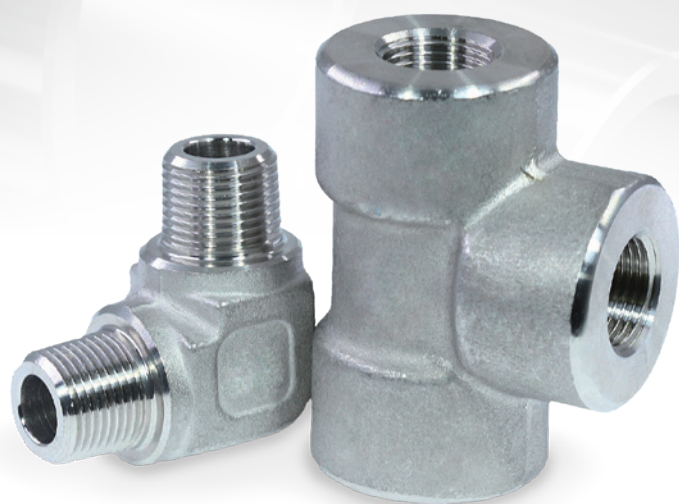




轉換接頭 Pipe Fittings

一般管件接頭 Pipe Fittings

高壓管件接頭 High Pressure Pipe Fittings



您的安全，奇賓接管
YOUR SAFETY, CHIBIN TAKES CARE OF

公司簡介

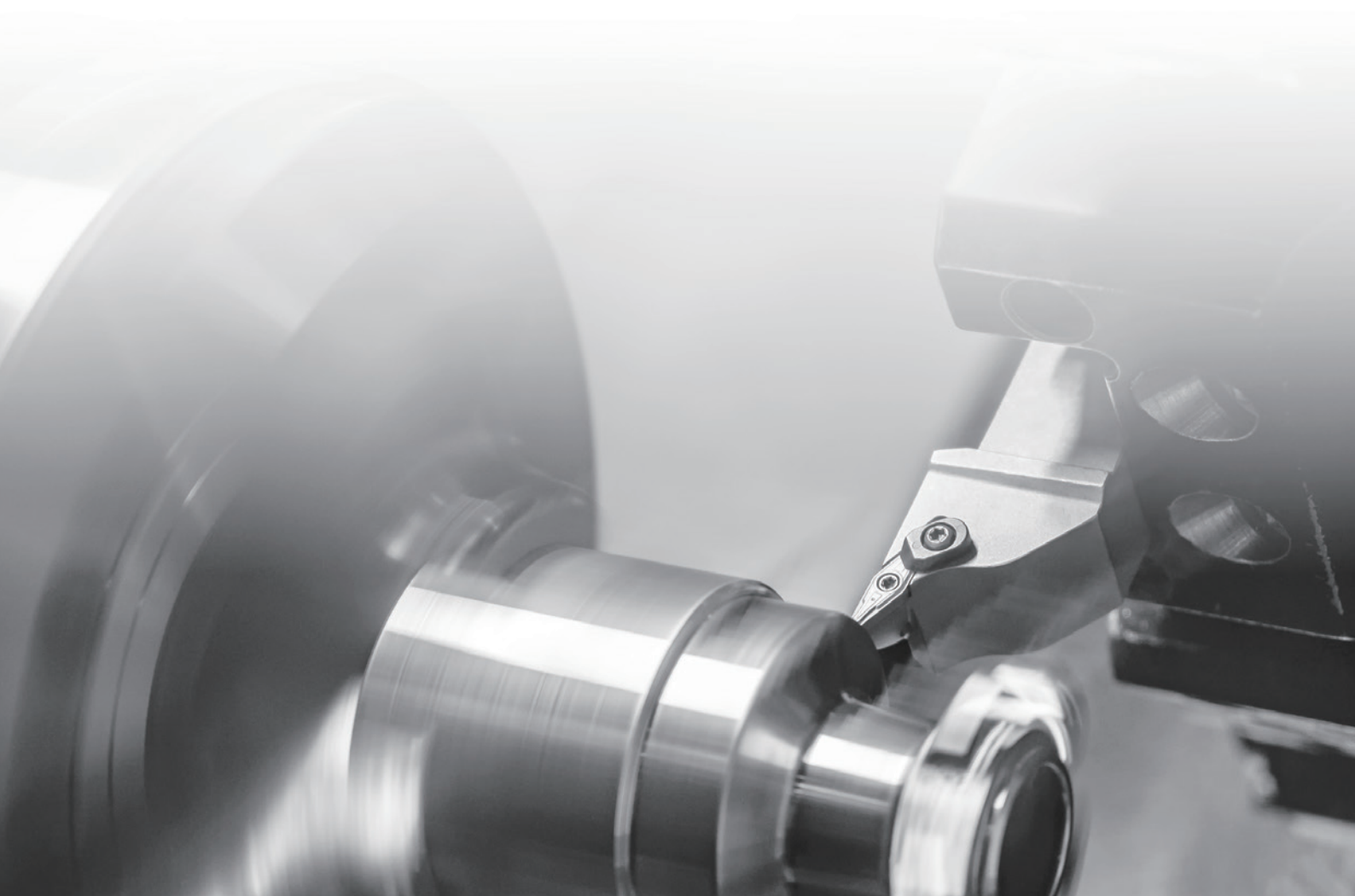
Company Profile

奇賓機械有限公司創立於西元1980年，為台灣首家專業以『不鏽鋼接頭為主要產品』的優質製造商。

奇賓於創立初期即因品質優良受選為台塑集團指定不鏽鋼接頭主要供應商，迄今本公司仍持續提供台塑集團產品。目前服務台灣地區三千間以上客戶，除國家研究單位，且也是國內知名上市、上櫃企業之優質供應商。狹著優良之品質及數十年的品牌信譽，奇賓近期持續發展國外商業版圖，產品已外銷到日本、澳洲、馬來西亞、大陸等地。

CHIBIN Machine Co., Ltd. was established in 1980 and has been the first leading company committed to producing stainless steel fittings in Taiwan.

In the beginning of establishment, our excellent quality has been selected as the main supplier of stainless steel fittings for Formosa Plastics Group. We still continue to supply products to them until now. So far we already serve more than 3,000 customers in Taiwan, including national research units and well-known domestic listed companies. With exceptional quality and brand reputation for decades, recently we keep expanding overseas business to Japan, Australia, Malaysia, China, etc.



奇寶計有十四大類標準產品，深受客戶的推崇使用，在雙片啖入式接頭、快速接頭、省力快插接頭，更是本公司具有國際競爭力產品，已受多數國外買主持續採購販售、使用。
為客戶打造全面性的客製化服務，以誠信實在的服務精神及合理價格，為客戶提供最滿意的製品。

We have fourteen categories of standard products which have been highly recommended by the customers. Especially tube fittings, quick couplings and push-in pneumatic fittings are with international competitiveness and many foreign buyers continuously place orders.
Providing customers comprehensive customization and the most satisfactory products with honest service and reasonable price.

01 硬管接頭 Metal Tube Fittings

雙片啖入式接頭 Tube Fittings
單片鋼管接頭 Compression Fittings

02 軟管接頭 Soft Tube Fittings

飛速型接頭 Rapid Pneumatic Fittings
省力快插接頭 Push-in Pneumatic Fittings

03 油管接頭 Hydraulic Fittings

油壓接頭 Hydraulic Fittings
油壓活動接頭 Swivel Fittings
軟管夾頭 Crimp Hose Fittings

04 轉換接頭 Pipe Fittings

一般管件接頭 Pipe Fittings
高壓管件接頭 High Pressure Pipe Fittings

05 快速接頭 Quick Couplings

單閉快速接頭 One-Way Shutoff Quick Couplings
雙閉快速接頭 Two-Way Shutoff Quick Couplings
暢通快速接頭 Straight Through Quick Couplings
大流量快速接頭 Camlock Quick Couplings

06 閥類 Valves Y 型過濾器 YStrainer 噴嘴 Nozzles

07 客製品 OEM

閥類型 Valves
快速接頭類型 Quick Couplings
噴嘴類型 Nozzles
其他類型 Others



產品應用廣

奇賓產品應用極廣，可應用於自動化設備、各式壓力、溫度及流量錶頭、水處理設備、實驗室設備與配管、食品機械、機械加工設備、船艙配管、化工儀表、油壓管路設備、高壓清洗設備等處。

奇賓產品應用的產業涵蓋產業有半導體產業、化工產業、水處理產業、船用五金、重工機械、及氣動工具零件，近年來也開始跨足食品及醫療零件等相關客製化產品。

CHIBIN products have wide applications for automation equipment, various pressure, thermal and flow meters, water treatment equipment, laboratory equipment and piping, food machinery, machining equipment, piping in vessel cabin, chemical instrument, hydraulic pipe equipment, high pressure cleaning equipment, etc.

CHIBIN products are applied for industries including semiconductor, chemical, water treatment, vessel hardware, heavy machinery and pneumatic tool components. In recent years, we also start to provide customized products for food and medical components.



