/12.3	-	-
500-450	799	1232	8	140	53-TY6-33-500450	15.2/13.7	-	-
560-280	776	1046	8	150	53-TY6-33-560280	17.0/8.6	-	-
560-315	793	1095	8	150	53-TY6-33-560315	17.0/9.7	-	-
560-355	821	1152	8	150	53-TY6-33-560355	17.0/10.9	-	-
560-400	836	1216	8	150	53-TY6-33-560400	17.0/12.3	-	-
560-450	861	1287	8	150	53-TY6-33-560450	17.0/13.7	-	-
560-500	886	1357	8	150	53-TY6-33-560500	17.0/15.2	-	-
630-315	853	1122	8	170	53-TY6-33-630315	19.1/9.7	-	-
630-355	873	1179	8	170	53-TY6-33-630355	19.1/10.9	-	-
630-400	895	1242	8	170	53-TY6-33-630400	19.1/12.3	-	-
630-450	920	1313	8	170	53-TY6-33-630450	19.1/13.7	-	-
630-500	945	1384	8	170	53-TY6-33-630500	19.1/15.2	-	-
630-560	975	1469	8	170	53-TY6-33-630560	19.1/17.0	-	-

PVDF(FRP COATED) CROSS

(Fabricated)
for butt welding
molded from PVDF
手工對接四通 **PVDF 披覆 FRP**
DFP TZ1



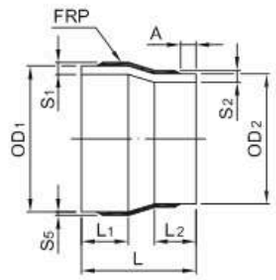
OD (mm)	H (mm)	L (mm)	S5 FRP (mm)	A (mm)	SDR33 ISO S16 PN10		SDR21 ISO S10 PN16	
					Code	S (mm)	Code	S (mm)
63	81.5	163	3	35	53-TZ1-33-0063	2.0	53-TZ1-21-0063	3.0
90	95.0	190	3	40	53-TZ1-33-0090	2.8	53-TZ1-21-0090	4.3
110	115.0	230	3	40	53-TZ1-33-0110	3.4	53-TZ1-21-0110	5.3
125	132.5	265	3	45	53-TZ1-33-0125	3.9	53-TZ1-21-0125	6.0
140	140.0	280	3	50	53-TZ1-33-0140	4.3	53-TZ1-21-0140	6.7
160	160.0	320	3	55	53-TZ1-33-0160	4.9	53-TZ1-21-0160	7.7
180	170.0	340	3	55	53-TZ1-33-0180	5.5	53-TZ1-21-0180	8.6
200	195.0	390	3	60	53-TZ1-33-0200	6.2	53-TZ1-21-0200	9.6
225	217.5	435	3	70	53-TZ1-33-0225	6.9	53-TZ1-21-0225	10.8
250	245.0	490	5	70	53-TZ1-33-0250	7.7	53-TZ1-21-0250	11.9
280	270.0	540	5	80	53-TZ1-33-0280	8.6	53-TZ1-21-0280	13.4
315	302.5	605	5	90	53-TZ1-33-0315	9.7	53-TZ1-21-0315	15.0
355	337.5	675	5	100	53-TZ1-33-0355	10.9	-	-
400	380.0	760	5	110	53-TZ1-33-0400	12.3	-	-
450	425.0	850	5	120	53-TZ1-33-0450	13.7	-	-
500	470.0	940	8	140	53-TZ1-33-0500	15.2	-	-
560	520.0	1040	8	150	53-TZ1-33-0560	17.0	-	-
630	565.0	1130	8	170	53-TZ1-33-0630	19.1	-	-

手工製品(Fabricated)

