



開捷企業TOPBUILD

不銹鋼飲用水管道系統

綠色環保產品，配件可裝、可拆、循環再用

Stainless Steel

Tubes and Fittings for Potable Water System

Mechanical Joints

Double Seals Press-Fit End Type Fittings

and Grooved End Type Fittings

Compatible with BSEN 10312 Series1, 2 and BSEN10217-7

Stainless Steel Tubing



•Simple•Keen•Installation
•Efficient•Liable



TBI不銹鋼雙防漏卡壓式管道配件系統是由台灣開捷企業股份有限公司研發及生產，配件系統設計先進，施工簡單、快捷、方便、省時，並榮獲美國、英國、新加坡、馬來西亞、中國、台灣、澳大利亞、德國、日本、香港及澳門等多國及地區專利設計。

TBI不銹鋼雙防漏卡壓式管道配件系統及溝槽式管道配件系統並通過測試及檢定，獲得英國WRAS、日本水道協會JWWA、馬來西亞水務署SPAN及回教國家SIRIM等地區的批准及認可。TBI不銹鋼雙防漏卡壓式管道配件系統並已通過歐盟規範pren10352，等同英國規範BS8537中的抗震及抗水錘測試。TBI不銹鋼雙防漏卡壓式管道配件生產及製造過程電腦數控化，品質監控嚴謹，每一件配件如管徑15至管徑54雙防漏卡壓式管道配件百份百必須經過20bar氣壓測試合格，測試包含配件本體、止水環及管道連接口等，管徑65至管徑150溝槽式管道配件亦百份百經過30bar水壓測試合格。

配套完善加工機械設備，如無火、無毛刺、冷切割切管及滾溝電動機械，務求使在加工時不影響不銹鋼材質特性，電動機械獲得歐盟CE安全驗證。

系統配件使用的止水材料為硅矽膠，硅矽膠可使用於任何惡劣大氣環境、可抵抗紫外線、可使用工作溫度由0°C至+100°C (液態)，使用壽命可長達50年以上。

不銹鋼是被公認為世界上一種美觀、耐用、衛生、綠色環保材料，不銹鋼表面可以杜絕細菌的滋生，應用於飲用水系統內，不會污染飲用水水質或有化合物釋出，在英國水務監督長達一年半多的重金屬釋出測試，如鎳及鉻的釋出遠遠低於歐盟指引規範。(所以在醫藥工業及食品工業都是唯一選擇不銹鋼管材作為輸送管道。)

不銹鋼是唯一材料被英國DWI,歐盟國家及美國水務監督機構認可可應於飲用水系統而不須任何限制。

TBI stainless steel double seals press-fit fittings system is developed and manufactured by Taiwan Kaijie Enterprise Co, Limited. The double seals press-fit fittings system is an innovative design. The installation is simple, quick, ease and time saving. The double seals press-fit fittings system is granted pattern design within the area of USA, UK, Singapore, Malaysia, Australia, German, Japan, China, Taiwan, Hong Kong and Macau.

TBI stainless steel double seals press-fit fittings and groove end fittings system has been tested and approved by International Water Authority such as WRAS of UK, JWWA of Japan, SPAN of Malaysia, SIRIM of Muslim Country. TBI stainless steel double seals press-fit fittings are also being proved to resistance to vibration and pressure cycling in relevant to EU standard pren10352 or equivalent to British Standard BS 8537.

TBI stainless steel double seals press-fit fittings system has adopted the most advanced technology in controlling product quality in every production process. Every individual double seals press-fit fitting ranging from OD 15mm to OD 54mm including fitting body, O-ring and pipe jointing must be 100% inspected by pneumatic test at 20 bar. Every individual groove end fitting ranging from OD 65mm to OD 150mm including fitting body, gasket and pipe jointing must be 100% inspected by hydrostatic test at 30 bar.

TBI stainless steel double seals press-fit fittings system and groove end fittings system offered an unique burr free, square end, cold form cutting and grooving electrical machine with CE mark of approval in safety so that the physical property of stainless steel would not be deteriorated during any processes.

TBI stainless steel double seals press-fit fittings system and groove end fittings system utilized silicon rubber as sealing material. Silicon rubber is virtually unaffected by weather and with wider operating temperature range (0°C to +100°C at liquid state). The life cycle of silicon rubber would be more than 50 years.

Stainless steel is playing an important role in sustainable design and alternative energy evolution. Ultimately, the most environmental friendly materials are corrosion resistant, durable, and hygienic. Stainless steel guarantees lasting hygiene and prevents the formation of any medium on which bacteria can grow. There is practically **NO** contamination of water in contact with the stainless steel. As tested by Drinking Water Inspectorate of UK for more than 1 year, leaching levels of nickel and chromium have also been proven to be less than the maxima permitted by the European Drinking Water Directive.

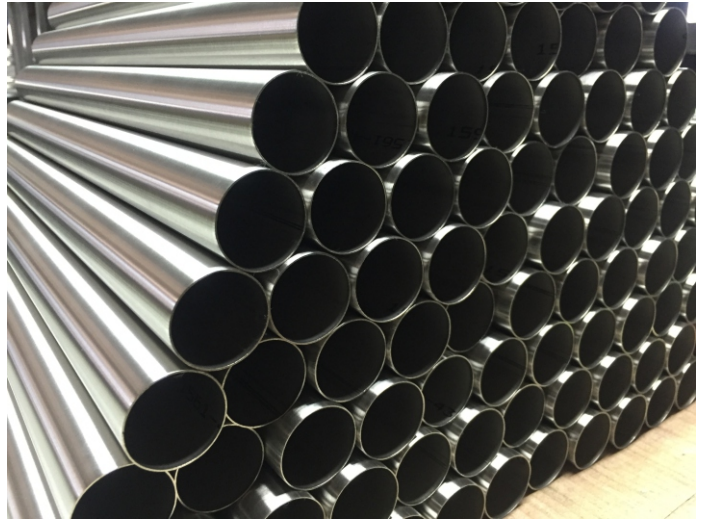
Stainless steel is the ONLY material allowed by water regulation bodies in the US and EU to be used for public water supply without being subjected to testing beforehand.

TBI TUBE STAINLESS STEEL

Manufactured by welding process as governed by BSEN 10217-7. All the weld-seam of the welded tubes and pipes are 100% checked by NDT during the welding process.

TBI TUBE IS MADE OF STAINLESS STEEL

Fabricated from stainless steel. The chromium and nickel content in stainless steel give the tube and pipe its brightness and its high resistance to corrosion.



TBI TUBE IS COMPLIED WITH PED 97/23/EC

The fabrication and inspection process of TBI stainless steel tubing is approved by PED 97/23/EC. The welded factor for manufacturing of TBI stainless steel welded tubing is equal to 1. It implies that TBI stainless steel welded tube is identical to the performance of a stainless seamless tube.