完整的 生產品質管制體系



本公司通過ISO9001國際標準品質驗證，品質更是不斷向上提升，全力為顧客解決管配件上的困擾，並帶給顧客極具競爭力產品及快速又便捷的服務。

本公司以堅強的生產團隊，嚴謹的製程控制及品質保證制度，以及結合長期配合良好且評鑑合格之鍛造、鑄件加工、熱處理等協力廠，建構一個完整的生產品質管制體系。

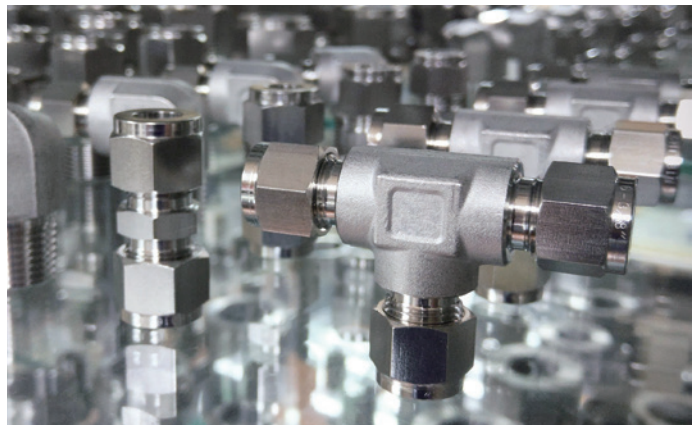
We already passed ISO 9001 certification to continuously ensure higher quality. We are doing all our best to provide the customers total solution for the pipe fittings as well as highly competitive products, speedy and convenient service.

We set up a complete production quality control system with a strong production team, strict process control and quality assurance system as well as long-term cooperative and qualified subcontractors of forging, casting processing, heat treatment, and so on.

品質至上 顧客第一

奇賓始終秉持著誠信用心、品質卓越、服務第一之經營思維，持續塑造本公司之優質產品，聯結良性的經濟體系，「您的安全 奇賓接管」。

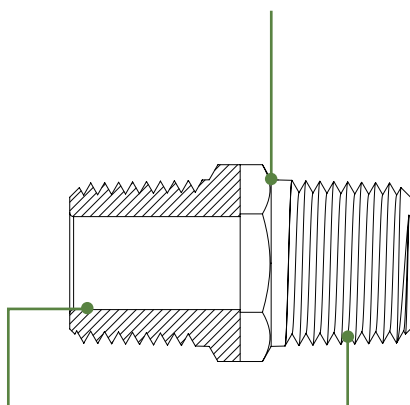
We always adhere to the business philosophy of honesty, outstanding quality and service first to continuously provide high quality products for connecting benign economic system.
"Your Safety ,CHIBIN Takes Care Of".



一般管件接頭

Pipe Fittings

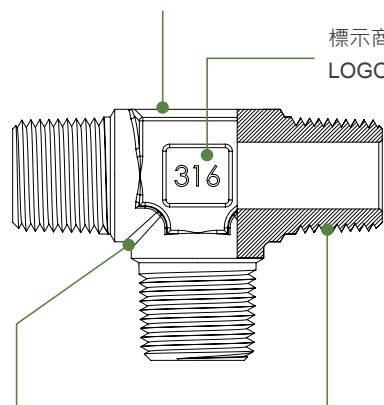
直型接頭以實心棒材加工製造。
Straight fittings are made from bar stock.



內表面沒有毛利。
Burr-free on the inner surfaces.

均使用環栓規為檢測標準。
Take ring gauge and plug gauge as the inspection standard.

彎頭及三通接頭以鍛造生產。
Elbows and Tees are made from forgings.



標示商標及材質。
LOGO and material

管控彎頭及三通接頭毛胚的角度，以達到精準的配管。
Control the angles on Elbows and Tees to have accurate piping.

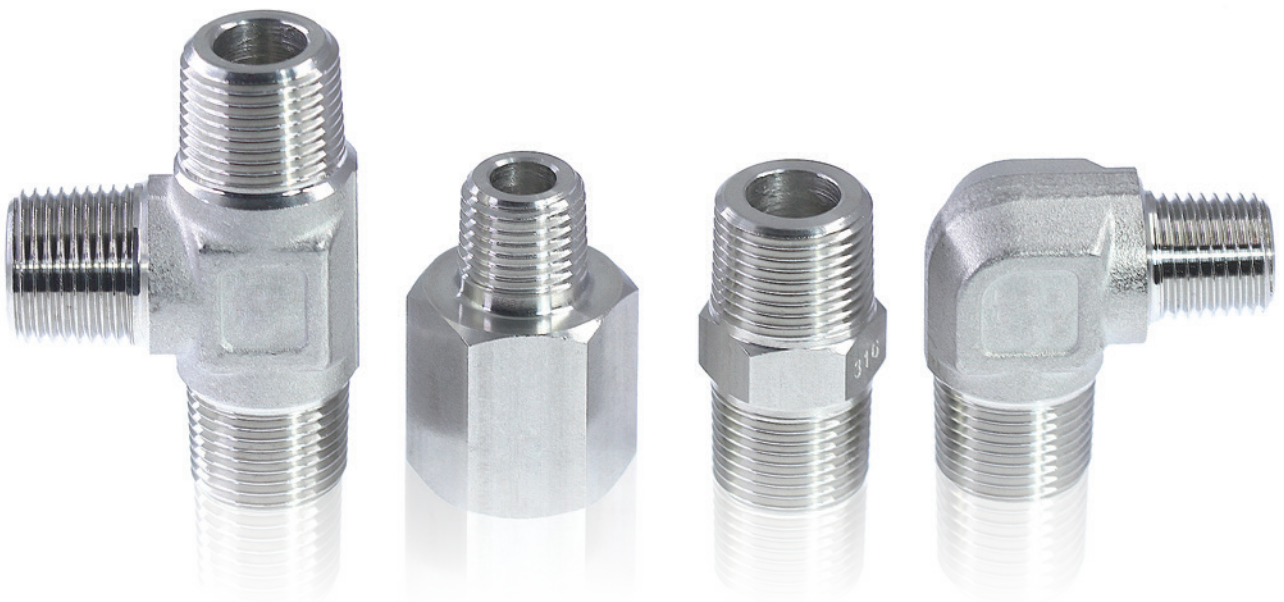
螺紋牙均依每一標準牙型之牙刀車製而成，所以牙尖不產生毛利。
All threads are made by each standard thread turning, so it won't create burr.

應用 / 特色

- 適用於各種產業的設備組裝及液體、氣體配管連接。
 - ※經特殊處理，可適用食品與醫療設備。(依使用條件訂定)
 - ※安裝前請預先於管外牙(PT、NPT)塗抹防卡劑或纏繞止洩帶。

技術參數

- 工作壓力：210 kgf/cm²
- 尺寸：1/8"~2"
- 螺紋：PT、NPT
- 全系列產品包括直型、彎頭、三通等內外牙接頭，如有其他螺紋牙，可接受訂製。



材質 Material : SUS304 、 316

Application / Features

- Suitable for equipment assembly, liquid and gas piping in various industries.
- ※ Suitable for food and medical equipment subject to special treatment. (specific to operation conditions)
- ※ Please apply anti-seize lubricant or seal tape on male thread (PT, NPT) before installation.

Technical Data

- Working Pressure : 210 kgf/cm²
- Size : 1/8"~2"
- Thread : PT 、 NPT
- All series products are including straight, elbow, tee of male and female fittings. Other threads can be customized.

訂購訊息

Ordering Information

型號舉例 Example | **HRN15T06T-316**、**BHMC06H15T-D**

接頭型式 Fitting Type	1 螺紋尺寸 Thread Size	3 螺紋型式 Thread Type	1 螺紋尺寸 Thread Size	3 螺紋型式 Thread Type	—	4 材質 Material
HRN	15	T	06	T	—	316
六角雙外牙異徑接頭 Hex Reducing Nipple	1/2"	PT	1/4"	PT	—	SUS316

接頭型式 Fitting Type	2 軟管內徑 Hose ID	1 螺紋尺寸 Thread Size	3 螺紋型式 Thread Type	—	5 加工方式 Process
BHMC	06H	15	T	—	D
搭接直外牙接頭 Barbed Hose Male Connector	3/4"	1/2"	PT	—	精密鑄造 Investment Casting

接頭型式請參考“索引”

For the Fitting Type, please refer to "Index".

