

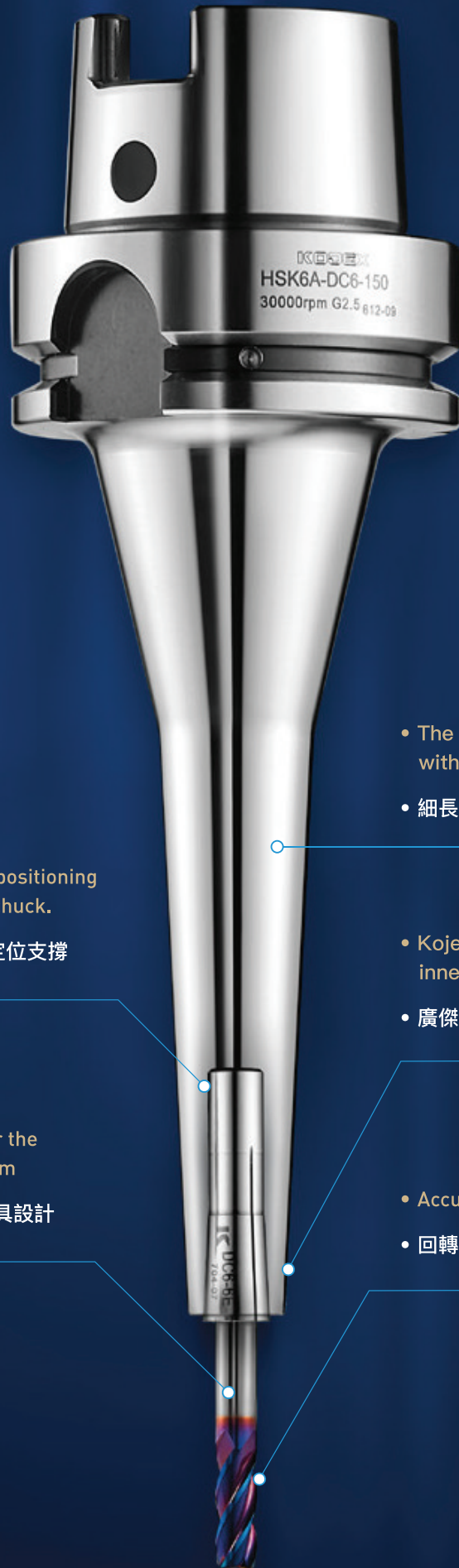
# DC

KOJEX IS THE INITIATOR  
OF INNER-HOLDING  
COLLET CHUCKS

廣傑公司是  
後拉式夾頭的創始者







- The end of collet has positioning support in the collet chuck.

- 筒夾後端在本體內有定位支撐

- Specially designed for the small tools under 6mm

- 針對6mm以下的小刀具設計

- The slim chuck is designed with excellent dodge.

- 細長柄設計具有極佳的閃避性

- Kojex is the initiator of inner-holding collet chuck.

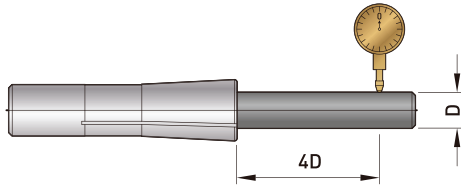
- 廣傑獨創沒有螺帽的筒夾設計

- Accuracy < 0.005mm ( 4XD )

- 回轉精度在0.005mm以下 ( 4XD )

## RUN OUT

Accuracy within 0.005mm at 4 times length of cutter edge to ensure uniform an even cutting action, increasing cutting speed and tool life.



## 回轉精度

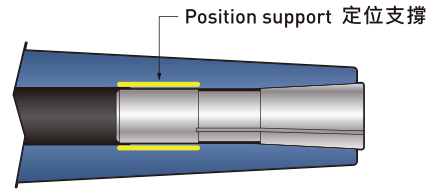
4倍刃長精度在0.005mm以內，確保切削時每刃刀口的均勻切削，可使切削速度提高及刀具壽命增加。

## THE END OF COLLET HAS POSITIONING SUPPORT IN THE COLLET CHUCK.

Kojex's well-designed to reduce vibration during the milling cutter processing.

### 筒夾後端在本體內有定位支撐

這是KOJEX的精心設計，可以減少銑刀加工時的震動。



## EXCELLENT DODGE

The design of the slim chuck support sufficient length. The five-axis machining or mold processing are very suitable.

