PVC（用戶接管）
污水管・配件
PIPES / FITTING

PRODUCTS ARE GOOD AT CORRSION

大發管材工業股份有限公司
DURA FLOW PIPE IND. CO., LTD.

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DFP-200906

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

SHIE. YU

DURA FLOW

公司簡介

大發管材工業股份有限公司是屬協羽機材工業集團旗下公司，專業製造生產各種塑膠管、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ISO 9001認證及美國衛生協會認證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。另PP-H、PVDF產品正式生產無塵室所使用超純水HP-PP、HP-PVDF 潔淨管、配件及閥門。

產品三大特色

1. 生產材質最齊全：有UPVC、HIW-PVC、CPVC (HT-PVC)、HD-PE、PP-H、ABS、PVDF等七種原料製造。不同生產設備在同一工廠生產目前是世界唯一。
2. 生產尺寸規格最大最齊全:生產尺寸UPVC1/2"~24"、HIW- PVC 1/2"~24"、CPVC (HT-PVC) 1/2"~24"、HD-PE §12~§1200mm、PP-H §12 ~§1200 mm、ABS §12 ~§630 mm、PVDF §12 ~§630 mm，生產規格符合世界各國使用，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，或其它客戶指定之特殊規格均可供應。
3. 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。

產品廣泛使用在化工用管、工業用管及半導體用管、重大公共工程用管上如電力公司潛鑽工程用管、自來水用管、電信寬頻及交控用管、瓦斯用管、污水用管、溫泉用管、海上養殖用管、及半導體潔淨用管等均大量採用，目前更與台塑關係企業、中鋼、欣桃瓦斯、新營瓦斯、等等…訂有年度統購合約，並為其它國內各大營造廠、化學工廠與半導體業、電子業及海內外國際市場50幾個國家等特別指定採用，並獲得一致好評。

董事長 蔡添壽 CHAIRMAN TSAI TIEN-SHOU

Company Profile

DURA FLOW PIPE INDUSTRIAL CO. LTD., is an affiliate of the SHIE YU MACHINE GROUP, and was established to manufacture all kinds of plastic pipes, accessories and valves for professional applications. Incorporated in 1972, the SHIE YU GROUP has been involving in the fields of chemical engineering, electronic industry and public works, and our quality and techniques have attained international standards. Currently, DURA FLOW PIPE INDUSTRIAL CO. LTD., possesses two factories under which some 246 employees are hired, and the certifications granted for our factories include ISO9001 and NSF of the American Public Health Association (APHA) together with 9 authentic marks for CNS certification and the environmental protection badge issued by Environmental Protection Administration of the Executive Yuan. In addition, our PP-H and PVDF factories have also launched the manufacturing of pure-water HP-PP, HP-PVDF cleaning pipe,

Three main product features:

1. Complete range of production materials: We provide the production of UPVC, HIW-PVC, CPVC (HT-PVC), HD-PE, PP-H, ABS and PVDF, and we are the only company of the world that uses different production equipment in one factory.
2. Largest and most complete range of production specifications: The dimensions of production include UPVC 1/2"~24", HIW-PVC 1/2"~24", CPVC(HT-PVC) 1/2"~24",HD-PE §12~§1200mm, PP-H §12~§1200mm, ABS §12~§630mm and PVDF §12 ~ 630mm. Our production specifications meet the requirements of relevant world standards, such as JIS, ANSI SCH80, SCH40, DIN PN2.5 to PN30 and BS specifications. Further, we also provide special specifications designated by the customer.
3. Straight pipes, accessories and valves are manufactured by the same factory and supplied through all-area product chain. As such, we are the fully equipped supplier that can satisfy the customers by providing the best one-stop services.

Our pipes are widely used in chemical engineering, industrial, semiconductor, major public work sectors, such as the drilling pipes of the Taiwan Power Company, tap water pipes, telecommunication broadband and traffic control pipes, gas pipes, sewage pipes, hot spring pipes, sea fishery pipes, and semiconductor cleaning pipes, etc. Further we also signed yearly procurement contracts with the subsidiaries of Formosa Plastic Co., Ltd., China Steel Corporation, Shin Tao Gas Co., Ltd. and Shin Yin Gas Co., Ltd., and our products have also been specially designated by domestic major construction companies, chemical plants, semiconductor firms and electronic firms, as well as major companies in over 50 countries, with positive affirmation.

創新研發

我們應用先進技術，創新研發保有競爭力，針對生產製造不斷的提升，使產品呈現國際水準。再加上自有的模具廠（有完整的全套開模的軟，硬體設備）及專業的設計及技術人員，整個研發團隊提供快速精確之模具設計生產來滿足客戶及市場的需求。並與國際知名品牌廠商建立 OEM、ODM設計生產合作，建立良好的密切互動關係。

INNOVATION AND R&D

INNOVATION AND R&D

We maintain our competitiveness by the application of advanced technology and innovative research and development. Further, action has also been taken to enhance our capacity in manufacturing so as to present world-class product quality. With in-house mold factory (provided with complete range of mold developing software and hardware equipment) as well as professional design and technicians, our R&D Team provide fast, accurate mold design and development to meet customer and market demands. In addition, we also developed OEM, ODM design and fabrication cooperation programs with world- famed brands and have established well-based mutual interaction relationship.

QUILITY CONTROL

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，尤其是生產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，以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.

