

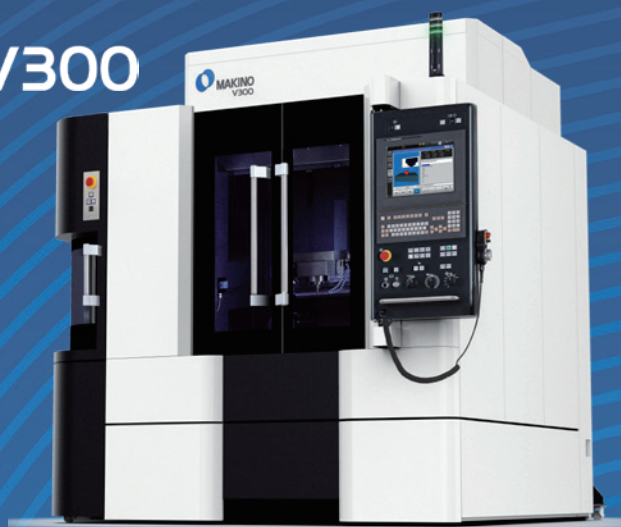


HSK-A63 F63 刀柄 TOOLING SYSTEM

创新实现最优化

Innovation achieves optimization

V300



V33i



V56i

热装式刀柄 **SLIMLINE**
SHRINK-FIT HOLDER SLIMLINE



2体型
2 PIECE
type
P. 3

一体型
MONO
series
P. 5

RED SCREW arbor

可换式刀具用延长杆
The arbor for
Indexable End Mill



P. 14

DETa-1 超弹性筒夹刀柄
DETa-1 COLLET HOLDER



P. 15



日本恩司迪公司

MST corporation



2609

热装专用特殊钢材

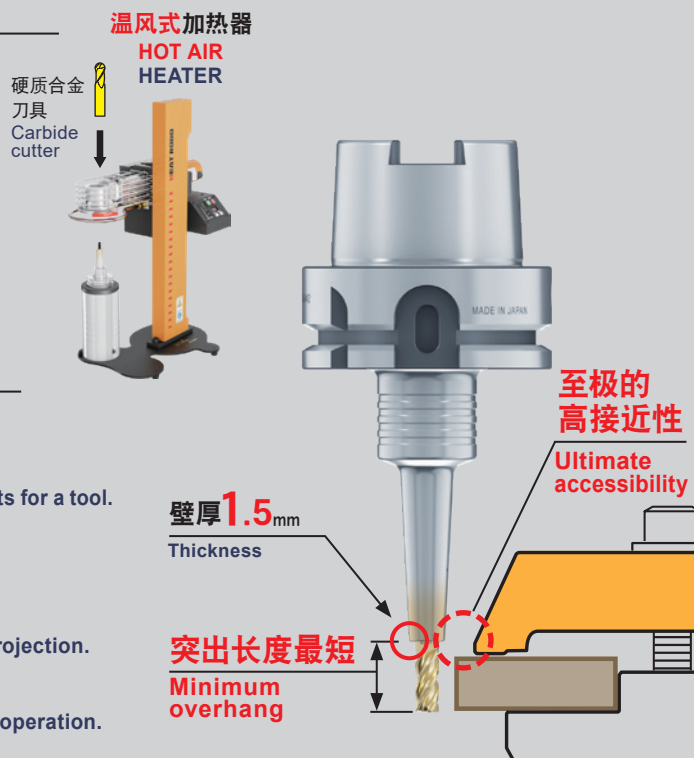
Specialized steel for the shrink-fit holder

- 热膨胀系数是一般钢材的1.6倍
Its thermal expansion coefficient is 1.6 times higher than that of regular steel.
- 用温风式加热器即可进行热装卸操作
Shrink fitting and removing is achieved using a hot-air heater.
- 不用担心加热过度
Will not overheat even if heated for a long time.

构造简单 & 细长设计

Simple configuration & slim design

- 无零部件的一体式构造
Simple and solid body configuration without any tightening parts for a tool.
- 前端壁厚仅为1.5mm的超纤细设计
Ultra-slim design with 1.5mm tip thickness.
- 与工件无干涉, 可将刀具突出长度缩至最短
Less interference with the work-piece with minimal the tool projection.
- 无论谁来操作都可实现高精度夹持
Superior accuracy, regardless of who performs the shrinking operation.
- 高夹持力不滑刀
No tool slippage due to strong gripping force.



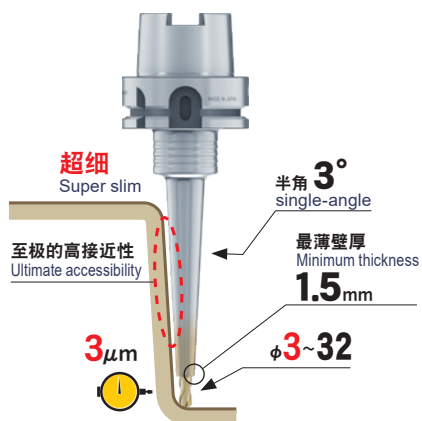
丰富的刀柄产品种类

A vast array of holders

一体型 3°

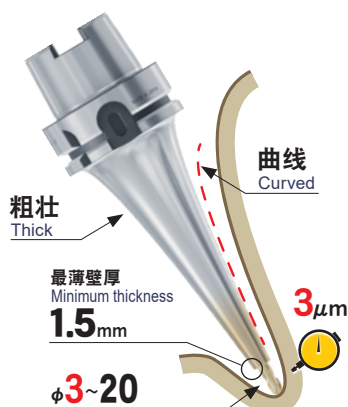
MONO 3°

最适合深腔直壁加工
Ideal for deep and straight wall milling applications



一体型 CURVE MONO CURVE

最适合5轴加工
Ideal for 5-axis applications



2体型系列

2 PIECE type

通用性卓越超群
Highly versatile



UNO

超精密 Superior accuracy



强力型 热装刀柄

HYPER VERSION

铣刀 重切削加工用 Heavy-duty machining for Endmill

- 超短型
Short type



- 重切削型
Heavy-duty type



- SLIMLINE Z



2体型系列

2 PIECE type

本体

Master Holder

8型

12型

SLK 8

SLK 12

φ3~8

φ3~12



Fig. 1

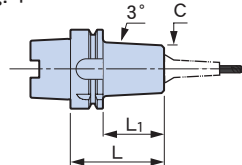


Fig. 2

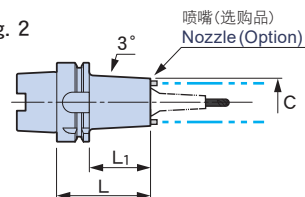
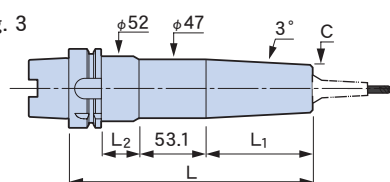


Fig. 3



CODE	Fig.	L	L ₁	L ₂	φC	Kg	
A63 -SLK 8- 55	1	55	7	—	29.5	0.8	8 型
- 75		75	15		30.5	0.9	
F63M-SLK 8- 55	1	55	7		29.5	0.8	
- 75		75	15		30.5	1	
A63 -SLK12- 75	1	75	49	49	38	1	12 型
- 75F	2				41	1.1	
-135	1	135	109	109	38	1.7	
-135F	2				41	1.9	
-165	3	165	86	—	38	2.2	
-195		195		30		2.7	
-225		225		60		3.2	
F63M-SLK12- 75	1	75	49	49	38	1	



- 选品
 - SLIMLINE筒夹
 - 扳手
 - 喷嘴
- 标准附属品
 - 冷却液导管 (HSK-A)
- Options
 - SLIMLINE collet
 - Wrench
 - Nozzle
- Std. Access.
 - Coolant duct (HSK-A)

扳手

Wrench

用于拧紧本体和 SLIMLINE筒夹。

Required for clamping the master holder and SLIMLINE collet.

CODE	本体 Master Holder
TW-4	8 型
W -135	12 型



喷嘴

Nozzle

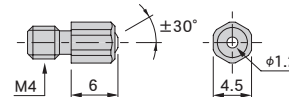
CODE	数量 Q'ty
NOZ-M4-12	12
-60	60



- 备考
 - 每个本体需要4个

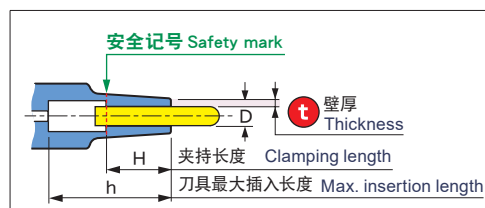
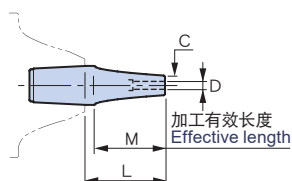
■Note

- Four nozzles are required for each master holder.



SLIMLINE热装筒夹

SLIMLINE collet



■注意事项

- 刀具安装...插入刀具时, 请务必将刀具插入比安全记号更深的位置。

■Caution

- Setting cutters...Be sure to insert the tool beyond the safety mark.