### 極佳的閃避性

細長柄的設計，充足的長度規格。無論是五軸加工機或模具加工均非常適用。

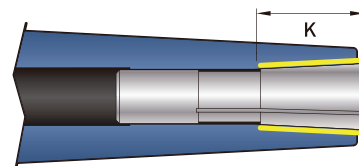


## SPECIALLY FOR END MILL

This is a one-to-one special collet, 95% taper area of the collet [K] is covered the collet chuck, during the milling process to achieve excellent vibration damping effect.

### 銑刀專用的筒夾可供選擇

這是一對一的專用筒夾，筒夾的斜面95%面積[K]，可與本體貼合，銑刀加工時，具有極佳的阻尼減震效果。



## KOJEX IS THE INITIATOR OF INNER-HOLDING COLLET CHUCKS

The simple structure can reduce interference and more stable when the cutting processing.

### 廣傑獨創

#### 沒有螺帽的筒夾設計

沒有螺帽的筒夾設計，結構簡單減少干涉，切削時更為安定。



## SPECIALLY DESIGNED FOR THE SMALL TOOLS UNDER 6MM

The clamping range from 1mm to 6mm for choice any type tools, there are 33 size collet for choice.

### 針對6mm

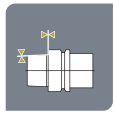
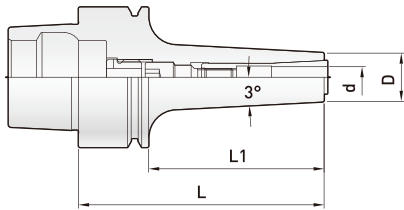
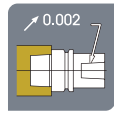
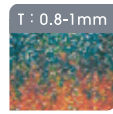
#### 以下的小刀具設計

可夾持1mm~6mm的任何刀具，共有33個筒夾規格可供選擇。



## DC SLIM CHUCK

DC 小徑夾頭刀柄

Dual face contact  
兩面接觸Surface roughness  
表面粗度Run out accuracy  
內孔偏擺度Surface hardness  
表面硬度Carbonized depth  
滲碳深度

Order Code 訂購編號	Range(d) 夾持範圍	L	L1	D	Min <sup>+</sup> G2.5 動態平衡	Spanner 扳手規格	Recommended Torsion 推薦鎖固扭力	Fixed Torque Spanner 固定扭力扳手
HSK32E-DC6 -70	1~6	70	50	14	42,000	M4	5Nm	30294-5144
HSK40E-DC6 -70	1~6	70	50	14	42,000	M4	5Nm	30294-5144
HSK50E-DC6 -75	1~6	75	49	14	36,000	M4	5Nm	30294-5144

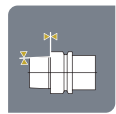
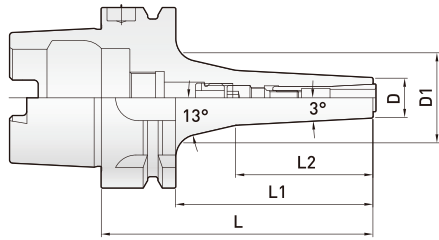
- The tool shank under 2mm must to use 3Nm torque wrench.
- Collet chuck designed without nut and with inner-holding collet. This has strong rigidity and high stability.
- Torque wrench is recommended for chuck stability.
- Torque wrench must be ordered separately.
- The recommended torsion and correct torque wrench prevents deformation of the tool holder.

- 刀具柄徑在 $\varnothing 2$ 以下，必須使用3Nm的扭力扳手。
- 沒有螺帽的後拉式夾頭設計，鋼性強穩定性高。
- 為求使用上的穩定性，建議使用扭力扳手。
- 扭力扳手必須另外訂購。
- 鎖固扭力不要超過推薦值的30%以上，過高的鎖固扭力，可能導致刀柄的變形。