TBI TUBE IS IDEAL FOR ALL WATER SERVICES

Stainless steel tubing has proved exceptionally successful for hot and cold domestic water services and for heating application.

TBI TUBE IS HARD AND RIGID

Stainless steel tubing is hard and rigid and is not readily damaged in transit, in store or site. Its inherent hardness also means it is less vulnerable to vandalism.

TBI TUBE IS ATTRACTIVE

The bright lustre of stainless steel will not deteriorate under normal conditions making it ideal for exposed tubing and painting becomes unnecessary.

TBI TUBE – COMPATIBLE WITH ALL FITTINGS

SG Push-fit fittings, DS Press-fit fittings, Push-in fittings, Compression fittings, Press-end fittings and Capillary fittings are all compatible with TBI Stainless Steel Tubes.

TBI TUBE - AVAILABILITY IN DIFFERENT STAINLESS STEEL GRADE

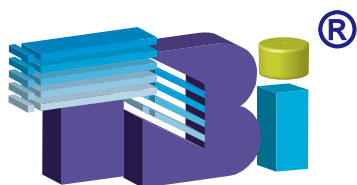
Stainless Steel tubing can be supplied with stainless steel grade 1.4031 to BSEN10088 (AISI304) or 1.4401 to BSEN10088 (AISI316) in length of 6 meter as standard. Other specific length of stainless steel tubing can also be supplied upon request.

TBI TUBE – LOW DENSITY POLYETHYLENE COATING

Stainless Steel tubing can be supplied with external Low density polyethylene coating for the application of cold and hot water system.

TBI TUBE – POLYOLEFIN COATING

Stainless Steel tubing can also be supplied with external polyolefin coating for the application of cold and hot water system ranging from the size OD 15mm to OD 150mm. The external polyolefin coating is proved to be flame retardant to meet the specification UL224 VW-1, low smoke, zero halogen and UV resistance.



Stainless Steel

TBI TUBE BSEN10312 SERIES 1 & 2 METRIC UNITS

P/N : TBIPFFSTS1

Size Range for Series 1 Size DN15-54mm

Fabrication and Inspection Processes are approved by PED97/23/EC Weld Factor=1

NOMINAL SIZE 尺寸	OUTSIDE DIAMETER 外 徑	NOMINAL THICKNESS 厚 度	APPROX.NO.OF KILOS PER METER RUN 重 量
15mm	14.940 / 15.045mm	0.6mm	0.223
22mm	21.950 / 22.055mm	0.7mm	0.380
28mm	27.950 / 28.055mm	0.8mm	0.551
35mm	34.965 / 35.070mm	1.0mm	0.857
42mm	41.965 / 42.070mm	1.1mm	1.130
54mm	53.930 / 54.070mm	1.2mm	1.585

P/N : TBIPFFSTS2

Size Range for Series 2 Size DN15-54mm

NOMINAL SIZE	OUTSIDE DIAMETER	NOMINAL THICKNESS	APPROX.NO.OF KILOS PER METER RUN
15mm	14.940 / 15.045mm	1.0mm	0.350
22mm	21.950 / 22.055mm	1.2mm	0.624
28mm	27.950 / 28.055mm	1.2mm	0.804
35mm	34.965 / 35.070mm	1.5mm	1.256
42mm	41.965 / 42.070mm	1.5mm	1.518
54mm	53.930 / 54.070mm	1.5mm	1.968

Chemical Composition

The stainless steel from which domestic water tubing is manufactured in type 1.4301 in BSEN10088-2 having following composition (SS304)

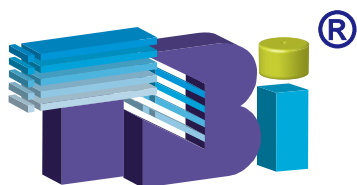
Element	% Min.	% Max.
Carbon (C)	-	0.07
Silicon (Si)	-	1.00
Manganese (Mn)	-	2.00
Nickel (Ni)	8.00	10.50
Chromium (Cr)	17.00	19.50
Sulphur (S)	-	0.015
Phosphorus (P)	-	0.045

The stainless steel from which domestic water tubing is manufactured in type 1.4401 in BSEN10088-2 having following composition (SS316)

Element	% Min.	% Max.
Carbon (C)	-	0.07
Silicon (Si)	-	1.00
Manganese (Mn)	-	2.00
Nickel (Ni)	10.00	13.00
Chromium (Cr)	16.50	18.50
Sulphur (S)	-	0.015
Phosphorus (P)	-	0.045
Molybdenum (Mo)	2.00	2.50

Physical And Mechanical Properties

Specific Gravity		7.91
Thermal Conductivity (c.g.c.units)	at 20°C	0.035
	at 100°C	0.038
Coefficient of Thermal Expansion	at 20°C	16.3x10 ⁻⁶
	at 100°C	17.7x10 ⁻⁶ per°C
Tensile Strength (Min)		510 N/mm per°C
Elongation on 50m (Min)		30%
Young's Modulus of Elasticity	at 20°C	200KN/mm
	at 100°C	192.5KN/mm



Stainless Steel

TBI Stainless Steel Tube

BSEN10217-7

Size DN65-200mm

Dimension is according to BSEN ISO 1127

Fabrication and Inspection Processes are approved by PED 97/23/EC

Weld Factor = 1

**Dimensions & Minimum
Wall Thickness for
PLUMBLING SERVICES**

P/N : TBIGEFSTS1

Nominal Size 尺寸	OD (mm) 外徑	Wall Thickness 厚度	Weight KG / Mtr 重量
65	76.1	2.30	4.244
80	88.9	2.30	4.980
100	114.3	2.30	6.440
150	168.3	3.00	12.398
200	219.1	3.00	16.208

P/N : TBIGEFSTS2

Nominal Size	OD (mm)	Wall Thickness	Weight KG / Mtr
65	76.1	2.60	4.778
80	88.9	2.60	5.610
100	114.3	2.60	7.261
150	168.3	3.00	12.398
200	219.1	3.00	16.208

**Dimensions & Minimum
Wall Thickness as per
HKHA Requirement**

Nominal Size	OD (mm)	Wall Thickness	Weight KG / Mtr
65	76.1	2.60	4.778
80	88.9	2.60	5.610
100	114.3	2.60	7.261
150	168.3	3.00	12.398
200	219.1	3.00	16.208

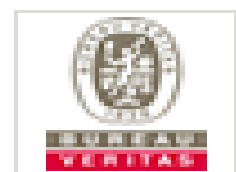
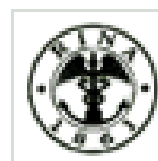
Stainless steel has a host of benefits that make it a great choice for transporting basically drinking water and potable water used for regular domestic hotel and hospital water consumption. Stainless steel being non-reactive with water, does not leach any chemicals into the water, hence making it uncontaminated and unfit for human consumption. In a DWI study of UK, it was found that the levels of leaching of nickel and chromium were less than 5% of the maximum permissible limit as per the European Drinking Directive.