ADVANCED EQUIPMENT

OPERATIONAL OUTLOOK

經營展望

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、配件及閥門的專業領域上，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進動力，我們以達成客戶滿意為最大目標，因此國內外各大工程公司及民營企業均成為我們長期客戶，並與國外知名品牌廠商建立OEM良好合作關係並大量生產供應。我們的職志將+DFP+產品成為國際各種塑膠管、配件，閥門的優良品牌。產品將滿足客戶獲得最大的肯定。

Operational Outlook

Abiding by the conviction of "Quality First", "Technology Oriented" and "Customer Satisfaction", our well-planned service team has been organized by DFP for distributing our products to the world. On this basis, it is our wish to provide a more complete product series that offers the best choices in the professional field of plastic pipes, accessories and valves. Customer demand is the key driving force to our progress and we put customer satisfaction as our ultimate goal. For this reason, we are able to establish long-term business relationship with major construction companies and private firms in local and overseas marketplaces. Further, we have also maintained mutual OEM cooperation relationship with famed overseas brands in carrying out massive production and supply. Our final goal is to develop +DFP+ product" as a representing name for excellent brand in the field of plastic pipes, accessories and valves in international market. To this extent, our products will satisfy every customer.

CERTIFICATE

產品認證

產品通過認證如下:

*全生產廠全部通過ISO9001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總號	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硬質管
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	K3012	自來水用聚乙烯塑膠管
2458	K3013	化學工業及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

Listed below are certifications honored for our products:

- All our factories have been honored with ISO9001 Certification.
- One factory qualified for NSF certification.
- One factory honored with the environmental
- protection badge by the Environmental Protection Administration of the Executive Yuan.
- 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	K3012	Tap Water PE Pipe
2458	K3013	Chemical Industry and General Purpose HDPE Pipe
12835	K3097	Natural Gas PE Pipe
13158	K3102	Tap Water ABS Pipe

污水管目錄索引

公司簡介 COMPANY PROFILE	1
目錄索引 CATALOGUE INDEX	6
物理特性 MATERIAL PROPERTIES	7
污水管尺寸規格表 PVC PIPE FOR SEWER	8
三通規格表 TEE	9
異徑三通規格表 REDUCER TEE	10
順T規格表 SANITARY TEE	11
Y三通規格表 WYE	12
90度彎頭規格表 ELBOWS 90°	13
45度彎頭規格表 ELBOWS 45°	14
平接頭規格表 COUPLING	15
大小頭規格表 REDUCER COUPLING	16
管帽規格表 CAP	17
樓板接頭+P型存水接頭規格表 SLAB JOINT / "P" TRAP WITH SOLVENT WELD JOINT AND CLEANOUT PLUG	18
清除孔接頭規格表 CLEANOUT BUSHING	19
污水防臭接頭+嵌合不鏽鋼清除孔接頭規格表 JUNCTION WITH ODOR TRAP / CLEANOUT BUSHING OF INSERT STAIN-LESS	20
大月彎規格表規格表、膠水 BIG BEND / SOLVENT CEMENT	21
連接管陰井 CONNECTION ADAPTER TO THE DRAIN-RESERVOIR	22
匯流接頭 MULTIPLE DRAINERS COLLECTION ADAPTER	23
施工規範 INSTALLATION	25

污水管
(PVC pipe for Sewer)

●物理特性(Purpose Physical Properties)

●試驗標準(Test standard)：CNS 1298 K3004

試驗項目 (Test Items)		品質標準 (Quality standards)
拉力強度試驗 (Tensile Strength Test)		在20°C時為49Mpa(500kgf/cm²)以上 when 20°C above 49Mpa(500kgf/cm²)
壓扁試驗 (Flattening Test)		不破裂(Non-broken)
浸漬試驗 (Immersion Test)	蒸餾水 (Distilled Water)	±0.2mg/cm² 以內 (below ±0.2mg/cm²)
	10%氯化鈉溶液 10% (Sodium chloride Solution)	±0.2mg/cm² 以內 (below ±0.2mg/cm²)
	30%硫酸溶液 30% (Sulfuric Acid Solution)	±0.2mg/cm² 以內 (below ±0.2mg/cm²)
	40%氫氧化鈉溶液 40% (Sodium Hydroxide Solution)	±0.2mg/cm² 以內 (below ±0.2mg/cm²)
	40%硝酸溶液 40% (Nitric Acid Solution)	±0.2mg/cm² 以內 (below ±0.2mg/cm²)

PVC污水管
(塑膠管·接頭)PIPE FITTING

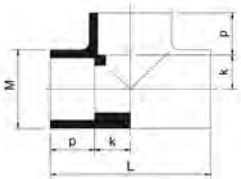
污水管
(PVC pipe for Sewer)

