



DINSEN IMPEX CORP

Epoxy Cast Iron Drainage Pipe System EN877

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TEL: 0086-310-8906676

FAX: 0086-310-3252086

ADD: NO.70 Renmin road, Handan, Hebei, China

EMAIL: info@dinsenmetal.com dinsenmetal@163.com

WEBSITE: <http://www.dinsenmetal.com>

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Dinsen Impex Corporation is founded in 2007, a professional enterprise in the field of cast iron pipes, fittings, stainless steel couplings, which are used for drainage system of buildings. We own a pipe factory and two fitting factories with most advanced and modern equipment in Wuan, Handan, Hebei province, capacity is 1000MT cast iron drainage pipes and 100MT pipe fittings per month in 2017. Our production process is executed strictly by the ISO 9001:2008 standard and all products are fully meet DIN EN877, BSEN877, DIN19522, BS416, BS437, GB/T12772 ect. Through this years, we offer reliable and quick service to response to the changing market and develop our own brand DS cast iron drainage pipes and fittings. Now our agents are widely in many countries like Germany, United Kingdom, Norway, Russia, Ukraine, Hongkong, UAE, Middle East and Southeast Asia etc.

鼎森公司成立於 2007 年，是一家專業從事用於建築排水系統的红銅管、管件、不銹鋼卡箍的企業。我們在河北省邯鄲市武安擁有最先進、最現代化設備的一個鑄管廠和兩個管件廠，2017 年月產量鑄鐵管 1000 噸和管件 100 噸。我們的生產過程嚴格按照 ISO 9001:2008 標準執行，所有產品都完全符合 DIN EN877, BSEN877, DIN19522, BS416, BS437, GB/T12772 等。

這些年我們提供可靠和快捷的服務以回應不斷變化的市場，發展我們自己的品牌 DS 红銅管和配件。現在我們的代理商廣泛分佈在許多國家，如德國、英國、挪威、俄羅斯、烏克蘭、香港、阿聯酋、中東和東南亞等地區。

DS紅銅管是由離心鑄造工藝製造，管件是砂型鑄造工藝製造的。我們的產品符合歐洲標準 EN877, DIN19522 等標準:

DS cast iron pipes are manufactured by centrifugal casting process and pipe fittings by sand casting process. Our products quality is fully in accordance with the European Standard EN877, DIN19522 and other standards:

BS EN 877	Cast iron pipes and fittings, their joints and accessories for the evacuation of water from building - Requirements, test methods and quality assurance.
DIN 19522	Cast iron drainage pipes and fittings without socket(SML)
BS EN 10088	Part 1: Stainless Steel - List of stainless steel Part 2: Stainless Steel - Technical delivery conditions for sheet/plate and strip for general purpose Part 3: Stainless Steel - Technical delivery conditions for semi-finished products, bars, rods and sections for general purpose
BS EN 681	Part 1: Elastomeric seals. Material requirement for pipe joint seals used in water and drainage application.
BS EN 13501	Part 1: Fire classification of construction products and building elements - Classification using test data for reaction of fire tests.
ISO 6708	Pipe works components - definition and selection of DN (size).



DS 鑄鐵管系統符合歐洲標準 EN877,擁有廣泛的優勢:
DS cast iron drainage pipe system which fully meets the European standard EN877,owns a wide range of advantages:

■1、環保且壽命長 Environmental friendly and long life time

由100% 完全可回收的材料製成，因此節省了自然資源。DS 管道系統可以完全重複使用而不會丟失任何屬性。由於鑄鐵具有優異的機械性能和安全性，其使用壽命已超過50年。

Made from 100% completely recyclable materials so saves natural resources. DS pipe system can be reused for exactly the same purpose without losing any of its properties. Cast iron has a proven lifespan far exceeding 50 years due to its outstanding mechanical properties and safety margin in operation.



■2、防火 Fire protection

不像塑膠管和管件，DS 管道系統不易燃也不排放氣體或有毒煙霧。特別是安裝了DS不銹鋼卡箍和EPDM橡膠墊片，當建築著火時，煙霧被控制在管道內然後通過屋頂通風口排出，可以防止火勢蔓延。更重要的是，鑄鐵管和配件也可以在火災後重用。



Unlike plastic pipes and fittings, DS pipe system is non-flammable and non-combustible nor gives off gases or toxic smokes. Especially installed with DS couplings with EPDM gaskets, when there is a fire in building, smoke is controlled in the pipeline then evacuated through the ventilation openings over the roof to prevent fire spreading. What is more important, cast iron pipes and fittings also can be recoverable after a fire.

■3、強的機械性能 Strength mechanical characteristics

DS 管系統是由灰口鑄鐵石墨呈片狀，這一典型的晶體結構賦予材料高強度、耐磨和耐溫性，優異的耐腐蝕性和很高的阻尼能力。縱使在風雨日曬下，DS紅銅的形狀及撞擊強度不會因而改變或減弱；相反，uPVC及PVC塑膠去水喉會受溫差的影響而變軟、變形及變脆。

DS pipe system is manufactured of grey cast iron with flake graphite, this typical crystalline structure gives the material high strength, wear and temperature resistance, excellent corrosion resistance, and a very high damping capacity. The shape and impact strength of DS products are unchanged under exposure of sunlight and weathering, while uPVC and PVC pipes would soften, deform and become brittle under intense temperature change.