Stainless steel is the only material allowed by water regulation bodies in US to be used for public water supply in domestic or institutional cases without being subjected to testing beforehand.

TBI stainless steel welded tubes and pipes are manufactured by YC Inox of Taiwan. YC Inox has evolved into a leading stainless steel industry in Taiwan since 1973. YC Inox, an ISO-9001 quality management and ISO-14001 environment management approved company, is expertise in manufacturing stainless steel welded tubes and pipes. YC Inox has adopted the most advanced technology in controlling product quality in every phase, from slitting, forming, solid solution heat treating, sizing, straightening, square cutting and pickling are under consistent-rigid manufacturing procedure. After Hydrostatic Test & Eddy Current Test, more comprehensive testing, such as stretching, crashing, expansion, shaping, surface testing, acid testing, and metallurgy microscopic structure testing are adopted to assure quality complying with CNS, ASTM, JIS, DIN, EN standards.

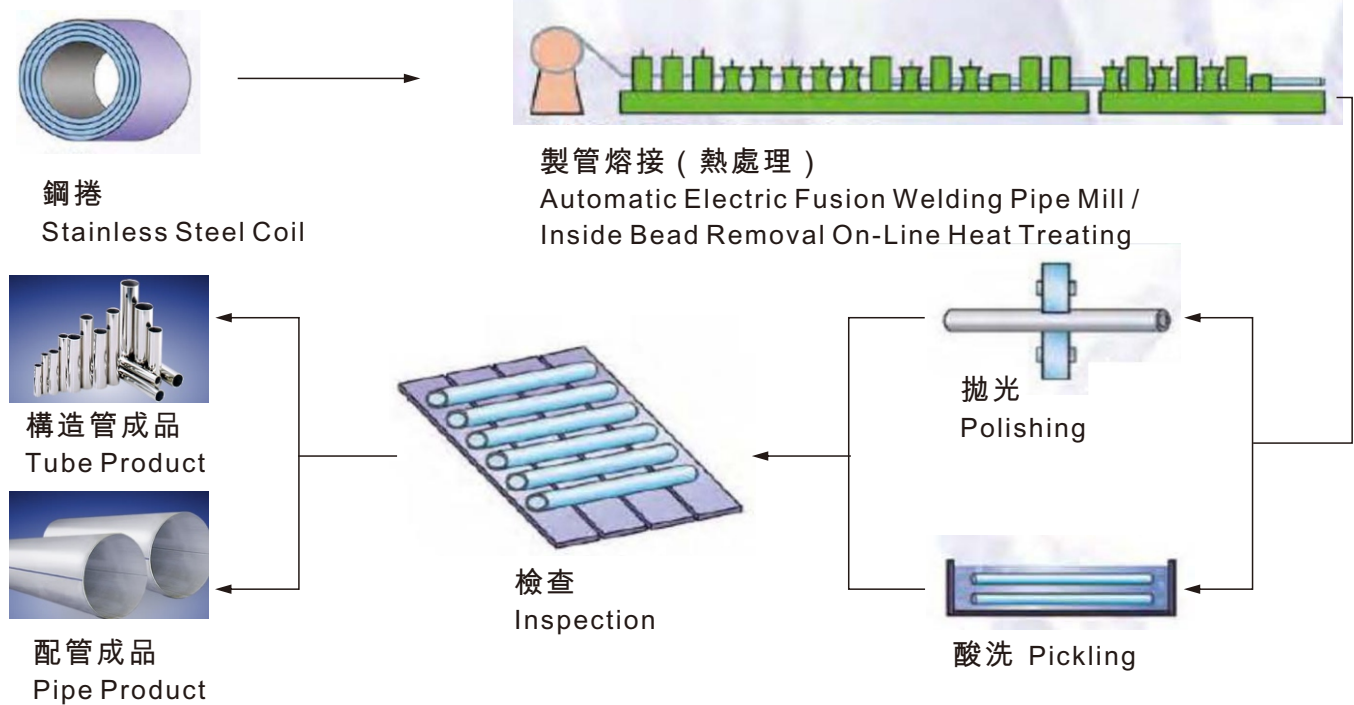


允強實業廠房



生產流程 Manufacturing Process

Pipe / Tube by Coil (20"以下 / Under 20")

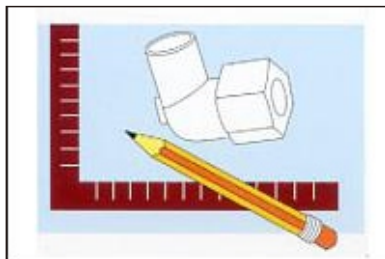


品質保證 Quality Assurance

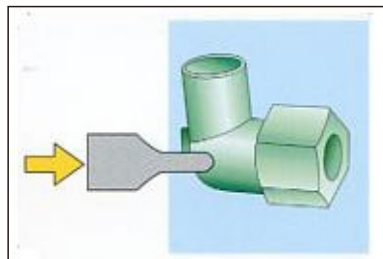


TBI stainless steel double seals press-fit fittings are moulded by precision investment casting process and then in utilization of CNC controlled turning, milling with 4th axis machines and multi-spindle & bar feeder machines as well as other subsidiary production facilities. The ISO-9001, AD2000/TRD 100 PED certified foundries own modern facilities and professional production and layout. Built in house machine shop, all cast in ASTM, DIN, EN, BS, JIS standards with tolerance demand, provide completed machining reports. All TBI stainless steel press-fit fittings are 100% subjected to a pneumatic test at 20 bar including fitting body, sealing O-ring and the jointings before shipment.