標稱管徑 Nominal Pipe Size		外徑及許可差 Outside Diameter and Tolerance	厚度 Wall Thick ness		近似內徑(參考) Approx. inside Diameter	質量(參考) Approx. Weight (kg/M)	20°C許可操作壓力 Allo w working Pressure at 20°C(kgf/cm)	長度 Length (M)	code
(mm)	(inch)		最小 Minimum	許可差 Tolerance					
40	1-1/2"	48±0.4	3.6	+0.8	40	0.795	10	4 M	14-PIO-JS-0040
50	2"	60±0.5	4.1	+0.8	51	1.130	9.0	4 M	14-PIO-JS-0050
65	2-1/2"	76±0.5	4.1	+0.8	67	1.450	8.0	5 M	14-PIO-JS-0065
80	3"	89±0.5	5.1	+0.8	78	2.070	8.0	5 M	14-PIO-JS-0080
90	3-1/2"	100±0.6	5.6	+0.8	88	2.540	8.0	5 M	14-PIO-JS-0090
100	4"	114±0.6	6.6	+1.0	100	3.420	8.0	5 M	14-PIO-JS-0100
125	5"	140±0.8	7.0	+1.0	125	4.490	7.5	5 M	14-PIO-JS-0125
150	6"	165±1.0	8.5	+1.4	148	6.460	7.5	5 M	14-PIO-JS-0150
200	8"	216±1.3	10.5	+1.4	194	10.340	7.5	5 M	14-PIO-JS-0200
250	10"	267±1.6	13.0	+1.8	240	15.860	7.5	5 M	14-PIO-JS-0250
300	12"	318±1.9	15.5	+2.2	286	22.560	7.5	5 M	14-PIO-JS-0300
350	14"	370±2.2	18.0	+2.6	333	30.520	7.5	5 M	14-PIO-JS-0350
400	16"	420±2.6	20.5	+3.0	378	39.480	7.5	5 M	14-PIO-JS-0400
450	18"	470±3.0	22.9	+3.4	423	49.400	7.5	5 M	14-PIO-JS-0450
500	20"	520±3.5	25.3	+3.8	468	60.440	7.5	5 M	14-PIO-JS-0500
600	24"	630±4.0	30.7	+4.0	567	88.070	7.5	5 M	14-PIO-JS-0600

※ 1. 外徑係指任意互相垂直兩外徑之算術平均值。
2. 下水道及建築物污水用管為橘紅色。

※ 1. Average O.D. refers to the arithmetic mean value of any two given O.D. at the right angle to each other.
2. PVC pipes for sewerage and sewer lines are reddish-orange.

TEE
三通
DFP TT3



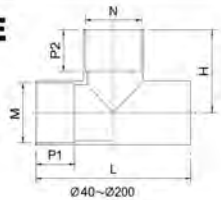
Ø40～Ø250

Size (mm)	Size (inch)	M ±1 (mm)	L ±1 (mm)	k (mm)	P (mm)	Code
40	1-1/2"	57.3	164	27	55	14-TT3-JS-0040
50	2"	70.2	192	33	63	14-TT3-JS-0050
65	2-1/2"	86.4	220	41	69	14-TT3-JS-0065
80	3"	100.7	240	48	72	14-TT3-JS-0080
100	4"	129.0	304	60	92	14-TT3-JS-0100
125	5"	156.0	376	76	112	14-TT3-JS-0125
150	6"	183.0	456	88	140	14-TT3-JS-0150
200	8"	237.0	575	115.5	172	14-TT3-JS-0200
250	10"	292.0	650	140.0	185	14-TT3-JS-0250

※ 下水道用為橘紅色
※ Sewerage use are reddish-orange color.

PVC污水管
(塑膠管·接頭)PIPE FITTING

REDUCER TEE
異徑三通
DFP TR2



Ø40～Ø200

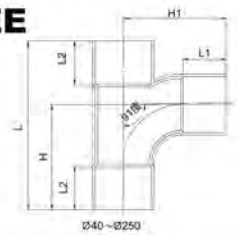
Size (mm)	Size (inch)	L (mm)	M (mm)	N (mm)	P1 (mm)	H (mm)	P2 (mm)	Code
40x16	1-1/2"x1/2"	136	57.3	29.1	56	55	30	14-TR2-JS-040016
40x20	1-1/2"x3/4"	140	57.3	33.2	62	55	35	14-TR2-JS-040020
40x25	1-1/2"x1" W	146	57.3	39.2	67	55	40	14-TR2-JS-040025
40x28	1-1/2"x1"	150	57.3	41.1	67	55	40	14-TR2-JS-040028
40x30	1-1/2"x1-1/4" W	152	57.3	46.4	71	55	44	14-TR2-JS-040030
40x35	1-1/2"x1-1/4"	158	57.3	50.3	71	55	44	14-TR2-JS-040035
50x16	2"x1/2"	152	70.2	29.1	64	63	30	14-TR2-JS-050016
50x20	2"x3/4"	152	70.2	33.2	68	63	35	14-TR2-JS-050020
50x25	2"x1" W	162	70.2	39.2	73	63	40	14-TR2-JS-050025
50x28	2"x1"	164	70.2	41.1	74	63	40	14-TR2-JS-050028
50x40	2"x1-1/2"	180	70.2	57.3	88	63	55	14-TR2-JS-050040
65x40	2-1/2"x1-1/2"	192	86.4	57.3	96	69	55	14-TR2-JS-065040
65x50	2-1/2"x2"	204	86.4	70.2	104	69	63	14-TR2-JS-065050
80x20	3"x3/4"	180	101.2	33.2	82	72	35	14-TR2-JS-080020
80x28	3"x1"	188	101.2	41.1	87	72	40	14-TR2-JS-080028
80x40	3"x1-1/2"	200	101.2	57.3	102	72	55	14-TR2-JS-080040
80x50	3"x2"	210	101.2	70.2	110	72	63	14-TR2-JS-080050
80x65	3"x2-1/2"	226	101.2	86.4	117	72	69	14-TR2-JS-080065
100x50	4"x2"	250	129.0	70.2	122	92	63	14-TR2-JS-100050
100x80	4"3"	280	129.0	101.2	132	92	72	14-TR2-JS-100080
125x80	5"x3"	320	156.0	101.2	148	112	72	14-TR2-JS-125080
125x100	5"x4"	348	156.0	129.0	168	112	92	14-TR2-JS-125100
150x100	6"x4"	404	183.0	129.0	182	140	92	14-TR2-JS-150100
150x125	6"x5"	426	183.0	156.0	200	140	112	14-TR2-JS-150125
200x100	8"x4"	472	237.0	129.0	204	172	92	14-TR2-JS-200100
200x150	8"x6"	528	237.0	183.0	252	172	140	14-TR2-JS-200150

※ 下水道用管為橘紅色。
※ Sewerage use are reddish-orange color.