機械性能/Mechanical Properties

最小抗拉強度/Minimum tensile strength:	Pipes: 200 MPa Fittings: 150 MPa
最小壓環強度/Minimum ring crushing strength:	Pipes and fittings 350 MPa (for DN < 250) or 332 MPa (for DN ≥ 250)
最大布氏硬度/Maximum brinell hardness:	Pipes and fittings 260HB

■4、低噪音 Low noise

由於鑄鐵的結實和高密度的性能，DS 管壁防止空氣傳輸形成一個安靜的排水系統。通常由於其自身低噪音的特性不需要特殊的昂貴的隔音措施。目前DS鑄鐵管系統是所有排水管道中最安靜的，特別適用於醫院、酒店、辦公室和公寓。

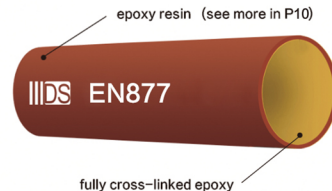
With cast iron sturdy and dense properties, DS pipe walls prevent air transmission creating a silent drainage system. Typically due to its naturally silent characteristics, no special and costly sound insulation measures required. So far DS cast iron pipe system is the quietest out of all the other drainage pipes, particularly suitable for hospitals, hotels, offices and apartment blocks.



■5、抗銹蝕 Anti-Corrosive

DS紅銅及配件的內外層均塗上防銹的環氧樹脂以防結垢及防銹蝕。在潮濕多雨的熱帶環境下，DS紅銅外層的環氧樹脂塗層為管道提供良好的保護。在家用化學劑如有機酸、苛性鈉等的用量日漸增多下，環氧樹脂塗層是對抗侵蝕物質的最佳屏障，同時亦造成了一個平滑的管道來防止污物阻塞。紅銅具有抗腐蝕的特性，令其廣泛應用於世界各地之實驗室、醫院、工廠及住宅等。

All DS epoxy cast iron pipes and fittings are internally and externally finished with corrosive resistant epoxy coating to prevent fouling and corrosion. The epoxy coating on DS epoxy cast iron pipes and fittings provides an excellent exterior under humid and tropical conditions. With the increasing use of domestic chemicals, such as organic acids and caustic soda, the epoxy interior is the perfect solution to handle the corrosive substances. The epoxy coating also provides a smooth path for solid waste creating a block-free interior. Around the world, epoxy cast iron pipes are widely used in laboratories, hospitals, factories and homes because of its corrosive resistant property.



■6、易於安裝和維護 Easy to install and maintain

DS卡箍是專門連接紅銅管和配件，用簡單的工具就可以安裝。它既簡單又快捷，可以節省時間和勞力成本。DS排水系統具有更強的抗性和耐用性，在建築壽命中需要最少的維護，使其成為排水系統的首選，特別是在維修或維護不便的地方。必要時拆卸卡箍和膠圈便可，使維修更容易、更便宜。

DS couplings are specially connected cast iron pipes and fittings, assembled with simple tools. It is easy and quick, which can save time and labour cost. DS drainage pipe system is more resistant and durable, needs minimal maintenance during the building lifetime and makes it the first choice for drainage system especially where repair or maintain inconvenience. When necessary, just remove the couplings and rubber gasket to make repairs easier and cheaper.



DS紅坭排水管系列用途和塗層

DS cast iron drainage pipe system application and coating

■應用 Application

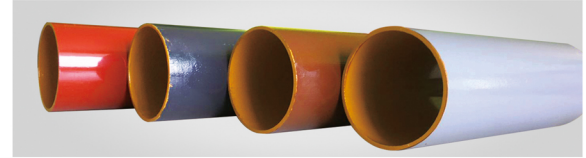
歐標EN 877 是紅坭排水管系統的產品標準尺寸由DN40到DN600。本標準規定了產品要求和試驗方法，以保證鑄鐵管系統的品質、尺寸和壁厚、機械性能（如水壓、抗拉強度和布氏硬度）、表面品質。此外，EN877還定義了環氧樹脂紅坭管、管件和卡箍的塗層，來區分普通建築排水（在建築物內、混凝土或建築物外安裝）和地下安裝。

The European standard EN 877 is the product standard for cast iron drainage pipe systems DN 40 up to DN 600. This standard specifies product requirements and test methods to guarantee cast iron pipe system quality, dimensions and wall thickness, mechanical properties (like water pressure, tensile strength and brinell hardness), appearance. Also EN877 defines the coatings for epoxy cast iron pipes, fittings and couplings, making a difference between normal building drainage (installation within a building, in concrete or outside onto a building) and underground installation.

DS SML 系統是正常建築排水用，內塗層的抗腐蝕性遠超過標準要求。對於地下安裝，DS TML系統是符合標準，這需要一個管道外塗層的噴漆至少130g/ m²加額外終飾塗層。DS KML 系統是在內外塗上高品質的環氧粉末，適用於廚房、醫院或工業廠房中含油脂的廢水。DS BML系統的外塗層符合ZTV-ING 4鋼結構施工，附件 a, 表 a 4.3.2, 建築部分3.3.3, 具有典型的抗 酸性廢氣、道路鹽霧等特性，適合於橋樑施工、道路、隧道等領域的特殊要求。

DS SML System is used for normal building drainage, whose corrosion resistance of inside coating surpasses the standard requirements by far. For underground installation, DS TML system is fulfilled by the standard, which requires a pipe outside coating with zinc layer min. 130g/m² and an additional cover coat. DS KML system is coated inside and outside with a high quality epoxy powder, which suited for grease-containing waste waters from kitchens or hospitals or industrial plants. DS BML system outside coating correspond to ZTV-ING part 4 steel construction, annex A, table A 4.3.2, construction part no. 3.3.3. It has typical properties of resisting acidic waste gas, road salt mist, etc, suit-able for special requirements in the field of bridge construction, roads, tunnels.