1 螺紋尺寸代號 Thread Size Code

尺寸Size (in.)	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
代號Code	03	06	10	15	20	25	32	40	50

2 軟管內徑代號 Hose Inside Diameter (ID) Code

尺寸Size (in.)	3/16	1/4	5/16	3/8	1/2	5/8	3/4	1	1-1/4	1-1/2	2
代號Code	15H	02H	25H	03H	04H	05H	06H	08H	10H	12H	16H

3 螺紋型式代號 Thread Type Code

型式 Type	PT 管用錐形螺紋	NPT 美制管用錐形螺紋
代號 Code	T	N
規範 Specification	Taper Pipe Threads (JIS B0203, ISO7/1)	American National Standard Taper Pipe Threads (ANSI B1. 20. 1)

4 材質代號 Material Code

材質 Material	SUS304	SUS316
代號 Code	空白Blank	316

5 加工方式代號 Process Code

方式	精密鑄造 Investment Casting	棒材加工(條車) Bar stock process
代號 Code	D	T

索引 Index

一般管件接頭 Pipe Fittings

P.05



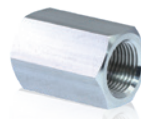
外六角塞頭
HP
Hex Plug

P.05



內六角塞頭
HHP
Hollow Hex Plug

P.06



六角雙內牙
HCG
Hex Coupling

P.06



六角雙內牙異徑
HRCG
Hex Reducing Coupling

P.07



雙內牙隔板
HBCG
Hex Bulkhead Coupling

P.07



六角雙外牙異徑
HRN
Hex Reducing Nipple

P.08



六角雙外牙
HN
Hex Nipple

P.08



卜申
HRB
Hex Reducing Bush

P.09



錶接
HA
Hex Adapter

P.09



彎雙外牙
MEL
Male Elbow

P.10



彎雙外牙異徑
RMEL
Reducing Male Elbow

P.10



彎內外牙
SEL
Street Elbow

P.11



三通外牙
MT
Male Tee

P.11



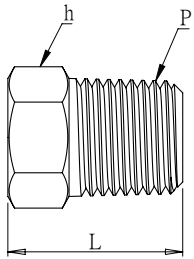
塔接彎外牙
BHME
Barbed Hose Male Elbow

P.12



塔接直外牙
BHMC
Barbed Hose Male Connector

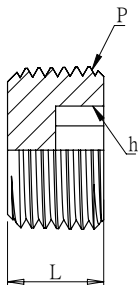
HP



外六角塞頭 Hex Plug

Part No	Thread Size	Dimensions	h 六角
	P-PT	L	
HP03T	1/8"	16	12
HP06T	1/4"	20	14
HP10T	3/8"	21	17
HP15T	1/2"	26	22
HP20T	3/4"	29	27
HP25T	1"	32	35
HP32T	1-1/4"	35	43
HP40T	1-1/2"	37	50
HP50T	2"	39	63.5

HHP



內六角塞頭 Hollow Hex Plug

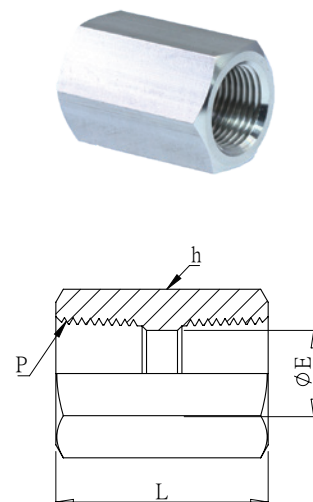
Part No	Thread Size	Dimensions	h 六角
	P-PT	L	
HHP03T	1/8"	7	5
HHP06T	1/4"	9	6
HHP10T	3/8"	10	8
HHP15T	1/2"	12	10
HHP20T	3/4"	14	12
HHP25T	1"	18	17

六角雙內牙接頭 Hex Coupling

Part No	Thread Size		Dimensions		h 六角
	P-PT		Ø E	L	
HCG03T	1/8"		8	21	14
HCG06T	1/4"		11	30	19
HCG10T	3/8"		14	33	22
HCG15T	1/2"		17	40	27
HCG20T	3/4"		22	41	32
HCG25T	1"		27	49	41
HCG32T	1-1/4"		35	50	55
HCG40T	1-1/2"		44	51	63
HCG50T	2"		54	65	70 or 72.2*

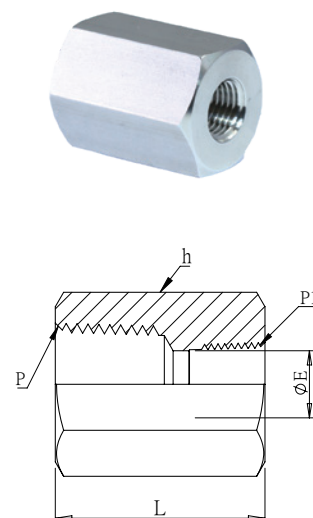
*尺寸依實際庫存供應，且本公司保有變更權利。

Size is according to the actual stock and we reserve the right of modification.

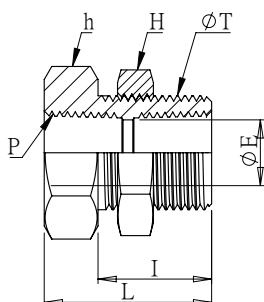


六角雙內牙異徑接頭 Hex Reducing Coupling

Part No	Thread Size		Dimensions		h 六角
	P-PT	P1-PT	Ø E	L	
HRCG06T03T	1/4"	1/8"	8	27	19
HRCG10T03T	3/8"	1/8"	8	28	21
HRCG10T06T	3/8"	1/4"	11	34	22
HRCG15T03T	1/2"	1/8"	8	35	27
HRCG15T06T	1/2"	1/4"	11	37	27
HRCG15T10T	1/2"	3/8"	14	38	27
HRCG20T15T	3/4"	1/2"	17	43	32
HRCG25T15T	1"	1/2"	17	51	41
HRCG25T20T	1"	3/4"	22	53	41



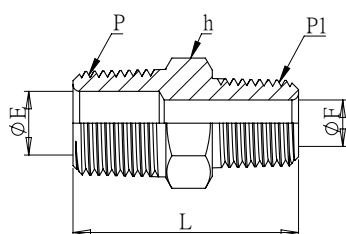
HBCG



雙內牙隔板接頭 Hex Bulkhead Coupling

Part No	Thread Size	Panel Hole Size	Dimensions			H 六角	h 六角
	P - PT	Ø T(穿板孔徑)	Ø E	I	L		
HBCG03T	1/8"	16.5	8	15	22	19	19
HBCG06T	1/4"	19.5	11	19	28	25.4	24
HBCG10T	3/8"	24.5	14	22	30	30	30
HBCG15T	1/2"	28.5	17	28	36	32	36
HBCG20T	3/4"	36.5	22	32	41	41	41

HRN



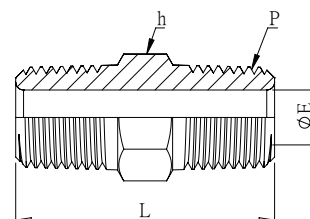
六角雙外牙異徑接頭 Hex Reducing Nipple

Part No	Thread Size		Dimensions			h 六角
	P-PT	P1-PT	Ø E	Ø F	L	
HRN06T03T	1/4"	1/8"	7	4.8	30	14
HRN10T03T	3/8"	1/8"	9.6	4.8	31	17
HRN10T06T	3/8"	1/4"	9.6	7	34	17
HRN15T03T	1/2"	1/8"	12	4.8	36	22
HRN15T06T	1/2"	1/4"	12	7	39	22
HRN15T10T	1/2"	3/8"	12	9.6	40	22
HRN20T06T	3/4"	1/4"	16	7	42	27
HRN20T10T	3/4"	3/8"	16	9.6	43	27
HRN20T15T	3/4"	1/2"	16	12	47	27
HRN25T06T	1"	1/4"	22	7	45	35
HRN25T10T	1"	3/8"	22	9.6	46	35
HRN25T15T	1"	1/2"	22	12	50	35
HRN25T20T	1"	3/4"	22	16	52	35
HRN32T15T	1-1/4"	1/2"	28	12	53	43
HRN32T20T	1-1/4"	3/4"	28	16	55	43
HRN32T25T	1-1/4"	1"	28	22	57	43
HRN40T20T	1-1/2"	3/4"	33	16	57	50
HRN40T25T	1-1/2"	1"	33	22	59	50
HRN40T32T	1-1/2"	1-1/4"	33	28	60	50
HRN50T40T	2"	1-1/2"	40	33	64	63.5

HN

六角雙外牙接頭 Hex Nipple

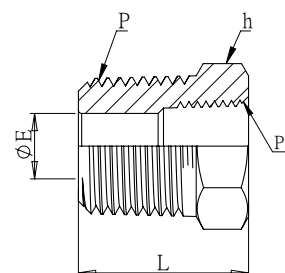
Part No	Thread Size	Dimensions		h 六角
	P-PT	Ø E	L	
HN03T	1/8"	4.8	26	12
HN06T	1/4"	7	33	14
HN10T	3/8"	9.6	35	17
HN15T	1/2"	12	44	22
HN20T	3/4"	16	49	27
HN25T	1"	22	54	35
HN32T	1-1/4"	28	58	43
HN40T	1-1/2"	33	62	50
HN50T	2"	40	65	63.5



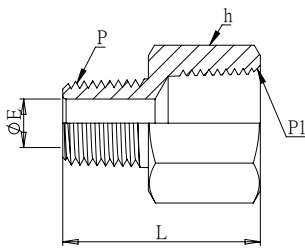
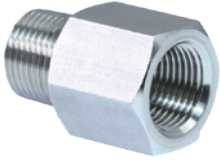
HRB