# DC SLIM CHUCK

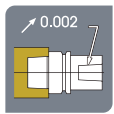
## DC 小徑夾頭刀柄



Dual face contact  
兩面接觸



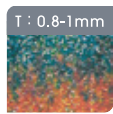
Surface roughness  
表面粗度



Run out accuracy  
內孔偏擺度



Surface hardness  
表面硬度



Carbonized depth  
滲碳深度

Order Code 訂購編號	Range(d) 夾持範圍	L	L1	L2	D	Min <sup>-1</sup> G2.5 動態平衡	Spanner 扳手規格	Recommended Torsion 推薦鎖固扭力	Fixed Torque Spanner 固定扭力扳手
HSK63A-DC6-95	1~6	95	69	45	14	30,000	M4	5Nm	30294-5144
DC6-120	1~6	120	94	65	14	30,000	M4	5Nm	30294-5146
DC6-150	1~6	150	124	82	14	30,000	M4	5Nm	30294-5146

- The tool shank under 2mm must to use 3Nm torque wrench.
- Collet chuck designed without nut and with inner-holding collet. This has strong rigidity and high stability.
- Torque wrench is recommended for chuck stability.
- Torque wrench must be ordered separately.
- The recommended torsion and correct torque wrench prevents deformation of the tool holder.

- 刀具柄徑在 $\varnothing 2$ 以下，必須使用3Nm的扭力扳手。
- 沒有螺帽的後拉式夾頭設計，鋼性強穩定性高。
- 為求使用上的穩定性，建議使用扭力扳手。
- 扭力扳手必須另外訂購。
- 鎖固扭力不要超過推薦值的30%以上，過高的鎖固扭力，可能導致刀柄的變形。



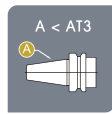
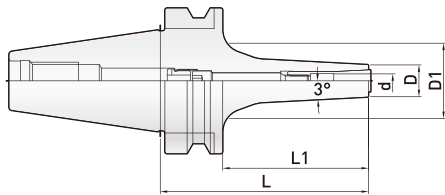
DC

HSK

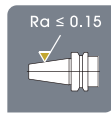
A63

# DC SLIM CHUCK

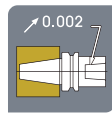
## DC 小徑夾頭刀柄



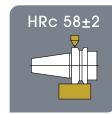
Taper tolerance  
錐度公差



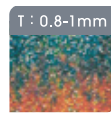
Surface roughness  
表面粗度



Run out accuracy  
內孔偏擺度



Surface hardness  
表面硬度



Carbonized depth  
滲碳深度

Order Code 訂購編號	Range(d) 夾持範圍	L	L1	D	D1	Min <sup>-1</sup> G2.5 動態平衡	Spanner 扳手規格	Recommended Torsion 推薦鎖固扭力	Fixed Torque Spanner 固定扭力扳手
BT30-DC6-60	1~6	60	38	14	-	30,000	M4	5Nm	30294-5144
DC6-90	1~6	90	68	14	28	30,000	M4	5Nm	30294-5144
DC6-120	1~6	120	98	14	38	30,000	M4	5Nm	30294-5144
BT40-DC6-90	1~6	90	63	14	26	30,000	M4	5Nm	30294-5146
DC6-120	1~6	120	93	14	32	30,000	M4	5Nm	30294-5146
DC6-150	1~6	150	123	14	41	30,000	M4	5Nm	30294-5146

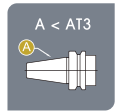
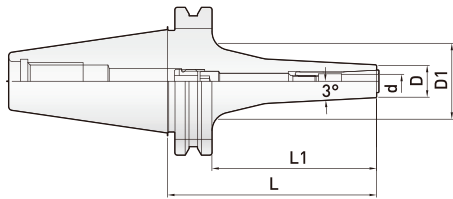
- The tool shank under 2mm must to use 3Nm torque wrench.
- Collet chuck designed without nut and with inner-holding collet. This has strong rigidity and high stability.
- Torque wrench is recommended for chuck stability.
- Torque wrench must be ordered separately.
- The recommended torsion and correct torque wrench prevents deformation of the tool holder.