■塗層厚度 Coating thickness



1. SML for above ground drainage system

Pipes	Inside: fully cross-linked epoxy, thickness min. 120µm
	Outside: reddish brown base coat, thickness min. 60 µm
Fittings	Inside and outside: fully cross-linked epoxy, thickness min. 60 µm
Note:	We also offer pipes and fittings inside and outside coated epoxy powder min. 120 µm

2. TML for below ground drainage system

Pipes	Inside: fully cross-linked epoxy, thickness min. 120µm
	Outside: thermal spray zinc coating min. 130 g/m ² + top coat brown epoxy resin min. 60 µm
Fittings	Inside and outside: brown epoxy powder coating

3. KML for grease-containing waste waters from kitchens or laboratories

Pipes	Inside: fully cross-linked epoxy, double layer thickness min. 240µm
	Outside: thermal spray zinc coating min. 130 g/m ² + top coat grey epoxy resin min. 60 µm
Fittings	Inside and outside: grey epoxy powder coating

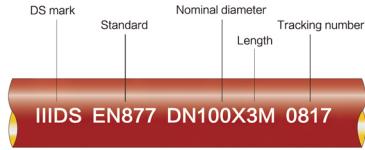
4. BML for bridge drainage system

Pipes	Inside: Fully cross-linked epoxy thickness min. 120 µm
	Outside: Two-layer thermal spraying zinc coating min. 40µm, +cover two-components epoxy coating 80 µm silvery grey (Color RAL 7001)
Fittings	Inside and outside: Zinc-rich primer min. 70 µm + top coat epoxy resin min. 80 µm silvery grey

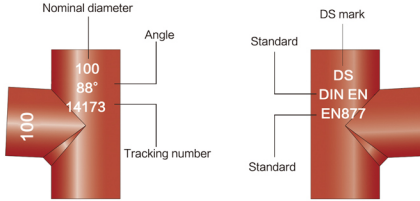
■ DS紅銅管和管件均按照 EN877標準作標識，包含製造商標記、標準、DN、角度、代碼和跟蹤編號，如下所示：

DS cast iron pipes and fittings are marked in accordance with the standard EN877, contains manufacturer mark, standard, DN, angle, code and tracking number as follows:

Pipe mark

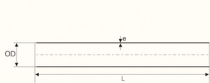


Fitting mark (both sides)



■ The complete range of DS SML pipes, fittings, couplings and grip collar will be found in the following list of product tables. **Please note that: All data is just for engineering reference, not as proof! More details, please contact us.**

紅銅管 Cast iron pipe	編碼 Code	公稱直徑DN mm	重量kg Weight	長度L Length	外徑DE Outside Diameter			壁厚 Wall Thickness	
					標準 Nominal	公差 Tolerance	標準 Nominal	最小值 Min	
DP-040		40	12.50	3000±20	48	+2/-1	3.0	2.5	
DP-050		50	13.00	3000±20	58	+2/-1	3.5	3.0	
DP-070		70	17.70	3000±20	78	+2/-1	3.5	3.0	
DP-075E	DE75	75	17.70	3000±20	75	+2/-1	3.5	3.0	
DP-075		75	19.00	3000±20	83	+2/-1	3.5	3.0	
DP-100		100	25.20	3000±20	110	+2/-1	3.5	3.0	
DP-125		125	35.80	3000±20	135	+2/-2	4.0	3.5	
DP-150		150	42.20	3000±20	160	+2/-2	4.0	3.5	
DP-200		200	69.60	3000±20	210	+2.5/-2.5	5.0	4.0	
DP-250		250	99.80	3000±20	274	+2.5/-2.5	5.5	4.5	
DP-300		300	129.70	3000±20	326	+2.5/-2.5	6.0	5.0	



曲 Bend 15°	編碼 Code	公稱直徑DN mm	重量kg Weight	a mm	b mm
	DF-1015-050	50	0.40	40	40
	DF-1015-070	70	0.60	45	45
	DF-1015-075E	DE75	0.80	45	45
	DF-1015-075	75	0.80	45	45
	DF-1015-100	100	1.00	50	50
	DF-1015-125	125	1.70	60	60
	DF-1015-150	150	2.50	65	65

曲 Bend 30°	編碼 Code	公稱直徑DN mm	重量kg Weight	a mm	b mm
	DF-1030-050	50	0.50	45	45
	DF-1030-070	70	0.70	50	50
	DF-1030-075E	DE75	0.70	50	50
	DF-1030-075	75	0.80	50	50
	DF-1030-100	100	1.30	60	60
	DF-1030-125	125	2.00	70	70
	DF-1030-150	150	3.00	80	80
DF-1030-200	200	5.60	95	95	

曲 Bend 45°	編碼 Code	公稱直徑DN mm	重量kg Weight	a mm	b mm
	DF-1045-040	40	0.50	50	50
	DF-1045-050	50	0.50	50	50
	DF-1045-070	70	0.90	60	60
	DF-1045-075E	DE75	0.80	60	60
	DF-1045-075	75	1.00	60	60
	DF-1045-100	100	1.60	70	70
	DF-1045-125	125	2.30	80	80
	DF-1045-150	150	3.50	90	90
	DF-1045-200	200	6.20	110	110
DF-1045-250	250	10.30	130	130	
DF-1045-300	300	17.30	155	155	

