

SM-KT系列

成品訂購碼

SM-KT C 1/8 - 1/8 T				
①	②	③	④	⑤
① 系列代號	② 規格代號	③ 插管尺寸	④ 螺紋尺寸	⑤ 螺紋類型
SM-KT: 卡套接頭	C: 直通單卡	1/8: Ø1/8" 3/16: Ø3/16" 1/4: Ø1/4" 5/16: Ø5/16" 3/8: Ø3/8" 1/2: Ø1/2" 5/8: Ø5/8" 3/4: Ø3/4"	1/8: NPT1/8 1/4: NPT1/4 3/8: NPT3/8 1/2: NPT1/2 3/4: NPT3/4	T: NPT
	L: L型單卡			
	CF: 內螺紋直通			
	MF: 內螺紋穿板直通			

SM-KT U 1/8		
①	②	③
① 系列代號	② 規格代號	③ 插管尺寸
SM-KT: 卡套接頭	U: 直通雙卡	1/8: Ø1/8" 3/16: Ø3/16" 1/4: Ø1/4" 5/16: Ø5/16" 3/8: Ø3/8" 1/2: Ø1/2" 5/8: Ø5/8" 3/4: Ø3/4"
	M: 穿板直通	
	V: L型雙卡	
	E: T型三卡	

SM-KT G 3/16 - 1/8			
①	②	③	④
① 系列代號	② 規格代號	③ 插管尺寸 I	④ 插管尺寸 II
SM-KT: 卡套接頭	G: 減徑直通雙卡	3/16: Ø3/16" 1/4: Ø1/4" 5/16: Ø5/16" 3/8: Ø3/8"	1/8: Ø1/8" 3/16: Ø3/16" 1/4: Ø1/4" 5/16: Ø5/16" 3/8: Ø3/8"
	EG: T型正減徑三卡	1/2: Ø1/2" 5/8: Ø5/8" 3/4: Ø3/4"	1/2: Ø1/2" 5/8: Ø5/8"

接口端螺紋與插管端內徑配置表

產品系列	螺紋規格	插管口徑							
		1/8"	3/16"	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"
SM-KTC	NPT1/8"	●	●	●	●				
	NPT1/4"	●	●	●	●	●			
	NPT3/8"			●	●	●	●	●	●
	NPT1/2"					●	●	●	●
	NPT3/4"							●	●
SM-KTL	NPT1/8"	●	●	●	●				
	NPT1/4"	●	●	●	●	●			
	NPT3/8"			●	●	●	●	●	
	NPT1/2"					●	●	●	●
	NPT3/4"							●	●
SM-KTCF	NPT1/8"	●	●	●	●				
	NPT1/4"			●	●	●			
SM-KTMF	NPT3/8"					●	●		
	NPT1/2"						●		

接頭系列	接管尺寸							
	1/8"	3/16"	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"
SM-KTU、SM-KTM SM-KTV、SM-KTE	●	●	●	●	●	●	●	●

接頭系列	接管尺寸 I	接管尺寸 II						
		1/8"	3/16"	1/4"	5/16"	3/8"	1/2"	5/8"
SM-KTG	3/16"	●						
	1/4"		●					
	5/16"			●				
	3/8"				●			
	1/2"					●		
	5/8"						●	
	3/4"							●
SM-KTEG	1/4"	●						
	3/8"			●				
	1/2"					●		
	5/8"					●		
	3/4"						●	

產品特性

- 1、插管尺寸範圍為1/8" ~ 3/4" ；
- 2、材料為日標SUS316L，具有優良的抗腐蝕性；
- 3、螺帽螺紋處鍍銀，有效降低安裝扭矩；
- 4、易于拆卸和重新緊固；
- 5、彎頭內孔平滑過度，確保流體流動穩定。

工作壓力

- 1、卡套接頭卡套端的工作壓力取決于卡套管的工作壓力；
- 2、卡套接頭工作壓力為所有端口工作壓力值中最小值；
- 3、室溫環境下，NPT螺紋端工作壓力如下表。

螺紋尺寸	工作壓力			
	外螺紋		內螺紋	
	bar	MPa	bar	MPa
NPT1/8	690	69	440	44
NPT1/4	550	55	450	45
NPT3/8	540	54	360	36
NPT1/2	530	53	340	34
NPT3/4	500	50	320	32