卜申 Hex Reducing Bush

Part No	Thread Size		Dimensions		h 六角
	P-PT	P1-PT	Ø E	L	
HRB06T03T	1/4"	1/8"	7.5	20	14
HRB10T03T	3/8"	1/8"	7.5	21	17
HRB10T06T	3/8"	1/4"	10	21	17
HRB15T03T	1/2"	1/8"	7.5	26	22
HRB15T06T	1/2"	1/4"	10	26	22
HRB15T10T	1/2"	3/8"	14	26	22
HRB20T06T	3/4"	1/4"	10	29	27
HRB20T10T	3/4"	3/8"	14	29	27
HRB20T15T	3/4"	1/2"	17	29	27
HRB25T10T	1"	3/8"	14	32	35
HRB25T15T	1"	1/2"	17	32	35
HRB25T20T	1"	3/4"	21	32	35
HRB32T15T	1-1/4"	1/2"	17	35	46
HRB32T20T	1-1/4"	3/4"	21	35	46
HRB32T25T	1-1/4"	1"	28	35	46
HRB40T15T	1-1/2"	1/2"	17	37	50
HRB40T20T	1-1/2"	3/4"	21	37	50
HRB40T25T	1-1/2"	1"	28	37	50
HRB40T32T	1-1/2"	1-1/4"	33	37	50
HRB50T25T	2"	1"	28	39	63.5
HRB50T40T	2"	1-1/2"	43	39	63.5



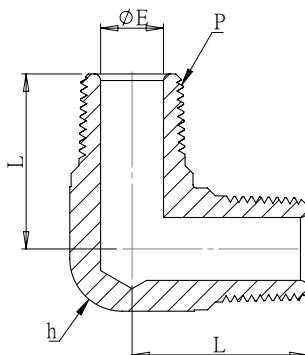
HA



錶接 Hex Adapter

Part No	Thread Size		Dimensions		h 六角
	P-PT	P1-PT	Ø E	L	
HA03T	1/8"		4.8	26	14
HA06T	1/4"		7	33	17
HA10T	3/8"		9.6	35	21
HA15T	1/2"		12	41	27
HA20T	3/4"		16	46	32
HA25T	1"		22	50	41
HA03T06T	1/8"	1/4"	4.8	30	17
HA03T15T	1/8"	1/2"	4.8	33	27
HA06T10T	1/4"	3/8"	7	34	21
HA06T15T	1/4"	1/2"	7	37	27
HA10T15T	3/8"	1/2"	9.6	38	27
HA15T20T	1/2"	3/4"	12	45	32
HA15T25T	1/2"	1"	12	48	41
HA20T25T	3/4"	1"	16	48	41

MEL



彎雙外牙接頭 Male Elbow

Part No	Thread Size	Dimensions		h
	P-PT	Ø E	L	
MEL03T	1/8"	4.8	18.5	11.5
MEL06T	1/4"	7	24.3	14.5
MEL10T	3/8"	9.6	26.7	18.6
MEL15T	1/2"	12	31.7	22.7
MEL20T	3/4"	16	36.5	27.5
MEL25T	1"	22	42.5	34
*MEL32T-D	1-1/4"	28	57.5	43.5
*MEL40T-D	1-1/2"	33*38	60	49
*MEL50T-D	2"	43*46.5	70.5	65.5

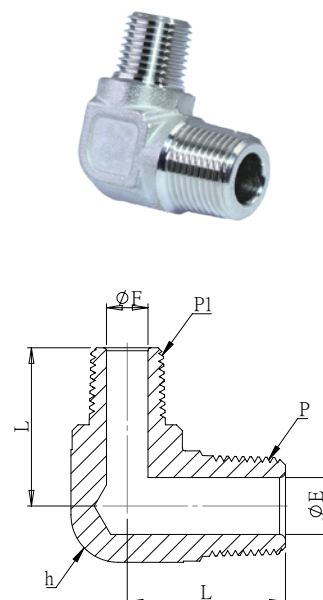
*此品項非常態性庫存，需另外車製，且接受非上述表列尺寸訂製。
This item isn't in normal stock and needs to be produced per request.
Customized size not in above table is acceptable.

*精密鑄造的工作壓力：20 kgf/cm²
Working Pressure of Investment Casting

RMEL

彎雙外牙異徑接頭 Reducing Male Elbow

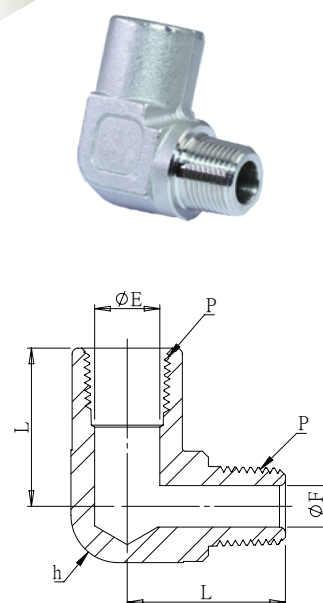
Part No	Thread Size		Dimensions			h
	P-PT	P1-PT	Ø E	Ø F	L	
RMEL06T03T	1/4"	1/8"	4.8	7	24.3	14.5
RMEL10T06T	3/8"	1/4"	7	9.6	26.7	18.6
RMEL15T06T	1/2"	1/4"	7	12	31.7	22.7
RMEL15T10T	1/2"	3/8"	9.6	12	31.7	22.7
RMEL20T10T	3/4"	3/8"	9.6	16	36.5	27.5
RMEL20T15T	3/4"	1/2"	12	16	36.5	27.5
RMEL25T15T	1"	1/2"	12	22	42.5	34
RMEL25T20T	1"	3/4"	16	22	42.5	34



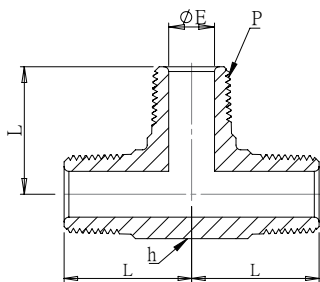
SEL

彎內外牙接頭 Street Elbow

Part No	Thread Size	Dimensions			h
	P-PT	Ø E	Ø F	L	
SEL03T	1/8"	8	4.8	24.3	14.5
SEL06T	1/4"	11	7	31.7	22.7
SEL10T	3/8"	14	9.6	31.7	22.7
SEL15T	1/2"	17	12	36.5	27.5
SEL20T	3/4"	22	16	42.5	34



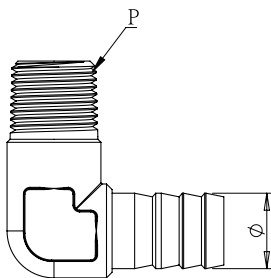
MT



三通外牙接頭 Male Tee

Part No	Thread Size	Dimensions		h
	P-PT	Ø E	L	
MT03T	1/8"	4.8	18.5	11.5
MT06T	1/4"	7	24.3	14.5
MT10T	3/8"	9.6	26.7	18.6
MT15T	1/2"	12	31.7	22.7
MT20T	3/4"	16	36.5	27.5
MT25T	1"	22	42.5	34

BHMEL



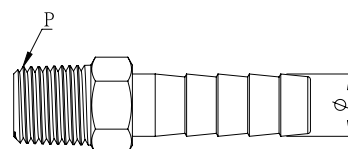
塔接彎外牙接頭 Barbed Hose Male Elbow

Part No	Hose ID	Thread Size
	Ø	P-PT
BHMEL02H06T-D	1/4"	1/4"
BHMEL02H10T-D	1/4"	3/8"
BHMEL25H03T-D	5/16"	1/8"
BHMEL25H06T-D	5/16"	1/4"
BHMEL25H10T-D	5/16"	3/8"
BHMEL03H03T-D	3/8"	1/8"
BHMEL03H06T-D	3/8"	1/4"
BHMEL03H10T-D	3/8"	3/8"
BHMEL03H15T-D	3/8"	1/2"
BHMEL04H06T-D	1/2"	1/4"
BHMEL04H10T-D	1/2"	3/8"
BHMEL04H15T-D	1/2"	1/2"
BHMEL04H20T-D	1/2"	3/4"
BHMEL05H10T-D	5/8"	3/8"
BHMEL05H15T-D	5/8"	1/2"
BHMEL05H20T-D	5/8"	3/4"
BHMEL06H15T-D	3/4"	1/2"
BHMEL06H20T-D	3/4"	3/4"
BHMEL06H25T-D	3/4"	1"
BHMEL08H20T-D	1"	3/4"
BHMEL08H25T-D	1"	1"