SANITARY TEE

順T接頭

DFP L96



Size (mm)	Size (inch)	L_2 (mm)	L_1 (mm)	H (mm)	H_1 (mm)	L (mm)	Code
40 x 40	1-1/2"x1-1/2"	55	55	111	111	180	14-L96-JS-040040
50 x 40	2"x1-1/2"	63	55	114	118	192	14-L96-JS-050040
50 x 50	2"x2"	63	63	114	127	200	14-L96-JS-050050
65 x 65	2-1/2"x2-1/2"	68	68	132	140	234	14-L96-JS-065065
80 x 50	3"x2"	72	63	140	145	235	14-L96-JS-080050
80 x 80	3"x3"	72	72	177	172	280	14-L96-JS-080080
100 x 50	4"x2"	92	63	154	152	270	14-L96-JS-100050
100 x 80	4"x3"	92	72	194	182	318	14-L96-JS-100080
100 x 100	4"x4"	92	92	224	219	355	14-L96-JS-100100
125 x 80	5"x3"	112	72	235	198	350	14-L96-JS-125080
125 x 100	5"4"	112	92	235	218	388	14-L96-JS-125100
125x125	5"x5"	112	112	252	233	416	14-L96-JS-125125
150 x 50	6"x2"	140	63	215	180	420	14-L96-JS-150050
150 x 80	6"x3"	130	72	230	207	420	14-L96-JS-150080
150 x 100	6"x4"	130	92	246	234	425	14-L96-JS-150100
150x125	6"x5"	140	112	273	252	468	14-L96-JS-150125
150x150	6"x6"	140	140	290	295	495	14-L96-JS-150150
200 x 50	8"x2"	172	63	245	210	440	14-L96-JS-200050
200 x 80	8"x3"	172	72	265	235	470	14-L96-JS-200080
200 x 100	8"x4"	172	92	262	263	510	14-L96-JS-200100
200x150	8"x6"	172	140	307	320	560	14-L96-JS-200150
200x200	8"x8"	172	172	347	360	615	14-L96-JS-200200
250x150	10"x6"	185	140	332	345	588	14-L96-JS-250150

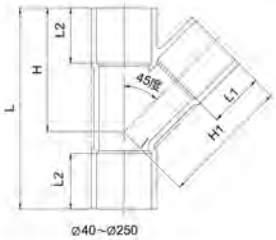
※ 下水道用管為橘紅色。
※ Sewerage use are reddish-orange color.

PVC污水管
(塑膠管·接頭)PIPE FITTING

45 WYE

45 Y型接頭

DFP TY6



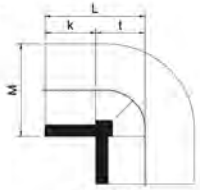
Size (mm)	Size (inch)	L_2 (mm)	L_1 (mm)	H (mm)	H_1 (mm)	L (mm)	Code
40 x 40	1-1/2"x1-1/2"	55	55	116	119	185	14-TY6-JS-040040
50 x 40	2"x1-1/2"	63	55	132	128	202	14-TY6-JS-050040
50 x 50	2"x2"	63	63	141	142	220	14-TY6-JS-050050
65 x 65	2-1/2"x2-1/2"	68	68	164	164	249	14-TY6-JS-065065
80 x 50	3"x2"	72	63	164	164	249	14-TY6-JS-080050
80 x 80	3"x3"	72	72	180	188	280	14-TY6-JS-080080
100 x 50	4"x2"	92	63	195	185	285	14-TY6-JS-100050
100 x 80	4"x3"	92	72	213	202	319	14-TY6-JS-100080
100 x 100	4"x4"	92	92	230	240	355	14-TY6-JS-100100
125 x 80	5"x3"	112	72	252	216	372	14-TY6-JS-125080
125 x 100	5"4"	112	92	272	252	415	14-TY6-JS-125100
125x125	5"x5"	112	112	282	292	434	14-TY6-JS-125125
150 x 50	6"x2"	140	63	270	228	385	14-TY6-JS-150050
150 x 80	6"x3"	130	72	282	240	412	14-TY6-JS-150080
150 x 100	6"x4"	130	92	294	274	435	14-TY6-JS-150100
150x125	6"x5"	140	112	322	310	500	14-TY6-JS-150125
150x150	6"x6"	140	140	344	352	530	14-TY6-JS-150150
200 x 50	8"x2"	172	63	327	258	445	14-TY6-JS-200050
200 x 80	8"x3"	172	72	345	282	485	14-TY6-JS-200080
200 x 100	8"x4"	172	92	362	316	520	14-TY6-JS-200100
200x150	8"x6"	172	140	400	394	600	14-TY6-JS-200150
200x200	8"x8"	172	172	448	433	690	14-TY6-JS-200200
250x150	10"x6"	185	140	450	430	625	14-TY6-JS-250150

※ 下水道用管為橘紅色。
※ Sewerage use are reddish-orange color.