8型

8 type

CODE	φD	φC	t	L	M	H	g	h
CS8-3-25	3	6	1.5	25	22	9	60	37.5
-45				45	42		70	57.5
-65				65	62		80	77.5
CR8-3-45	3	7.5	2.25	45	42	9	70	57.5
-65				65	62		90	77.5
CF8-3-45	3	9.5	3.25	45	42	9	80	57.5
-65				65	62		100	77.5
CS8-4-25	4	7	1.5	25	22	12	60	37.5
-45				45	42		70	57.5
-65				65	62		80	77.5
CR8-4-45	4	10	3	45	42	12	80	57.5
-65				65	62		100	77.5
CF8-4-45	4	12	4	45	42	12	90	57.5
-65				65	62		110	77.5



CODE	φD	φC	t	L	M	H	g	h
CS8-6-25	6	9	1.5	25	22	15	60	35
-45				45	42		80	
-65				65	62		90	
CR8-6-45	6	12	3	45	42	15	90	35
-65				65	62		110	
CF8-6-45	6	14	4	45	42	15	100	35
-65				65	62		120	
CS8-8-25	8	11	1.5	25	22	20	60	37
-45				45	42		70	49
CR8-8-45	8	14	3	45	42	20	90	49
CF8-8-45	8	16	4	45	42	20	110	49



CODE	φD	φC	t	L	M	H	h	 Kg
CS12-3- 35	3	6	1.5	35	22	10	60	0.2
- 55				55	42		80	
- 80				80	67		105	
-110				110	97		135	
CR12-3- 35	3	7.5	2.25	35	22	10	60	0.2
- 55				55	42		80	
- 80				80	67		105	
CF12-3- 35	3	9.5	3.25	35	22	10	60	0.2
- 55				55	42		80	
- 80				80	67		105	
CS12-3.175- 35	3.175	6.175	1.5	35	22	10	60	0.2
- 55				55	42		80	
- 80				80	67		105	
-110				110	97		135	
CS12-4- 35	4	7	1.5	35	22	12	60	0.2
- 55				55	42		80	
- 80				80	67		105	
-110				110	97		135	
CR12-4- 35	4	10	3	35	22	12	60	0.2
- 55				55	42		80	
- 80				80	67		105	
CF12-4- 35	4	12	4	35	22	12	60	0.2
- 55				55	42		80	
- 80				80	67		105	
CS12-5- 35	5	8	1.5	35	22	15	60	0.2
- 55				55	42		80	
- 80				80	67		105	
-110				110	97		135	
CS12-6- 35	6	9	1.5	35	22	18	60	0.2
- 55				55	42		80	
- 80				80	67		105	
-110				110	97		135	
CR12-6- 35	6	12	3	35	22	18	60	0.2
- 55				55	42		80	
- 80				80	67		105	
- 80				80	67		105	
CRB12-6- 35	6	14	4	35	22	18	60	0.2
- 55				55	42		80	
- 80				80	67		105	
CF12-6- 35	6	14	4	35	22	18	60	0.2
- 55				55	42		80	
- 80				80	67		105	
CS12-7- 35	7	10	1.5	35	22	20	60	0.2
- 55				55	42		80	
- 80				80	67		105	
-110				110	97		135	



CODE	φD	φC	t	L	M	H	h	 Kg
CS12- 8- 35	8	11	1.5	35	22	25	60	0.2
- 55				55	42		80	
- 80				80	67		105	
-110				110	97		135	
CR12- 8- 35	8	14	3	35	22	25	60	0.2
- 55				55	42		80	
- 80				80	67		105	
CRB12- 8- 35	8	18	5	35	22	25	60	0.2
- 55				55	42		80	
- 80				80	—		105	
CF12- 8- 35	8	16	4	35	22	25	60	0.2
- 55				55	42		80	
- 80				80	67		105	
CS12- 9- 35	9	12	1.5	35	22	30	60	0.2
- 55				55	42		80	
- 80				80	67		105	
-110				110	97		135	
CS12-10- 35	10	13	1.5	35	22	30	60	0.2
- 55				55	42		80	
- 80				80	67		105	
-110				110	97		135	
CR12-10- 35	10	16	3	35	22	30	60	0.2
- 55				55	42		80	
- 80				80	67		105	
CRB12-10- 35	10	22	6	35	22	30	60	0.2
- 55				55	—		80	
- 80				80	—		105	
CF12-10- 35	10	18	4	35	22	30	60	0.2
- 55				55	42		80	
- 80				80	—		105	
CS12-11- 35	11	14	1.5	35	22	30	60	0.2
- 55				55	42		80	
- 80				80	67		105	
-110				110	97		135	
CS12-12- 35	12	15	1.5	35	22	30	60	0.2
- 55				55	42		80	
- 80				80	67		105	
-110				110	—		135	
CR12-12- 35	12	20	4	35	22	30	60	0.2
- 55				55	42		80	
- 80				80	—		105	
CF12-12- 35	12	20	4	35	22	30	60	0.2
- 55				55	42		80	
- 80				80	—		105	



刀柄台

Holder stand

SLIMLINE筒夹、直柄刀杆、HSK-E25、E32用刀柄筒夹台。
有4种颜色可供选择，可按颜色分类整理，使用方便。

This is a stand for SLIMLINE collets, STRAIGHT arbor and compact holders (HSK-E25, E32). Selectable from four colors. Convenient to make arrangements by color-coding, etc.



CODE	色 Colors	正面 Front face	反面 Back face	放置个数 Storage capacity
SDKT-RE	红 Red	SLIMLINE 筒夹 SLIMLINE collet	小径刀柄 Small shank holder (HSK-E25/E32)	各 25 支 25 pieces each
-BL	蓝 Blue	直柄刀杆 Straight arbor		
-GR	绿 Green			
-GD	金 Gold			



正面
Front face



反面
Back face

A63

一体型 3°



A63-SLSA6-150-M97

一体型 CURVE

CV



A63-SLSA8-150 cv

Fig. 1

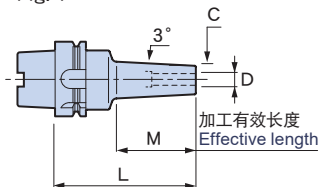


Fig. 2

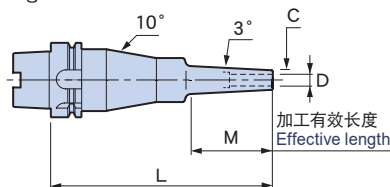
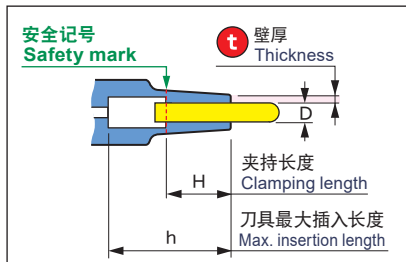
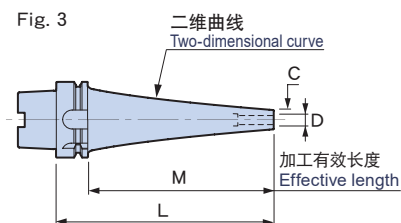


Fig. 3



标准附属品

- 冷却液导管 (固定式)(HSK-A)

备注

- 可对应可动式冷却液导管

注意事项

- 刀具安装…插入刀具时,请务必将刀具插入比安全记号更深的位置。

Std.Access.

- Coolant duct (fixed type)(HSK-A)

Note

- Swing type coolant ducts are available upon request.

Caution

- Setting cutters...Be sure to insert the tool beyond the safety mark.

关于刀柄的安装固定 (HEAT ROBO电磁式加热器 1200S)

一些型号的热装式刀柄无法使用

HEAT ROBO电磁式加热器进行加热, 请确认所使用刀柄是否能在该加热器上使用。

另外, 表格中有「▲」处, 请采用下列方法进行对应。

由于刀柄较长, 无法放置于底座上加热。

请将刀柄直接放置于定位底板上。

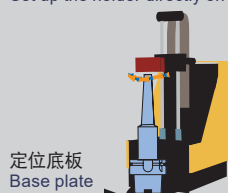
How to set up the holder

(HEAT ROBO DENJI 1200S)

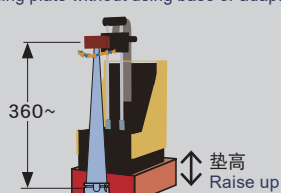
Some SLIMLINE holders cannot be heated due to its longer length than HRD-01S-230AS.

Confirm whether the holder is available or not. Please follow the operation below for the items marked "▲" in the list.

Heating operation is impossible due to holder's longer length. Set up the holder directly on the positioning plate without using base or adapter.



定位底板
Base plate



360~

垫高
Raise up

HEATROBO电磁1200S (HRD-01S-230AS) 电磁式加热器对应表

Compatibility table for HEATROBO DENJI 1200S(HRD-01S-230AS)

- [○] 可加热 Available
- [▲] 垫高加热器后可进行加热 Usable by raising the heating unit.
- [×] 不可加热 Not available
- [★] 请使用2号加热线圈 Use heating coil No. 2

CODE	Fig.	φD	φC	t	L	M	H	h	Kg	
A63-SLSA3- 95-M 42	1	3	6	1.5	95	42	9	70	0.7	○
-120-M 67					120	67		95	0.8	
-125-M 42					125	42		100		
-150-M 67					150	67		125		
-M 97						97				
-155-M 42	2				155	42		130	1.2	
-180-M 67					180	67		155	1.1	
-M 97	1					97			0.9	
-210-M 97	2				210			185	1.2	
-SLRA3- 75-M 22	1	3	7.5	2.25	75	22	9	50	0.7	○
- 95-M 42					95	42		70		
-105-M 22					105	22		80	0.8	
-120-M 67					120	67		95		
-125-M 42					125	42		100		
-135-M 22	2				135	22		110	1.1	
-150-M 67	1				150	67		125	0.9	
-M 97						97			0.8	
-155-M 42	2				155	42		130	1.1	
-180-M 67					180	67		155		
-M 97	1					97			0.9	
-M127						127				
-210-M 97	2				210	97		185	1.2	
-M127	1					127		184	1.1	
-240-M127	2				240			214	1.5	
-SLFB3- 75-M 22	1	3	9.5	3.25	75	22	9	50	0.7	○
- 95-M 42					95	42		70	0.8	
-105-M 22					105	22		80	0.9	
-120-M 67					120	67		95	0.8	
-125-M 42					125	42		100		
-135-M 22	2				135	22		110	1.1	
-150-M 67	1				150	67		125	0.9	
-155-M 42	2				155	42		130	1.1	
-180-M 67					180	67		155	1.2	
-SLSA3-330 CV	3	3	6	1.5	330	304	9	—	2.2	▲
-360 CV					360	334			2.3	
-390 CV					390	364			2.5	
A63-SLSA4- 95-M 42	1	4	7	1.5	95	42	12	70	0.7	○
-120-M 67					120	67		95	0.8	
-125-M 42					125	42		100		
-150-M 67					150	67		125	0.9	
-M 97						97			0.8	
-155-M 42	2				155	42		130	1.1	
-180-M 67					180	67		155		
-M 97	1					97			0.9	
-210-M 97	2				210			185	1.2	