*精密鑄造的工作壓力：10 kgf/cm²
Working Pressure of Investment Casting

塔接直外牙接頭 Barbed Hose Male Connector

Part No	Hose ID	Thread Size
	Ø	P-PT
BHMC15H03T-D	3/16"	1/8"
BHMC15H06T-D	3/16"	1/4"
BHMC15H10T-D	3/16"	3/8"
BHMC02H03T-T	1/4"	1/8"
BHMC02H06T-D	1/4"	1/4"
BHMC02H10T-D	1/4"	3/8"
BHMC02H15T-D	1/4"	1/2"
BHMC25H03T-D	5/16"	1/8"
BHMC25H06T-D	5/16"	1/4"
BHMC25H10T-D	5/16"	3/8"
BHMC25H15T-D	5/16"	1/2"
BHMC03H03T-T	3/8"	1/8"
BHMC03H06T-T	3/8"	1/4"
BHMC03H10T-D	3/8"	3/8"
BHMC03H15T-D	3/8"	1/2"
BHMC04H06T-D	1/2"	1/4"
BHMC04H10T-D	1/2"	3/8"
BHMC04H15T-D	1/2"	1/2"
BHMC04H20T-D	1/2"	3/4"
BHMC05H10T-D	5/8"	3/8"
BHMC05H15T-D	5/8"	1/2"
BHMC05H20T-D	5/8"	3/4"
BHMC05H25T-D	5/8"	1"
BHMC06H15T-D	3/4"	1/2"
BHMC06H20T-D	3/4"	3/4"
BHMC06H25T-D	3/4"	1"
BHMC08H20T-D	1"	3/4"
BHMC08H25T-D	1"	1"
BHMC08H40T-D	1"	1-1/2"
BHMC10H25T-D	1-1/4"	1"
BHMC10H32T-D	1-1/4"	1-1/4"
BHMC10H40T-D	1-1/4"	1-1/2"
BHMC12H25T-D	1-1/2"	1"
BHMC12H32T-D	1-1/2"	1-1/4"
BHMC12H40T-D	1-1/2"	1-1/2"
BHMC12H50T-D	1-1/2"	2"
BHMC16H40T-D	2"	1-1/2"
BHMC16H50T-D	2"	2"



*精密鑄造的工作壓力：10 kgf/cm²

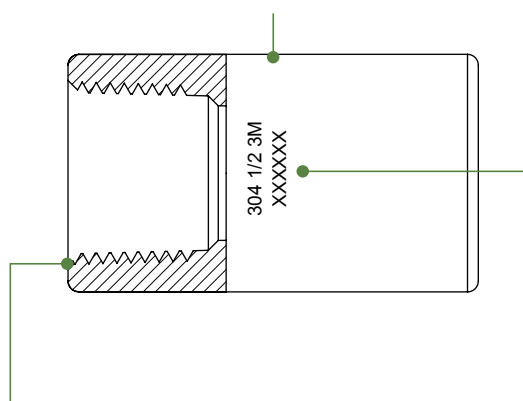
Working Pressure of Investment Casting

高壓管件接頭

High Pressure Pipe Fittings

直型及三件式接頭都以實心棒材加工製造。

Straight and three-piece fittings are made from bar stock.



內表面沒有毛利。

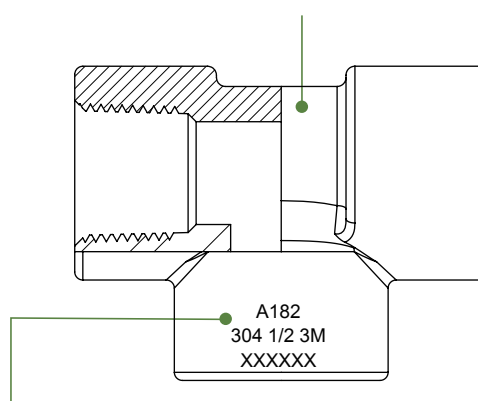
Burr-free on the inner surfaces.

標示材質、尺寸、壓力、爐號，方便施工人員辨識。

Indication of material, size, pressure and stove number is convenient for workers to identify.

彎頭及三通接頭以鍛造生產。

Elbows and Tees are made from forgings.

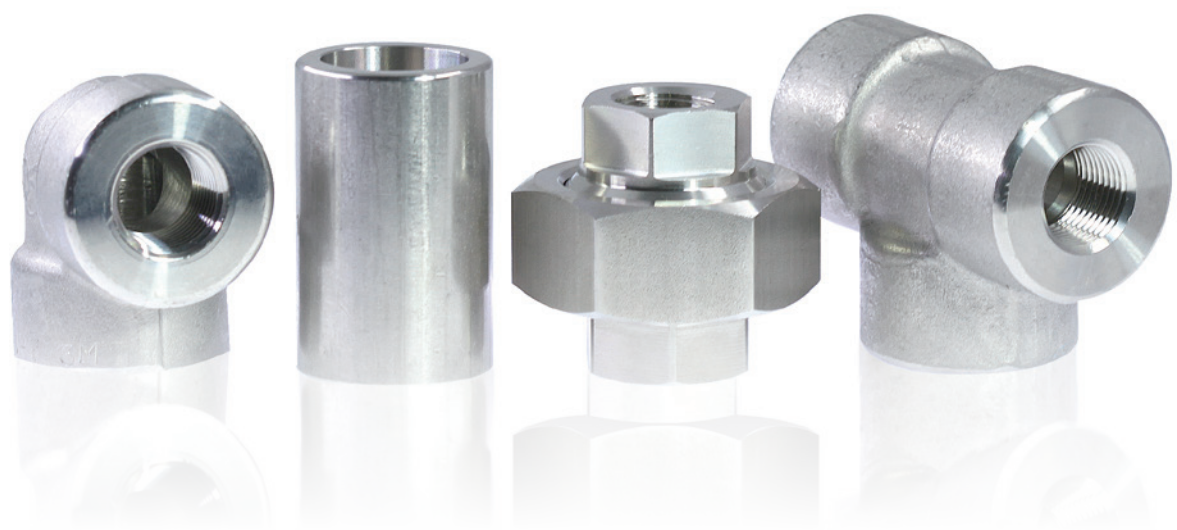


應用 / 特色

- 適用於各種產業的設備組裝及液體、氣體配管連接。
※經特殊處理，可適用食品與醫療設備。
(依使用條件訂定)

技術參數

- 工作壓力：
2M(2000Lb) : 140 kgf/cm²
3M(3000Lb) : 210 kgf/cm²
- 尺寸：
內牙：1/4"~2"
套焊：1/4"~2"
- 螺紋：PT、NPT



材質 Material : SUS304 、 316L

Application / Features

- Suitable for equipment assembly, liquid and gas piping in various industries.
- ※ Suitable for food and medical equipment subject to special treatment. (specific to operation conditions)

Technical Data

- Working Pressure :
2M(2000Lb) : 140 kgf/cm²
3M(3000Lb) : 210 kgf/cm²
- Size :
Threaded : 1/4"~2"
Socket Weld : 1/4"~2"
- Thread : PT 、 NPT

接頭型式 Fitting Type	1 壓力 Pressure	2 管外徑 Pipe OD	3 螺紋尺寸 Thread Size	4 螺紋型式 Thread Type	—	5 材質 Material
SWTCG	3	06	06	T	—	316L
高壓圓套焊內牙3M接頭 Socket Weld Threaded Coupling 3000Lb	3000Lb(磅)	1/4"	1/4"	PT	—	SUS316L

※ 內牙請參照接頭型式、1、3、4、5，套焊則參照接頭型式、1、2、5。

For threaded please refer to fitting type, 1, 3, 4 and 5; for socket weld please refer to fitting type, 1, 2 and 5.

接頭型式請參考“索引”

For the Fitting Type, please refer to "Index".

1 壓力代號 Pressure Code

壓力Pressure	2M (2000Lb)	3M (3000Lb)
代號Code	2	3

2 管外徑代號 Pipe Outside Diameter(OD) Code

尺寸Size (in.)	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
代號Code	06	10	15	20	25	32	40	50

3 螺紋尺寸代號 Thread Size Code

尺寸Size (in.)	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
代號Code	06	10	15	20	25	32	40	50

4 螺紋型式代號 Thread Type Code

型式 Type	PT 管用錐形螺紋	NPT 美制管用錐形螺紋
代號 Code	T	N
規範 Specification	Taper Pipe Threads (JIS B0203,ISO7/1)	American National Standard Taper Pipe Threads (ANSI B1. 20. 1)

5 材質代號 Material Code

材質 Material	SUS304	SUS316L
代號 Code	空白Blank	316L

索引 Index

高壓管件接頭 High Pressure Pipe Fittings

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圓雙內牙3M
TFCG3
Threaded Full Coupling
3000Lb

P.17



圓半接內牙3M
THCG3
Threaded Half Coupling
3000Lb

P.18



圓管帽3M
TC3
Threaded Cap
3000Lb

P.18



彎內牙2M
TEL2
Threaded Elbow
2000Lb

P.19



彎內牙3M
TEL3
Threaded Elbow
3000Lb

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三通內牙2M
TT2
Threaded Tee
2000Lb

P.20



三通內牙3M
TT3
Threaded Tee
3000Lb

P.20



雙內牙由任3M (三件式)
TU3
Threaded Union
(three-piece) 3000Lb

P.21



圓套焊內牙2M
SWTCG2
Socket Weld Threaded Coupling
2000Lb

P.21



圓雙套焊3M
SWFCG3
Socket Weld Full Coupling
3000Lb

P.22



圓半接套焊3M
SWHCG3
Socket Weld Half Coupling
3000Lb

P.22



彎套焊3M
SWEL3
Socket Weld Elbow
3000Lb

P.23



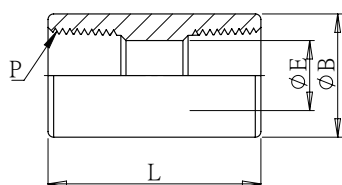
三通套焊3M
SWT3
Socket Weld Tee
3000Lb

P.23



雙套焊由任3M(三件式)
SWU3
Socket Weld Union
(three-piece) 3000Lb

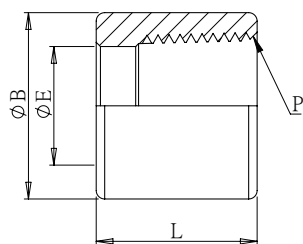
TFCG3



高壓圓雙內牙3M接頭
Threaded Full Coupling 3000Lb

Part No	Thread Size	Dimensions		
	P-PT	Ø E	Ø B	L
TFCG306T	1/4"	11	20	35
TFCG310T	3/8"	14	22	38
TFCG315T	1/2"	17	30	48
TFCG320T	3/4"	22	35	51
TFCG325T	1"	27	45	60
TFCG332T	1-1/4"	35	57	67
TFCG340T	1-1/2"	44	64	79
TFCG350T	2"	55	76	86