ELBOWS 90°

90° 彎頭

DFP L92



Ø40～Ø250

Size (mm)	Size (inch)	M±1 (mm)	k±1 (mm)	t (mm)	L (mm)	Code
40	1-1/2"	57.3	55	27	82	14-L92-JS-0040
50	2"	70.2	63	33	96	14-L92-JS-0050
65	2-1/2"	86.4	69	41	110	14-L92-JS-0065
80	3"	100.7	72	48	120	14-L92-JS-0080
100	4"	129.0	92	60	152	14-L92-JS-0100
125	5"	156.0	112	76	188	14-L92-JS-0125
150	6"	183.0	140	88	228	14-L92-JS-0150
200	8"	237.0	172	56	228	14-L92-JS-0200
250	10"	292.0	185	141	326	14-L92-JS-0250

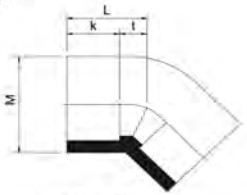
※ 下水道用管為橘紅色。
※ Sewerage use are reddish-orange color.

PVC污水管
(塑膠管·接頭)PIPE FITTING

ELBOWS 45°

45° 彎頭

DFP L46

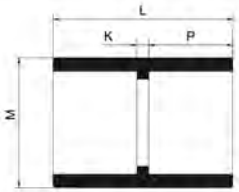


Ø40～ Ø250

Size (mm)	Size (inch)	M±1 (mm)	k (mm)	t±1 (mm)	L (mm)	Code
40	1-1/2"	57.3	55	14	69	14-L46-JS-0040
50	2"	70.2	63	17	80	14-L46-JS-0050
65	2-1/2"	86.4	69	21	90	14-L46-JS-0065
80	3"	100.7	72	23	95	14-L46-JS-0080
100	4"	129.0	92	29	121	14-L46-JS-0100
125	5"	156.0	112	38	150	14-L46-JS-0125
150	6"	183.0	140	46	186	14-L46-JS-0150
200	6"	237.0	172	52	224	14-L46-JS-0200
250	10"	292.0	185	63	248	14-L46-JS-0250

※ 下水道用管為橘紅色。
※ Sewerage use are reddish-orange color.

COUPLING
平接頭
DFP CL2



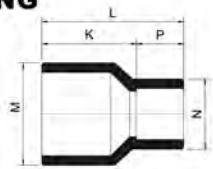
Ø40~Ø250

Size (mm)	Size (inch)	M±1 (mm)	k±1.5 (mm)	P (mm)	L±1.5 (mm)	Code
40	1-1/2"	57.3	7.2	55.4	118.0	14-CL2-JS-0040
50	2"	70.2	6.4	63.6	133.6	14-CL2-JS-0050
65	2-1/2"	86.4	9.4	69.3	148.0	14-CL2-JS-0065
80	3"	100.7	10.0	73.0	156.0	14-CL2-JS-0080
100	4"	129.0	16.0	92.0	200.0	14-CL2-JS-0100
125	5"	156.0	11.0	112.0	235.0	14-CL2-JS-0125
150	6"	183.0	20.0	140.0	300.0	14-CL2-JS-0150
200	8"	237.0	16.0	172.0	360.0	14-CL2-JS-0200
250	10"	292.0	30.0	185.0	400.0	14-CL2-JS-0250

※ 下水道用管為橘紅色。
※ Sewerage use are reddish-orange color.

PVC污水管
(塑膠管·接頭)PIPE FITTING

REDUCER COUPLING
大小頭
DFP RC2

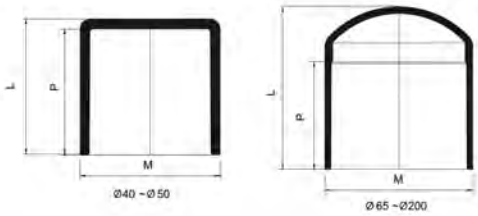


Ø40~Ø250

Size (mm)	Size (inch)	M (mm)	N (mm)	K (mm)	P (mm)	L (mm)	Code
40x16	1-1/2"x1/2"	57.3	29.1	83.8	30.4	114.2	14-RC2-JS-040016
40x20	1-1/2"x3/4"	57.3	33.2	74.9	35.3	110.2	14-RC2-JS-040020
40x28	1-1/2"x1"	57.3	41.1	71.8	40.8	112.6	14-RC2-JS-040028
40x35	1-1/2"x1-1/4"	57.3	50.3	63.5	44.5	108.0	14-RC2-JS-040035
50x16	2"x1/2"	70.2	29.1	90.0	30.0	120.0	14-RC2-JS-050016
50x20	2"x3/4"	70.2	33.2	97.0	38.0	135.0	14-RC2-JS-050020
50x28	2"x1"	70.2	41.1	92.0	45.0	137.0	14-RC2-JS-050028
50x35	2"x1-1/4"	70.2	50.3	92.0	44.0	136.0	14-RC2-JS-050035
50x40	2"x1-1/2"	70.2	57.3	81.0	55.0	136.0	14-RC2-JS-050040
65x40	2-1/2"x1-1/2"	86.4	57.3	95.0	55.0	150.0	14-RC2-JS-065040
65x50	2-1/2"x2"	86.4	70.2	85.0	70.0	155.0	14-RC2-JS-065050
80x40	3"x1-1/2"	101.2	57.3	110.0	55.0	165.0	14-RC2-JS-080040
80x50	3"x2"	101.2	70.2	102.0	63.0	165.0	14-RC2-JS-080050
80x65	3"x2-1/2"	101.2	86.4	96.0	69.0	165.0	14-RC2-JS-080065
100x40	4"x1-1/2"	129.0	57.3	135.0	55.0	190.0	14-RC2-JS-100040
100x50	4"x2"	129.0	70.2	145.0	63.0	208.0	14-RC2-JS-100050
100x80	4"x3"	129.0	101.2	118.0	72.0	190.0	14-RC2-JS-100080
125x100	5"x4"	156.0	129.0	133.0	92.0	225.0	14-RC2-JS-125100
150x80	6"x3"	183.0	101.2	187.0	73.0	260.0	14-RC2-JS-150080
150x100	6"x4"	183.0	129.0	188.0	92.0	280.0	14-RC2-JS-150100
150x125	6"x5"	183.0	156.0	183.0	112.0	295.0	14-RC2-JS-150125
200x100	8"x4"	237.0	129.0	248.0	92.0	340.0	14-RC2-JS-200100
200x150	8"x6"	237.0	183.0	210.0	140.0	350.0	14-RC2-JS-200150
250x200	10"x8"	292.0	237.0	248.0	172.0	420.0	14-RC2-JS-250200