- 刀具柄徑在 $\varnothing 2$ 以下，必須使用3Nm的扭力扳手。
- 沒有螺帽的後拉式夾頭設計，鋼性強穩定性高。
- 為求使用上的穩定性，建議使用扭力扳手。
- 扭力扳手必須另外訂購。
- 鎖固扭力不要超過推薦值的30%以上，過高的鎖固扭力，可能導致刀柄的變形。



# DC SLIM CHUCK

## DC 小徑夾頭刀柄



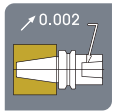
A < AT3

Taper tolerance  
錐度公差



Ra ≤ 0.15

Surface roughness  
表面粗度



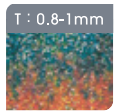
0.002

Run out accuracy  
內孔偏擺度



HRC 58±2

Surface hardness  
表面硬度



T : 0.8-1mm

Carbonized depth  
滲碳深度

Order Code 訂購編號	Range(d) 夾持範圍	L	L1	D	D1	Min <sup>-1</sup> G6.3 動態平衡	Spanner 扳手規格	Recommended Torsion 推薦鎖固扭力	Fixed Torque Spanner 固定扭力扳手
SK40-DC6-90	1~6	90	71	14	30	20,000	M4	5Nm	30294-5146
DC6-120	1~6	120	101	14	40	20,000	M4	5Nm	30294-5144
DC6-150	1~6	150	131	14	42	20,000	M4	5Nm	30294-5146

- The tool shank under 2mm must to use 3Nm torque wrench.
- Collet chuck designed without nut and with inner-holding collet. This has strong rigidity and high stability.
- Torque wrench is recommended for chuck stability.
- Torque wrench must be ordered separately.
- The recommended torsion and correct torque wrench prevents deformation of the tool holder.

- 刀具柄徑在Ø2以下，必須使用3Nm的扭力扳手。
- 沒有螺帽的後拉式夾頭設計，鋼性強穩定性高。
- 為求使用上的穩定性，建議使用扭力扳手。
- 扭力扳手必須另外訂購。
- 鎖固扭力不要超過推薦值的30%以上，過高的鎖固扭力，可能導致刀柄的變形。





# DC EXTENSION SLIM CHUCK

## DC 直柄式延長桿

Fig 1 / 圖號 1

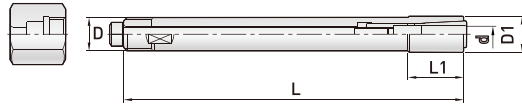
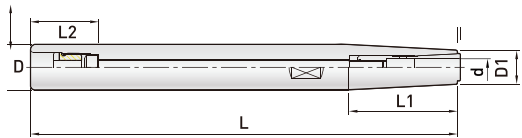


Fig 2 / 圖號 2



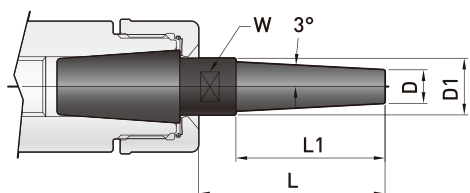
Order Code 訂購編號	d	L	L1	L2	D	D1	Fig 圖號	Stop Nut 止動螺帽	Spanner 扳手規格	Recommended Torsion 推薦鎖固扭力	Collet 筒夾
ST10-DC4-90	2-4	90	14	--	10	9	1	TP-M8	30194-632(M3)	4Nm	DC4
ST12-DC4-120	2-4	120	38	--	12	9	2	--	30194-632(M3)	4Nm	DC4
ST12-DC6-120	1-6	120	40	--	12	14	1	TP-M12	30194-643(M4)	5Nm	DC6
ST16-DC6-150	1-6	150	35	24	16	14	2	--	30194-643(M4)	5Nm	DC6
ST20-DC6-200	1-6	200	70	74	20	14	2	--	30194-643(M4)	5Nm	DC6
ST25-DC6-250	1-6	250	115	124	25	14	2	--	30194-644(M4)	5Nm	DC6

- The tool shank under 2mm must use 3Nm torque wrench.
- 刀具柄徑在 $\phi 2$ 以下，必須使用3Nm的扭力扳手。
- Extension adaptor includes one hexagon spanner and spanner(A).
- 出貨時附T型扳手及扳手(A)各1支。



# SD13 EXTENSION SLIM CHUCK

SD13 筒夾式延長桿



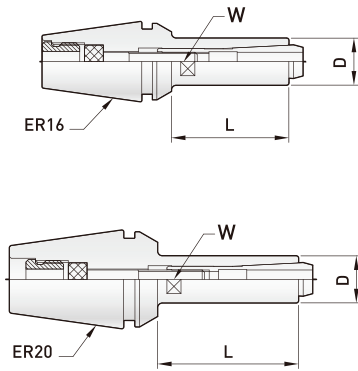
Order Code 訂購編號	Holder 本體規格	Range(d) 夾持範圍	L	L1	D	D1	Spanner 扳手	W	Collet 筒夾
SD13-DC4-50	SD13	2~4	50	40	9	15	30194-632	13mm	DC4
SD13-DC6-50	SD13	1~6	50	40	14	15	30194-643	13mm	DC6

