



Slim3

Compact Vertical Machining Center

HSK-A50 TOOLING SYSTEM

Speed
Accuracy
Reliability



Slim3



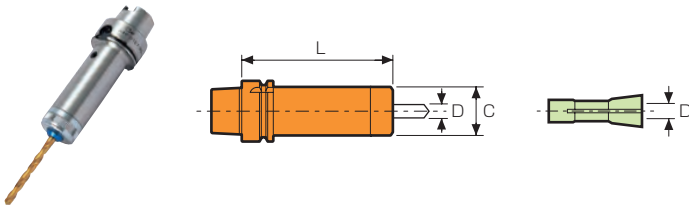
MST corporation



1109E

DETa-1 COLLET HOLDER (E type)

DTE



CODE	φD	L	φC
A50-DTE 7-105	1 ~ 7	105	29
-DTE12-120	2.5~13	120	40

DETa-1 collet

CODE				CODE			
Standard collet	Precision collet	Holder type	φD	Standard collet	Precision collet	Holder type	φD
D7-1.5	Add "-P" after the standard type item code. < Example > D7-6-P	DTE7	1 ~ 1.5	D12- 4	Add "-P" after the standard type item code. < Example > D12-6-P	DTE12	2.5 ~ 4
-2			1.5 ~ 2	- 6			4 ~ 6
-2.5			2 ~ 2.5	- 8			6 ~ 8
-3			2.5 ~ 3	-10			8 ~ 10
-4			3 ~ 4	-12			10 ~ 12
-5			4 ~ 5	-13			11 ~ 13
-6			5 ~ 6				
-7	6 ~ 7						

Spanner

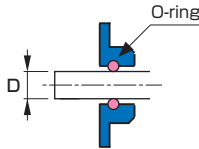


CODE	Holder type	Clamping torque
W-135DR	DTE 7 DTE12	1.4 kgf 1.8 kgf

Coolant-through system (Option)

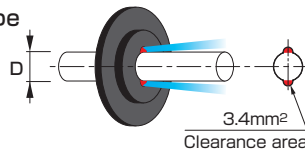
Spacer

EA type



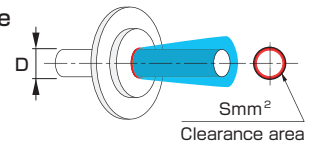
CODE	Holder type	φD	Q'ty
7EA- 3.5-3	DTE 7	3 ~ 3.5	3pcs. 1set
- 4.0-3		3.5~ 4	
- 4.5-3		4 ~ 4.5	
- 5.0-3		4.5~ 5	
- 5.5-3		5 ~ 5.5	
- 6.0-3		5.5~ 6	
- 6.5-3		6 ~ 6.5	
- 7.0-3	6.5~ 7		
12EA- 3.5-3	DTE12	3 ~ 3.5	3pcs. 1set
- 4.0-3		3.5~ 4	
- 4.5-3		4 ~ 4.5	
- 5.0-3		4.5~ 5	
- 5.5-3		5 ~ 5.5	
- 6.0-3		5.5~ 6	
- 6.5-3		6 ~ 6.5	
- 7.0-3		6.5~ 7	
- 8.0-3		7.0~ 8.0	
- 9.0-3		8.0~ 9.0	
- 10.0-3		9.0~10.0	
- 11.0-3	10.0~11.0		
- 12.0-3	11.0~12.0		
- 13.0-3	12.0~13.0		

EBM type



CODE	Holder type	φD	Q'ty
7EBM- 3-3	DTE 7	3	3pcs. 1set
- 4-3		4	
- 6-3		6	
12EBM- 3-3	DTE12	3	3pcs. 1set
- 4-3		4	
- 6-3		6	
- 8-3		8	
- 10-3		10	
- 12-3		12	