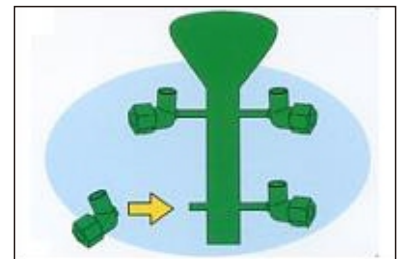
精密鑄造流程 Investment Casting Process



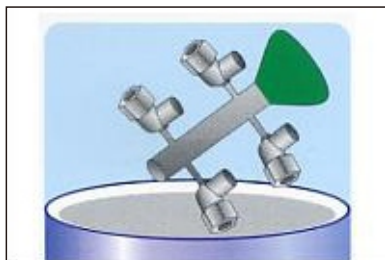
Cast Friendly design



Wax Pattern



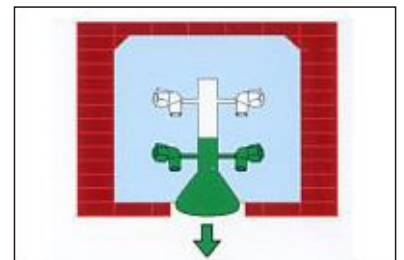
Wax pattern assembly



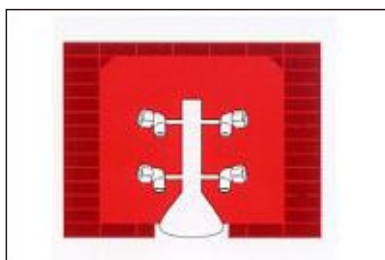
Shell making



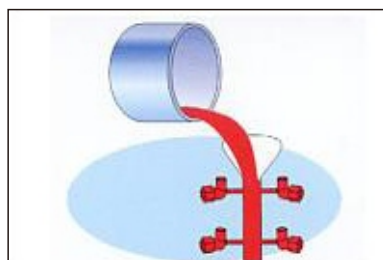
Sand coating



Dewaxing



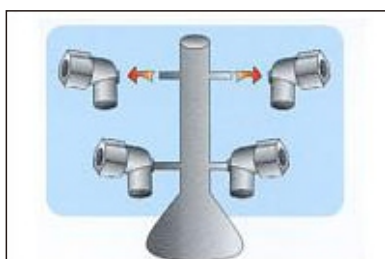
Shell mold firing



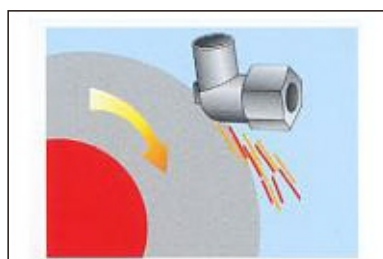
Molten metal pouring



Shell removal



Tree removal



Cast product finishing



Quality control

Quality Assurance

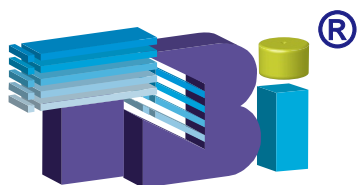


CNC Machining



Pneumatic Test

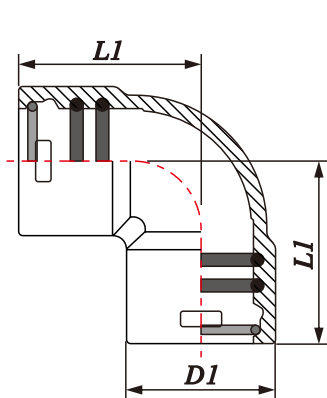




Stainless Steel

TBI DOUBLE SEALS PRESS-FIT FITTINGS 15 – 54 mm

Compatible With BSEN10312 Series 1, 2 and BSEN10217-7 Tube

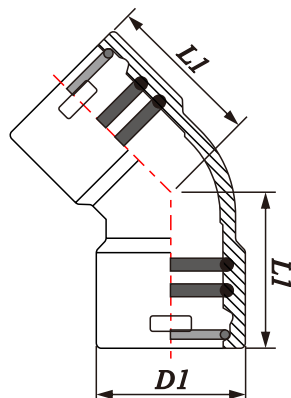


90度彎頭
90° Elbow

P/N : TBIPFF90E



Size	D1	L1
15	21	33.0
22	29	37.0
28	36	40.0
35	43	44.5
42	51	49.0
54	65	55.0

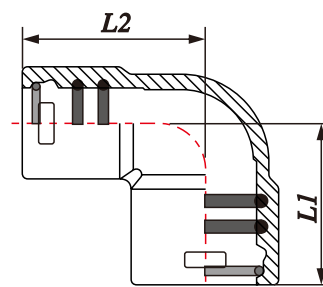


45度彎頭
45° Elbow

P/N : TBIPFF45E



Size	D1	L1
15	21	29.5
22	29	31.5
28	36	32.5
35	43	34.5
42	51	36.5
54	65	39.0

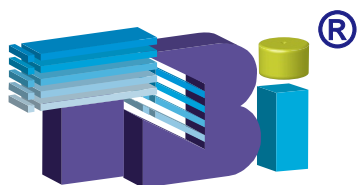


90度異徑彎頭
Unequal Elbow

P/N : TBIPFF90UE



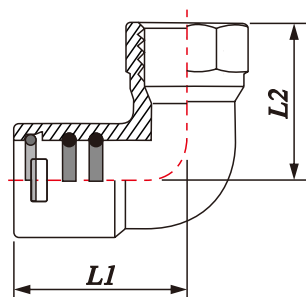
Size	L1	L2
22×15	32.5	36.5
28×22	36.5	39.5



Stainless Steel

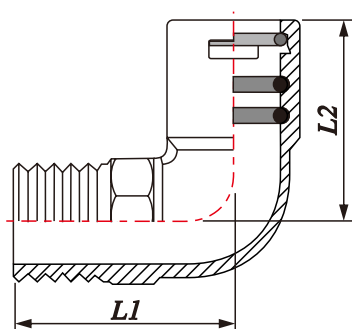
TBI DOUBLE SEALS PRESS-FIT FITTINGS 15 – 54 mm

Compatible With BSEN10312 Series 1, 2 and BSEN10217-7 Tube



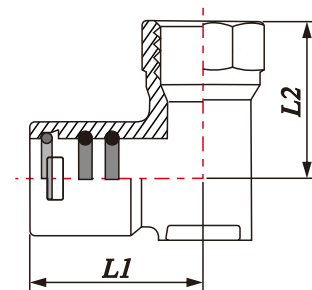
內牙彎頭
Female Screw Thread Elbow

P/N : TBIPFFFSTE



外牙彎頭
Male Screw Thread Elbow

P/N : TBIPFFMSTE



龍頭座
Wall Plate Elbow

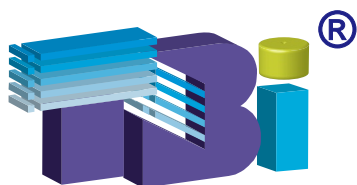
P/N : TBIPFFWPE



Size	L1	L2
15×½"	32.5	30
22×½"	34.5	31
22×¾"	36.5	34
28×½"	34.5	34
28×¾"	36.5	34
28×1"	39.5	38
42×¾"	37.5	44
42×1½"	48.5	47
54×¾"	39.0	50
54×1"	42.0	50
54×2"	54.0	55
15×½"Long	33.5	48
22×½"Long	34.5	55
22×¾"Long	36.5	57
28×1"Long	40.5	67

Size	L1	L2
15×½"	37	32.5
22×¾"	40	36.5
28×¾"	40	36.5
28×1"	42	40.5
35×¾"	44	36.5
35×1"	46	39.5
42×¾"	51	36.5
42×1"	51	40.5
42×1¼"	54	44.5
54×¾"	58	38.5
54×2"	66	57.0