THCG3



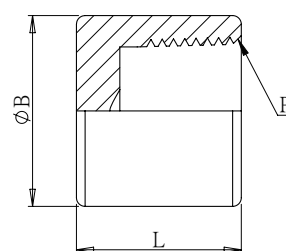
高壓圓半接內牙3M接頭
Threaded Half Coupling 3000Lb

Part No	Thread Size	Dimensions		
	P-PT	Ø E	Ø B	L
THCG306T	1/4"	11	20	17.5
THCG310T	3/8"	14	22	19
THCG315T	1/2"	17	30	24
THCG320T	3/4"	22	35	25.5
THCG325T	1"	27	45	30
THCG332T	1-1/4"	35	57	33.5
THCG340T	1-1/2"	44	64	39.5
THCG350T	2"	55	76	43

TC3

高壓圓管帽3M Threaded Cap 3000Lb

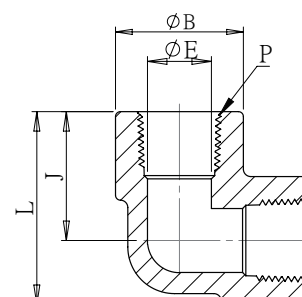
Part No	Thread Size	Dimensions	
	P-PT	Ø B	L
TC306T	1/4"	19	18
TC310T	3/8"	22	19
TC315T	1/2"	28	24
TC320T	3/4"	35	26
TC325T	1"	45	28
TC332T	1-1/4"	57	30
TC340T	1-1/2"	63.5	33
TC350T	2"	76	36



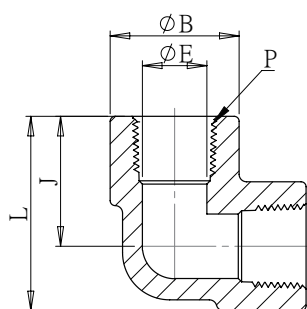
TEL2

高壓彎內牙2M接頭 Threaded Elbow 2000Lb

Part No	Thread Size	Dimensions			
	P-PT	Ø E	Ø B	J	L
TEL206T	1/4"	11	22	21	32
TEL210T	3/8"	12.5	26	26	39
TEL215T	1/2"	16	33	30.5	47
TEL220T	3/4"	21	38	35	54
TEL225T	1"	26.5	46	39	62



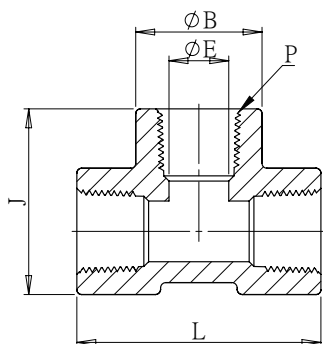
TEL3



高壓彎內牙3M接頭
Threaded Elbow 3000Lb

Part No	Thread Size	Dimensions			
	P-PT	Ø E	Ø B	J	L
TEL306T	1/4"	11	26	26	39
TEL310T	3/8"	12.5	33	30.5	47
TEL315T	1/2"	16	38	35	54
TEL320T	3/4"	21	46	39	62

TT2



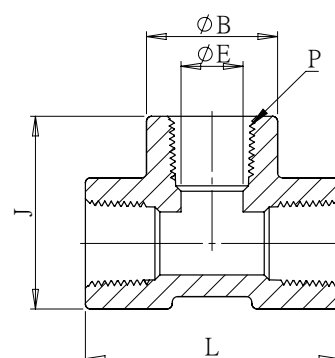
高壓三通內牙2M接頭
Threaded Tee 2000Lb

Part No	Thread Size	Dimensions			
	P-PT	Ø E	Ø B	J	L
TT206T	1/4"	11	22	33	43
TT210T	3/8"	12.5	26	39	52
TT215T	1/2"	16	33	47	61
TT220T	3/4"	21	38	53.5	69.5
TT225T	1"	26.5	47	62.5	78.5

TT3

高壓三通內牙3M接頭 Threaded Tee 3000Lb

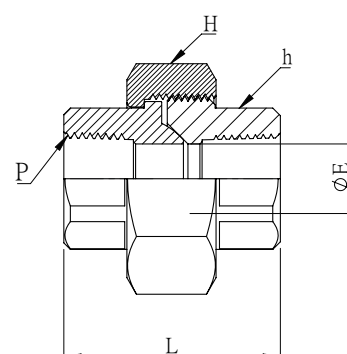
Part No	Thread Size	Dimensions			
	P-PT	Ø E	Ø B	J	L
TT306T	1/4"	11	26	39	52
TT310T	3/8"	12.5	33	47	61
TT315T	1/2"	16	38	53.5	69.5
TT320T	3/4"	21	47	62.5	78.5



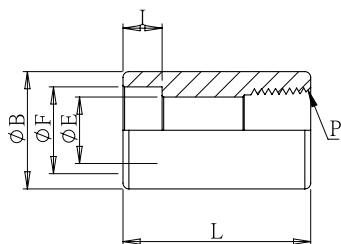
TU3

高壓雙內牙由任3M接頭(三件式) Threaded Union (three-piece)3000Lb

Part No	Thread Size	Dimensions		H六角	h六角
	P-PT	Ø E	L		
TU310T	3/8"	13	42	41	24
TU315T	1/2"	16.5	50	46	30
TU320T	3/4"	21.7	57.8	54	35
TU325T	1"	27.2	64.9	63	42



SWTCG2

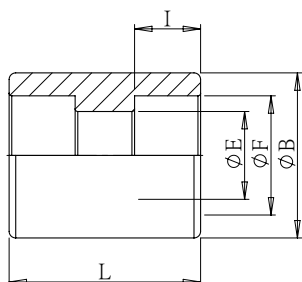


高壓圓套焊內牙2M接頭

Socket Weld Threaded Coupling 2000Lb

Part No	Pipe OD	Thread Size	Dimensions				
		P-PT	Ø E	Ø F	Ø B	I	L
SWTCG20606T	1/4"	1/4"	10	14.4	20	10	35
SWTCG21010T	3/8"	3/8"	13.3	18	22	10	38
SWTCG21515T	1/2"	1/2"	16.6	22.2	30	10	48
SWTCG22020T	3/4"	3/4"	21.7	27.6	35	13	51
SWTCG22525T	1"	1"	27.4	34.3	45	13	60

SWFCG3



高壓圓雙套焊3M接頭

Socket Weld Full Coupling 3000Lb

Part No	Pipe OD	Dimensions				
		Ø E	Ø F	Ø B	I	L
SWFCG306	1/4"	10	14.4	22	10	28
SWFCG310	3/8"	13.3	18	25	10	29
SWFCG315	1/2"	16.6	22.2	32	10	33
SWFCG320	3/4"	21.7	27.6	38	13	39
SWFCG325	1"	27.4	34.3	45	13	43
SWFCG332	1-1/4"	35.8	43.1	55	13	43
SWFCG340	1-1/2"	41.7	49.2	63	13	43
SWFCG350	2"	53.5	61.7	75	16	55

SWHCG3

高壓圓半接套焊3M接頭

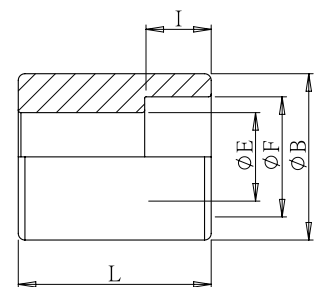
Socket Weld Half Coupling 3000Lb

Part No	Pipe OD	Dimensions				
		Ø E	Ø F	Ø B	I	L
SWHCG306	1/4"	10	14.4	22	10	25.5
SWHCG310	3/8"	13.3	18	25	10	27
SWHCG315	1/2"	16.6	22.2	32	10	31
SWHCG320	3/4"	21.7	27.6	38	13	36.5
SWHCG325	1"	27.4	34.3	45	13	41

*此品項非常態性庫存，需另外車製，且接受非上述表列尺寸訂製。

This item isn't in normal stock and needs to be produced per request.

Customized size not in above table is acceptable.