EBS type



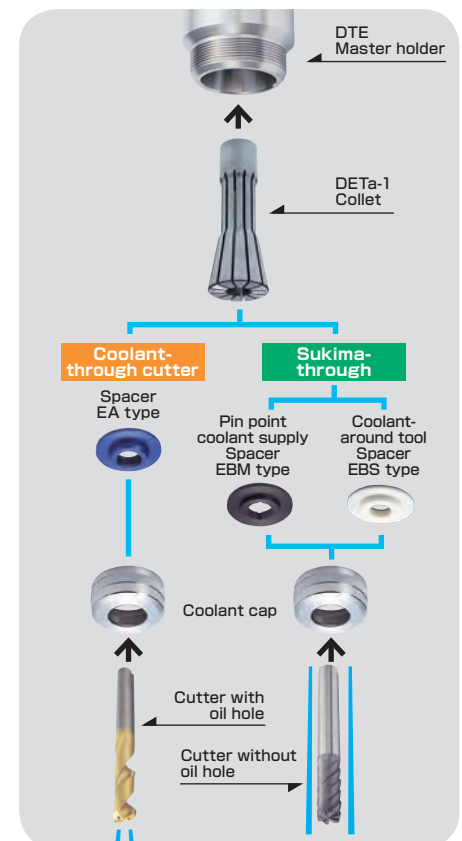
CODE	Holder type	φD	S	Q'ty
7EBS- 3.6-3	DTE 7	3	3.1	3pcs. 1set
- 4.5-3		4	3.3	
- 6.4-3		6	3.9	
12EBS- 3.6-3	DTE12	3	3.1	3pcs. 1set
- 4.5-3		4	3.3	
- 6.4-3		6	3.9	
- 8.4-3		8	4.6	
- 10.3-3		10	4.8	
- 12.3-3		12		

Spacer blank type

Depend on cutter or application, please modify.



CODE	Holder type	Q'ty
7EBF- BL- 5	DTE 7	5pcs. 1set
12EBF- BL- 5	DTE12	



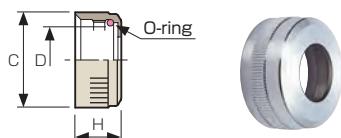
Spacer set

CODE	Contents of set			Holder type
	Spacer	Q'ty	Coolant cap	
7ES- A	7EA-3.5~7	(1 ea.) total 14pcs.	CLP- 7E (1pc.)	DTE 7
	7EBM- 3-4,6			
	7EBS- 3.6~6.4			
12ES- A	12EA-3.5~13	(1 ea.) total 26pcs.	CLP-12E (1pc.)	DTE12
	12EBM- 3~13			
	12EBS-3.6~12.3			



■ Standard accessories
● Collet driver

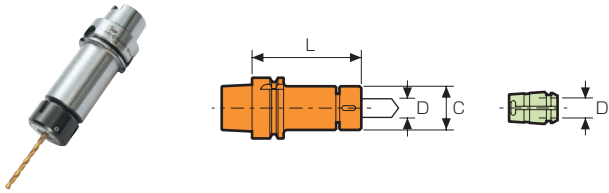
Coolant cap



CODE	Holder type	φD	φC	H
CLP- 7E	DTE 7	21	29	14
- 12E	DTE12	30	40	18

COLLER HOLDER for high-speed

CTH



CODE	ϕD	L	ϕC
A50 -CTH10- 55	2.4~10	55	36
- 75		75	
A50M-CTH20- 80	5.8~20	80	50
-105		105	

Spring collet

CODE	Holder type	ϕD
C10-D-P	CTH10	2.6 2.8...(0.2 steps)...9.8 10
C20-D-P	CTH20	6 6.2...(0.2 steps)...19.8 20

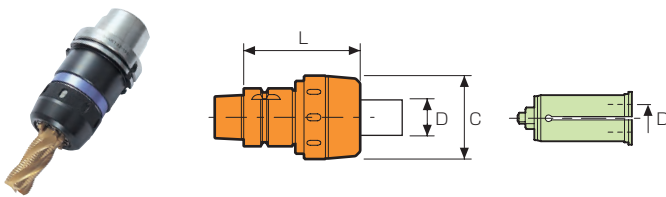
Spanner



CODE	Holder type	Clamping torque
FC-36	CTA10, CTH10	4~ 6 kgf
-50	CTA20, CTH20	12 kgf

Hi-ART MILLING CHUCK

ART



CODE	ϕD	L	ϕC
A50M-ART32-100	32	100	72

Straight collet

CODE		ϕD
Standard type	F type	
S32- 6	S32- 6F	6
- 8	- 8F	8
-10	-10F	10
-12	-12F	12
-16	-16F	16
-20	-20F	20
-25	-25F	25