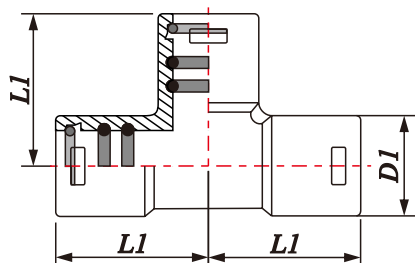
Size	L1	L2
15×½"	36.5	29



Stainless Steel

TBI DOUBLE SEALS PRESS-FIT FITTINGS 15 – 54 mm

Compatible With BSEN10312 Series 1, 2 and BSEN10217-7 Tube

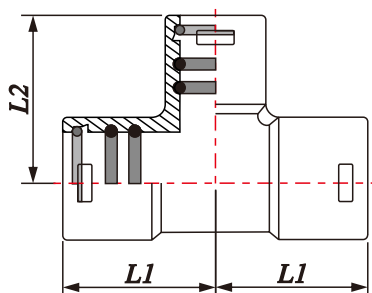


同徑三通
Equal Tee

P/N : TBIPFFET



Size	D1	L1
15	21	33.0
22	29	37.0
28	36	40.0
35	43	44.5
42	51	49.0
54	65	55.0

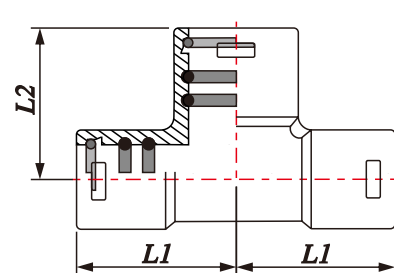


異徑三通
Unequal Tee

P/N : TBIPFFUT



Size	L1	L2
22×15	32.5	36.5
28×15	33.5	39.5
28×22	36.5	39.5
35×15	33.5	43.5
35×22	36.5	43.5
35×28	39.5	43.5
42×15	33.5	46.5
42×22	36.5	46.5
42×28	39.5	46.5
42×35	44.5	49.5
54×15	35.0	52.5
54×22	39.0	52.5
54×28	41.0	52.5
54×35	45.5	54.5
54×42	49.5	54.5

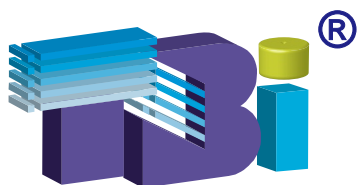


大肚三通
Unequal Tee (Big Tee)

P/N : TBIPFFBT



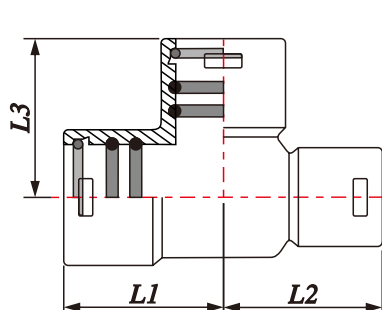
Size	L1	L2
15×15×22	36.5	32.5
22×22×28	39.5	37.5



Stainless Steel

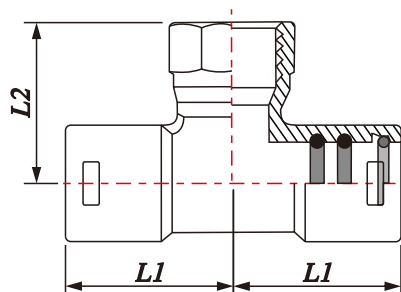
TBI DOUBLE SEALS PRESS-FIT FITTINGS 15 – 54 mm

Compatible With BSEN10312 Series 1, 2 and BSEN10217-7 Tube



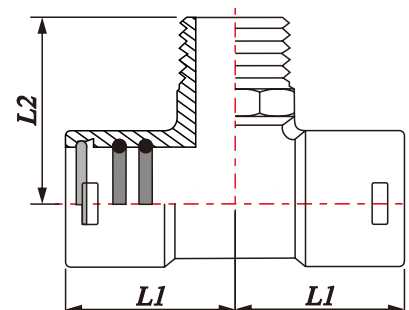
朱咀三通
Unequal Tee (Pig Tee)

P/N : TBIPFFPT



內牙三通
Female Screw Thread Tee
P x P x F

P/N : TBIPFFFSTTPPT



外牙三通
Male Screw Thread Tee
P x P x M

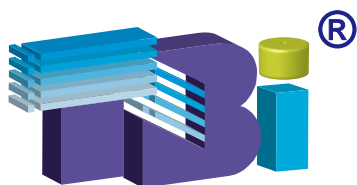
P/N : TBIPFFMSTTPPT



Size	L1	L2	L3
22×15×15	33.5	33.5	36.5
22×15×22	37.0	36.5	36.5
22×15×28	39.0	43.0	37.0
28×15×22	36.5	41.5	39.5
28×15×28	39.0	43.0	40.0
28×22×15	33.5	36.5	39.0
28×22×22	36.5	36.5	39.5
28×22×28	39.5	39.5	39.5

Size	L1	L2
15×½"	33.0	30
22×½"	35.5	31
22×¾"	36.5	31
28×½"	34.5	36
28×¾"	37.5	37
28×1"	40.5	37
35×¾"	36.5	41
42×¾"	37.5	44
54×¾"	39.5	50
54×1"	42.5	50

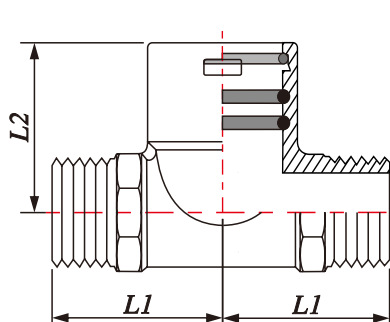
Size	L1	L2
28×¾"	35.5	40
35×¾"	35.5	44
35×1"	39.5	46
42×¾"	35.5	49
42×1"	39.5	50
42×1¼"	44.5	54
54×¾"	39.0	57
54×1"	40.0	58
54×2"	57.0	66



