

燒結系統化示意圖

Modular Shrink-Fit System Illustration

不鏽鋼熱膨脹刀桿專用 For Stainless Shrink-Fit Chuck

加熱設備 Heater



LM-HM-12400
熱風式加熱器
Hot-Air Heater



LM-HM-12400-TC
熱風式加熱器-自動計時型
Hot Air Heater - Auto Timer Type

刀桿 Chuck



HSK-SFW不鏽鋼熱膨脹刀桿
HSK-SFW Shrink-Fit Chuck



C-SFW不鏽鋼熱膨脹延長桿
C-SFW Straight Shank of
Shrink-Fit Chuck



MFS熱膨脹延長桿
MFS Shrink-Fit Extension
結合SFS後拉式刀桿使用
With SFS Slim-Fit Collet Chuck

刀具 Cutting Tool

工具鋼熱膨脹刀桿專用 For Hot Work Steel Shrink-Fit Chuck



SFC-300電磁誘導加熱器
Shrink-Fit Machine



SFC-1000電磁誘導加熱器
Shrink-Fit Machine



BT/SFCT熱膨脹刀桿
BT/SFCT Shrink-Fit Chuck



SBT/SFCT 法蘭加厚型熱膨脹刀桿
DualDRIVE+ SBT/SFCT
Shrink Fit Chuck



HSK/SFCT熱膨脹刀桿
HSK/SFCT Shrink-Fit Chuck
(FOR TYPE E)



C-SFC不鏽鋼熱膨脹延長桿
C-SFC Straight Shank of
Shrink-Fit Chuck



PSC/SFC熱膨脹刀桿
PSC/SFC Shrink Fit Chuck



SFC熱膨脹刀桿(出水孔型)
SFC Shrink Fit Chuck
(With CP Coolant Hole)



SFC熱膨脹刀桿(威力曲線型)
SFC Shrink Fit Chuck
(CUL Type)



EM碳化鎢鋼立銑刀
Tungsten Carbide End Mills



BE碳化鎢鋼球型立銑刀
Tungsten Carbide Ball End Mills



RE碳化鎢鋼圓鼻立銑刀
Tungsten Carbide Ball End Mills

LM-HM-12400 熱風式加熱器 (不鏽鋼)

LM-HM-12400 HOT-AIR HEATER FOR STAINLESS STEEL

JIS
MAS 403
B6339

LEMMA
NEW

不鏽鋼刀桿專用
For Stainless Steels Tool Holder



BT

- 適用刀桿 : MFS - Applicable chuck: MFS

規格 Spec.	LM-HM-12400
尺寸 (長 x 寬 x 高) Size(DxWxH)	527.7x329x656(mm)
輸出電源 Power output	200V AC, 50/60 Hz 15A
瞬間輸出最大功率 Maximum output	3000 瓦 (W)
建議使用範圍 Tool size range	適用於 $\varnothing 3(1/8") \sim \varnothing 12(1/2")$
使用氣壓壓力範圍 Pneumatic requirements	0.4~0.6(Mpa)
加熱時間 Heating time	以 3mm(1/8") 約 90(Sec)
加熱刀桿材質 Shrink-fit chuck material	不鏽鋼材質 stainless steel
重量 (kg)Weight	17.26(kg)