- The tool shank under 2mm must use 3Nm torque wrench.
- The users can more choose for the extension rod of SD13 collet chuck.
- Extension adaptor includes one hexagon spanner and spanner(A).
- 刀具柄徑在 $\phi 2$ 以下，必須使用3Nm的扭力扳手。
- 配合SD13本體的延長桿，使用者可以多一種選擇。
- 出貨時附T型扳手及扳手(A)各1支。



# ER EXTENSION SLIM CHUCK

ER 筒夾式延長桿



Order Code 訂購編號	Holder 本體規格	Range(d) 夾持範圍	L	D	Spanner 扳手	W	Collet 筒夾
ER16-DC4-25	ER16	2~4	25	9	30194-632	8	DC4
ER20-DC6-35	ER20	1~6	35	14	30194-643	13	DC6

- The tool shank under 2mm must use 3Nm torque wrench.
- The users can more choose for the extension rod of ER collet chuck.
- Extension adaptor includes one hexagon spanner and spanner(A).

- 刀具柄徑在 $\varnothing 2$ 以下，必須使用3Nm的扭力扳手。
- 配合ER本體的延長桿，使用者可以多一種選擇。
- 出貨時附T型扳手及扳手(A)各1支。





# SET OF DC EXTENSION SLIM CHUCK



DC 小徑延長桿 (整組)



## DC4

Order Code 訂購編號	Contains 內容			
	Collet Chuck 夾頭	Collet 筒夾	Spanner (A) 扳手 	Spanner (B) 扳手 
SST10-DC4-90	ST10-DC4-90	DC4-2E x 1pc DC4-3E x 1pc	30194-002	30194-632(M3)
SST12-DC4-120	ST12-DC4-120	DC4-4E x 1pc		

## DC6

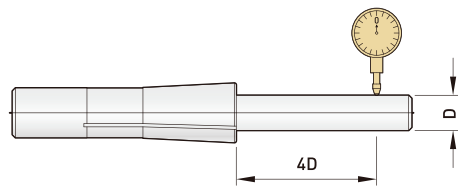
Order Code 訂購編號	Contains 內容			
	Collet Chuck 夾頭	Collet 筒夾	Spanner (A) 扳手 	Spanner (B) 扳手 
SST12-DC6-120	ST12-DC6-120	DC6-3E x 1pc DC6-4E x 1pc	30194-002	30194-643(M4)
SST16-DC6-150	ST16-DC6-150	DC6-6E x 1pc		30194-643(M4)



## DC COLLET (E TYPE)

DC 筒夾 (E型)

### DC COLLET RUNOUT

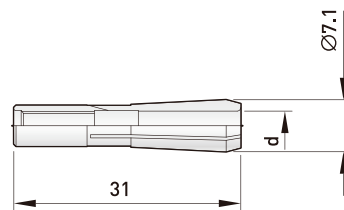


- Runout <math>< 5\mu\text{m}</math> (4×D)
- 跳動精度 <math>< 5\mu\text{m}</math> (4×D)

- The design of E Type collets is emphasized on increase the clamping force of end mills.
- Special designed for end mill.