h	Kg	
58	0.7	▲
73		

编码表
Code table

CODE	Fig.	φD	φC	t	L	M	H	h	kg	
A63-SLRA4- 75-M 22	1	4	10	3	75	22	12	50	0.7	○
- 95-M 42					95	42		70	0.8	
-105-M 22					105	22		80		
-120-M 67					120	67		95		
-125-M 42					125	42		100		
-135-M 22	2				135	22		110	1.1	
-150-M 67	1				150	67		125	0.9	
-M 97						97		124	0.8	
-155-M 42	2				155	42		130	1.1	
-180-M 67					180	67		155	1.2	
-M 97	1					97		154	0.9	
-M127						127			1	
-210-M 97	2				210	97		184	1.2	
-M127	1					127			1.1	
-240-M127	2				240			214	1.5	
-SLFB4- 75-M 22	1	4	12	4	75	22	12	50	0.7	○
- 95-M 42					95	42		70	0.8	
-105-M 22					105	22		80		
-120-M 67					120	67		95		
-125-M 42					125	42		100	0.9	
-135-M 22	2				135	22		110	1.1	
-150-M 67	1				150	67		125	0.9	
-155-M 42	2				155	42		130	1.1	
-180-M 67					180	67		155	1.2	
-SLSA4- 90 CV	3	4	7	1.5	90	64	12	65	1	○
-120 CV					120	94		95	1.1	
-150 CV					150	124		125	1.3	
-180 CV					180	154		154	1.4	
-210 CV					210	184		185		
-240 CV					240	214		214	1.6	
-270 CV					270	244		245	2	
-300 CV					300	274		275	2.1	
-330 CV					330	304		—	2.2	▲
-360 CV					360	334			2.3	
-390 CV					390	364			2.6	
-SLRA4-120 CV	3	4	10	3	120	94	12	95	1	○
-150 CV					150	124		125	1.1	
-180 CV					180	154		155	1.4	
-210 CV					210	184		185		
A63-SLSA6- 95-M 42	1	6	9	1.5	95	42	18	70	0.7	○
-120-M 67					120	67		95	0.8	
-125-M 42					125	42		100		
-150-M 67					150	67		125	0.9	
-M 97						97		124		
-155-M 42	2				155	42		130	1.1	
-180-M 67					180	67		155		
-M 97	1					97		154	1	
-210-M 97	2				210			184	1.4	
-SLSB6- 95-M 42	1	6	10	2	95	42	18	70	0.7	○
-120-M 67					120	67		95	0.8	
-125-M 42					125	42		100		
-150-M 67					150	67		125	0.9	
-M 97						97		124		
-155-M 42	2				155	42		130	1.1	
-180-M 67					180	67		155		
-M 97	1					97		154	1	
-M127						127			0.9	
-210-M 97	2				210	97		184	1.4	
-M127	1					127			1.1	
-M157						157				
-240-M127	2				240	127		214	1.5	
-M157	1					157			1.2	
-270-M157	2				270			244	1.6	▲
-SLRB6- 75-M 22	1	6	14	4	75	22	18	49	0.8	○
- 95-M 42					95	42		69		
-105-M 22					105	22		79	0.9	
-120-M 67					120	67		94		
-125-M 42					125	42		99	1	
-135-M 22	2				135	22		109	1.3	
-150-M 67	1				150	67		124	1	
-155-M 42	2				155	42		129	1.4	
-180-M 67					180	67		154		

CODE	Fig.	φD	φC	t	L	M	H	h	kg	
A63-SLFB6- 75-M 22	1	6	14	4	75	22	18	49	0.8	○
- 95-M 42					95	42		69		
-105-M 22					105	22		79	0.9	
-120-M 67					120	67		94		
-125-M 42					125	42		99	1	
-135-M 22	2				135	22		109	1.3	
-150-M 67	1				150	67		124	1	
-155-M 42	2				155	42		129	1.4	
-180-M 67					180	67		154		
-SLSA6- 90 CV	3	6	9	1.5	90	64	18	65	1	○
-120 CV					120	94		95	1.1	
-150 CV					150	124		125	1.3	
-180 CV					180	154		154	1.4	
-210 CV					210	184		184	1.6	
-240 CV					240	214		214		
-270 CV					270	244		245	2.1	▲
-300 CV					300	274		275	2.3	
-330 CV					330	304		—	2.3	
-360 CV					360	334			2.4	
-390 CV					390	364			2.6	
-SLRA6- 90 CV	3	6	13	3.5	90	64	18	65	1	★
-120 CV					120	94		95	1.1	
-150 CV					150	124		125	1.3	○
-180 CV					180	154		155	1.4	
-210 CV					210	184		185		
-SLFA6- 90 CV	3	6	13	3.5	90	64	18	65	1	★
-120 CV					120	94		95	1.1	
-150 CV					150	124		125	1.3	○
-180 CV					180	154		155	1.4	
-210 CV					210	184		185		
A63-SLSA8- 95-M 42	1	8	11	1.5	95	42	24	70	0.7	○
-120-M 67					120	67		94	0.8	
-125-M 42					125	42		100		
-150-M 67					150	67		124	1	
-M 97						97			0.9	
-155-M 42	2				155	42		130	1.1	
-180-M 67					180	67		154	1.4	
-M 97	1					97			1	
-210-M 97	2				210			184	1.4	
-SLSB8- 95-M 42	1	8	13	2.5	95	42	24	69	0.8	○
-120-M 67					120	67		94	0.9	
-125-M 42					125	42		99	1	
-150-M 67					150	67		124		
-M 97						97			0.9	
-155-M 42	2				155	42		129	1.4	
-180-M 67					180	67		154		
-M 97	1					97			1.1	
-M127						127			1	
-210-M 97	2				210	97		184	1.5	
-M127	1					127			1.2	
-M157						157		185		
-240-M127	2				240	127		214	1.6	▲
-M157	1					157			1.5	
-270-M157	2				270			242	2	
-SLRB8- 75-M 22	1	8	18	5	75	22	24	49	0.8	×
- 95-M 42					95	42		69	0.9	○
-105-M 22					105	22		79	1	×
-120-M 67					120	67		94	0.9	○
-125-M 42					125	42		99	1	
-135-M 22	2				135	22		109	1.4	×
-150-M 67	1				150	67		124	1.1	○
-155-M 42	2				155	42		129	1.4	
-180-M 67					180	67		155	1.5	
-SLFB8- 75-M 22	1	8	18	5	75	22	24	49	0.8	×
- 95-M 42					95	42		69	0.9	○
-105-M 22					105	22		79	1	×
-120-M 67					120	67		94	0.9	○
-125-M 42					125	42		99	1	
-135-M 22	2				135	22		109	1.4	×
-150-M 67	1				150	67		124	1.1	○
-155-M 42	2				155	42		129	1.4	
-180-M 67					180	67		154	1.5	

CODE	Fig.	φD	φC	t	L	M	H	h	Kg	
A63-SLSA 8- 90 CV	3	8	11	1.5	90	64	24	65	1	○
-120 CV					120	94		94	1.1	
-150 CV					150	124		124	1.3	
-180 CV					180	154		155	1.4	
-210 CV					210	184		184	1.6	▲
-240 CV					240	214		214	1.8	
-270 CV					270	244		244	2.2	
-300 CV					300	274		274	2.4	
-SLRA 8- 90 CV	3	8	16	4	90	64	24	65	1	○
-120 CV					120	94		95	1.2	
-150 CV					150	124		125	1.4	
-180 CV					180	154		155	1.5	
-210 CV					210	184		185	1.6	
-SLFA 8- 90 CV	3	8	16	4	90	64	24	65	1	○
 -120 CV					120	94		95	1.2	
-150 CV					150	124		125	1.4	
-180 CV					180	154		155	1.5	
-210 CV					210	184		185	1.6	
A63-SLSA10- 95-M 42	1	10	13	1.5	95	42	30	70	0.8	○
-120-M 67					120	67		94		
-125-M 42					125	42		100		
-150-M 67					150	67		124	1	
-M 97						97			0.9	
-155-M 42	2				155	42		130	1.1	
-180-M 67					180	67		154	1.4	
-M 97	1					97			1.1	
-210-M 97	2				210			184	1.5	
-SLSB10- 95-M 42	1	10	16	3	95	42	30	69	0.8	○
-120-M 67					120	67		94	0.9	
-125-M 42					125	42		99	1	
-150-M 67					150	67		124		
-M 97						97				
-155-M 42	2				155	42		129	1.4	
-180-M 67					180	67		154		
-M 97	1					97			1.1	
-M127						127		155	1.2	
-210-M 97	2				210	97		184	1.5	
-M127	1					127		182	1.4	
-M157						157		185	1.3	
-240-M127	2				240	127		212	1.9	▲
-M157	1					157		215	1.8	
-270-M157	2				270			242	2.1	
-SLRB10- 75-M 22	1	10	22	6	75	22	30	49	0.8	×
- 95-M 42					95	42		68	0.9	○
-105-M 22					105	22		79	1	×
-120-M 67					120	67		94	1.1	○
-125-M 42					125	42		99		
-135-M 22	2				135	22		109	1.4	×
-150-M 67	1				150	67		124	1.3	○
-155-M 42	2				155	42		129	1.5	
-180-M 67					180	67		154	1.8	
-SLFB10- 75-M 22	1	10	22	6	75	22	30	49	0.8	×
- 95-M 42					95	42		69	0.9	○
-105-M 22					105	22		79	1	×
-120-M 67					120	67		94	1.1	○
-125-M 42					125	42		99		
-135-M 22	2				135	22		109	1.4	×
-150-M 67	1				150	67		124	1.3	○
-155-M 42	2				155	42		129	1.5	
-180-M 67					180	67		154	1.8	
-SLSA10- 90 CV	3	10	13	1.5	90	64	30	65	1	○
-120 CV					120	94		95	1.3	
-150 CV					150	124		125	1.4	
-180 CV					180	154		154	1.6	
-210 CV					210	184		184		
-240 CV					240	214		212	2.1	▲
-270 CV					270	244		244		
-300 CV					300	274		274	2.3	