※ 下水道用管為橘紅色。
※ Sewerage use are reddish-orange color.

END CAPS
管帽
DFP CP2



Size (mm)	Size (inch)	M (mm)	L (mm)	P (mm)	Code
40	1-1/2"	57.0	60.0	55.0	14-CP2-JS-0040
50	2"	70.0	68.2	63.0	14-CP2-JS-0050
65	2-1/2"	86.0	100.0	94.8	14-CP2-JS-0065
80	3"	101.0	105.0	96.7	14-CP2-JS-0080
100	4"	129.0	135.0	123.2	14-CP2-JS-0100
125	5"	141.2	168.0	112.0	14-CP2-JS-0125
150	6"	185.0	205.0	168.0	14-CP2-JS-0150
250	10"	237.0	260.0	172.0	14-CP2-JS-0250

※ 下水道用管為橘紅色。
※ Sewerage use are reddish-orange color.

PVC污水管
(塑膠管·接頭)PIPE FITTING

SLAB JOINT
樓板接頭
DFP SJ1

Size (mm)	Size (inch)	D (mm)	d (mm)	W (mm)	I (mm)	L (mm)	Code
40	1-1/2"	76	3.5	5	40	140	14-SJ1-JS-0040
50	2"	90	3.5	5	45	140	14-SJ1-JS-0050
100	4"	147	3.5	5	50	140	14-SJ1-JS-0100

"P" TRAP WITH SOLVENT WELD JOINT AND CLEANOUT PLUG
P型存水接頭
DFP SW1

Size (inch)	I (mm)	H (mm)	L1 (mm)	H1 (mm)	L (mm)	Code
1-1/2" x 2mm	22	37	80	37.0	100	14-SW1-JS
2" x 2mm	25	50	100	75.5	135	14-SW1-JS
2" x 4mm(3/4" 牙)	63	85	138	85.0	190	14-SW1-JS
2" x 4mm(1/2" 牙)	63	85	138	85.0	190	14-SW1-JS

※ 下水道用管為橘紅色。
※ Sewerage use are reddish-orange color.

CLEANOUT BUSHING

清除孔接頭

DFP CB1

Size (mm)	Size (inch)	A (mm)	B (mm)	l (mm)	l_1 (mm)	L (mm)	Code
50	2"	30	4.5	59	25	98	14-CB1-JS-0050
80	3"	50	4.5	75	38	131	14-CB1-JS-0080
100	4"	50	4.5	93	47	164	14-CB1-JS-0100
125	5"	80	10	120	50	194	14-CB1-JS-0125
150	6"	125	10	128	50	204	14-CB1-JS-0150
200	8"	160	10	175	50	255	14-CB1-JS-0200

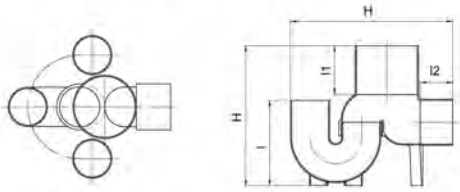
※ 下水道用管為橘紅色。
※ 清除孔接頭本體與蓋之間所套入橡膠墊圈，於每次使用後應鎖緊，以防漏水。
※ Sewerage use are reddish-orange color.
※ In order to against the leakage of rubber ring between cleanout bushing body and cap, please screw the cleanout cap on the cleanout bushing body tightly.

PVC污水管
(塑膠管·接頭)PIPE FITTING

JUNCTION WITH ODOR TRAP

污水防臭接頭

DFP JW1

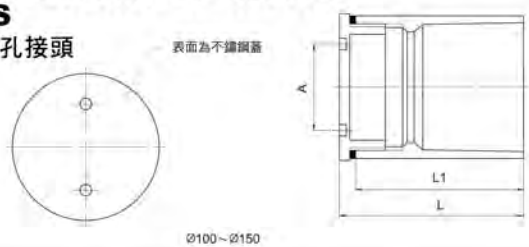


Size (mm)	Size (inch)	H (mm)	L (mm)	l (mm)	l_1 (mm)	l_2 (mm)	Code
100x150	4"x6"	398	457	234.5	140	90	14-JW1-JS-100150

CLEANOUT BUSHING OF INSERT STAIN-LESS

嵌合不銹鋼清除孔接頭

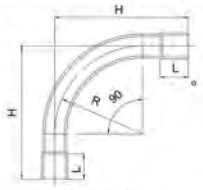
DFP SL1



Size (mm)	Size (inch)	A (mm)	L_1 (mm)	L (mm)	Code
100	4"	80	55	170	14-SL1-JS-0100
150	6"	120	190	207	14-SL1-JS-0150

※ 下水道用管為橘紅色。
※ Sewerage use are reddish-orange color.