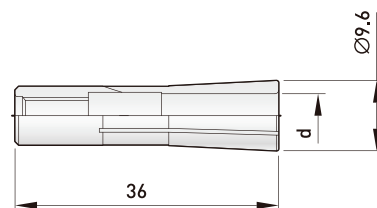
- E Type筒夾設計重點是強調立銑刀的夾持力。
- 立銑刀專用夾頭。

### DC 4 COLLET



Order Code 訂購編號	(d) 夾持徑
DC4-2E	2
3E	3
4E	4
1/8E	3.175

### DC 6 COLLET

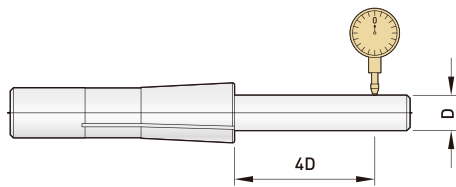


Order Code 訂購編號	(d) 夾持徑
DC6-3E	3
4E	4
5E	5
6E	6
1/8E	3.175
1/4E	6.35

## DC6 COLLET (K TYPE) for small shank

DC6 筒夾 (K型) 微小徑專用

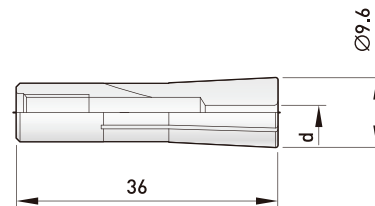
### DC COLLET RUNOUT



- Runout <math>< 5\mu\text{m}</math> (4×D)
- 跳動精度 <math>< 5\mu\text{m}</math> (4×D)

- K Type collets can clamp any type of drills, reamers and taps below  $\varnothing 1.9\text{mm}$ .
- Gripping range of each type of collets is 0.1mm.
- K Type筒夾，可夾持 $\varnothing 1.9\text{mm}$ 以下的鑽頭、鉸刀、絲攻及銑刀。
- 每一個筒夾的夾持範圍為0.1mm。

### DC 6 COLLET FOR SMALL SHANK

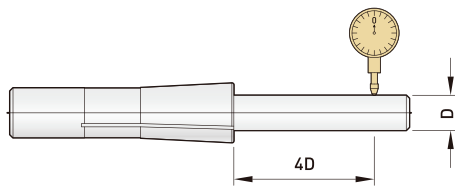


Order Code 訂購編號	d	(d) 夾持徑
DC6-1.0K	1.0	0.9~1.0
1.1K	1.1	1.0~1.1
1.2K	1.2	1.1~1.2
1.3K	1.3	1.2~1.3
1.4K	1.4	1.3~1.4
1.5K	1.5	1.4~1.5
1.6K	1.6	1.5~1.6
1.7K	1.7	1.6~1.7
1.8K	1.8	1.7~1.8
1.9K	1.9	1.8~1.9

## DC6 COLLET (D TYPE)

DC6 筒夾 (D型)

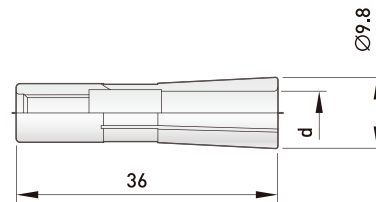
### DC COLLET RUNOUT



- Runout <math>< 5\mu\text{m}</math> (4×D)
- 跳動精度 <math>< 5\mu\text{m}</math> (4×D)

- D Type collets can clamp any type of drills, reamers and taps below  $\varnothing 6\text{mm}$ .
- Gripping range of each type of collets is 0.25mm.
- D Type筒夾，可夾持 $\varnothing 6\text{mm}$ 以下的鑽頭、鉸刀、絲攻及銑刀。
- 每一個筒夾的夾持範圍為0.25mm。

### DC 6-D COLLET




Order Code 訂購編號	d	(d) 夾持徑
DC6-2D	2	1.75~2.00
2.25D	2.25	2.00~2.25
2.5D	2.5	2.25~2.50
2.75D	2.75	2.50~2.75
3D	3	2.75~3.00
3.25D	3.25	3.00~3.25
3.5D	3.5	3.25~3.50
3.75D	3.75	3.50~3.75
4D	4	3.75~4.00
4.25D	4.25	4.00~4.25
4.5D	4.5	4.25~4.50
4.75D	4.75	4.50~4.75
5D	5	4.75~5.00
5.25D	5.25	5.00~5.25
5.5D	5.5	5.25~5.50
5.75D	5.75	5.50~5.75
6D	6	5.75~6.00

## SPANNER

扳手




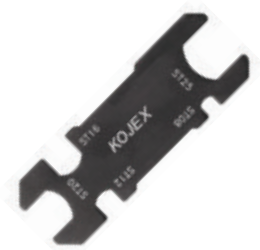
Order Code 訂購編號		L
30194-632	3	100
643	4	150
644	4	200

## FIXED TORQUE SPANNER

固定扭力扳手



Order Code 訂購編號	Torque 扭力值		L	Tool Size 適用規格
30294-5134	3Nm	4	70	Collet under 2mm
5144	5Nm	4	70	DC6
5146	5Nm	4	115	



Order Code 訂購編號
30194-002