曲 Bend 68°	編碼 Code	公稱直徑DN mm	重量kg Weight	a mm	b mm
	DF-1068-050	50	0.70	65	65
	DF-1068-070	70	1.10	75	75
	DF-1068-075	75	1.20	80	80
	DF-1068-100	100	1.90	90	90
	DF-1068-125	125	2.90	105	105
	DF-1068-150	150	4.30	120	120
	DF-1068-200	200	7.70	145	145

曲 Bend 88°	編碼 Code	公稱直徑DN mm	重量kg Weight	a mm	b mm
	DF1090-040	40	0.70	70	70
	DF1090-050	50	0.70	75	75
	DF1090-070	70	1.20	90	90
	DF1090-075E	DE75	1.30	90	90
	DF1090-075	75	1.40	95	95
	DF1090-100	100	2.10	110	110
	DF1090-125	125	3.20	125	125
	DF1090-150	150	4.90	145	145
	DF1090-200	200	8.80	180	180
	DF1090-250	250	17.90	220	220
	DF1090-300	300	28.00	260	260

電曲 Bend With Access Door 45°	編碼 Code	公稱直徑DN mm	重量kg Weight	a mm	b mm
	DFC1045-100	100	2.60	82	82
	DFC1045-150	150	7.00	112	112

電曲 Bend With Access Door 88°	編碼 Code	公稱直徑DN mm	重量kg Weight	a mm	b mm
	DFC1090-075	75	2.20	95	95
	DFC1090-100	100	3.40	112	112
	DFC1090-150	150	7.00	146	146

大電曲 Large Radius Bend With Access Door 88°	編碼 Code	公稱直徑DN mm	重量kg Weight	a mm	R mm
	DFC1900-075	75	4.51	330	300
	DFC1900-100	100	7.00	270	233
	DFC1900-100	100	7.70	426	400
	DFC1900-150	150	19.70	630	600

大曲 Large Radius Bend 88°	編碼 Code	規格 Normal Size	重量kg Weight	a mm	R mm
	DF1900-100	100	5.40	270	233
	DF1900-150	150	9.80	275	228
	DF1900-200	200	19.50	343	280

雙短曲 Double Short Bend 88°	編碼 Code	公稱直徑DN mm	重量kg Weight	a mm	b mm
	DF1600-50	50	1.20	100	50
	DF1600-75	75	1.80	120	60
	DF1600-100	100	3.20	140	70
	DF1600-125	125	4.60	160	80
	DF1600-150	150	7.00	180	90

孖仔曲 Vent Bend 88°	編碼 Code	公稱直徑DN mm	重量kg Weight	a mm	b mm
	DF20008-100X050	100X50	2.90	110	110

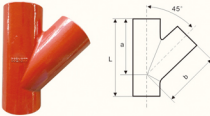
企頭曲 Heel Bend 88°	編碼 Code	公稱直徑DN mm	重量kg Weight	a mm	b mm	c mm
	DF2000A-100X050	100X50	2.50	202	110	110

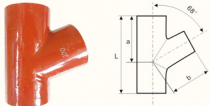
浅水格氧 P-Trap	编码 Code	公称直径DN mm	重量kg Weight	a mm	b mm	c mm
	DF2100-050	50	2.20	80	102	191
	DF2100-075	75	5.00	125	128	229
	DF2100-100	100	7.60	157	152	267

偏移管 Off-set Bend	编码 Code	公称直径DN mm	重量kg Weight	L mm	a mm	b mm
	DF2500-065X100	65X100	2.50	205	65	70
	DF2500-130X100	130X100	3.40	270	130	70

加长曲 Long Bend With 250mm Spigot 45°	编码 Code	公称直径DN mm	重量kg Weight	a mm	b mm	c mm
	DF2045-100	100	3.80	250	70	180

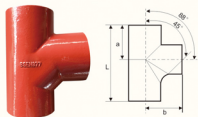
加长曲 Long Bend With 250mm Spigot 88°	编码 Code	公称直径DN mm	重量kg Weight	a mm	b mm	c mm
	DF2088-100	DN100	4.00	250	110	140