CODE	Fig.	φD	φC	t	L	M	H	h	Kg	
A63-SLRA10- 90 CV	3	10	19	4.5	90	64	30	65	1	×
-120 CV					120	94		95	1.2	○
-150 CV					150	124		125	1.3	
-180 CV					180	154		155	1.5	
-210 CV					210	184		185	1.6	
-SLFA10- 90 CV	3	10	19	4.5	90	64	30	65	1	×
 -120 CV					120	94		95	1.2	○
-150 CV					150	124		125	1.3	
-180 CV					180	154		155	1.5	
-210 CV					210	184		185	1.6	
A63-SLSA12- 95-M 42	1	12	15	1.5	95	42	30	69	0.8	○
-120-M 67					120	67		94		
-125-M 42					125	42		99	1	
-150-M 67					150	67		124		
-M 97						97			0.9	
-155-M 42	2				155	42		129	1.4	
-180-M 67					180	67		154		
-M 97	1					97			1.1	
-210-M 97	2				210			184	1.5	▲
-SLSB12- 95-M 42	1	12	19	3.5	95	42	30	69	0.8	○
-120-M 67					120	67		94	0.9	
-125-M 42					125	42		99	1	
-150-M 67					150	67		124	1.1	
-M 97						97		125		
-155-M 42	2				155	42		129	1.4	
-180-M 67					180	67		154	1.5	
-M 97	1					97		152	1.4	
-M127						127		155	1.3	
-210-M 97	2				210	97		182	1.9	▲
-M127	1					127		180	1.7	
-M157						157		185	1.4	
-240-M127	2				240	127		212	2	
-M157	1					157		212	1.7	
-270-M157	2				270			242	2.2	
-SLSA12- 90 CV	3	12	15	1.5	90	64	30	64	1.1	○
-120 CV					120	94		94	1.3	
-150 CV					150	124		124	1.4	
-180 CV					180	154		154	1.6	
-210 CV					210	184		184	1.8	
-240 CV					240	214		212	2.1	▲
-270 CV					270	244		244	2.3	
-SLRA12- 90 CV	3	12	22	5	90	64	30	64	1	×
-120 CV					120	94		94	1.3	
-150 CV					150	124		124	1.5	○
-180 CV					180	154		154		
-210 CV					210	184		184	1.6	
-SLFA12- 90 CV	3	12	22	5	90	64	30	64	1	×
 -120 CV					120	94		94	1.3	○
-150 CV					150	124		124	1.5	
-180 CV					180	154		154		
-210 CV					210	184		184	1.6	
A63-SLSB16- 95-M 42	1	16	24	4	95	42	32	70	1	
-120-M 67					120	67		95	1.1	
-125-M 42					125	42		97	1.2	
-150-M 67					150	67		122	1.3	
-M 97						97		125	1.2	
-155-M 42					155	42		130	1.7	
-180-M 67	2				180	67		152	1.8	
-M 97	1					97			1.4	
-M127						127		155	1.5	
-210-M 97	2				210	97		182	2	
-M127	1					127		181	1.9	
-M157						157		185	1.7	
-240-M127					240	127		211	2.3	
-M157						157		215	2.1	
-270-M157					270			241	2.5	

CODE	Fig.	φD	φC	t	L	M	H	h	KG
A63-SLRB16- 75-M 22	1	16	32	8	75	22	32	50	1
- 95-M 42					95	42		70	1.1
-105-M 22					105	22		77	1.2
-120-M 67					120	67		95	1.3
-125-M 42					125	42		97	
-135-M 22	2				135	22		107	1.7
-150-M 67	1				150	67		122	1.5
-155-M 42	2				155	42		127	1.9
-180-M 67					180	67		152	2
-SLFB16- 75-M 22	1	16	32	8	75	22	32	50	1
- 95-M 42					95	42		70	1.1
-105-M 22					105	22		77	1.2
-120-M 67					120	67		95	1.3
-125-M 42					125	42		97	
-135-M 22	2				135	22		107	1.7
-150-M 67	1				150	67		122	1.5
-155-M 42	2				155	42		127	1.9
-180-M 67					180	67		152	2
-SLSB16- 90 CV	3	16	21	2.5	90	64	32	62	1.1
-120 CV					120	94		92	1.5
-150 CV					150	124		122	1.6
-180 CV					180	154		152	1.9
-210 CV					210	184		182	2.1
-240 CV					240	214		212	2.4
-270 CV					270	244		242	2.7
A63-SLSB20- 95-M 42	1	20	29	4.5	95	42	40	70	1
-120-M 67					120	67		95	1.1
-125-M 42					125	42		97	1.2
-150-M 67					150	67		122	1.4
-M 97						97		125	
-155-M 42					155	42		130	1.8
-180-M 67	2				180	67		152	1.9
-M 97	1					97		151	1.8
-M127						127		155	1.6
-210-M 97					210	97		181	2.2
-M127						127		2	
-M157						157		185	1.9
-240-M127					240	127		211	2.3
-M157						157		24	
-270-M157					270			241	2.7
-SLRB20- 95-M 42	1	20	38	9	95	42	40	70	1.3
-120-M 67					120	67		95	1.5
-125-M 42					125	42		96	1.7
-150-M 67					150	67		121	1.9
-155-M 42					155	42		126	2.1
-180-M 67					180	67		151	2.3
-SLSB20- 90 CV	3	20	26	3	90	64	40	62	1.2
-120 CV					120	94		92	1.5
-150 CV					150	124		122	1.7
-180 CV					180	154		152	2
-210 CV					210	184		182	2.4
-240 CV					240	214		212	2.7
-270 CV					270	244		242	3.1
A63-SLRB25- 95-M 42	1	25	45	10	95	42	45	70	1.4
-125-M 42					125			96	1.8
-155-M 42					155			126	2.2
-SLFB25- 95-M 42	1	25	45	10	95	42	45	70	1.4
-125-M 42					125			96	1.8
-155-M 42					155			126	2.2
A63-SLRB32-110-M 42	1	32	54	11	110	42	50	84	1.8

F63

一体型 3°



F63-SLRA4-75-M22

一体型 CURVE

CV



F63-SLRA6-120cv

Fig. 1

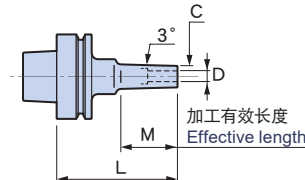
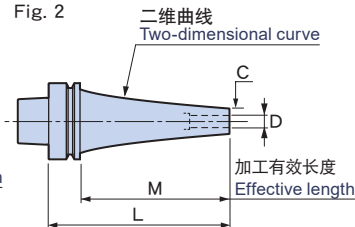
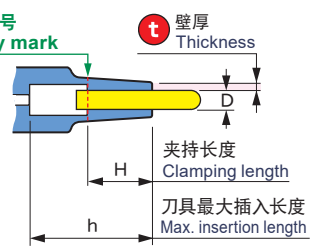


Fig. 2



安全记号
Safety mark



■ 注意事项

- 无附带冷却液导管。需要使用的客户，请与敝司联系。
- 刀具安装…插入刀具时，请务必将刀具插入比安全记号更深的位置。

■ Caution

- The coolant duct is not installed in a holder. Consult us if you need it.
- Setting cutters...Be sure to insert the tool beyond the safety mark.

HEATROBO电磁1200S (HRD-01S-230AS) 电磁式加热器对应表
Compatibility table for HEATROBO DENJI 1200S(HRD-01S-230AS)



- | | |
|---------------------------|--|
| [○] 可加热
Available | [▲] 垫高加热器后可进行加热
Usable by raising the heating unit. |
| [×] 不可加热
Not available | [★] 请使用2号加热线圈
Use heating coil No. 2 |

CODE	Fig.	φD	φC	t	L	M	H	h	KG
F63-SLSA3- 95-M42	1	3	6	1.5	95	42	9	78	0.7
-SLRA3- 75-M22	1	3	7.5	2.25	75	22	9	54	0.7
- 95-M42					95	42		78	
-SLFB3- 75-M22	1	3	9.5	3.25	75	22	9	58	0.7
- 95-M42					95	42		78	0.8
-120-M67					120	67		103	
F63-SLSA4- 95-M42	1	4	7	1.5	95	42	12	78	0.7
-SLRA4- 75-M22	1	4	10	3	75	22	12	58	0.7
- 95-M42					95	42		78	0.8
-SLFB4- 75-M22	1	4	12	4	75	22	12	58	0.7
- 95-M42					95	42		78	0.8
-120-M67					120	67		103	
-SLSA4- 90 CV	2	4	7	1.5	90	64	12	65	0.9
-120 CV					120	94		95	1
-150 CV					150	124		125	1.2
-180 CV					180	154		154	1.3
-210 CV					210	184		185	
-240 CV					240	214		214	1.6
-270 CV					270	244		245	1.9
-300 CV					300	274		275	2