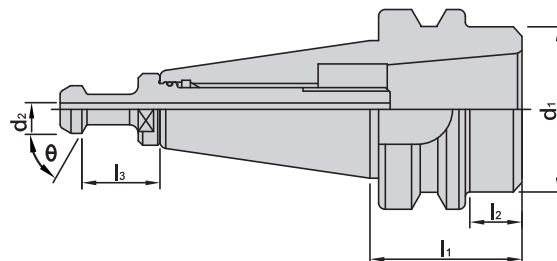
標準配備 Standard Equipment

圖示 Pic.	規格 Spec.	名稱 Description	用途 Use
	LM-HM-12400-031	電子式倒數計時器 Digital Countdown Timer	計時加熱及冷卻時間 Countdown the heating and cooling time
	LM-HM-12400-030	鑷子 Tweezer	夾取待安裝或拆卸下之刀具 Used for grabbing tool
	LM-HM-12400-BT50/HSK100	刀桿放置座 Tool Holder Plate	適合放置 BT50 和 HSK100 之刀桿， 以及轉換其他規格之變徑刀桿座 Applicable for placing BT50 and HSK100 holders, as well as for changing different base holders
	LM-HM-12400-003-2	加熱罩蓋 Heating Mantle	加熱過程中包覆刀桿，使刀桿有效受熱， 適用刀具柄徑 $\varnothing 3 \sim \varnothing 6$ $\varnothing 6$ 。To heat the holders evenly. Applicable for tools from $\varnothing 3\text{mm} \sim \varnothing 6\text{mm}$
	LM-HM-12400-003-3		加熱過程中包覆刀桿，使刀桿有效受熱， 適用刀具柄徑 $\varnothing 8 \sim \varnothing 12$ $\varnothing 12$ 。To heat the holders evenly. Applicable for tools from $\varnothing 8\text{mm} \sim \varnothing 12\text{mm}$
	LM-HM-12400-032	AC 轉換插頭 Universal Adaptor	轉換插頭型式 Power converter

選配配件 Option Accesories

圖示 Pic.	規格 Spec.	名稱 Description	用途 Use
	LM-HM-12400-035	耐熱手套 Heat resistant glove	有效阻絕熱源，保護操作者誤觸到高溫 Protection from high temperatures
	LM-HM-12400-034	銑刀放置盤 Tool cooling tray	放置從熱伸長導桿上拆卸下來的刀具用置放台 For placing the tools that have been removed from the shrink-fit chuck
	BT30、BT40、HSK25、HSK32、 HSK40、HSK63	變徑刀桿座 Base holder	用於固定刀桿之變徑刀桿座 Used for fixing different types of base holders

• 長度單位 Unit of Length (mm)



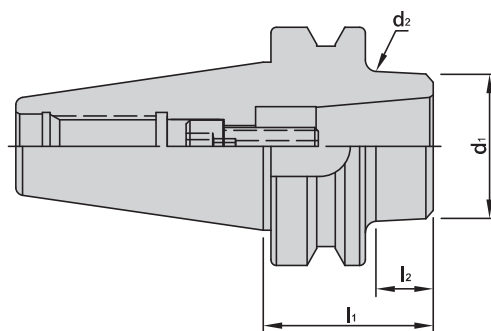
特點 Feature

- 需搭配 MFS 熱膨脹刀桿做使用

- Need to be used with MFS shrink-fit extension.

規格 Spec.	l_1	l_2	l_3	d_1	d_2	θ	重量 (KGS) Weight
BT30 x SFS12-35-A	35	12	18	38.1	3	45°	0.4
BT30 x SFS12-35-B	35	12	18	38.1	3	60°	0.4

※ 含拉頭 With pull studs



規格 Spec.	l_1	l_2	d_1	d_2	重量 (KGS) Weight
BT40 x SFS12 - 45	45	15.1	38.1	39.6	1.1
BT40 x SFS12 - 75	75	60.1	38.1	42.8	1.4
BT40 x SFS12 - 90	90	45.1	38.1	44.4	1.6
BT40 x SFS12 - 135	135	105.1	38.1	49.1	2.2
BT50 x SFS12 - 75	75	34.1	38.1	41.6	4.0
BT50 x SFS12 - 105	105	64.1	38.1	44.8	4.4
BT50 x SFS12 - 135	135	94.1	38.1	47.9	4.7
BT50 x SFS12 - 225	225	184.1	38.1	57.4	6.4
BT50 x SFS12 - 315	315	274.1	38.1	66.8	11