三叉 Single Branch 45°	编码 Code	公称直径DN mm	重量kg Weight	L mm	a mm	b mm
	DF1145-050	50X50	1.40	185	135	135
	DF1145-070X050	70X50	1.60	190	150	150
	DF1145-070	70X70	2.30	215	160	160
	DF1145-075X050	75X50	1.80	192	135	135
	DF1145-075EX050	DE75X50	1.50	180	135	135
	DF1145-075E	DE75X75	2.10	202	143	143
	DF1145-075	75X75	2.40	220	160	160
	DF1145-100X050	100X50	2.50	200	165	165
	DF1145-100X070	100X70	3.10	235	185	185
	DF1145-100X075E	100XDE75	3.20	235	185	185
	DF1145-100X075	100X75	3.10	225	170	170
	DF1145-100	100X100	4.20	275	205	205
	DF1145-125X050	125X50	3.40	205	185	185
	DF1145-125X070	125X70	4.30	240	200	200
	DF1145-125X075	125X75	4.60	240	200	200
	DF1145-125X100	125X100	5.20	280	220	220
	DF1145-125	125X125	6.40	320	240	240
	DF1145-150X070	150X70	5.60	245	215	215
	DF1145-150X075	150X75	5.90	260	215	215
	DF1145-150X100	150X100	6.80	295	240	240
DF1145-150X125	150X125	8.00	325	255	255	
DF1145-150	150X150	9.20	355	265	265	
DF1145-200X075	200X75	8.50	260	240	240	
DF1145-200X100	200X100	10.00	305	265	265	
DF1145-200X125	200X125	11.90	335	280	280	
DF1145-200X150	200X150	13.30	375	300	300	
DF1145-200	200X200	17.20	455	340	340	
DF1145-250X100	250X100	15.40	325	310	310	
DF1145-250X150	250X150	20.20	405	350	350	
DF1145-250X200	250X200	22.51	475	385	385	
DF1145-250	250X250	31.50	560	430	430	
DF1145-300X150	300X150	26.90	415	380	380	
DF1145-300X200	300X200	29.26	485	415	440	
DF1145-300	300X300	50.10	660	505	505	

三叉 Single Branch 68°	编码 Code	公称直径DN mm	重量kg Weight	L mm	a mm	b mm
	DF1168-050	50X50	1.00	145	85	85
	DF1168-070X050	70X50	1.30	148	91	94
	DF1168-070	70X70	1.70	170	100	100
	DF1168-100X050	100X50	2.10	155	100	100
	DF1168-100X070	100X70	2.40	185	117	122
	DF1168-100	100X100	2.90	215	130	130
	DF1168-125X070	125X70	3.20	190	123	130
	DF1168-125X100	125X100	4.00	225	140	145
	DF1168-150X100	150X100	5.20	235	150	155
	DF1168-150	150X150	6.90	295	185	185

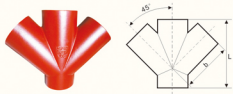
三叉 Single Branch 88°

編碼 Code	公稱直徑DN mm	重量kg Weight	L mm	a mm	b mm
DF1190-050	50X50	0.90	145	66	80
DF1190-070X050	70X50	1.40	155	72	90
DF1190-070	70X70	1.70	180	83	95
DF1190-075X050	75X50	1.60	183	75	90
DF1190-075X075	75X75	1.90	180	85	95
DF1190-100X050	100X50	2.10	170	76	105
DF1190-100X070	100X70	2.40	190	88	110
DF1190-100X075	100X75	2.60	190	90	110
DF1190-100X075E	100XDE75	2.90	190	88	110
DF1190-100	100X100	2.90	220	105	120
DF1190-125X050	125X50	3.00	180	82	120
DF1190-125X070	125X70	3.40	200	93	125
DF1190-125X075	125X75	3.60	205	100	125
DF1190-125X100	125X100	4.00	235	110	130
DF1190-125X125	125X125	4.60	260	123	135
DF1190-150X050	150X50	4.45	200	100	140
DF1190-150X070	150X70	4.80	215	100	140
DF1190-150X75	150X75	5.00	220	105	140
DF1190-150X100	150X100	5.50	245	115	145
DF1190-150X125	150X125	6.20	275	128	150
DF1190-150	150X150	6.90	300	142	155
DF1190-200X100	200X100	7.80	270	125	175
DF1190-200X150	200X150	10.80	325	152	185
DF1190-200	200X200	12.80	375	180	200
DF1190-250X100	250X100	12.90	308	148	211
DF1190-250X150	250X150	15.15	355	169	228
DF1190-250X200	250X200	18.20	416	200	237
DF1190-300X100	300X100	19.10	348	164	252
DF1190-300X150	300X150	22.80	400	190	255
DF1190-300X200	300X200	25.40	455	220	265
DF1190-300X250	300X250	28.70	497	240	271



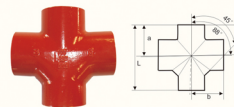
十字叉 Double Branch 45°

編碼 Code	公稱直徑DN mm	重量kg Weight	L mm	b mm
DF2400-100X050	100X50	4.00	200	165
DF2400-100	100X100	5.30	275	205
DF2400-125	125X125	8.00	320	240
DF2400-150X100	150X100	9.00	295	240
DF2400-150	150X150	10.80	355	265



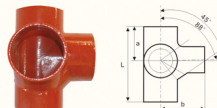
十字叉 Double Branch 88°

編碼 Code	公稱直徑DN mm	重量kg Weight	L mm	a mm	b mm
DF1500-100X050	100X50	2.20	180	80	105
DF1500-100X075	100X75	2.80	205	95	120
DF1500-100	100X100	3.20	230	110	120
DF1500-125X100	125X100	5.00	245	115	135
DF1500-150X050	150X50	5.20	200	100	140
DF1500-150X100	150X100	7.10	245	115	145



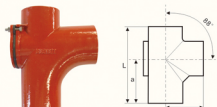
立體十字叉 Corner Branch 88°

編碼 Code	公稱直徑DN mm	重量kg Weight	L mm	a mm	b mm
DF1400-075	75X75	2.20	180	85	95
DF1400-100X070	100X70	2.70	190	88	110
DF1400-100	100X100	3.40	220	105	120
DF1400-125X100	125X100	5.00	235	110	130
DF1400-150X100	150X100	7.10	245	115	145