CODE	Fig.	φD	φC	t	L	M	H	h	kg	
F63-SLRA 4-120 CV	2	4	10	3	120	94	12	95	1	○
-150 CV					150	124		125	1.1	
-180 CV					180	154		155	1.4	
-210 CV					210	184		185	1.5	
F63-SLSA 6- 95-M42	1	6	9	1.5	95	42	18	78	0.7	○
-SLSB 6- 95-M42	1	6	10	2	95	42	18	78	0.7	○
-SLRA 6- 75-M22	1	6	12	3	75	22	18	58	0.7	○
- 95-M42					95	42		78	0.8	
-SLFB 6- 75-M22	1	6	14	4	75	22	18	58	0.8	○
-SLSA 6- 90 CV	2	6	9	1.5	90	64	18	65	0.9	○
-120 CV					120	94		95	1	
-150 CV					150	124		125	1.2	
-180 CV					180	154		154	1.3	
-210 CV					210	184		184	1.5	
-240 CV					240	214		214	1.6	
-270 CV					270	244		245	2	▲
-300 CV					300	274		275	2.2	
-SLRA 6- 90 CV	2	6	13	3.5	90	64	18	65	1	★
-120 CV					120	94		95	1.2	
-150 CV					150	124		125	1.3	○
-180 CV					180	154		155	1.4	
-210 CV					210	184		185	1.5	
-SLFA 6- 90 CV	2	6	13	3.5	90	64	18	65	1	★
-120 CV					120	94		95	1.2	
-150 CV					150	124		125	1.3	○
-180 CV					180	154		155	1.4	
-210 CV					210	184		185	1.5	
F63-SLSA 8- 95-M42	1	8	11	1.5	95	42	24	78	0.7	○
-SLSB 8- 95-M42	1	8	13	2.5	95	42	24	78	0.8	○
-SLRA 8- 75-M22	1	8	14	3	75	22	24	58	0.7	○
- 95-M42					95	42		78	0.8	
-SLFB 8- 75-M22	1	8	18	5	75	22	24	58	0.8	×
-SLSA 8- 90 CV	2	8	11	1.5	90	64	24	65	0.9	○
-120 CV					120	94		94	1.1	
-150 CV					150	124		124	1.3	
-180 CV					180	154		155		
-210 CV					210	184		184	1.5	▲
-240 CV					240	214		214	1.8	
-270 CV					270	244		244	2.1	
-300 CV					300	274		274	2.3	
-SLRA 8- 90 CV	2	8	16	4	90	64	24	65	1	○
-120 CV					120	94		95	1.2	
-150 CV					150	124		125	1.4	
-180 CV					180	154		155	1.6	
-210 CV					210	184		185		
-SLFA 8- 90 CV	2	8	16	4	90	64	24	65	1	○
-120 CV					120	94		95	1.2	
-150 CV					150	124		125	1.4	
-180 CV					180	154		155	1.6	
-210 CV					210	184		185		
F63-SLSA10- 95-M42	1	10	13	1.5	95	42	30	74	0.8	○
-SLSB10- 95-M42	1	10	16	3	95	42	30	74	0.8	○
-SLRA10- 75-M22	1	10	16	3	75	22	30	54	0.8	○
-SLFB10- 75-M22	1	10	22	6	75	22	30	54	0.8	×
-SLSA10- 90 CV	2	10	13	1.5	90	64	30	65	0.9	○
-120 CV					120	94		95	1.2	
-150 CV					150	124		125	1.3	
-180 CV					180	154		154	1.5	
-210 CV					210	184		184	1.6	
-240 CV					240	214		212	2	▲
-270 CV					270	244		244	2.1	
-300 CV					300	274		274	2.3	

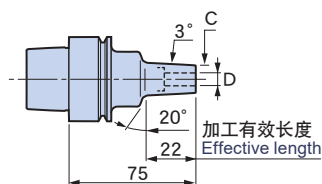
CODE	Fig.	φD	φC	t	L	M	H	h	kg	
F63-SLRA10- 90 CV	2	10	19	4.5	90	64	30	65	1	×
-120 CV					120	94		95	1.2	○
-150 CV					150	124		125	1.4	
-180 CV					180	154		155	1.6	
-210 CV					210	184		185		
-SLFA10- 90 CV	2	10	19	4.5	90	64	30	65	1	×
-120 CV					120	94		95	1.2	○
-150 CV					150	124		125	1.4	
-180 CV					180	154		155	1.6	
-210 CV					210	184		185		
F63-SLSA12- 95-M42	1	12	15	1.5	95	42	30	74	0.8	○
-SLSB12- 95-M42	1	12	19	3.5	95	42	30	74	0.8	○
-SLRA12- 75-M22	1	12	20	4	75	22	30	54	0.9	○
-SLFB12- 75-M22	1	12	26	7	75	22	30	54	0.9	×
-SLSA12- 90 CV	2	12	15	1.5	90	64	30	64	1	○
-120 CV					120	94		94	1.2	
-150 CV					150	124		124	1.3	
-180 CV					180	154		154	1.5	
-210 CV					210	184		184	1.7	
-240 CV					240	214		212	2	▲
-270 CV					270	244		244	2.2	
-SLRA12- 90 CV	2	12	22	5	90	64	30	64	1	×
-120 CV					120	94		94	1.3	
-150 CV					150	124		124	1.5	○
-180 CV					180	154		154	1.6	
-210 CV					210	184		184	1.7	
-SLFA12- 90 CV	2	12	22	5	90	64	30	64	1	×
-120 CV					120	94		94	1.3	
-150 CV					150	124		124	1.5	○
-180 CV					180	154		154	1.6	
-210 CV					210	184		184	1.7	
F63-SLFB16- 75-M22	1	16	32	8	75	22	32	54	1	
-SLSB16- 90 CV	2	16	21	2.5	90	64	32	62	1.1	
-120 CV					120	94		92	1.4	
-150 CV					150	124		122	1.5	
-180 CV					180	154		152	1.9	
-210 CV					210	184		182	2	
-240 CV					240	214		212	2.3	
-270 CV					270	244		242	2.7	
F63-SLFB20- 75-M22*	1	20	38	9	75	22	40	53	1.1	
-SLSB20- 90 CV	2	20	26	3	90	64	40	62	1.1	
-120 CV					120	94		92	1.4	
-150 CV					150	124		122	1.6	
-180 CV					180	154		152	2	
-210 CV					210	184		182	2.3	
-240 CV					240	214		212	2.6	
-270 CV					270	244		242	3.1	
F63-SLFB25- 75-M22	1	25	45	10	75	22	45	53	1.1	



※使用电磁5000S加热器对SLFB20加热时，
所使用加热线圈号码不同。
请使用加热线圈No.4进行加热。
※When shrinking the SLFB20 with
HEAT ROBO DENJI 5000(HRD-02SH),
the standard heating coil cannot be used.
Please use the heating coil No.4.

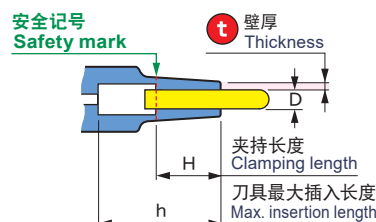


F63-SLRA4-75-M22 U



CODE	φD	φC	t	H	h	Kg
F63-SLRA3-75-M22 U	3	7.5	2.25	9	54	0.7
-SLRA4-75-M22 U	4	10	3	12	58	

- 选用品: 3S气球 (BLG)
- 注意事项: 刀具安装...插入刀具时, 请务必将刀具插入比安全记号更深的位置。
- Option: 3S Balloon (BLB)
- Caution: Setting cutters...Be sure to insert the tool beyond the safety mark.



3S 气球

3S Balloon

可清扫热装刀柄内孔, 日常防止垃圾进入内孔。
Prevents dirt from getting into the Heat shrink internal bore.

CODE	φd
BLG3	3
4	4
6	6



强力型 热装刀柄

HYPER VERSION

超短型 / 重切削型

Short type / Heavy-duty type



A63-SLRB12S-45



A63-SLRB25H-95-M42

Fig. 1

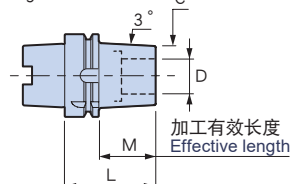
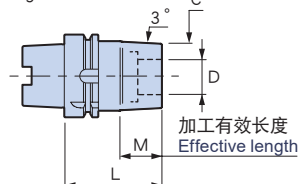
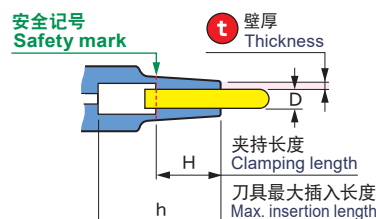


Fig. 2



HEAT ROBO电磁 5000S HRD-02SH 加热线圈号码
An appropriate heating coil for HRD-02SH

CODE	Fig.	φD	φC	t	L	M	H	h	Kg
A63-SLRB12S-60-M29	1	12	32	10	60	29	27	35	0.8
-SLFB12S-60-M29									
-SLRB16S-65-M34		16	38	11	65	34	30	40	1
-SLFB16S-65-M34									
-SLRB20S-70-M42		20	45	12.5	70	42	36	45	1.1
-SLFB20S-70-M42									
-SLRB25S-75-M30	2	25	49	12	75	30	42	50	1.3
-SLFB25S-75-M30									
A63-SLRB12H-80-M32	2	12	36	12	80	32	35	55	1.1
-SLFB12H-80-M32									
-SLRB16H-80-M32		16	42	13			37		1.2
-SLFB16H-80-M32									
-SLRB20H-90-M42		20	50	15	90	42	47	65	1.5
-SLFB20H-90-M42									
-SLRB25H-95-M42		25	51	13	95		50	70	
-SLFB25H-95-M42									



- 标准附属品: 冷却液导管 (固定式)
- 备考: 可对应可动式冷却液导管
- 注意事项: 刀具安装...插入刀具时, 请务必将刀具插入比安全记号更深的位置。
热装装置请使用HRB-03P(温风式)或HRD-02SH(电磁式)
使用温风式加热器(HRB-03P)加热, 请取下冷却液导管(HSK-A63)

- Std. Access.: Coolant duct (fixed type)

- Note: Swing type coolant ducts are available upon request.

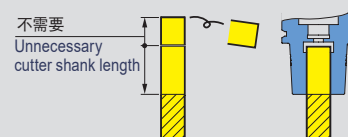
- Caution: Setting cutters...Be sure to insert the tool beyond the Safety mark.
As for MST SLIMLINE, please use HEAT ROBO DENJI 5000S (HRD-02SH) or HEAT ROBO Baby3000P (HRB-03P).
Remove the coolant duct before heating the holder when you use the hot air heater.