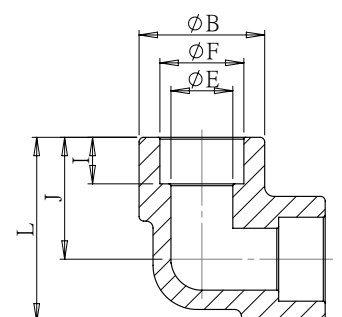


SWEL3

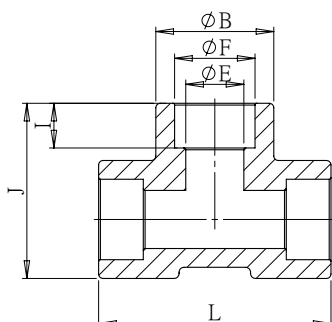
高壓彎套焊3M接頭

Socket Weld Elbow 3000Lb

Part No	Pipe OD	Dimensions					
		Ø E	Ø F	Ø B	I	J	L
SWEL306	1/4"	10	14.4	22	10	21	32
SWEL310	3/8"	13.3	18	26	10	26	39
SWEL315	1/2"	16.6	22.2	33	10	30.5	47
SWEL320	3/4"	21.7	27.6	38	13	35	54
SWEL325	1"	27.4	34.3	46	13	39	62



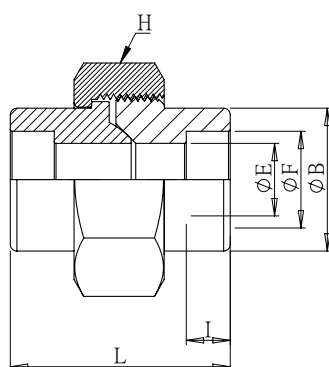
SWT3



高壓三通套焊3M接頭
Socket Weld Tee 3000Lb

Part No	Pipe OD	Dimensions					
		Ø E	Ø F	Ø B	I	J	L
SWT306	1/4"	10	14.4	22	10	33	43
SWT310	3/8"	13.3	18	26	10	39	52
SWT315	1/2"	16.6	22.2	33	10	47	61
SWT320	3/4"	21.7	27.6	38	13	53.5	69.5
SWT325	1"	27.4	34.3	47	13	62.5	78.5

SWU3



高壓雙套焊由任3M接頭(三件式)
Socket Weld Union (three-piece)3000Lb

Part No	Pipe OD	Dimensions					
		Ø E	Ø F	Ø B	I	L	H六角
SWU310	3/8"	13	18	27	10	42	41
SWU315	1/2"	16.5	22.2	32.5	10	50	46
SWU320	3/4"	21.7	27.6	39	13	57.8	54
SWU325	1"	27.2	34.3	47	13	64.9	63

焊接鋼管 Welded pipe

JIS G3459-1997

公稱管徑 Nominal Diameter		管外徑 Outside Dia. of Pipe (mm)	厚度 Thickness (mm)	單位重量Unit Weight(kg/m)		厚度 Thickness (mm)	單位重量 Unit Weight(kg/m)	
				材質 Material			材質 Material	
A	B			304	316、316L		304	316、316L
6	1/8"	10.5	2	0.423	0.426	2.5	0.498	0.501
8	1/4"	13.8	1.5	0.46	0.463	2.5	0.704	0.708
10	3/8"	17.3	2	0.762	0.767	2.5	0.922	0.928
15	1/2"	21.7	1.5	0.755	0.76	2	0.981	0.988
20	3/4"	27.2	1.5	0.96	0.966	2	1.26	1.26
25	1"	34	2	1.59	1.6	2.5	1.96	1.97
32	1-1/4"	42.7	2	2.03	2.04	3	2.97	2.99
40	1-1/2"	48.6	2	2.32	2.34	3	3.41	3.43
50	2"	60.5	2	2.91	2.93	3	4.3	4.32
65	2-1/2"	76.3	2	3.7	3.73	5	8.88	8.94
80	3"	89.1	2	4.34	4.37	8	16.2	16.3
90	3-1/2"	101.6	2.5	6.17	6.21	6	14.3	14.4
100	4"	114.3	2.5	6.96	7.01	9	23.6	23.8
125	5"	139.8	3	10.2	10.3	3.5	11.9	12
150	6"	165.2	3	12.1	12.2	3.5	14.1	14.2
200	8"	216.3	3	15.9	16	8	41.5	41.8
250	10"	267.4	3.5	23	23.2	10	64.1	64.5
300	12"	318.5	10	76.8	77.3	18	135	136

公稱管徑 Nominal Diameter		管外徑 Outside Dia. of Pipe (mm)	厚度 Thickness (mm)	單位重量 Unit Weight (kg/m)		厚度 Thickness (mm)	單位重量 Unit Weight (kg/m)	
				材質 Material			材質 Material	
A	B			304	316、316L		304	316、316L
6	1/8"	10.5	--	--	--	--	--	--
8	1/4"	13.8	--	--	--	--	--	--
10	3/8"	17.3	3.5	1.2	1.21	--	--	--
15	1/2"	21.7	3	1.4	1.41	3.5	1.59	1.6
20	3/4"	27.2	3	1.81	1.82	4	2.31	2.33
25	1"	34	3.5	2.66	2.68	--	--	--
32	1-1/4"	42.7	3.5	3.42	3.44	5	4.7	4.73
40	1-1/2"	48.6	4	4.44	4.47	5	5.43	5.47
50	2"	60.5	4	5.63	5.67	--	--	--
65	2-1/2"	76.3	--	--	--	--	--	--
80	3"	89.1	--	--	--	--	--	--
90	3-1/2"	101.6	8	18.7	18.8	--	--	--
100	4"	114.3	--	--	--	--	--	--
125	5"	139.8	7	23.2	23.3	10	32.3	32.5
150	6"	165.2	7	27.6	27.8	12	45.8	46.1
200	8"	216.3	13	65.8	66.3	--	--	--
250	10"	267.4	15	94.3	94.9	--	--	--
300	12"	318.5	--	--	--	--	--	--

美制管用錐形螺紋NPT American National Standard Taper Pipe Threads, NPT

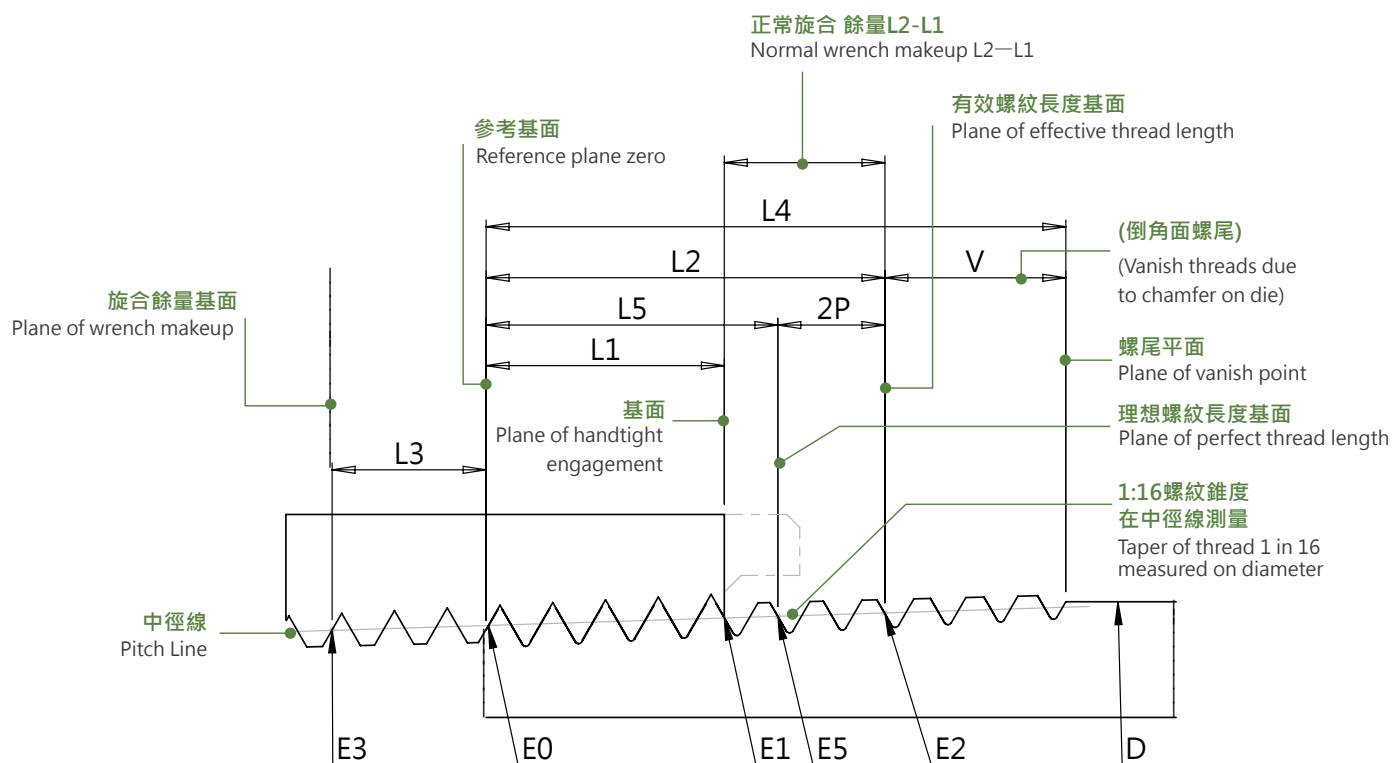
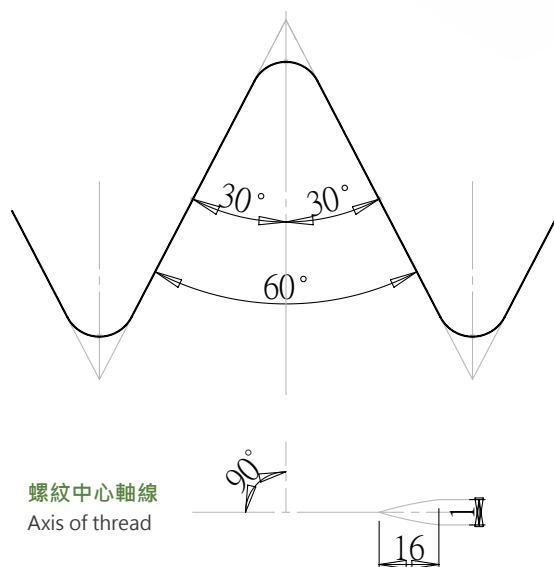
- 螺紋兩側的角度為60度，螺紋錐度是16：1，中心線錐度角為1°47'