Stainless Steel

TBI DOUBLE SEALS PRESS-FIT FITTINGS 15 – 54 mm

Compatible With BSEN10312 Series 1, 2 and BSEN10217-7 Tube

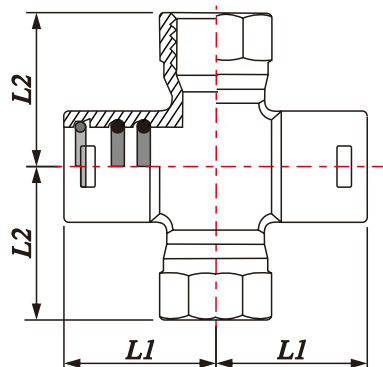


外牙大肚三通
Male Screw Thread Tee
M x M x P

P/N : TBIPFFMSTTTTP



Size	L1	L2
35×¾"	47	37.5
42×¾"	50	37.5
54×¾"	57	38.5
54×1¼"	62	45.5

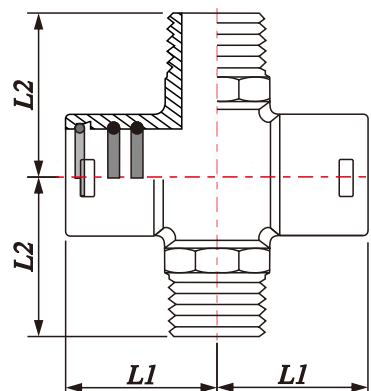


內牙四通
Female Screw Thread Cross Tee

P/N : TBIPFFFSTCT



Size	L1	L2
42×¾"	37.5	44
54×¾"	39.0	50

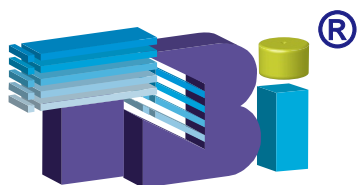


外牙四通
Male Screw Thread Cross Tee

P/N : TBIPFFMSTCT



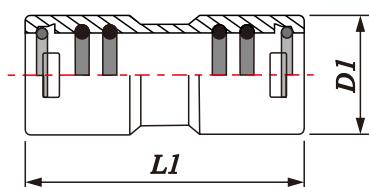
Size	L1	L2
42×¾"	35.5	49
54×¾"	39.0	57
54×1¼"	45.0	61



Stainless Steel

TBI DOUBLE SEALS PRESS-FIT FITTINGS 15 – 54 mm

Compatible With BSEN10312 Series 1, 2 and BSEN10217-7 Tube

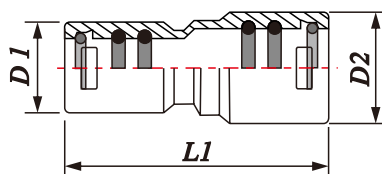


同徑接頭
Straight Coupling

P/N : TBIPFFSC



Size	D1	L1
15	21	52.0
22	29	52.0
28	36	53.0
35	43	58.0
42	51	58.5
54	65	58.5

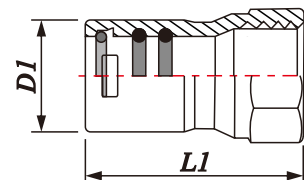


異徑接頭
Reducer

P/N : TBIPFFCR



Size	D1	D2	L1
22×15	21	29	59.0
28×15	21	36	62.0
28×22	29	36	60.0
35×15	21	43	64.0
35×22	29	43	63.0
35×28	36	43	61.0
42×15	21	51	69.0
42×22	29	51	67.0
42×28	36	51	64.0
42×35	43	51	64.0
54×15	21	65	75.0
54×22	29	65	73.0
54×28	36	65	71.0
54×35	43	65	69.0
54×42	51	65	67.0

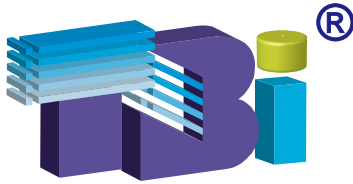


內牙接頭
Female Screw Thread
Connector

P/N : TBIPFFFSTC



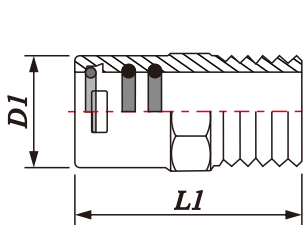
Size	D1	L1
15×½"	21	41.5
22×½"	29	42.5
22×¾"	29	42.5
28×1"	36	44.5
35×1¼"	43	46.5
42×1½"	51	48.5
54×2"	65	51.5



Stainless Steel

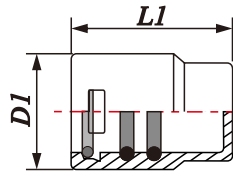
TBI DOUBLE SEALS PRESS-FIT FITTINGS 15 – 54 mm

Compatible With BSEN10312 Series 1, 2 and BSEN10217-7 Tube



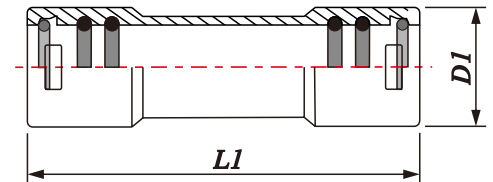
外牙接頭
Male Screw Thread
Connector

P/N : TBIPFFMSTC



塞頭
End Cap

P/N : TBIPFFEC



長接頭
Long Straight Coupling

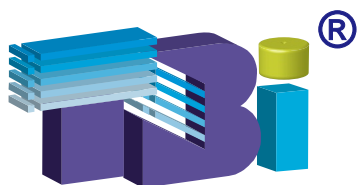
P/N : TBIPFLSC



Size	D1	L1
15×1/2"	21	43.5
22×3/4"	29	45.0
28×1"	36	45.5
35×1 1/4"	43	49.5
42×1 1/2"	51	50.5
54×2"	65	56.0

Size	D1	L1
15	21	29.5
22	29	29.5
28	36	30.5
35	43	30.5
42	51	31.5
54	65	31.5

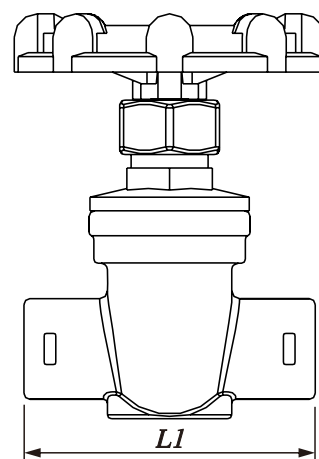
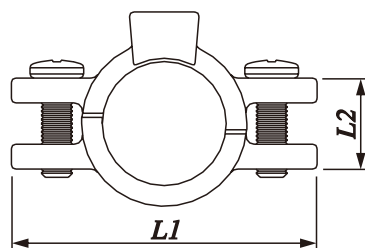
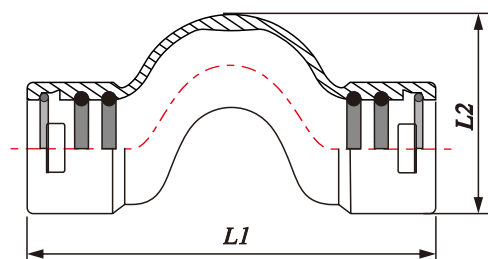
Size	D1	L1
15	21	104
22	29	104
28	36	104