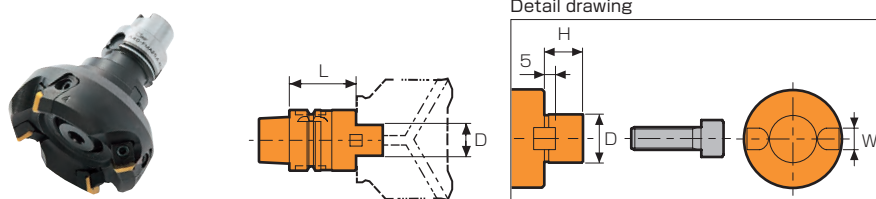
Spanner with ejection hook



CODE	Clamping torque
FM-72	6 kgf·m

FACE MILL ARBOR

FM



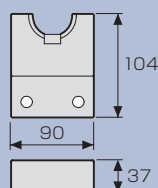
CODE	ϕD	L	H	W
A50-FM 16-45S02	16	45	16	8
-FMC22-45	22		18	10
-FMC27-45S03	27		20	12

PERIPHERALS

TOOL SET UP STAND

Tool tightening stand

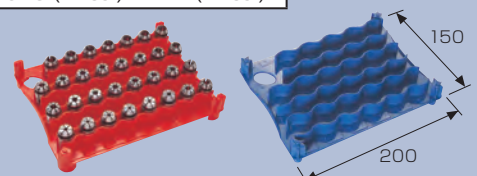
CODE
HF-A50



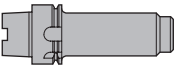

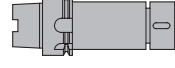

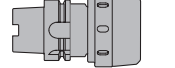

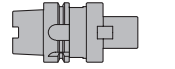
PALLET

Collet stand

CODE	Applicable collet
PA-R	C10 (31ea.) / D 7 (31ea.)
-B	C20 (17ea.) / D12 (17ea.)



TOOL HOLDER SET

	Holder	Collet	Aset	Bset
DETa-1 COLLET HOLDER (DTE type)			Q'ty	Q'ty
	A50-DTE7-105		3	—
		D 7- 1.5	2	—
		- 2	2	—
		- 2.5	2	—
		- 3	2	—
		- 4	2	—
		- 5	2	—
		- 6	2	—
		- 7	2	—
	A50-DTE12-120		3	5
		D12- 4	2	3
		- 6	2	3
		- 8	2	3
	-10	2	3	
	-12	2	3	
	-13	2	3	
F-135DR (Spanner)		1	1	
COLLET HOLDER (CTH type)			Q'ty	Q'ty
	A50-CTH10-75		3	2
		C10- 3-P	2	2
		- 4-P	2	2
		- 6-P	2	2
		- 8-P	2	2
		-10-P	2	2
	FC-36 (Spanner)		1	1
	A50M-CTH20-80		3	5
		C20- 6-P	1	3
		- 8-P	1	3
		-10-P	1	3
		-12-P	1	3
		-16-P	1	3
	-20-P	1	3	
FC-50 (Spanner)		1	1	
Hi-ART MILLING CHUCK			Q'ty	Q'ty
	A50-ART32-100		2	2
		S32-12	1	1
		-16	1	1
		-20	1	1
		-25	1	1
FM-72 (Spanner)		1	1	
FACE MILL ARBOR			Q'ty (Select one)	Q'ty (Select one)
	A50 -FM 16-45S02		<input type="radio"/>	<input checked="" type="radio"/>
	A50M-FMC22-45		<input type="radio"/>	<input checked="" type="radio"/>
	-FM 27-45S03		<input type="radio"/>	<input checked="" type="radio"/>

Q'ty Q'ty

TOOL SET UP STAND	HF-A50	1	1
PALLET	PA-R	1	1
	-B	1	2

TOTAL Q'ty Q'ty

HOLDER	15	15
COLLET	48	50
PERIPHERALS	3	4

SHRINK-FIT HOLDER SLIMLINE



- Using special stainless steel
- Super slim
- High accuracy 3 μ

ANGLE HEAD HALF



- Affordable
- Lightweight 1.8kg
- Quick delivery

MST corporation

1738 Kita-tahara, ikoma, Nara 630-0142 Japan
TEL : +81 (0)743 78 1931
FAX : +81 (0)743 78 3854

<http://www.mst-corp.co.jp>

U.S. Patent No.5,311,654; U.S. Patent No.5,582,494