Angle between sides of thread is 60 degrees. Taper of thread is 16:1. Angle of taper with center line is 1°47'

單位 Unit : mm

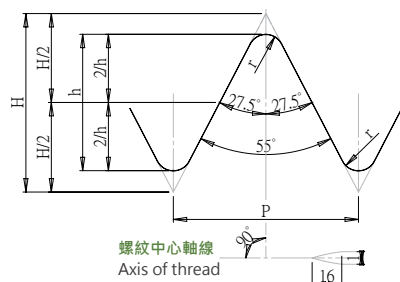
公稱尺寸 Nominal Pipe Size	管外徑 Outside Dia. of Pipe	螺紋牙數 Number of Threads (每25.4mm) (in 25.4mm)	螺距 Pitch of Thread	外螺紋管端 有效徑 Pitch Diameter at Beginning of External Thread	旋入接合 Handtight Engagement		有效外螺紋 Effective Thread, External	
					長度 Length	有效徑 Effective Dia.	長度 Length	有效徑 Effective Dia.
	D	n	P	E ₀	L ₁	E ₁	L ₂	E ₂
NPT 1/16"	7.94	27	0.9407	6.888	4.06	7.142	6.63	7.303
NPT 1/8"	10.29	27	0.9407	9.233	4.10	9.489	6.70	9.652
NPT 1/4"	13.72	18	1.1411	12.126	5.79	12.487	10.21	12.764
NPT 3/8"	17.15	18	1.4111	15.545	6.10	15.926	10.36	16.193
NPT 1/2"	21.34	14	1.8143	19.264	8.13	19.772	13.56	20.111
NPT 3/4"	26.67	14	1.8143	24.579	8.61	25.117	13.86	25.445
NPT 1"	33.40	11-1/2	2.2087	30.826	10.16	31.461	17.34	31.910
NPT 1-1/4"	42.16	11-1/2	2.2087	39.551	10.67	40.218	17.95	40.673
NPT 1-1/2"	48.26	11-1/2	2.2087	45.621	10.67	46.287	18.38	46.769
NPT 2"	60.33	11-1/2	2.2087	57.633	11.07	58.325	19.22	58.834

公稱尺寸 Nominal Pipe Size	內螺紋旋入空間 Wrench Makeup Length for Internal Thread		螺尾 Vanish Thread		外螺紋 總長度 Overall Length External Thread	完整外螺紋長度 Nominal Complete External Threads		牙高 Height of Thread	管件小端公稱 基本內徑 Basic Minor Dia. at Small End of Pipe
	長度 Length	直徑 Dia.	長度 Length	牙數 Number of Threads		長度 Length	直徑 Dia.		
	L ₃	E ₃	V			L ₄	L ₅		
NPT 1/16"	2.82	6.712	3.26	3.47	9.90	4.75	7.185	0.75	6.14
NPT 1/8"	2.82	9.056	3.26	3.47	9.97	4.82	9.534	0.75	8.48
NPT 1/4"	4.23	11.861	4.90	3.47	15.10	7.38	12.587	1.13	11.00
NPT 3/8"	4.23	15.281	6.29	3.47	15.26	7.54	16.016	1.13	14.42
NPT 1/2"	5.44	18.924	6.29	3.47	19.85	9.93	19.885	1.45	17.81
NPT 3/4"	5.44	24.238	4.90	3.47	20.15	10.23	25.219	1.45	23.13
NPT 1"	6.63	30.412	7.66	3.47	25.01	12.93	31.634	1.77	29.06
NPT 1-1/4"	6.63	39.137	7.66	3.47	25.62	13.54	40.397	1.77	37.79
NPT 1-1/2"	6.63	45.206	7.66	3.47	26.88	13.96	46.493	1.77	43.85
NPT 2"	6.63	57.219	7.66	3.47	26.04	14.80	58.558	1.77	55.87



基本牙形、基本尺寸及公差 Basic Profiles, Basic Dimensions and Tolerance

錐形外螺紋及錐形內螺紋之基本牙形
Basic Profile Applied for Taper External
and Taper Internal Threads



粗實線表示基本牙形
Thick continuous line :
shows basic profile.

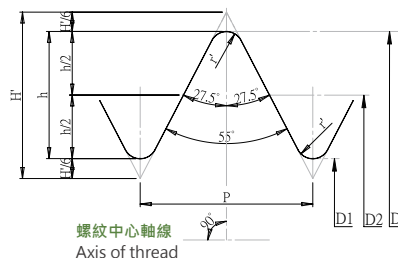
$$P = \frac{25.4}{n}$$

$$H = 0.960237 P$$

$$h = 0.640327 P$$

$$r = 0.137278 P$$

平行內螺紋之基本牙形
Basic Profile Applied for Parallel
Internal Thread



粗實線表示基本牙形
Thick continuous line :
shows basic profile.

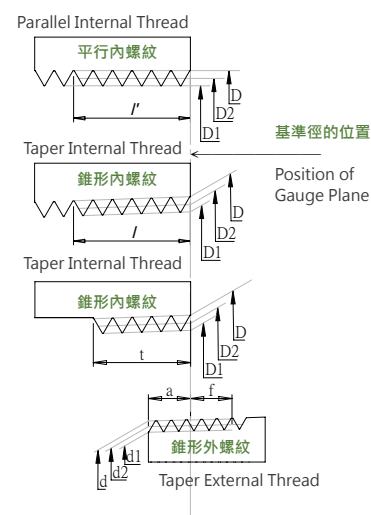
$$P = \frac{25.4}{n}$$

$$H' = 0.960491 P$$

$$h' = 0.640327 P$$

$$r' = 0.137329 P$$

錐形外螺紋和錐形內螺紋或平行內螺紋之
間的配合
Fit between Taper External Thread and
Taper Internal or Parallel Internal Thread



- 螺紋兩側的角度為55度，螺紋錐度是16：1，中心線錐度角為1°47'

Angle between sides of thread is 55 degrees. Taper of thread is 16 : 1. Angle of taper with center line is 1°47'

單位 Unit : mm

公稱尺寸 Nominal Pipe Size	螺紋 Thread				基準徑 Gauge Dia.			配管用碳鋼管之尺寸(參考) Size of Carbon Steel Pipe for Ordinary Piping (Reference)	
	螺紋牙數 Number of Threads (每25.4mm) (in 25.4mm)	螺距 Pitch (參考) (Reference)	牙高 Height of Thread	圓角 Radius	外螺紋 External Thread			外徑 Outside Dia.	厚度 Thickness
					外徑 Outside Dia.	有效徑 Effective Dia.	根徑 Minor Dia.		
					d	d ₂	d ₁		
					內螺紋 Internal Thread				
	根徑 Minor Dia.	有效徑 Effective Dia.	內徑 Inside Dia.						
	n	p	h	r / r'	D	D ₂	D ₁		
PT 1/8"	28	0.9071	0.581	0.12	9.728	9.147	8.566	10.5	2.0
PT 1/4"	19	1.3368	0.856	0.18	13.157	12.301	11.445	13.8	2.3
PT 3/8"	19	1.3368	0.856	0.18	16.662	15.806	14.950	17.3	2.3
PT 1/2"	14	1.8143	1.162	0.25	20.955	19.793	18.631	21.7	2.8
PT 3/4"	14	1.8143	1.162	0.25	26.441	25.279	24.117	27.2	2.8
PT 1"	11	2.3091	1.479	0.32	33.249	31.770	30.291	34.0	3.2
PT 1-1/4"	11	2.3091	1.479	0.32	41.910	40.431	38.952	42.7	3.5
PT 1-1/2"	11	2.3091	1.479	0.32	47.803	46.324	44.845	48.6	3.5
PT 2"	11	2.3091	1.479	0.32	59.614	58.135	56.656	60.5	3.8

※ 錐形螺紋：從基準徑的位置到較小徑端側的長度。平行內螺紋：從配管端或管連接末端開始的長度。

Taper thread : length from position of gauge dia. spot to a minor dia. spot.

Parallel internal thread : length from a pipe end or pipe fitting end.

※ 完整資料請參照 ISO 7/1。

For complete information please refer to ISO 7/1.

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