Stainless Steel

TBI DOUBLE SEALS PRESS-FIT FITTINGS 15 – 54 mm

Compatible With BSEN10312 Series 1, 2 and BSEN10217-7 Tube



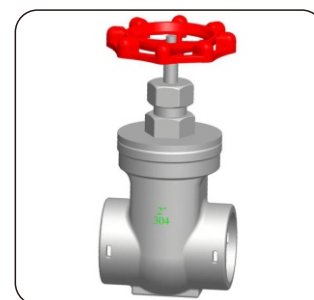
過橋接頭
The Bridge Joint
P/N : TBIPFBJ

Size	L1	L2
22	93	44
28	141	50



定向扣
Fix Clip
P/N : TBIPFFFC

Size	L1	L2
15	37	11
22	44	13
28	52	13
35	63	16
42	70	18
54	82	20



卡壓式閘閥
(GV-03)
P/N : TBIPFFGV

Size	L1
½"	74
¾"	76
1"	77
1¼"	92
1½"	94
2"	96



Stainless Steel

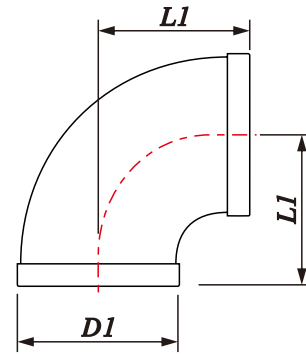
TBI GROOVED END FITTINGS 65-150mm

Compatible With BSEN10217-7 Tube

90度彎頭

90° Elbow

P/N : TBIGEF90E

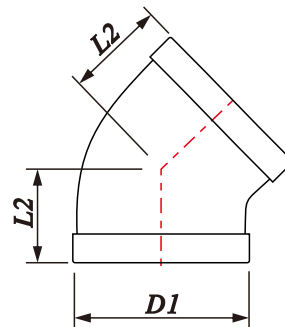


Nominal Size (DN)	Pipe O.D.	90° Elbow L1
65	76.1	74
80	88.9	85
100	114.3	107
150	168.3	140

45度彎頭

45° Elbow

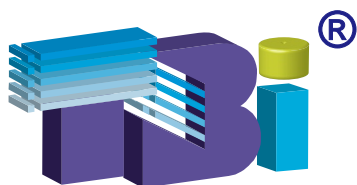
P/N : TBIGEF45E



Nominal Size (DN)	Pipe O.D.	45° Elbow L2
65	76.1	41
80	88.9	44
100	114.3	53
150	168.3	65

所有的尺寸為 mm

All dimensions are in mm



Stainless Steel

TBI GROOVED END FITTINGS 65-150mm

Compatible With BSEN10217-7 Tube

溝槽同徑三通及異徑三通

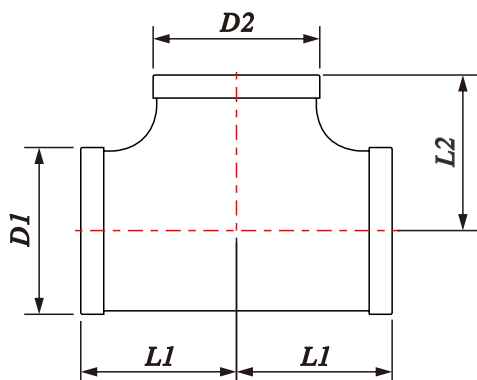
Groove Equal Tee & Reducing Tee

P/N : TBIGEFET

P/N : TBIGEFRTGG



Nominal Size (DN)	Run	Outlet	L1 / L2	
	Outside Dia. Of Pipe OD1	Outside Dia. Of Pipe OD2	L1	L2
65×65	76.1	76.1	74	74
80×65	88.9	76.1	76	83
80×80	88.9	88.9	85	85
100×65	114.3	76.1	78	95
100×80	114.3	88.9	89	102
100×100	114.3	114.3	107	107
150×65	168.3	76.1	82	128
150×80	168.3	88.9	90	128
150×100	168.3	114.3	108	132
150×150	168.3	168.3	140	140



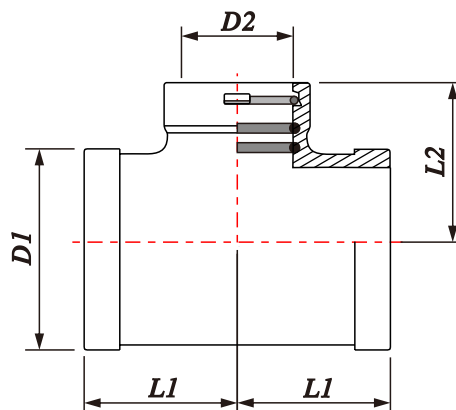
溝槽轉承雙防漏卡壓異徑三通

Groove x DS Press-Fit Reducing Tee

P/N : TBIGEFRTGP



Nominal Size (DN)	Run	Outlet	L1 / L2	
	Outside Dia. Of Pipe OD1	Outside Dia. Of Pipe OD2	L1	L2
65×54	76.1	54	66	73
80×54	88.9	54	61	72
100×54	114.3	54	63	84
150×54	168.3	54	63	108



所有的尺寸為 mm

All dimensions are in mm



Stainless Steel

TBI GROOVED END FITTINGS 65-150mm

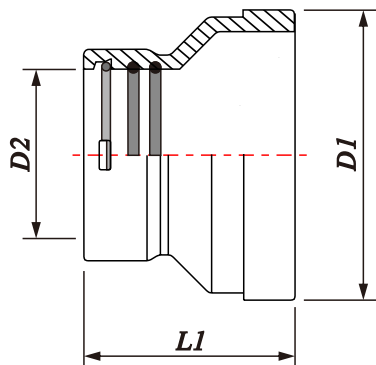
Compatible With BSEN10217-7 Tube

P/N : TBIGEF CRGP



溝槽轉承雙防漏卡壓異徑接頭

Groove x Press-Fit Concentric Reducer



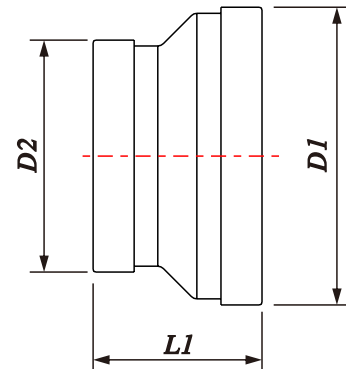
Nominal Size (DN)	D1	D2	L1
65×54	76.1	54	58
80×35	88.9	35	76
80×42	88.9	42	71
80×54	88.9	54	65
100×54	114.3	54	77
150×54	168.3	54	105

P/N : TBIGEF CRGG



溝槽異徑接頭

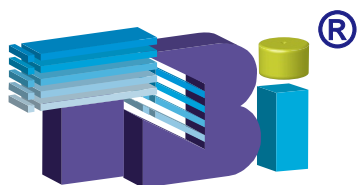
Groove x Groove Concentric Reducer



Nominal Size (DN)	D1	D2	L1
80×65	88.9	76.1	59
100×65	114.3	76.1	72
100×80	114.3	88.9	65
150×65	168.3	76.1	98
150×80	168.3	88.9	92
150×100	168.3	114.3	80