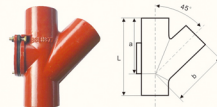
電叉 Branch With Access 88°

編碼 Code	公稱直徑DN mm	重量kg Weight	L mm	a mm	b mm
DFC1190-075	75X75	3.80	222	131	131
DFC1190-100X050	100X50	3.80	205	103	96
DFC1190-100X075	100X75	4.00	228	118	144.7
DFC1190-100	100X100	4.50	275	168	150
DFC1190-150X100	150X100	7.50	280	140	167
DFC1190-150	150X150	11.00	353	205	192

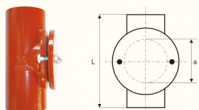


電叉 Branch With Access 45°

編碼 Code	公稱直徑DN mm	重量kg Weight	L mm	a mm	b mm
DFC1145-075	75X75	2.77	225	160	160
DFC1145-100	100X100	4.39	275	205	205
DFC1145-150	150X150	9.92	354	264	264
DFC1145-200	200X200	15.75	455	340	340

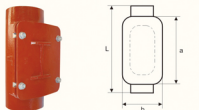


多口短嘴 Round Access Pipe



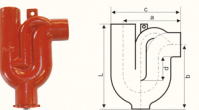
编码 Code	公称直径DN mm	重量kg Weight	L mm	a mm	b mm
DFC-050	50	2.30	190	53	
DFC-070	70	2.90	210	73	
DFC-075E	DE75	2.20	210	73	
DFC-075	75	3.10	220	78	
DFC-100	100	5.00	260	104	
DFC-125	125	10.30	280	128	
DFC-150	150	11.50	320	152	

方口短嘴 Rectangle Access Pipe



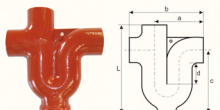
编码 Code	公称直径DN mm	重量kg Weight	L mm	a mm	b mm
DFCS-075E	DE75	3.40	262	179	114
DFCS-100	100	7.60	340	230	157
DFCS-125	125	10.30	370	255	190
DFCS-150	150	14.50	395	280	215
DFCS-200	200	22.00	465	330	265
DFCS-250	250	36.50	570	426	330
DFCS-300	300	51.00	640	476	476

防淤格氧 Anti-syphon Trap



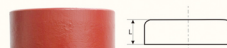
编码 Code	公称直径DN mm	重量kg Weight	L mm	a mm	b mm	c mm	d mm
DF1700-050	50	3.30	255	146	209	175	80
DF1700-075	75	9.10	312	201	240	245	86
DF1700-100	100	11.50	374	261	281	316	108
DF1700-150	150	35.00	625	376	391	456	195

深水格氧 Deep Trap With 4 Door



编码 Code	公称直径DN mm	重量kg Weight	L mm	a mm	b mm	c mm	d mm
DF1800-050	50	3.15	250	122	190	182	60
DF1800-070	70	5.70	290	172	265	200	60
DF1800-075	75	5.80	293	172	265	200	60
DF1800-100	100	9.80	392	215	325	282	100
DF1800-125	125	17.15	446	260	390	316	100
DF1800-150	150	22.80	493	325	470	348	100

喉帽 Cap



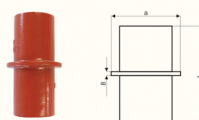
编码 Code	公称直径DN mm	重量kg Weight	L mm
DF1200-050	50	0.20	30
DF1200-070	70	0.40	35
DF1200-075E	DE75	0.40	35
DF1200-075	75	0.50	40
DF1200-100	100	0.70	45
DF1200-125	125	1.10	45
DF1200-150	150	1.70	54
DF1200-200	200	3.10	60
DF1200-250	250	6.00	70
DF1200-300	300	9.50	80

堵头 Cap With Rubber Seal



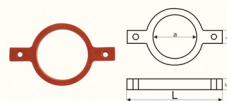
编码 Code	公称直径DN mm	重量kg Weight
DF2300-050	50	0.40
DF2300-070	70	1.40
DF2300-075	75	1.40
DF2300-100	100	1.83
DF2300-125	125	2.70
DF2300-150	150	3.00

支撑管 Support Downpipe



编码 Code	公称直径DN mm	重量kg Weight	L mm	a mm
DF2600-050	50	1.30	200	87
DF2600-070	70	1.60	200	106
DF2600-075	75	1.80	200	114
DF2600-100	100	2.30	200	145
DF2600-125	125	3.00	200	170
DF2600-150	150	4.00	200	195
DF2600-200	200	6.00	200	245
DF2600-250	250	12.50	300	340
DF2600-300	300	24.00	300	390

支撑圈 Support Bracket/Ring



编码 Code	公称直径DN mm	重量kg Weight	L mm	a mm	b mm	c mm
DF2200-050	50	0.80	193	66	32	17
DF2200-070	70	1.00	214	86.5	32	18
DF2200-075	75	1.00	214	91.5	32	18
DF2200-100	100	1.30	250	119	32	20
DF2200-125	125	1.50	275	145	32	20
DF2200-150	150	2.00	301	170	32	22
DF2200-200	200	3.00	360	221	36	22
DF2200-250	250	6.00	442	285	40	25
DF2200-300	300	7.40	495	337	40	30