PVDF(FRP COATED) REDUCER

concentric,elongated
for butt welding
molded from PVDF

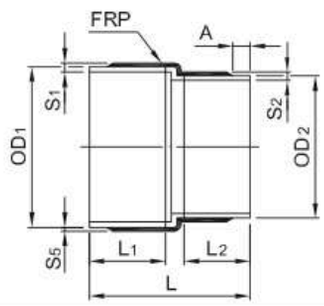
手工對接大小頭 **PVDF 披覆 FRP**
DFP RC1



OD1/OD2 (mm)	L (mm)	L1 (mm)	L2 (mm)	S5 FRP (mm)	A (mm)	SDR33 ISO S16 PN10		SDR21 ISO S10 PN16	
						Code	S1/S2 (mm)	Code	S1/S2 (mm)
25-20	50	20	20	2	25	-	-	53-RC1-21-025020	1.9/1.9
32-20	50	20	20	2	25	-	-	53-RC1-21-032020	2.4/1.9
32-25	50	20	20	2	30	-	-	53-RC1-21-032025	2.4/1.9
40-20	55	20	20	2	25	-	-	53-RC1-21-040020	2.4/1.9
40-25	55	20	20	2	30	-	-	53-RC1-21-040025	2.4/1.9
40-32	55	20	20	2	35	-	-	53-RC1-21-040032	2.4/2.4
50-20	60	24	20	2	25	-	-	53-RC1-21-050020	3.0/1.9
50-25	60	24	20	2	30	-	-	53-RC1-21-050025	3.0/1.9
50-32	60	24	20	2	35	-	-	53-RC1-21-050032	3.0/2.4
50-40	60	24	20	2	35	-	-	53-RC1-21-050040	3.0/2.4
63-25	65	25	20	3	30	-	-	53-RC1-21-063025	3.0/1.9
63-32	65	25	22	3	35	-	-	53-RC1-21-063032	3.0/2.4
63-40	65	25	22	3	35	-	-	53-RC1-21-063040	3.0/2.4
63-50	65	25	22	3	35	-	-	53-RC1-21-063050	3.0/3.0
75-40	68	25	24	3	35	-	-	53-RC1-21-075040	3.6/2.4
75-50	68	25	24	3	35	-	-	53-RC1-21-075050	3.6/3.0
75-63	68	25	24	3	35	-	-	53-RC1-21-075063	3.6/3.0
90-50	75	30	26	3	35	-	-	53-RC1-21-090050	4.3/3.0
90-63	75	30	26	3	35	53-RC1-33-090063	2.8/2.0	53-RC1-21-090063	4.3/3.0
90-75	75	30	26	3	40	53-RC1-33-090075	2.8/2.3	53-RC1-21-090075	4.3/3.6
110-63	90	35	30	3	35	53-RC1-33-110063	3.4/2.0	53-RC1-21-110063	5.3/3.0
110-75	90	35	30	3	40	53-RC1-33-110075	3.4/2.3	53-RC1-21-110075	5.3/3.6
110-90	90	35	30	3	40	53-RC1-33-110090	3.4/2.8	53-RC1-21-110090	5.3/4.3
125-110	100	40	35	3	40	53-RC1-33-120110	3.9/3.4	53-RC1-21-120110	6.0/5.3
140-125	110	45	40	3	45	53-RC1-33-140125	4.3/3.9	53-RC1-21-140125	6.7/6.0
160-110	130	60	40	3	40	53-RC1-33-160110	4.9/3.4	53-RC1-21-160110	7.7/5.3
160-140	130	60	40	3	50	53-RC1-33-160140	4.9/4.3	53-RC1-21-160140	7.7/6.7
180-160	130	60	40	3	55	53-RC1-33-180160	5.5/4.9	53-RC1-21-180160	8.6/7.7
200-160	140	60	40	3	55	53-RC1-33-200160	6.2/4.9	53-RC1-21-200160	9.6/7.7
225-160	150	60	40	3	55	53-RC1-33-225160	6.9/4.9	53-RC1-21-225160	10.8/7.7
225-200	150	60	50	3	60	53-RC1-33-225200	6.9/6.2	53-RC1-21-225200	10.8/9.6
250-225	170	70	60	5	70	53-RC1-33-250225	7.7/6.9	53-RC1-21-250225	11.9/10.8
280-250	180	80	60	5	70	53-RC1-33-280250	8.6/7.7	53-RC1-21-280250	13.4/11.9
315-280	220	90	80	5	80	53-RC1-33-315280	9.7/8.6	53-RC1-21-315280	15.0/13.4

PVDF(FRP COATED)REDUCER

(Fabricated)
concentric,elongated
for butt welding
molded from PVDF
手工對接大小頭 PVDF 披覆 FRP
DFP RC1