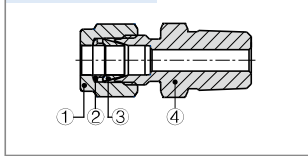
輔助元件——卡套接頭

AirTAC

SM-KT系列

內部結構

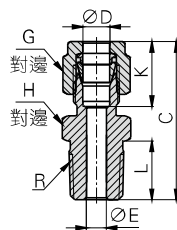
SM-KTC系列



序號	品名	材質
1	螺帽	SUS316L
2	小卡套	SUS316L
3	大卡套	SUS316L
4	本體	SUS316L

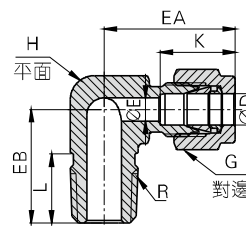
外部規格

SM-KTC系列



型號\符號	ØD	R	C	L	K	ØE	G	H
SM-KTC1/8-1/8T	1/8"	NPT1/8	30.5	9.7	12.7	2.3	11.1	11.1
SM-KTC1/8-1/4T		NPT1/4	35.6	14.2	12.7	2.3	11.1	14.3
SM-KTC3/16-1/8T	3/16"	NPT1/8	31.2	9.7	13.7	3	12.7	11.1
SM-KTC3/16-1/4T		NPT1/4	36.3	14.2	13.7	3	12.7	14.3
SM-KTC1/4-1/8T	1/4"	NPT1/8	32.8	9.7	15.2	4.8	14.3	12.7
SM-KTC1/4-1/4T		NPT1/4	37.8	14.2	15.2	4.8	14.3	14.3
SM-KTC1/4-3/8T		NPT3/8	38.4	14.2	15.2	4.8	14.3	17.5
SM-KTC5/16-1/8T	5/16"	NPT1/8	34.0	9.7	16.3	4.8	15.9	14.3
SM-KTC5/16-1/4T		NPT1/4	38.6	14.2	16.3	6.5	15.9	14.3
SM-KTC5/16-3/8T		NPT3/8	39.1	14.2	16.3	6.5	15.9	17.5
SM-KTC3/8-1/4T	3/8"	NPT1/4	39.9	14.2	16.8	7.2	17.5	15.9
SM-KTC3/8-3/8T		NPT3/8	39.9	14.2	16.8	7.2	17.5	17.5
SM-KTC3/8-1/2T		NPT1/2	46.2	19.0	16.8	7.2	17.5	22.2
SM-KTC1/2-1/4T	1/2"	NPT1/4	43.4	14.2	22.9	7.2	22.2	20.6
SM-KTC1/2-3/8T		NPT3/8	43.4	14.2	22.9	9.7	22.2	20.6
SM-KTC1/2-1/2T		NPT1/2	49.0	19.0	22.9	10.5	22.2	22.2
SM-KTC5/8-3/8T	5/8"	NPT3/8	44.2	14.2	24.4	9.7	25.4	23.8
SM-KTC5/8-1/2T		NPT1/2	49.0	19.0	24.4	12.0	25.4	23.8
SM-KTC5/8-3/4T		NPT3/4	50.5	19.0	24.4	12.7	25.4	27.0
SM-KTC3/4-3/8T	3/4"	NPT3/8	45.7	14.2	24.4	9.7	28.6	27.0
SM-KTC3/4-1/2T		NPT1/2	50.5	19.0	24.4	12.0	28.6	27.0
SM-KTC3/4-3/4T		NPT3/4	50.5	19.0	24.4	15.8	28.6	27.0