吋士 Reducer		編碼 Code	公稱直徑DN mm	重量kg Weight	L mm	a mm
		DF1300-050X040	50X40	0.50	65	5
		DF1300-070X050	70X50	0.50	80	10
		DF1300-075EX050	DE75X50	0.50	77	10
		DF1300-075X050	75X50	0.70	80	13
		DF1300-100X050	100X50	0.90	80	25
		DF1300-100X070	100X70	0.90	85	16
		DF1300-100X075E	100XDE75	0.90	90	14
		DF1300-100X075	100X75	1.10	90	14
		DF1300-125X050	125X50	1.40	85	38.5
		DF1300-125X070	125X70	1.50	90	28.5
		DF1300-125X100	125X100	1.50	95	12.5
		DF1300-150X050	150X50	2.00	95	51
		DF1300-150X075	150X75	2.10	100	39
		DF1300-150X100	150X100	2.20	105	25
		DF1300-150X125	150X125	2.20	110	12.5
		DF1300-200X100	200X100	4.10	115	50
		DF1300-200X125	200X125	4.10	120	37.5
		DF1300-200X150	200X150	4.30	125	25
		DF1300-250X150	250X150	6.80	140	57
		DF1300-250X200	250X200	7.00	145	32
		DF1300-300X150	300X150	10.70	150	83
		DF1300-300X200	300X200	11.40	160	58
		DF1300-300X250	300X250	12.40	170	26

法蘭接頭 Connector With Flange		編碼 Code	公稱直徑DN mm	重量kg Weight	L mm	a mm	b mm	c mm
		DF2700-100	100	7.30	150	180	220	18
		DF2700-150	150	12.00	150	240	285	22

地漏 Floor Drain		編碼 Code	公稱直徑DN mm	重量kg Weight	L mm	a mm	b mm	c mm
		DF2700-200X100	200X100	35.00	280	300	260	390

B型不銹鋼卡箍 Stainless Steel Coupling, Type B		編碼 Code	公稱直徑DN mm	D mm	L mm
		DCB-040	40	62	41
		DCB-050X040	50X40	70	41
		DCB-050	50	70	41
		DCB-070	70	88	45
		DCB-075	75	96	45
		DCB-100	100	124	45
		DCB-125	125	150	54
		DCB-150	150	178	54
		DCB-200	200	230	67

CHA型不銹鋼卡箍 Stainless Steel Coupling, Type CHA		編碼 Code	公稱直徑DN mm	D mm	L mm
		DCC-040	40	62	56.5
		DCC-050	50	72	56.5
		DCC-075	75	92	56.5
		DCC-100	100	124	56.5
		DCC-125	125	150	70.5
		DCC-150	150	174	70.5
		DCC-200	200	226	82
		DCC-250	250	290	140
		DCC-300	300	342	140

球鐵卡箍 Ductile Iron Couplings		編碼 Code	公稱直徑DN mm	重量kg Weight	D mm	L mm	a mm	b mm
		DCD-050	50	0.6	79	50	68	111
		DCD-070	70	0.7	89	50	68	132
		DCD-100	100	1.1	134	60	78	168
		DCD-150	150	1.9	184	71	89	230
		DCD-200	200	3.5	231	82	100	278

E型不銹鋼卡箍 Stainless Steel Coupling, Type E		編碼 Code	公稱直徑DN mm	L mm
		DCE-050	50	50
		DCE-075	75	55
		DCE-100	100	55
		DCE-125	125	78
		DCE-150	150	78

爪箍 Grip Collar	編碼 Code	公稱直徑DN mm	D mm	L mm	a mm
	DCG-050	50	128	73	51
	DCG-075	70	153	73	51
	DCG-100	100	182	85	57
	DCG-125	125	205	96	68
	DCG-150	150	230	96	68
	DCG-200	200	267	111	82
	DCG-250	250	338	130	82
DCG-300	300	387	130	82	

B型爪箍 Type B Grip Collar	編碼 Code	公稱直徑DN mm	內徑 Normal Size	a mm	b mm	L mm
	DCBB-050	50	58	50	54	82
	DCBB-075	70	83	50	54	82
	DCBB-100	100	110	50	54	82
	DCBB-150	150	160	63	70	95
	DCBB-200	200	210	74	80	106

CHA爪箍 Type CHA Grip Collar	編碼 Code	公稱直徑DN mm	內徑 Normal Size	a mm	b mm	L mm
	DCCH-050	50	58	63	70	95
	DCCH-075	70	83	63	70	95
	DCCH-100	100	110	63	70	95
	DCCH-150	150	160	74	80	106
	DCCH-200	200	210	82	88	118
	DCCH-250	250	326	140	130	184
	DCCH-300	300	326	140	130	184

Generally, DS SML pipe and fittings are connected by Stainless steel couplings Type B or CH, withstand hydrostatic pressure between 0 and 0.5 bar. But some drainage pipe work pressure maybe higher than 0.5 bar like under ground system, direction changes,waste water pumped installation ect.Then demand grip collar onto the coupling for special protection. The axial restraint of grip collar can up to DN50-100: 10 bar, DN150-200: 5 bar ,DN250-300: 3 bar.

■切割管子 Cutting pipes

DS 鑄鐵排水管供應標準長度為3米,可以按要求的尺寸切割。一個重要的條件是安全固定管道,以保證切邊清潔成直角並平滑無毛刺。為方便切割鐵管,推薦使用以下工具:
DS cast iron drainage pipes are supplied with a standard length of 3 m, while they can be cut at the required size. An important condition is to fix the pipe securely, to guarantee cut edge a clean and right-angled and would be free from burr and smooth. The following tools can be used in cutting iron pipes.