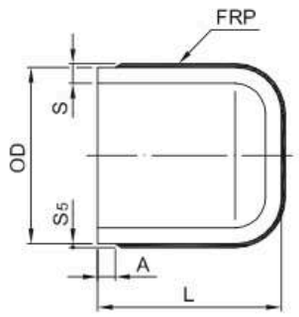


OD1/OD2 (mm)	L (mm)	L1 (mm)	L2 (mm)	S5 FRP (mm)	A (mm)	SDR33 ISO S16 PN10	
						Code	S1/S2 (mm)
355-180	318	180	110	5	55	53-RC1-33-355180	10.9/5.5
355-200	328	180	120	5	60	53-RC1-33-355200	10.9/6.2
355-225	328	180	120	5	70	53-RC1-33-355225	10.9/6.9
355-250	338	180	130	5	80	53-RC1-33-355250	10.9/7.7
355-280	358	180	150	5	80	53-RC1-33-355280	10.9/8.6
355-315	368	180	160	5	90	53-RC1-33-355315	10.9/9.7
400-200	358	210	120	5	60	53-RC1-33-400200	12.3/6.2
400-225	358	210	120	5	70	53-RC1-33-400225	12.3/6.9
400-250	368	210	130	5	70	53-RC1-33-400250	12.3/7.7
400-280	388	210	150	5	80	53-RC1-33-400280	12.3/8.6
400-315	398	210	160	5	90	53-RC1-33-400315	12.3/9.7
400-355	418	210	180	5	100	53-RC1-33-400355	12.3/10.9
450-225	398	250	120	5	70	53-RC1-33-450225	13.7/6.9
450-250	408	250	130	5	70	53-RC1-33-450250	13.7/7.7
450-280	428	250	150	5	80	53-RC1-33-450280	13.7/8.6
450-315	438	250	160	5	90	53-RC1-33-450315	13.7/9.7
450-355	458	250	180	5	100	53-RC1-33-450355	13.7/10.9
450-400	488	250	210	5	110	53-RC1-33-450400	13.7/12.3
500-250	438	280	130	8	70	53-RC1-33-500250	15.2/7.7
500-280	458	280	150	8	80	53-RC1-33-500280	15.2/8.6
500-315	468	280	160	8	90	53-RC1-33-500315	15.2/9.7
500-355	488	280	180	8	100	53-RC1-33-500355	15.2/10.9
500-400	518	280	210	8	110	53-RC1-33-500400	15.2/12.3
500-450	558	280	250	8	120	53-RC1-33-500450	15.2/13.7
560-280	478	300	150	8	80	53-RC1-33-560280	17.0/8.6
560-315	488	300	160	8	90	53-RC1-33-560315	17.0/9.7
560-355	508	300	180	8	100	53-RC1-33-560355	17.0/10.9
560-400	538	300	210	8	110	53-RC1-33-560400	17.0/12.3
560-450	578	300	250	8	120	53-RC1-33-560450	17.0/13.7
560-500	608	300	280	8	140	53-RC1-33-560500	17.0/15.2
630-315	538	350	160	8	90	53-RC1-33-630315	19.1/9.7
630-355	558	350	180	8	100	53-RC1-33-630355	19.1/10.9
630-400	588	350	210	8	110	53-RC1-33-630400	19.1/12.3
630-450	628	350	250	8	120	53-RC1-33-630450	19.1/13.7
630-500	658	350	280	8	140	53-RC1-33-630500	19.1/15.2
630-560	678	350	300	8	150	53-RC1-33-630560	19.1/17.0