Big BEND
大月彎
DFP L97



Ø16～Ø150

Size (mm)	Size (inch)	L (mm)	H (mm)	R (mm)	Code
40	1-1/2"	55	217	190	14-L97-JS-0030
50	2"	63	271	240	14-L97-JS-0035
65	2-1/2"	69	334	300	14-L97-JS-0040
80	3"	72	396	360	14-L97-JS-0050
100	4"	92	501	455	14-L97-JS-0065
125	5"	112	536	480	14-L97-JS-0080
150	6"	132	596	530	14-L97-JS-0100

※ 下水道用管為橘紅色。
※ Sewerage use are reddish-orange color.

膠合劑

各材質PVC使用編號：717(灰色)(1/2"～12")；719(灰色)(14"～24")
儲存溫度：華氏110°F(攝氏44°C)以下。
使用方法：限用於PVC塑膠，攪拌後使用，如果呈果凍狀則更換，請於罐底日期三年內使用完畢。

1. 管子裁切並清除毛刺，保持交接處之清潔及乾燥。
2. 未接合前應試接配件，應可輕易套進管子尾端，再前推約1/3～2/3處，交接處會緊密接合。
3. 使用適合的塗抹器，它必須要有管徑的一半；至於大尺寸管件則使用刷子或滾筒。
4. 使用本膠劑並依照操作指示。
5. 將膠劑充分、平均塗抹一層於管子，面積相當插入配件的深度，並且適量塗抹配件插管口，避免過量及弄髒，如果須要可再塗抹一層於管子，膠劑會填充於所有縫隙。
6. 若使用在擴口管，膠劑不要塗超過插管深度，或超過擴口處。
7. 趁膠劑仍潮濕時做接合動作，如果以乾燥，請於組裝前在塗抹一次膠劑，組裝時扭轉管配件，直至管子無法轉動，為避免交接處失準，組裝後請靜候30秒，並擦掉溢出的膠劑。
8. 靜置5分鐘使具有良好的操作強度；30分鐘凝固後則可達160PSI強度，但在2"華氏60°F(攝氏16°C)及以上之情況時除外，當管子尺寸大於2"，壓力較高及溫度低於華氏60°F(攝氏16°C)即需要更長的凝固接合時間。

多向連接管陰井系列

14-KT 200-300

起點用連接管陰井

14-ST 200-300

中接連接管陰井

14-WLS 200-300

兩側合流連接管陰井

14-30L 200-300

30°連接管陰井

14-90L 200-300

90°彎頭連接管陰井

14-90Y 200-300

單接側通連接管陰井

14-90WY 200-300

雙接側通連接管陰井

14-WR-DR 200- 300

單側高差調整連接管陰井

14-PVC 300

清除孔蓋

14-PVC 80
14-PVC 100
14-PVC 150
14-PVC 200

承插式塑膠清除孔蓋

※ 下水道用管為橘紅色。
※ Sewerage use are reddish-orange color.

多功能匯流接頭系列

14-HYS 100x100-150

單接糞管或側通匯流接頭

14-UTW 100x75-150

雙接雜排水匯流接頭

14-UT 100x75-150

單接存水彎防臭匯流接頭

14-CUES 100-150R

鑽孔接頭

14-90L 100-150

90° 彎頭匯流接頭

14-WLS 100-150

兩側合流匯流接頭

14-45YS-UT 100x75-150

單接糞管或側通單
接存水彎匯流接頭

14-DRW 100-150

雙側高差調整匯流接頭

14-ST 100-150

直線型匯流接頭

※ 下水道用管為橘紅色。
※ Sewerage use are reddish-orange color

PVC污水管
(塑膠管·接頭)PIPE FITTING

多功能匯流接頭系列

14- 100-150

鞍型人孔接頭

14-DR 100-150

單側跌落型匯流接頭

14-45L 100-150

45° 彎頭匯流接頭

14-UTK 100x75-150

起點用-單接存水彎防臭匯流接頭

14-UTK-DR 100x75-150

單接存水彎防臭
高低差調整匯流接頭

14-90SUR 150-300

鑽孔接頭

14-150
14-200
14-300

力管密閉內蓋

14-150 (6")
14-200 (8")
14-300 (12")

鑄鐵防護座

14-300 (12")

鑄鐵清除孔蓋

14-150 (6")
14-200 (8")

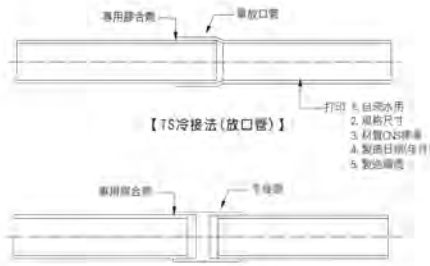
鑄鐵清除孔蓋

※ 下水道用管為橘紅色。
※ Sewerage use are reddish-orange color.