1、Exact切割器該管確保精確,快速和安全的切割沒有飛濺的火花和熱片。

Exact PipeCut pipe saw: The pipe saw ensures a precise,fast and safe cut without flying sparks and hot chips.



2、帶夾緊裝置的配帶切割器也能在沒有飛濺火花的情況下取得很好的效果。

Electric pipe saws with clamping device also give very good results without flying sparks.



3、帶圓碟的碟型切割器應與制導裝置一起使用,管道按安全地固定和移動並保證切口成直角。

Powdered disc cutters with discs for cast iron should only be used with guidance devices, where the pipe is held and moved safely, and a right-angled cut is guaranteed.

■切邊保護Cut Edge Protection



切割管道後,你應在切口邊緣塗上環氧樹脂塗層進行保護。它適用於清潔刷噴塗,乾燥時間在室溫20攝氏度下接近15分鐘。

After cutting pipes,you should paint an epoxy resin coating on the cut edge for protection.It is applied with a clean brush and the drying-time would be approximated around 15 minutes at room temperature 20 degree Celsius.

■管道系統安裝和清洗Pipe system installation and cleaning



在管和配件的貯存、運輸、切割和安裝過程中,應注意保護塗層。污垢和鋸屑必須在安裝時立即除去,它需要高壓清洗裝置,而不是機械管道清洗工具這可能會損壞內部塗層。

During pipes and fittings' storage, transportation,cutting and installation process, you should take care to protect the coatings.Dirt and sawing dust must be removed immediately before installation,It requires a high-pressure cleaning device but not mechanical pipe cleaning tools which may damage the inside coating.

■ 橫支管安裝 Horizontal pipe installation

▲ 每個3米長度的管應由2個喉箍支撐，固定喉箍的距離應要均勻且不超過2米長。喉箍和卡箍之間的長度要不少於0.10米且不大於0.75米。

▲ 安裝應輕微下降大約1或2%和最小0.5% (0.5釐米每米)，連接的2個管或管件的彎曲度必須不超過3°。

▲ 橫支管必須安全地固定所有轉向和分支，在每一個10-15米，必須固定一個特殊的固定支架連接一個喉箍以防止管道的擺動。

▲ Each 3m length pipe should be supported by 2 brackets, the distances of the fixings brackets should be even and not exceed a length of 2m. The length of pipe between a bracket and a coupling should not less than 0.10 m and not exceed 0.75m.

▲ Installation shall respect a slight fall, around 1 or 2%, and 0.5% at a minimum, (0.5 cm per metre), and the bending of conjunction between 2 pipes/fittings must be not exceeded 3°.

▲ Horizontal pipes must be securely fastened at all changes of direction and branches. At every 10-15m, a special fixing arm should be attached to a bracket to prevent pendular movement of the pipe run.

■ 立管安裝 Vertical pipe installation

▲ 立管的固定點也是最大2米的距離，如果一層是2.5米高則每層需要固定兩次，其中可能安裝分支。

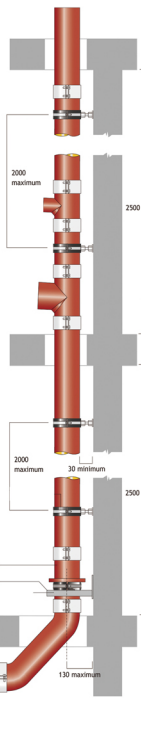
▲ 立管應固定在離牆30mm上以便於維護，當它豎直穿牆時，你需要用一個喉箍和支架安裝在管子底部。

▲ 每五層樓(高度2.5米)或15米安裝一個支撐管，我們建議把它按在第一層。

▲ Vertical pipe is also fastened at max 2m distance, if a storey is 2.5m high, then need fixed twice per storey, among that may install all branches directly.

▲ The vertical pipe should be fixed not closer than 30mm to the wall to allow easily maintenance. When it through walls, you need to use a special fixing arm and a bracket at the bottom of pipe.

▲ Install a support downpipe at every fifth floor(height 2.5m) or 15m, we recommend to fix it in the first floor.



■ 安裝不銹鋼卡箍 Installation of stainless steel coupling



1、準備 DS 不銹鋼卡箍和管，我們供應的卡箍跟EPDM墊片是已組裝好的。Prepare DS SS coupling and pipe, we supply coupling with EPDM gasket assembled already.



2、將卡箍完全移動到管的末端或密封墊片中間。Move coupling completely to the end of pipe or the fashioned part to the middle of the gasket.



3、將下一根管子或管件接頭推入步驟2的卡箍中。Push the next pipe or fitting into the coupling as step 2.



4、將螺絲均勻地擰緊至所需的扭矩。Evenly tighten the bolts to the required torque setting.

■ 安裝爪箍 Installation of grip collar



1、將 DS 爪箍的兩半部分均勻地固定在管子的末端，必須確保螺絲和齒型接位於管道上。Fix the two half parts of the DS grip collar uniformly and closely to the end of the pipes, must ensure the collar bolts and teeth are directly located onto the pipe.



2、插入四螺絲將兩部分固定在一起。Insert the four screws to fix the two parts together loosely.



3、將螺絲橫向擰緊，使兩側板的平行間距相同。Tighten the screw crosswise alternatively so that the two plates are put in parallel with the same spacing.



4、當板的外部邊緣兩側接觸時則裝配完成。The assembly is completed when the external edges of the plates are in contact on both sides.