PVDF(FRP COATED) CAP

elongated
for butt welding
molded from PVDF

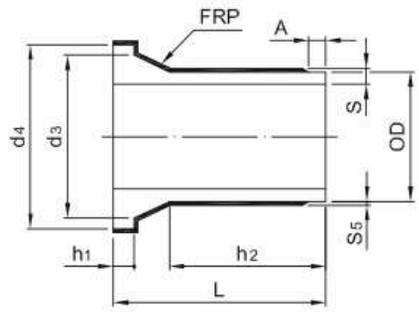
對接管帽 **PVDF 披覆 FRP**
DFP CP1



OD (mm)	L1 (mm)	L (mm)	S5 FRP (mm)	A (mm)	SDR33 ISO S16 PN10		SDR21 ISO S10 PN16	
					Code	S (mm)	Code	S (mm)
20	30.0	42.0	2	25	-	-	53-CP1-21-0020	1.9
25	35.0	50.0	2	30	-	-	53-CP1-21-0025	1.9
32	40.0	55.0	2	35	-	-	53-CP1-21-0032	2.4
40	40.0	60.0	2	35	-	-	53-CP1-21-0040	2.4
50	40.0	60.0	2	35	-	-	53-CP1-21-0050	3.0
63	50.0	70.0	3	35	53-CP1-33-0063	2.0	53-CP1-21-0063	3.0
75	55.0	80.0	3	40	53-CP1-33-0075	2.3	53-CP1-21-0075	3.6
90	60.0	90.0	3	40	53-CP1-33-0090	2.8	53-CP1-21-0090	4.3
110	65.0	100.0	3	40	53-CP1-33-0110	3.4	53-CP1-21-0110	5.3
125	70.0	110.0	3	45	53-CP1-33-0125	3.9	53-CP1-21-0125	6.0
140	106.0	142.0	3	50	53-CP1-33-0140	4.3	53-CP1-21-0140	6.7
160	118.5	167.0	3	55	53-CP1-33-0160	4.9	53-CP1-21-0160	7.7
180	141.0	191.0	3	55	53-CP1-33-0180	5.5	53-CP1-21-0180	8.6
200	127.0	181.0	3	60	53-CP1-33-0200	6.2	53-CP1-21-0200	9.6
225	141.5	210.0	3	70	53-CP1-33-0225	6.9	53-CP1-21-0225	10.8
250	152.0	230.0	5	70	53-CP1-33-0250	7.7	53-CP1-21-0250	11.9
280	162.0	257.0	5	80	53-CP1-33-0280	8.6	53-CP1-21-0280	13.4
315	180.0	262.0	5	90	53-CP1-33-0315	9.7	53-CP1-21-0315	15.0
355	75.0	130.0	5	100	53-CP3-33-0355	10.9	-	-
400	75.0	130.0	5	110	53-CP3-33-0400	12.3	-	-
450	75.0	130.0	5	120	53-CP3-33-0450	13.7	-	-
500	75.0	130.0	8	140	53-CP3-33-0500	15.2	-	-
560	75.0	130.0	8	150	53-CP3-33-0560	17.0	-	-
630	100.0	160.0	8	170	53-CP3-33-0630	19.1	-	-

PVDF(FRP COATED) STUB FLANGE

for butt welding
molded from PVDF
coated with FRP
對接中間法蘭 **PVDF 披覆 FRP**
DFP FT1



OD (mm)	d_3 (mm)	d_4 (mm)	L (mm)	h_2 (mm)	FRP (mm)	A (mm)	SDR17.6 ISO S8.3 PN6			SDR11 ISO S5 PN10		
							Code	s (mm)	h_1 (mm)	Code	s (mm)	h_1 (mm)
20	28	45	50	29	2	25	-	-	-	53-FT1-21-0020	1.9	7
25	34	58	50	29	2	30	-	-	-	53-FT1-21-0025	1.9	9
32	41	68	50	26	2	35	-	-	-	53-FT1-21-0032	2.4	10
40	51	78	50	23	2	35	-	-	-	53-FT1-21-0040	2.4	11
50	61	88	50	23	2	35	-	-	-	53-FT1-21-0050	3.0	12
63	73.6	102	50	19	3	35	53-FT1-33-0063	2.0	14	53-FT1-21-0063	3.0	14
75	87.5	122	50	19	3	40	53-FT1-33-0075	2.3	16	53-FT1-21-0075	3.6	16
90	104	138	80	41	3	40	53-FT1-33-0090	2.8	17	53-FT1-21-0090	4.3	17
110	128.5	158	80	38	3	40	53-FT1-33-0110	3.4	18	53-FT1-21-0110	5.3	18
125	135	158	175	102	3	45	53-FT1-33-0125	3.9	25.5	53-FT1-21-0125	6.0	25.5
140	155	191	197.5	129.7	3	50	53-FT1-33-0140	4.3	27.4	53-FT1-21-0140	6.7	27.4
160	175.8	211.8	160.5	110	3	55	53-FT1-33-0160	4.9	26.2	53-FT1-21-0160	7.7	26.2
180	186	217	180	127	3	55	53-FT1-33-0180	5.5	26.5	53-FT1-21-0180	8.6	26.5
200	229	268	213	144	3	60	53-FT1-33-0200	6.2	31.5	53-FT1-21-0200	9.6	31.5
225	237	268	213	144	5	70	53-FT1-33-0225	6.9	33	53-FT1-21-0225	10.8	33
250	284	320	273	205	5	70	53-FT1-33-0250	7.7	34	53-FT1-21-0250	11.9	34
280	292	320	375	303.5	5	80	53-FT1-33-0280	8.6	32	53-FT1-21-0280	13.4	32
315	334	371	375	303.5	5	90	53-FT1-33-0315	9.7	35	53-FT1-21-0315	15.0	35
355	373	430	175	-	5	100	53-FT1-33-0355	10.9	40	53-FT1-21-0355	16.9	40
400	427	482	175	-	5	110	53-FT1-33-0400	12.3	40	53-FT1-21-0400	19.0	400
450	514	585	180	-	5	120	53-FT1-33-0450	13.7	50	53-FT1-21-0450	21.4	50
500	530	585	180	-	8	140	53-FT1-33-0500	15.2	50	53-FT1-21-0500	23.8	50
560	615	685	180	-	8	150	53-FT1-33-0560	17.0	55	53-FT1-21-0560	26.7	55
630	642	685	200	-	8	170	53-FT1-33-0630	19.1	55	53-FT1-21-0630	30.0	556