SM-KTL系列



型號\符號	ØD	R	EA	EB	K	ØE	L	G	H
SM-KTL1/8-1/8T	1/8"	NPT1/8	23.6	17.8	12.7	2.3	9.7	11.1	11.1
SM-KTL1/8-1/4T		NPT1/4	24.6	23.4	12.7	2.3	14.2	11.1	12.7
SM-KTL3/16-1/8T	3/16"	NPT1/8	25.4	18.8	13.7	3	9.7	12.7	12.7
SM-KTL3/16-1/4T		NPT1/4	25.4	23.4	13.7	3	14.2	12.7	12.7
SM-KTL1/4-1/8T	1/4"	NPT1/8	26.9	18.8	15.2	4.8	9.7	14.3	12.7
SM-KTL1/4-1/4T		NPT1/4	26.9	23.4	15.2	4.8	14.2	14.3	12.7
SM-KTL1/4-3/8T		NPT3/8	29.7	26.2	15.2	4.8	14.2	14.3	17.5
SM-KTL5/16-1/8T	5/16"	NPT1/8	28.7	19.8	16.3	4.8	9.7	15.9	14.3
SM-KTL5/16-1/4T		NPT1/4	28.7	24.4	16.3	6.5	14.2	15.9	14.3
SM-KTL5/16-3/8T		NPT3/8	30.5	26.2	16.3	6.5	14.2	15.9	17.5
SM-KTL3/8-1/4T	3/8"	NPT1/4	30.5	25.4	16.8	7.2	14.2	17.5	15.9
SM-KTL3/8-3/8T		NPT3/8	31.2	26.2	16.8	7.2	14.2	17.5	17.5
SM-KTL3/8-1/2T		NPT1/2	33.3	33.0	16.8	7.2	19.0	17.5	20.6
SM-KTL1/2-1/4T	1/2"	NPT1/4	36.1	28.2	22.9	7.2	14.2	22.2	20.6
SM-KTL1/2-3/8T		NPT3/8	36.1	28.2	22.9	9.7	14.2	22.2	20.6
SM-KTL1/2-1/2T		NPT1/2	36.1	33.0	22.9	10.5	19.0	22.2	20.6
SM-KTL5/8-3/8T	5/8"	NPT3/8	38.1	30.2	24.4	9.7	14.2	25.4	23.8
SM-KTL5/8-1/2T		NPT1/2	38.1	35.1	24.4	12.0	19.0	25.4	23.8
SM-KTL5/8-3/4T		NPT3/4	39.9	36.8	24.4	12.7	19.0	25.4	27.0
SM-KTL3/4-1/2T	3/4"	NPT1/2	39.9	36.8	24.4	12.0	19.0	28.6	27.0
SM-KTL3/4-3/4T		NPT3/4	39.9	36.8	24.4	15.8	19.0	28.6	27.0

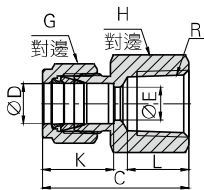
輔助元件——卡套接頭

AirTAC

SM-KT系列

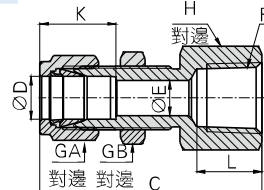
外部規格

SM-KTCF系列



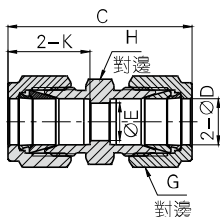
訂購碼	ØD	R	C	L	K	ØE	G	H
SM-KTCF1/8-1/8T	1/8"	NPT1/8	28.7	10	12.7	2.3	11.2	14.3
SM-KTCF3/16-1/8T	3/16"	NPT1/8	29.7	10	13.7	3	12.7	14.3
SM-KTCF1/4-1/8T	1/4"	NPT1/8	31.2	10	15.2	4.8	14.3	14.3
SM-KTCF1/4-1/4T	1/4"	NPT1/4	35.8	15	15.2	4.8	14.3	19.1
SM-KTCF5/16-1/8T	5/16"	NPT1/8	32	10	16.3	4.8	15.9	14.3
SM-KTCF5/16-1/4T	5/16"	NPT1/4	36.8	15	16.3	4.8	15.9	19.1
SM-KTCF3/8-1/4T	3/8"	NPT1/4	37.6	15	16.8	7.2	17.5	19.1
SM-KTCF3/8-3/8T	3/8"	NPT3/8	39.1	15	16.8	7.2	17.5	22.2
SM-KTCF1/2-3/8T	1/2"	NPT3/8	41.9	15	22.9	10.5	22.2	22.2
SM-KTCF1/2-1/2T	1/2"	NPT1/2	46.7	19.5	22.9	10.5	22.2	27

SM-KTMF系列



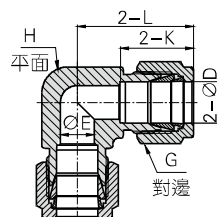
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SM-KTMF1/8-1/8T	1/8"	NPT1/8	44.7	10	12.7	2.3	11.2	14.3	12.7
SM-KTMF3/16-1/8T	3/16"	NPT1/8	45.5	10	13.7	3	12.7	14.3	14.3
SM-KTMF1/4-1/8T	1/4"	NPT1/8	47	10	15.2	4.8	14.3	15.9	15.9
SM-KTMF1/4-1/4T	1/4"	NPT1/4	51.8	15	15.2	4.8	14.3	19.1	15.9
SM-KTMF5/16-1/8T	5/16"	NPT1/8	49.8	10	16.3	4.8	15.9	17.5	17.5
SM-KTMF5/16-1/4T	5/16"	NPT1/4	60.5	15	16.3	4.8	15.9	19.1	17.5
SM-KTMF3/8-1/4T	3/8"	NPT1/4	55.1	15	16.8	7.2	17.5	19.1	19.1
SM-KTMF3/8-3/8T	3/8"	NPT3/8	56.6	15	16.8	7.2	17.5	22.1	19.1
SM-KTMF1/2-3/8T	1/2"	NPT3/8	61.7	15	22.9	10.5	22.2	23.8	23.8
SM-KTMF1/2-1/2T	1/2"	NPT1/2	66.8	19.5	22.9	10.5	22.2	27.0	23.8