关于刀具插入长

超短型刀柄进行了最短设计, 因此刀具的最大插入长(h)较短。
切断多余柄部, 在最适宜刀具突出长度下使用。

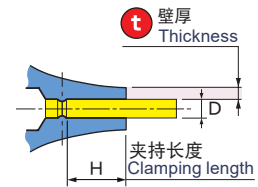
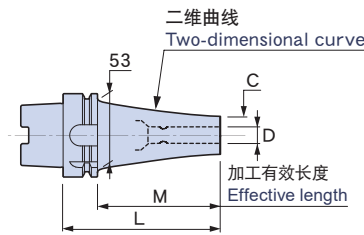
Cutting tool insertion length

Since the Short type has the shortest gauge length, the cutter insertion length (h) is not deep. Cut off the unnecessary portion of the tool shank and use a cutting tool with the optimal projection.



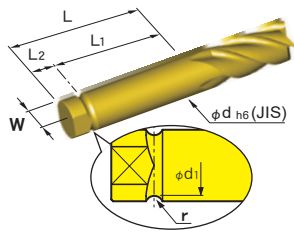


A63-SLRB16Z-120



Z柄刀具 尺寸表 Z shank tool dimensions table

Z系列热装刀柄规格为开放的通用规格, 无论谁都可生产制作。
Z Shank is easy to fabricate — the open standards make it possible for anyone to fabricate block shanks.



φd (h6)	W	φd1	L		L1	L2		r
	-0.1 -0.2	-0.1 -0.2	min.	Max.		min.	Max.	
8	6.5	6.5	36	45	29	7	16	2
10	8.5	8.5	42	51	35			
12	10	10						
16	14	14	45	54	38			
20	17	17	53	62	46			
25	22	22	60	69	53			2.5

制作对应厂商 They can provide a tool for SLIMLINE Z



※Z系列用刀具柄部的追加加工MST也可代加工, 详情垂询敝司
※For additional processing of Z Shanks, please contact us.

■选购品

- 需要使用Z柄刀具, 请看左文。

■标准附属品

- 冷却液导管 (固定式)

■注意事项

- 热装装置请使用HRB-03P(温风式)或HRD-02SH(电磁式)
- 使用温风式加热器(HRB)加热, 请取下冷却液导管。
- 电磁5000S(HRD-02SH)加热所需使用加热线圈, 请参考[HRD-02SH 加热线圈号码]列表。
- 可对应可动式冷却液导管。

■Option

- The Z-shank (dedicated) tool is needed. Please see left.

■Std. Access.

- Coolant duct(fixed type)

■Caution

- As for MST SLIMLINE, please use HEAT ROBO DENJI 5000S (HRD-02SH) or HEAT ROBO Baby 3000P (HRB-03P).
- Remove the coolant duct before heating the holder when you use the hot air heater.

■Note

- Refer to the table to choose an appropriate heating coil for HEAT ROBO DENJI 5000 (HRD-02SH).
- Swing type coolant ducts are available upon request(HSK-A).



CODE	φD	φC	t	L	M	H	Kg	
A63-SLRA 8Z- 90	8	16	4	90	64	24	1	2
-120				120	94		1.2	
-150				150	124		1.4	
-SLRB 8Z- 90	8	18	5	90	52	24	1.1	
-120				120			1.4	
-150				150			1.8	
-180				180			2.2	
-SLFB 8Z- 90	8	18	5	90	52	24	1.1	
-120				120			1.4	
-150				150			1.8	
-180				180			2.2	
A63-SLRA10Z- 90	10	19	4.5	90	64	30	1	
-120				120	94		1.2	
-150				150	124		1.3	
-SLRB10Z- 90	10	22	6	90	52	30	1.1	3
-120				120			1.5	
-150				150			1.6	
-180				180			2.3	
-SLFB10Z- 90	10	22	6	90	52	30	1.1	
-120				120			1.5	
-150				150			1.6	
-180				180			2.3	



CODE	φD	φC	t	L	M	H	Kg	
A63-SLRA12Z- 90	12	22	5	90	64	30	1	2
-120				120	94		1.3	
-150				150	124		1.5	
-SLRB12Z- 90	12	26	7	90	52	30	1.1	3
-120				120			1.5	
-150				150			1.6	
-180				180			2.3	
-SLFB12Z- 90	12	26	7	90	52	30	1.1	
-120				120			1.5	
-150				150			1.6	
-180				180			2.3	
A63-SLRA16Z- 90	16	27	5.5	90	52	32	1.1	
-120				120	94		1.3	
-SLRB16Z- 90	16	32	8	90	52	32	1.2	
-120				120			1.6	
-150				150			2	
-SLFB16Z- 90	16	32	8	90	52	32	1.2	
-120				120			1.6	
-150				150			2	
A63-SLRB20Z- 90	20	38	9	90	42	40	1.3	4
-120				120			1.4	
-150				150			2.1	
-SLFB20Z- 90	20	38	9	90	42	40	1.3	
-120				120			1.4	
-150				150			2.1	
A63-SLRB25Z- 95	25	45	10	95	42	45	1.4	
-125				125			1.8	
-SLFB25Z- 95	25	45	10	95	42	45	1.4	
-125				125			1.8	

电磁感应式加热器

Induction Heater

电磁5000S
Denji 5000S

- 加热 18秒 (φ6)
Heating 18sec.
- 气体冷却 1分
Air cooling 1 min
- φ3 ~ 32



CODE	SIZE (W×D×H)	Voltage (三相) (3 phases)	Kg
HRD-02SH	340×470×750mm	200-240v	30

加热线圈

Heating coil

	CODE	刀具直径 Cutter dia.
线圈 Coil 1	HRD2-CL1	φ 3 ~ 6
线圈 Coil 2	-CL2	φ 7 ~ 12
线圈 Coil 3	-CL3	φ16 , 20
线圈 Coil 4	-CL4	φ25
线圈 Coil 5	-CL5	※
线圈 Coil 7	-CL7	φ32

- 标准附属品
■ 备考※
- Std. Access.
- Note※
- 加热圈保护套
· 对应刀柄为φ8, 10, 12, 16的有效长为M22的SLRB / SLFB型
- Protection sheet for heating coil
· Coil 5(※) is for dia. 8, 10, 12, 16 internal bore with M22 effective length holders, and for all of SLRB and SLFB type.

电磁2500
Denji 2500

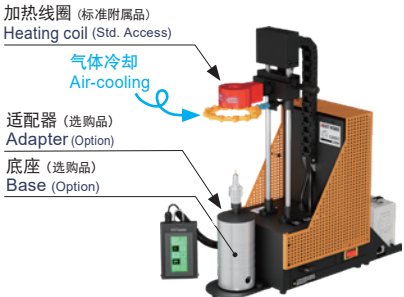
- 加热 25秒 (φ6)
Heating 25sec.
- 气体冷却 1分
Air cooling 1 min
- φ3 ~ 16



CODE	SIZE (W×D×H)	Voltage (单相) (Single phase)	Kg
HRD-03LSE	340×470×750mm	200-240v	30

电磁1200S
Denji 1200S

- 加热 18秒 (φ6)
Heating 18sec.
- 气体冷却 1分
Air cooling 1 min
- φ3 ~ 12



CODE	SIZE (W×D×H)	Voltage	Kg
HRD-01S-230AS	230×540×550mm	230v	19

选购品

适配器

Adapter

CODE	刀柄类型 Holder type
ADH-40	一体型系列 MONO series
-SLK	2体型 SLIMLINE筒夹 2PIECE modular SLIMLINE collet



ADH-40



ADH-SLK

底座

Base

CODE
BAA-01

Size: φ88 × 165mm



刀具防脱套

Cutter stopper

HSA (弹簧圈型)

HSA (Coil spring type)

CODE	φD	数量 Q'ty
HSA-D	3, 3.175, 4, 5, 6, 7, 8, 9, 10, 11, 12, 16, 20, 25, 32	每种尺寸各1, 共10个/套 Contains 10 pcs. in each size
-E	3, 4, 6, 8, 10, 12	各1个 共计6个 6 pcs. in total with each one
-F	3, 4, 5, 6, 7, 8, 9, 10, 11, 12	各1个 共计10个 10 pcs. in total with each one
-EF	3, 4, 5, 6, 8, 10, 12, 16, 20, 25	铣刀柄径尺寸 各1个 共计10个 10 pcs. in total with each one (in end-mill size increments)

HSB (弹簧片型)

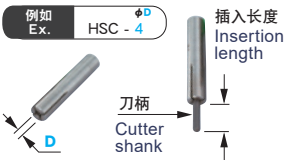
HSB (Plate spring type)

CODE	φD	数量 Q'ty
HSB-D	3, 3.175, 4, 5, 6, 7, 8, 9, 10, 11, 12, 16, 20	1个 1 pc.
-E	3, 4, 6, 8, 10, 12	各1个 共计6个 6 pcs. in total with each one
-F	3, 4, 5, 6, 7, 8, 9, 10, 11, 12	各1个 共计10个 10 pcs. in total with each one
-EF	3, 4, 5, 6, 8, 10, 12, 16, 20, 25	铣刀柄径尺寸 各1个 共计10个 10 pcs. in total with each one (in end-mill size increments)

HSC (槽孔筒夹型)

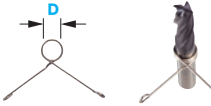
HSC (Slit collet type)

CODE	φD
HSC-D	3, 3.175, 4, 6

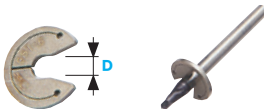


例如 Ex. HSA - 3

- 备考 : HEAT ROBO Baby 热风式
加热器用
- Note: For HEAT ROBO Baby



例如 Ex. HSB - 6



温风式加热器

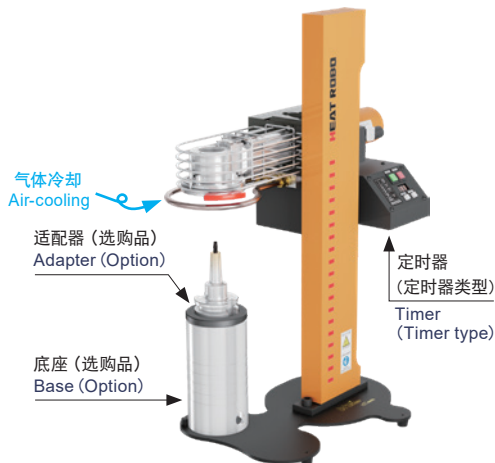
Hot Air Heater

Baby 3000P

加热 95秒 (φ6)
Heating 95sec.