所有的尺寸為 mm

All dimensions are in mm



Stainless Steel

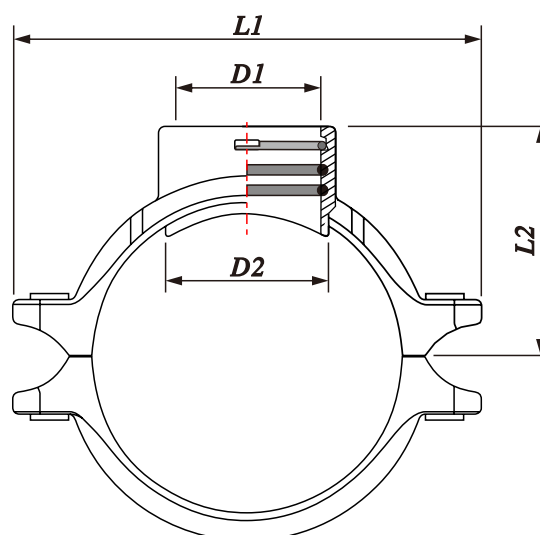
TBI GROOVED END FITTINGS 65-150mm

Compatible With BSEN10217-7 Tube

機械管扣三通

P/N : TBIGEFMTGP

Groove Tee Mechanical
Groove x DS Press-Fit



Nominal Size (DN)	Pipe OD	D1	D2	L1	L2
65×15	76.1	15	32	124	68
65×35	76.1	35	38	124	69
65×42	76.1	42	46	124	64
80×22	88.9	22	38	140	71
80×42	88.9	42	46	140	71
80×54	88.9	54	60	140	71
100×22	114.3	22	38	172	84
100×42	114.3	42	46	172	86
100×54	114.3	54	60	172	84
150×54	168.3	54	60	236	113

所有的尺寸為 mm

All dimensions are in mm



Stainless Steel

TBI GROOVED END FITTINGS 65-150mm

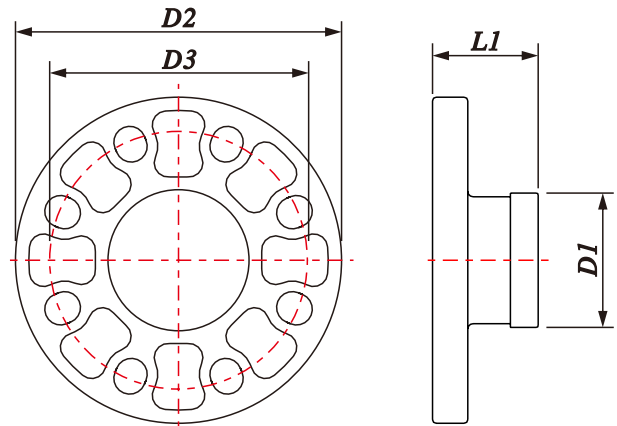
Compatible With BSEN10217-7 Tube

P/N : TBIGEFFA

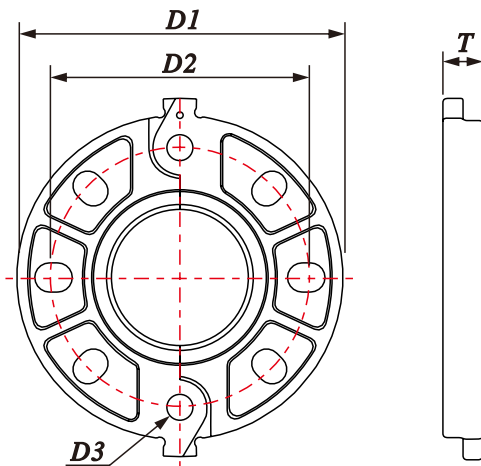


法蘭溝槽接頭

Flange Adaptor



Nominal Size (DN)	Pipe O.D. D1	D2	D3	L1
65	76.1	185	145	60
80	88.9	199	160	60
100	114.3	220	180	62
150	168.3	285	240	66



P/N : TBIGEFFFQF



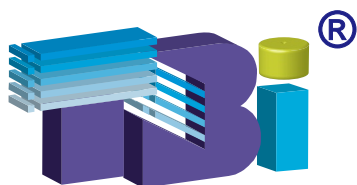
法蘭壓槽片

Quick Flange

Nominal Size (DN)	Pipe O.D.	D1	D2	D3	T
65	76.1	185	145	16	20
80	88.9	200	160	16	20
100	114.3	220	280	16	22
150	168.3	285	240	20	24

所有的尺寸為 mm

All dimensions are in mm



Stainless Steel

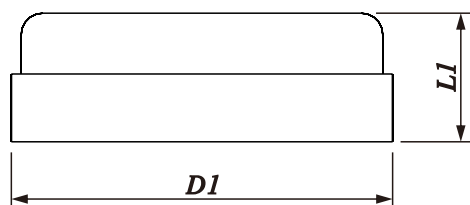
TBI GROOVED END FITTINGS 65-150mm

Compatible With BSEN10217-7 Tube

溝槽塞頭

Groove End Cap

P/N : TBIGEFEC



Nominal Size (DN)	D1	L1
65	76.1	30
80	88.9	30
100	114.3	30
150	168.3	30



P/N : TBIGEFRC



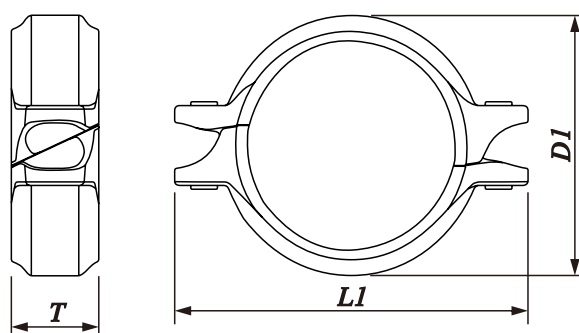
斜口管扣

Groove Coupling-Rigid Type

P/N : TBIGEFSG

P/N : TBIGEFF

Nominal Size (DN)	Pipe O.D.	D1	L1	T
65	76.1	94	135	44
80	88.9	107	148	44
100	114.3	137	186	46
150	168.3	200	256	47



止水膠及螺絲

Gasket & Fastener

Nominal Size (DN)	Silicon Gasket			Fastener
	OD	ID	W	
65	87.5	67	29	M10
80	101.0	80	29	M10
100	129.5	104	29	M12
150	186.5	154.8	30	M16

All sealing materials are chloramine - resistance

所有的尺寸為 mm

All dimensions are in mm



開捷企業TOPBUILD

不銹鋼飲用水管道系統

綠色環保產品，配件可裝、可拆、循環再用

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