SM-KTU系列



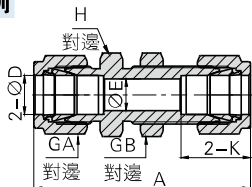
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SM-KTU1/8	1/8"	35.6	12.7	11.2	2.3	11.2
SM-KTU3/16	3/16"	37.3	13.7	12.7	3	12.7
SM-KTU1/4	1/4"	40.9	15.2	14.3	4.8	12.7
SM-KTU5/16	5/16"	42.9	16.3	15.9	6.5	14.3
SM-KTU3/8	3/8"	45	16.8	17.5	7.2	15.9
SM-KTU1/2	1/2"	51.3	22.9	22.1	10.5	20.6
SM-KTU5/8	5/8"	52.1	24.4	25.4	12.0	23.8
SM-KTU3/4	3/4"	53.6	24.4	28.7	15.8	27.0

SM-KTV系列



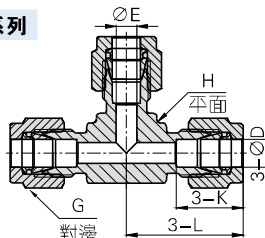
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SM-KTV1/8	1/8"	22.4	12.7	11.2	2.3	9.4
SM-KTV3/16	3/16"	25.4	13.7	12.7	3	12.7
SM-KTV1/4	1/4"	26.9	15.2	14.3	4.8	12.7
SM-KTV5/16	5/16"	28.7	16.3	15.9	6.5	14.3
SM-KTV3/8	3/8"	30.5	16.8	17.5	7.2	15.9
SM-KTV1/2	1/2"	36.1	22.9	22.1	10.5	20.6
SM-KTV5/8	5/8"	38.1	24.4	25.4	12.0	23.8
SM-KTV3/4	3/4"	39.9	24.4	28.7	15.8	27

SM-KTM系列



訂購碼	ØD	A	K	ØE	GA	H	GB
SM-KTM1/8	1/8"	51.3	12.7	2.3	11.2	12.7	12.7
SM-KTM3/16	3/16"	53.6	13.7	3	12.7	14.3	14.3
SM-KTM1/4	1/4"	57.7	15.2	4.8	14.3	16	15.9
SM-KTM5/16	5/16"	60.7	16.3	6.5	16	17.5	17.5
SM-KTM3/8	3/8"	62.2	16.8	7.2	17.5	19.1	19.1
SM-KTM1/2	1/2"	71.1	22.9	10.5	22.1	23.8	23.8
SM-KTM5/8	5/8"	72.6	24.4	12.7	25.4	27	27
SM-KTM3/4	3/4"	79	24.4	15.8	28.7	30.2	30.2

SM-KTE系列



訂購碼	ØD	L	K	G	ØE	H
SM-KTE1/8	1/8"	22.1	12.7	11.2	2.3	9.4
SM-KTE3/16	3/16"	24.4	13.7	12.7	3	11.2
SM-KTE1/4	1/4"	26.9	15.2	14.2	4.8	12.7
SM-KTE5/16	5/16"	29.7	16.3	16	6.5	15.9
SM-KTE3/8	3/8"	30.5	16.8	17.5	7.2	15.9
SM-KTE1/2	1/2"	36.1	22.9	22.1	10.5	20.6
SM-KTE5/8	5/8"	38.9	24.4	25.4	12.0	25.4
SM-KTE3/4	3/4"	39.9	24.4	28.7	15.8	26.9

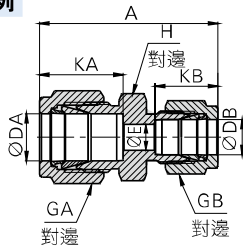
輔助元件——卡套接頭

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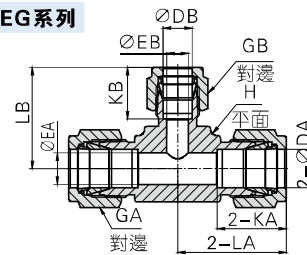
SM-KT系列