气体冷却 1分
Air cooling 1 min

φ3 ~ 32



CODE	SIZE (W×D×H)	Voltage (单相) (Single phase)	Kg
HRB-03PC AE	470×280×610mm	230v	9.8
PTC AE			11.4

PC: 标准型 Standard type

PTC: 定时器类型 Timer type

更换喷嘴

Replacement nozzles



HRB-NZ70



HRB-NZ27

CODE	备注 Note
HRB-NZ70	一体型φ32直径用 强力型用 (不包括 BT30) MONO 3°dia.32 Hyper version(Except BT30)
HRB-NZ27	缩短小径φ3~10的加热时间。 ※ 无法对应 SLRB10 / SLFB10-M22的刀柄型号 Reduces heating time for cutter diameters φ3-10. * Not available for SLRB10/SLFB10 holders with M-dimension of 22 mm.

热装装置可出厂预装更换喷嘴

Can be sold with Replacement nozzles pre-installed on the shrink fitting heater.

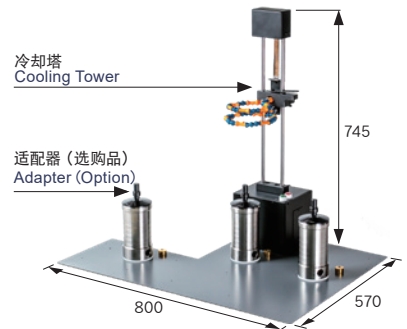
冷却操作台

Shrink-fit Holder Chiller

A型

A type

CODE	冷却塔 Cooling Tower	Kg
CWBA01	1个 1 pc.	18
02	2个 2 pcs.	25



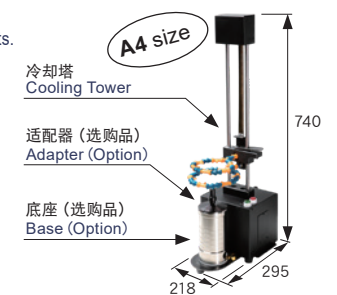
B型

B type

小巧型可安放于狭窄空间

Compact type that can be installed in tight spots.

CODE	Kg
CWBB01	7.3

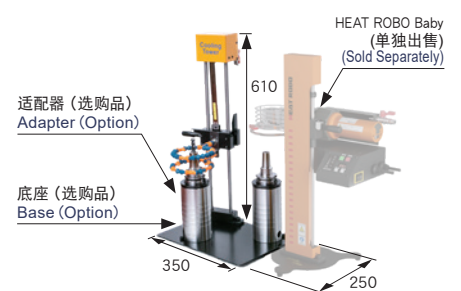


C型

C type

对于 HEAT ROBO Baby3000
For HEAT ROBO Baby 3000

CODE	Kg
CWBC01	7.2



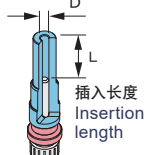
OPTIONS

刀具调整器

Cutter adjuster

能设置刀具的突出长度

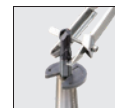
Allows you to set the overhang of a cutting tool or align the lengths of several cutting tools.



CODE	φD	L
HAJ- 3	3	10 ~ 30
- 3,175	3.175	
- 4	4	13 ~ 30
- 6	6	19 ~ 45
- 8	8	21 ~ 55
-10	10	22 ~ 70
-12	12	23 ~ 85
-16	16	26 ~ 90
-20	20	37 ~ 100
-25	25	40 ~ 100

刀具夹钳

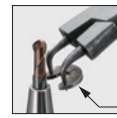
Cutter pliers



CODE
HPY-01

防脱套夹钳

Stopper pliers



CODE
SPY-01

HSB type

刀具冷却台

Cutter tray



CODE
SDH-01

Size:
170×170mm

清洁用具

Cleaning tool

橡胶磨石型

Rubber grinding stone type



橡胶磨石
Rubber grinding stone

握柄
Grip

握柄

Grip

CODE
CLT-GTA-GP

橡胶磨石

Rubber grinding stone

CODE	φd	数量 Q'ty
CLT-GTA 3-5	3	5
-GTA 4-5	4	5
-GTA 6-5	6	5
-GTA 8-5	8	5
-GTA10-5	10	5

标准组套

Standard set

CODE	数量 Q'ty
CLT-GTA-01	右边的配件各 1 个 1 ea. for right model

清洁刷

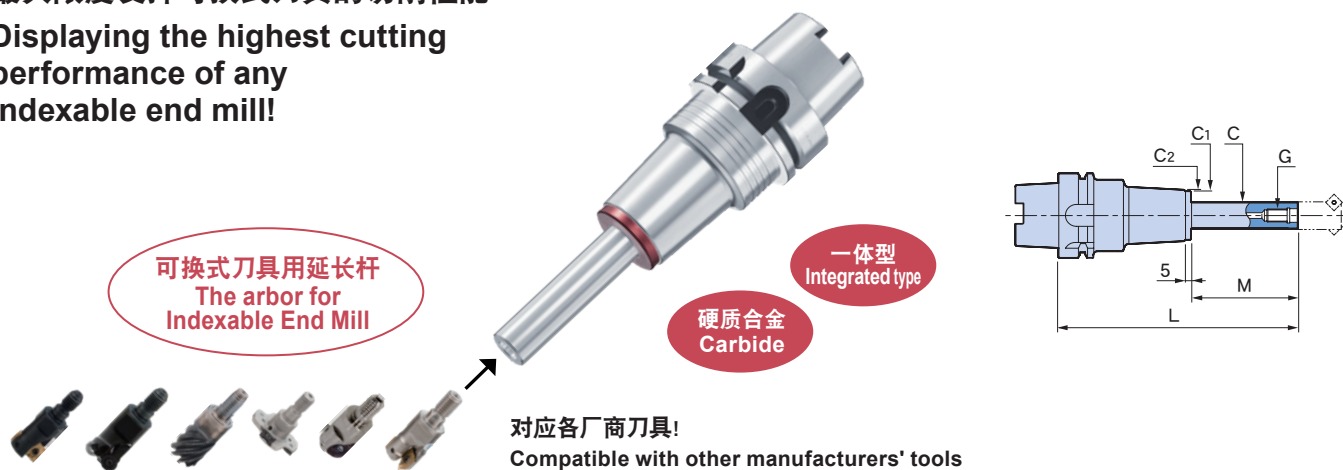
Brush type



CODE	φd	数量 Q'ty
AQC-BR-SET	3, 4, 6, 8, 10, 12	各1个 Each 1 set
-BR 3-5	3	5
-BR 4-5	4	5
-BR 6-5	6	5
-BR 8-5	8	5
-BR10-5	10	5
-BR12-5	12	5

最大限度发挥可换式刀具的切削性能

Displaying the highest cutting performance of any indexable end mill!



CODE	G	φC	L	M	φC1	φC2	Kg
A63-RSG 8-105-M 25	M8	15	105	25	30	32	1.3
-135-M 25			135				1.4
-165-M 25			165				1.9
-130-M 50			130	50			1.3
-160-M 50			160				1.4
-190-M 50			190				1.9
-155-M 75			155	75			1.4
-185-M 75			185				1.5
-215-M 75			215				2.0
-170-M 90			170	90			1.4
-200-M 90			200				1.5
-230-M 90			230				2.0
-185-M105			185	105			1.5
-215-M105			215				1.6
-245-M105			245				2.1
A63-RSG10-125-M 25	M10	19	125	25	36	38	1.6
-155-M 25			155				1.9
-185-M 25			185				2.3
-150-M 50			150	50			1.7
-180-M 50			180				2.0
-210-M 50			210				2.4
-175-M 75			175	75			1.8
-205-M 75			205				2.1
-235-M 75			235				2.5
-200-M100			200	100			1.8
-230-M100			230				2.1
-260-M100			260				2.5
-220-M120			220	120			1.9
-250-M120			250				2.2
-280-M120			280				2.6
-240-M140			240	140			2.0
-270-M140			270				2.3
-300-M140			300				2.7

CODE	G	φC	L	M	φC1	φC2	Kg
A63-RSG12-125-M 25	M12	24	125	25	43	45	1.9
-155-M 25			155				2.3
-185-M 25			185				2.7
-150-M 50			150	50			2.0
-180-M 50			180				2.4
-210-M 50			210				2.8
-175-M 75			175	75			2.2
-205-M 75			205				2.6
-235-M 75			235				3.0
-200-M100			200	100			2.3
-230-M100			230				2.7
-225-M125			225	125			2.5
-250-M150			250	150			2.6
-280-M150			280				3.7
-310-M150			310				3.9
A63-RSG16-140-M 25	M16	29	140	25	52	54	2.6
-165-M 50			165	50			2.8
-190-M 75			190	75			3.0
-215-M100			215	100			3.2
-240-M125※			240	125			3.4
-265-M150※			265	150			3.7
-290-M175※			290	175			3.9

■ 标准附属品

■ 注意事项

■ Std. Access.

■ Caution

- 冷却液导管
- 可交换式刀具为另购品。请向各刀具厂商垂询购买。
- 带※的产品,使用时请将加工条件降低到刀具所推荐参数的一半。
- 相比机床与锥柄的结合力,随着切削阻力变大,在刀柄锥度部会发生微颤现象或者发生刀柄脱落。
- Coolant duct
- The indexable end mill is not a standard accessory. Please purchase it on the market.
- Because cutting resistance is greater than the tool holder connection force associated with the machine spindle, please reduce the recommended cutting conditions by 50% for the RED screw arbors marked with ※.
- Otherwise, the tool holder shank may experience fretting corrosion or fall out of the machine spindle.