※ 不含拉頭 Not included pull studs

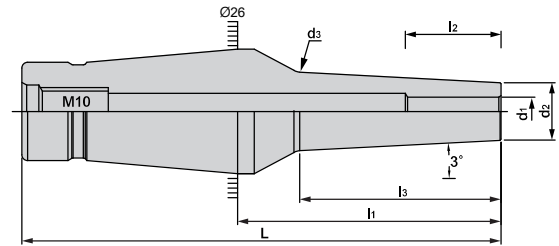
選配表 Option

拉頭 Pull Stud	
	
B645	B645-B647

• 長度單位 Unit of Length (mm)

燒結式 Shrink-Fit

壁薄型 Thin



特點 Feature

- 材質：不鏽鋼
- 需搭配 SFS 後拉式立銑刀夾頭做使用

- Material: Heat-resistant stainless steel.
- Need to be used with SFS slim-fit collet chuck.

規格 Spec.	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	重量 (KGS) Weight
MFS12S x 3mm - 35	80	35	10	22	3	6	8.3	0.16
MFS12S x 3mm - 55	100	55	10	42	3	6	10.4	0.17
MFS12S x 3mm - 80	125	80	10	67	3	6	13.0	0.20
MFS12S x 3mm - 110	155	110	10	97	3	6	16.2	0.23
MFS12S x 3.175mm - 35	80	35	10	22	3.175	6.175	8.5	0.16
MFS12S x 3.175mm - 55	100	55	10	42	3.175	6.175	10.6	0.17
MFS12S x 3.175mm - 80	125	80	10	67	3.175	6.175	13.2	0.19
MFS12S x 3.175mm - 110	155	110	10	97	3.175	6.175	16.3	0.23
MFS12S x 4mm - 35	80	35	10	22	4	7	9.3	0.16
MFS12S x 4mm - 55	100	55	10	42	4	7	11.4	0.18
MFS12S x 4mm - 80	125	80	10	67	4	7	14.0	0.20
MFS12S x 4mm - 110	155	110	10	97	4	7	17.2	0.24
MFS12S x 6mm - 35	80	35	20	22	6	9	11.3	0.17
MFS12S x 6mm - 55	100	55	20	42	6	9	13.4	0.18
MFS12S x 6mm - 80	125	80	20	67	6	9	16.2	0.21
MFS12S x 6mm - 110	155	110	20	97	6	9	19.2	0.26
MFS12S x 8mm - 35	80	35	26	22	8	11	13.3	0.17
MFS12S x 8mm - 55	100	55	26	42	8	11	15.4	0.19
MFS12S x 8mm - 80	125	80	26	67	8	11	18.0	0.23
MFS12S x 8mm - 110	155	110	26	97	8	11	21.2	0.29
MFS12S x 10mm - 35	80	35	32	22	10	13	15.3	0.17
MFS12S x 10mm - 55	100	55	32	42	10	13	17.4	0.20
MFS12S x 10mm - 80	125	80	32	67	10	13	20.0	0.24
MFS12S x 10mm - 110	155	110	32	97	10	13	23.2	0.32
MFS12S x 12mm - 35	80	35	37	22	12	15	17.3	0.17
MFS12S x 12mm - 55	100	55	37	42	12	15	19.4	0.20
MFS12S x 12mm - 80	125	80	37	67	12	15	22.0	0.26
MFS12S x 12mm - 110	155	110	37	97	12	15	25.2	0.35

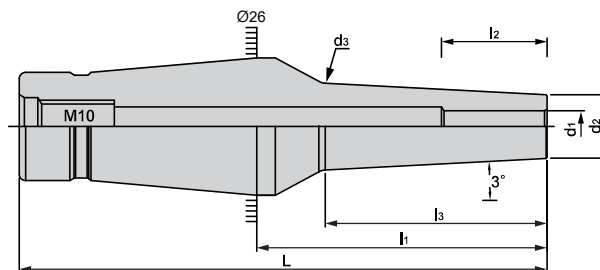
選配表 Option

加熱器 Hot-Air



B397-B398

• 長度單位 Unit of Length (mm)



特點 Feature

- 材質：不鏽鋼
- 需搭配 SFS 後拉式立銑刀夾頭做使用

- Material: Heat-resistant stainless steel.
- Need to be used with SFS slim-fit collet chuck.