INSTALLATION 安裝

Pipes support distances
管支撐距離

Support distances depend on the strength properties of the pipe material, on the pipe dimensions, weight of flow medium, operating temperature and arrangement of the pipes.

管子的支撐距離依據管材的強度特質，管子口徑，流體重量，使用溫度，及管子的佈置。

The support distances given in the table refer to a flow medium with a density of lg/cm and to horizontally laid pipes (in accordance to DVS guideline 2210, Part 1)

表中的支撐距離是依據DVS 2210, Part 1 的流體比重1g/cm及管子平行放置。

On calculating the support distances, a maximum deflection of L/500 to L/750 between the two pipe clips has been taken as basis.

在計算支撐距離時，兩管夾的最大偏斜為L/500-L/750做基準。

1)..Futher conversion in concern to the other pressure rates for water, as decribed below, are not necessary.

1).進一步有關其他水壓等如下表所示的轉換因素並不需要。

Support distance for pipes out of PVDF SDR 33
支撐距離為對PVDF SDR33管標準

Pipe dimension (mm)	max. support distances(mm) 最大支撐距離					
	20℃	40℃	60℃	80℃	100℃	120℃
16(3/8")	725	650	570	500	450	400
20(1/2")	850	750	700	600	500	450
25(3/4")	950	850	750	675	600	500
32(1")	1100	1000	900	800	700	600
40(1-1/4")	1200	1100	1000	900	750	650
50(1-1/2")	1400	1300	1150	1000	900	750
63(2")	1400	1300	1200	1100	950	800
75(2-1/2")	1500	1400	1300	1200	1050	850
90(3")	1600	1500	1400	1300	1100	950
110(4")	1800	1700	1550	1450	1250	1100
125(4-1/2")	1900	1800	1650	1500	1350	1200
140(5")	2000	1900	1750	1600	1450	1250
160(6")	2150	2050	1850	1700	1550	1350
180(7")	2300	2150	1950	1800	1600	1400
200(8")	2400	2250	2100	1900	1700	1500
225(9")	2550	2400	2200	2000	1800	1600
250(10")	2650	2500	2300	2100	1900	1700
280(11")	2850	2650	2450	2250	2000	1800
315(12")	3000	2850	2600	2400	2150	1900
355(13")	3200	3000	2750	2500	2250	2000
400(14")	3400	3200	2950	2650	2400	2100

Conversion factors for support distances

(acc DVS 2210, table 18) For other SDR-rows, materials and fluids, conversion factors in the table below can be applied.
(new support distance L=L xf xf)

支撐距離的轉換因素：
(依據DVS 2210 table 18)，其他SDR規格，材質，流體的轉換系數可適用右表)

Material 材質	SDR	Wall thickness 壁厚	Fluid 流體			
			Gases 氣體	Water 水	Other 其他	
			Denslty (g/cm³) 比重			
			<0.01	1.00	1.25	1.50
Conversion factor 轉換系數		F2	F1			
PVDF	33	1.00	1.48	1.0	0.96	0.92
	21	1.08	1.36			
	17	1.12	1.31			