外部規格

SM-KTG系列



SM-KTEG系列



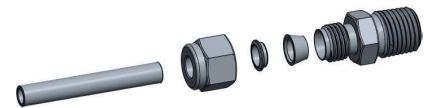
訂購碼	ØDA	ØDB	A	KA	KB	GA	GB	ØE	H
SM-KTG3/16-1/8	3/16"	1/8"	36.6	13.7	12.7	12.7	11.2	2.3	11.1
SM-KTG1/4-3/16	1/4"	3/16"	39.4	15.2	13.7	14.3	12.7	3	12.7
SM-KTG5/16-1/4	5/16"	1/4"	42.2	16.2	15.2	15.9	14.3	4.8	14.3
SM-KTG3/8-5/16	3/8"	5/16"	44.2	16.8	16.2	17.5	15.9	6.5	15.9
SM-KTG1/2-3/8	1/2"	3/8"	48.5	22.8	16.8	22.2	17.5	7.2	20.6
SM-KTG5/8-1/2	5/8"	1/2"	52.1	24.4	22.8	25.4	22.2	10.5	23.8
SM-KTG3/4-5/8	3/4"	5/8"	53.6	24.4	24.4	28.6	25.4	15.5	27

訂購碼	ØDA	ØDB	LA	LB	KA	KB	ØEA	ØEB	GA	GB	H
SM-KTEG1/4-1/8	1/4"	1/8"	26.7	24.4	15.2	12.7	4.8	2.3	14.2	11.2	12.7
SM-KTEG3/8-1/4	3/8"	1/4"	30.5	29	16.8	15.2	7.2	4.8	17.5	14.2	15.9
SM-KTEG1/2-3/8	1/2"	3/8"	36.1	33.3	22.9	16.8	10.5	7.2	22.1	17.5	20.6
SM-KTEG5/8-3/8	5/8"	3/8"	38.9	36.1	24.4	16.8	12.0	7.2	25.4	17.5	25.4
SM-KTEG3/4-1/2	3/4"	1/2"	39.6	39.6	24.4	22.9	15.8	10.5	28.6	22.1	26.9

安裝說明

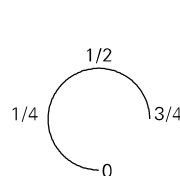
一、初始安裝

- 1、將卡套管插入卡套接頭內，並確保插入端面與卡套接頭貼緊(圖1)；
- 2、用手將螺帽擰緊；
- 3、固定卡套接頭本體，並進行標記；
- 4、1/8"、3/16" 規格需將螺帽擰緊3/4圈(圖2)，1/4" 及以上規格需要將螺帽擰緊1 1/4圈(圖3)，具體安裝方式詳見下表：



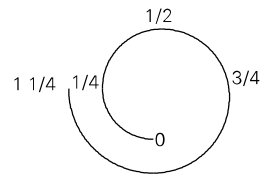
圖一

規格	擰緊圈數
1/8、3/16	擰緊3/4圈(如圖二)
1/4、5/16、3/8 1/2、5/8、3/4	擰緊1 1/4圈(如圖三)



1/8"、3/16"規格卡套接頭

圖二



1/4"及以上規格卡套接頭

圖三

二、重複安裝

- 1、對鎖緊狀態的卡套接頭進行標記，確保復裝完成後螺帽在原先位置；
- 2、拆卸螺帽，並將使用過的卡套管及卡套取出；
- 3、將未使用卡套及卡套管總裝插入接頭本體，並確保各零件插入到位；
- 4、固定接頭本體，並將螺帽擰至標記位置；
- 5、待螺帽擰至標記位置後，再將螺帽輕微擰緊。

注意事項

- 1、拆卸、安裝卡套接頭必須在無系統壓力的情況下進行；
- 2、卡套接頭不具有泄壓功能，不可通過鬆開接頭螺母的方式泄壓；
- 3、拆卸、安裝等作業時，應擰緊螺帽而非接頭本體；
- 4、卡套管插入接頭本體時需確保端面與本體貼近；
- 5、當卡套接頭與閥連接時，應固定閥體，擰緊卡套接頭；
- 6、卡套管插入接頭本體後應留有足夠的長度；
- 7、卡套管端面及表面應保持潔淨、光滑平整；
- 8、卡套管的硬度始終要比卡套接頭軟。