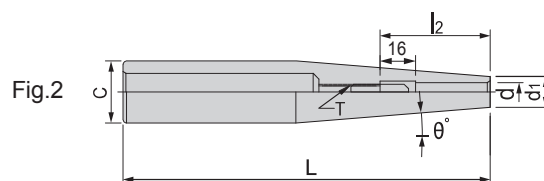
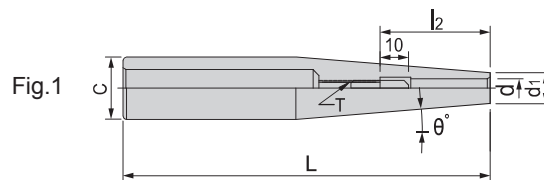
規格 Spec.	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	重量 (KGS) Weight
MFS12R x 3mm - 35	80	35	10	22	3	7.5	9.8	0.2
MFS12R x 3mm - 55	100	55	10	42	3	7.5	11.9	0.2
MFS12R x 3mm - 80	125	80	10	67	3	7.5	14.5	0.2
MFS12R x 4mm - 35	80	35	10	22	4	10	12.3	0.2
MFS12R x 4mm - 55	100	55	10	42	4	10	14.4	0.2
MFS12R x 4mm - 80	125	80	10	67	4	10	17	0.2
MFS12R x 6mm - 35	80	35	20	22	6	12	14.3	0.2
MFS12R x 6mm - 55	100	55	20	42	6	12	16.4	0.2
MFS12R x 6mm - 80	125	80	20	67	6	12	19	0.2
MFS12R x 8mm - 35	80	35	26	22	8	14	16.3	0.2
MFS12R x 8mm - 55	100	55	26	42	8	14	18.4	0.2
MFS12R x 8mm - 80	125	80	26	67	8	14	21	0.3
MFS12R x 10mm - 35	80	35	32	22	10	16	18.3	0.2
MFS12R x 10mm - 55	100	55	32	42	10	16	20.4	0.2
MFS12R x 10mm - 80	125	80	32	67	10	16	23	0.3
MFS12R x 12mm - 35	80	35	37	22	12	20	22.3	0.2
MFS12R x 12mm - 55	100	55	37	42	12	20	24.4	0.2
MFS12R x 12mm - 80	125	80	37	51.5	12	20	25.4	0.3

選配表 Option



• 長度單位 Unit of Length (mm)

燒結式 Shrink-Fit



特點 Feature

- 搭配任何筒夾式刀桿使用，應用廣泛且便利
- 精度 5μ

- Compatible with all collet type tool holder. Wide application and economical
- Precision 5μ.

規格 Spec.	C	L	l_2	d	d_1	θ	T	Fig.	重量 (KGS) Weight
C10-SFW4-120	10	120	20	3	7	3°	-	1	0.06
C12-SFW6-120	10	120	20	4	10	3°	-	1	0.12
C20-SFW10-150	12	150	36	6	14	3°	M5x0.8P	2	0.12
C20-SFW8-150	16	150	10	4	12	3°	M6x1.0P	1	0.18
C20-SFW6-150	16	150	36	6	10	3°	M5x0.8P	2	0.20
C16-SFW4-150	20	150	26	6	7	3°	-	2	0.25
C16-SFW6-150	20	150	20	8	9	3°	-	1	0.28
C20-SFW4-200	20	200	42	10	7	3°	-	1	0.24
C20-SFW6-200	25	200	26	6	10	3°	-	2	0.64
C20-SFW8-200	25	200	26	8	12	3°	-	1	0.66

選配表 Option



• 長度單位 Unit of Length (mm)