DETa-1 超弹性筒夹刀柄

DETa-1 COLLET HOLDER



Fig. 1

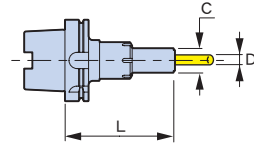


Fig. 2

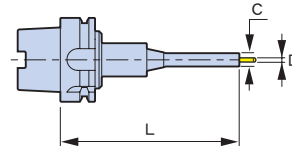
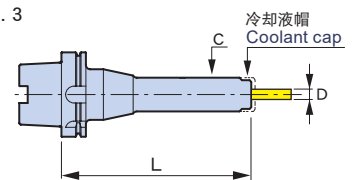


Fig. 3



CODE	Fig.	φD	L	φC	Kg	
A63 -DTA 3- 90	1	0.5 ~ 3.175	90	10	0.8	D 3
-DTA 7-105		1 ~ 7	105	21	1.1	D 7
-DTA12-120		2.5 ~ 13	120	30	1.2	D12
-DTB 3- 75	2	0.5 ~ 3.175	75	10	0.8	D 3
-DTE 7-105	3	1 ~ 7	105	29	1.1	D 7
-DTE12-180		2.5 ~ 13	180	40	2.3	D12
F63 -DTA 3- 90	1	0.5 ~ 3.175	90	10	0.8	D 3
-DTB 3- 75	2		75			
F63M -DTB 7-100		1 ~ 7	100	21	0.9	D 7
-DTB12-120		2.5 ~ 13	120	30	1.1	D12

■选品品 ●DETa-1筒夹 ●扳手·六角扳手 ●刷子组套
 ■标准附属品 ●销 (DTA3) ●冷却液导管 (HSK-A)

扳手和扳子 Spanner Wrench

CODE	Fig.	刀柄类型 Holder type
F -22	1	DTA 3
-38	2	DTA 7
-45		DTA12
DW- 2.5-110	3	DTB 3

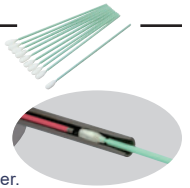
Fig.1



刷子组套 毛毡型 Cleaning tool felt type

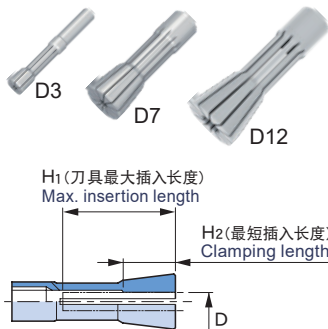
CODE	数量 Q'ty
PCT01-10	10
-25	25

请用于筒夹刀柄内部清扫。
Used to clean the inside of holder.



DETa-1 超弹性弹簧筒夹 超精密级(P级)

DETa-1 collet Precision collet



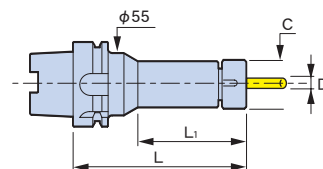
CODE	φD	H1	H2
D 3- 0.6-P	0.5 ~ 0.6	30	6.9
- 0.8-P	0.6 ~ 0.8		
- 1 -P	0.8 ~ 1		7.0
- 1.5-P	1 ~ 1.5		7.2
- 2 -P	1.5 ~ 2		7.3
- 2.5-P	2 ~ 2.5		7.4
- 3 -P	2.5 ~ 3		7.5
- 3.175-P	2.7 ~ 3.175		7.6

CODE	φD	H1	H2
D 7- 1.5-P	1 ~ 1.5	36	7
- 2 -P	1.5 ~ 2		10
- 2.5-P	2 ~ 2.5		12
- 3 -P	2.5 ~ 3		
- 4 -P	3 ~ 4		14
- 5 -P	4 ~ 5		16
- 6 -P	5 ~ 6		
- 7 -P	6 ~ 7		

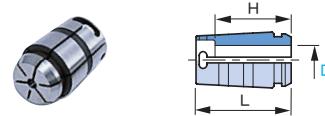
CODE	φD	H1	H2
D12- 4 -P	2.5 ~ 4	50	16
- 6 -P	4 ~ 6		20
- 8 -P	6 ~ 8		22
-10 -P	8 ~ 10		
-12 -P	10 ~ 12		
-13 -P	11 ~ 13		

弹簧筒夹刀柄

COLLET HOLDER



弹簧筒夹 超精密级(P级) Spring collet (Precision Collet)



例如
Ex. C10 - 6 - P

CODE	φD	L	φC	L1	Kg	
A63 -CTH10- 75	2.4 ~ 10	75	36	49	0.9	C10
-CTH20- 90	5.8 ~ 20	90	50	64	1.2	C20
-CTH25-105	5.8 ~ 25	105	62	79	1.6	C25
F63 -CTH10- 60	2.4 ~ 10	60	36	34	0.9	C10
-CTH20- 75	5.8 ~ 20	75	50	49	1.1	C20

■选品品 ●弹簧筒夹 ●扳手 ●可调整扭矩手柄
 ●冷却液贯穿系统 ●间隙螺母
 ■标准附属品 ●圆形螺母 (NUA-CTH) ●冷却液导管 (HSK-A)
 ■Options ●Spring collet ●Spanner ●Adjustable torque wrench
 ●Coolant screw ●Sukima nut
 ■Std. Access. ●Nut (NUA-CTH) ●Coolant duct (HSK-A)

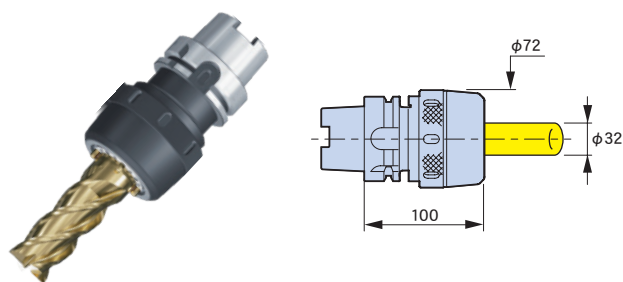
CODE	φD	伸缩范围 Collapsibility	L	H
C10-D-P	2.6 2.8 3 3.2 3.4 3.6 ... 0.2mm间隔 In 0.2mm steps ... 9 9.2 9.4 9.6 9.8 10	0.2	26	18 (φD=2.6 ~ 5.8) 20 (φD=6 ~ 10)
C20-D-P	6 6.2 6.4 6.6 6.8 ... 0.2mm间隔 In 0.2mm steps ... 19.4 19.6 19.8 20		50	32 (φD=6 ~ 9.8) 35 (φD=10 ~ 15.8) 40 (φD=16 ~ 20)
C25-D-P	6 8 10 10.5 11 11.5 12 ... 0.5mm间隔 In 0.5mm steps ... 23 23.5 24 24.5 25		68	38 (φD= 6 ~ 8) 48 (φD= 10 ~ 15) 54 (φD= 15.5 ~ 20) 57 (φD= 20.5 ~ 25)

扳手

Spanner

CODE	刀柄类型 Holder type
FC-36	CTH10
-50	CTH20
-62	CTH25





CODE	刀具的夹持长度 Cutter insertion length	Kg	容许最大转速 min^{-1} MAX. min^{-1}
A63-ART32-100	66 ~ 71	2.0	6,000

- 选品 ●直筒夹 ●带推顶勾的扳手 ●喷嘴
- 标准附属品 ●冷却液导管(固定式)
- 备考 ●可对应可动式冷却液导管。详细请垂询。
- 注意事项 ●使用直筒夹时不对应冷却液贯穿。
- Options ●Straight collet ●Spanner with ejection hook ●Nozzle
- Std. Access. ●Coolant duct (Fixed type)
- Note ●Swing type coolant ducts are available upon request.
For details, please contact us.
- Caution ●The coolant-through system is not available for straight collets.

直筒夹

Straight collet

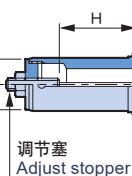
标准型
Standard type



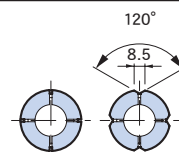
F 类型
F type



喷嘴用切槽
Notch for nozzle



调节塞
Adjust stopper



CODE		φD	H
标准型 Standard type	F 类型 F type		
S32- 6	S32- 6F	6	30~68
- 8	- 8F	8	
-10	-10F	10	40~68
-12	-12F	12	
-16	-16F	16	50~68
-20	-20F	20	
-25	-25F	25	

带推顶勾的扳手

Spanner with ejection hook

不仅可以安装刀具，也可以取出直筒夹。
This spanner can be used to both tighten a nut and remove a straight collet.



CODE
FM-72

喷嘴

Nozzle



CODE	数量 Q'ty
NOZ-M4-12	12
-60	60

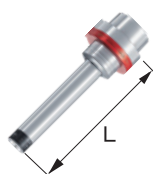
周边设备

PERIPHERAL

机床主轴保养用测试棒 CHECKMATE

For machine spindle maintenance Test Bar CHECKMATE

CODE	L	Kg
HSK63 -CMA25-175	175	1.2
-CMB40-325	325	2.7
HSK63F -CMA25-175	175	1.2
-CMB40-325	325	2.7



主轴锥孔用 清洁工具 STAR DUST

For a spindle taper hole,CLEANING TOOL STAR DUST

CODE
CLT-A63-G3
- F63-G2

用于清洁机床主轴。
※也备有用于清洁刀柄的款式。
详情请垂询敝司。
Use when cleaning the machine spindle taper.
※ A tool for the holders is also available.
Please contact us.



设定Z轴原点 / 测量基准位置用工具 Goo测量仪

Z axis origin setting tool Goo CHECKER

CODE	L	Kg
A63-ZPM-150	150	1.2
-210	210	1.5
F63-ZPM-150	150	1.1
-210	210	1.3



简单设定加工中心的工件原点(Z点)
It set up the original point of work-piece in M/C.

刀具紧固台 HF系列

TOOL SET UP STAND HF Series

CODE	Kg
HF-A63	1.2
-F63	1.6

利用虎钳夹持使用。
It is used for attaching on vise.