施工規範

A. TS冷接法

1. 管端削外角，以平面粗目銼刀或手提式削磨機削外角，中大口徑管亦可利用噴燈加熱半軟後，用小刀切削再以銼刀整修之。在扁內之量產當可利用鋸狀輪刀切削。
2. 外角切削之角度為30～45度，而管端所遺留的厚度為管厚的1/3，但不得小於1m/m。
3. 承口內壁與管端外表擦拭乾淨，然後承口內側與管端外表各塗佈膠合劑，待部份溶劑揮發膠著性增強時，則一口氣用力插入同時管材加以旋轉約1/4圈，使膠合劑分佈更為均勻。(大口徑不必旋轉，但需以拉緊器或木槌擊入插緊)，另以抹布將溢出之膠合劑拭淨。
4. 插入後可維持約30秒，方可移動。

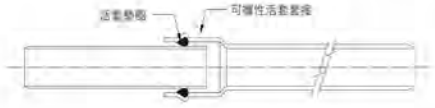


【TS冷接法(放口管)】

【TS冷接法(平口管)】

B. 活套管之施工法

1. 雄管端削外角;外角係沿20度角度削角，其殘留之管端厚度約1/4 ～ 1/3。(每支管削外角，於出廠前已削妥，如在工地有切斷時，應在工地進行削外角)。
2. 自活套頭內取出套環(橡膠Ring)擦拭乾淨，另活套溝槽內亦予擦拭乾淨，然後活套Ring再予套回原位。
3. 雄管端上標註插入長度記號(整支管一般出廠前已標示完成，如在工地有切斷時應在工地自行量測標註)。
4. 套環內部表面與雄管端預定插入部份塗佈潤滑劑(通常使用肥皂水或洗潔劑溶液均可)。
5. 雌雄管對準後套接(小口徑用人力插入，中口徑管端墊上厚木板或木角材，以木槌擊入，大口徑管之套接，須用拉緊器插接)，套接後所留之間隙，2"管以下約10mm，21/2"～4"約15mm，5"～6"約20mm，8"管以上為25mm。



【可撓性活套承插接合法】

▲ 警告: 1. 本產品禁止使用壓縮的空氣或瓦斯在塑膠的管配件上。
2. 禁止使用壓縮的氣體或瓦斯測試塑膠管路系統。

PVC污水管
(塑膠管·接頭)PIPE FITTING

PVC & HT-PVC 抗腐蝕工業用壓力管

安裝

1. 裁切

使用適當的工具裁切管子。為確保管子切平整垂直，當使用鋸子時必須使用輔鋸箱(miter box)。將管子儘可能鋸平整垂直可提供管面有最大的膠黏區域。PVC及HT-PVC 管可使用輪型塑膠切管器。若使用棘齒輪式的切刀時，特別在低於50°F(10°C) 以下時應注意不可使管子裂開。若有任何損壞的跡象，或裂痕很明顯時，可在離裂痕至少2"處切除。重要的一點是所使用的裁切工具必須專為塑膠管而設計使用的。

2. 斜切／去毛邊

毛邊及細屑可阻礙組裝時管與接頭的接觸，因此必須從管子的外部及內部去除這些毛邊及細屑。可使用斜角工具及銼刀達到此目的。在管子的管口處應有一小斜角可使管子易進入接頭（socket）內，且將膠合劑從接頭刮除的機會降至最低。將管口裁切成30－45度寬1/16"－3/32" 的斜角。

3. 接合準備

A. **檢查與清潔管件**－組裝前，應檢查所有管件是否有損壞或異狀。應檢查接合管件以確定公差及接合可相容。請勿使用有異狀或不可完全接合的管件。請洽出現問題的管件產品製造商以決定其是否可用。使用乾淨的乾布擦拭接頭管套及管口的灰塵與水分。水分會減緩固化時間，在此組裝階段時，過多的水將會降低接合的強度，並造成接著失敗。

B. **檢查乾燥的接合**－管子應可輕易地進入接頭管套1/2至3/4段。若管口末端在接頭內受到阻擾時，使用額外的膠合劑來接合。

C. **量測管套深度**－量測接頭的管套長度，並且在管口以此距離作記號。此參考記號在組裝時可確定接合時的管口已完全進入接頭內。

D. **將管子及接頭定位以供對準**。

4. 塗抹膠合劑

管子及接頭乾淨後才可塗抹膠合劑，且必須在清潔劑仍黏稠時迅速塗抹。使用塗抹器、天然鬃毛刷或約管徑1/2 的滾輪在接合面上塗抹膠合劑。在管口外部，接頭管套的長度上塗抹厚重、均勻的膠合劑塗層。塗抹的量應超過足夠填補任何縫隙的量。在接頭管套上塗上中量塗層。避免攪動膠合劑。檢查乾燥的接合處若有極少（或無）阻擾物時，可在管口上再第二次塗抹膠合劑。

5. 組裝

當兩個接合面的膠合劑仍然未乾時，應立即將管子插入接頭管套並將管子轉動1/4圈。管口底部必須完全接觸到接頭底部。此時應適當地對準接頭進行安裝。握住組件約30秒以確定初期膠黏。因為在配件底部(interference fit)處為錐形，在初期膠黏時若未在接合處穩定握住，管子可能會退出接頭底部。若在管及管套接合處四周漏出膠合劑珠粒則表示有此情況發生。若在管套肩部四周無連續膠合劑的珠粒擠出，則可顯示塗抹的量不足。若未塗抹足夠的膠合劑，應將接合處切除丟棄，再重新開始。可使用布塊擦拭過多的膠合劑珠粒。

6. 凝固及固化時間

膠合劑的凝固及固化時間隨使用的膠合劑類型、管尺寸、溫度、相對濕度及接合的緊繫度而改變。在乾燥的環境下、較小的管尺寸、高溫、較緊密的接合情況，有更快的乾燥時間。必須讓組件在接合處未受到壓力的情況下凝固1－5分鐘，視管尺寸及溫度而定。在初期凝固時間後，可以小心地處理組件避免在接合處受到壓力。進行壓力測試前，必須讓膠合劑黏合的組件適當地固化。

! 註 在此所提供的一般逐步指示係根據傳統工業管線產品在正常安裝條件下使用，不可視為其可適用於各種可能的現場條件組合。