

TOOL SET UP STATION

For details, please see our website!
<http://www.mst-corp.co.jp/en>

Work table

6S DESK

CODE

6SD-01

- Helps in the rapid implementation of the 5 S's in your factory.
- Ensures safe tool settings.
- Easy-to-assemble, simple, compact, prefabricated type.

Sorting
Systematizing
Sweeping
Sanitizing
Self-discipline

6S

5S + S Safety



Backside
•Dust Shooter
•Tool Cap Dispenser
•Hanger



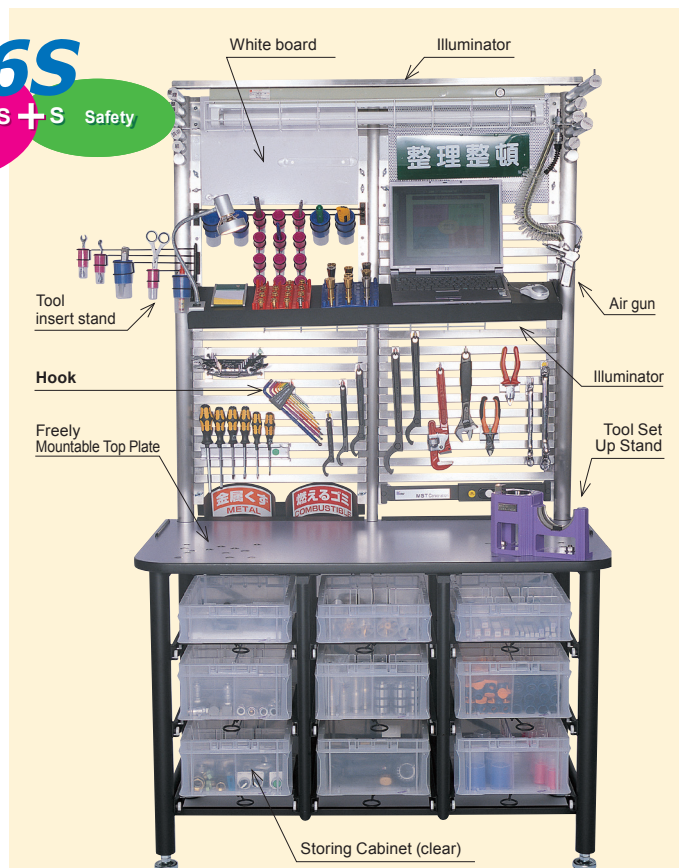
Freely Removable Drawer



Freely mountable and interchangeable hooks



Tools and vises can be freely clamped/mounted.



*This image includes the options.

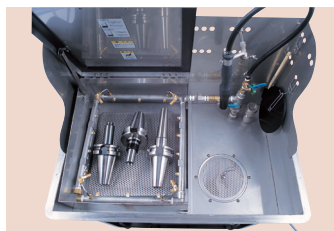
Tool washing machine

CLEAN BOX

CODE

CBX-01

- Tools including cutters and jigs are washable with no need to breaking them down.
- Compact type with built-in sink.
- No plumbing required.
- Safe cleaning system using water.
- Comes with a washing water heater for ensuring comfortable working conditions even in winter.



Compact built-in sink



Cover can be opened during washing.

Washing shower equipped with automatic shutoff function, when opened

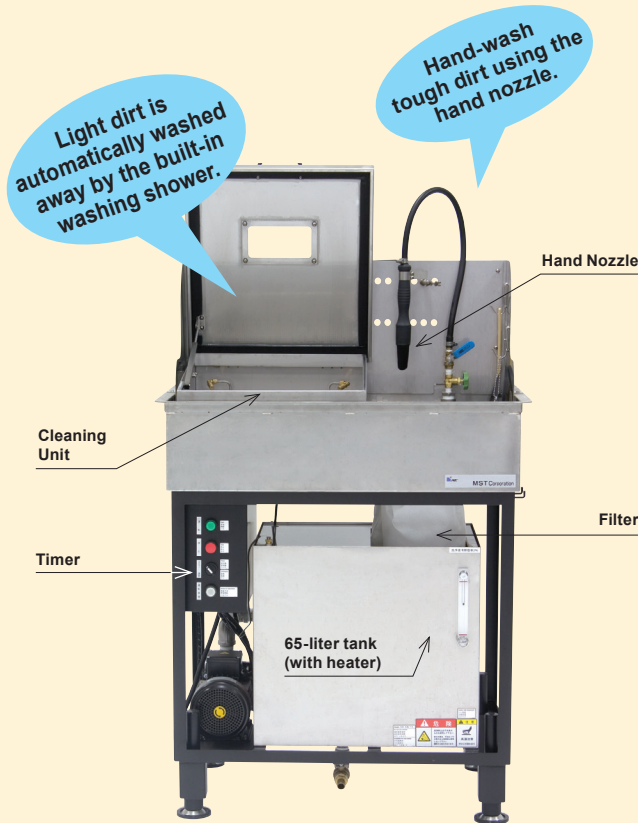


Hand washing



Automatic washing from 18 nozzles.

Wash Tool holder/Collet/Nut/Cutting tools thoroughly to maintain their high accuracy.



Light dirt is automatically washed away by the built-in washing shower.

Hand-wash tough dirt using the hand nozzle.

*This image includes the options.

Cutting tool cover that keeps the cutting tool visible, will not slip off or break, and is user-friendly



Protects the cutting tool and is user-friendly.

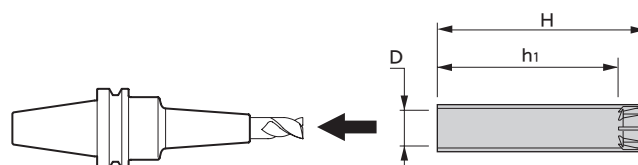
The cutting tool cover protects the user from injury at the time of work while protecting breakage of the cutting edge.



Not slip off



CODE	ϕ D	h ₁	H	Q'ty
TCD03-50	3	—	25	50
TCD04-50	4	—	32	50
TCC0607- 50	5.4~ 6.7	35	40	50
-100				100
-500				500
TCC0709- 50	6.8~ 8.9	35	40	50
-100				100
-500				500
TCC0911- 50	8.9~10.9	65	70	50
-100				100
-500				500
TCC1113- 50	10.9~13.4	65	70	50
-100				100
-500				500
TCC1418- 25	13.8~17.8	100	110	25
- 50				50
-250				250
TCC1822- 25	17.8~22.4	100	110	25
- 50				50
-250				250
TCC2228- 25	22.3~28	135	150	25
- 50				50
-250				250
TCC2836- 10	28 ~36	130	150	10
- 20				20
- 50				50
-200				200
TCC3646- 10	36.2~47	165	190	10
- 20				20
- 50				50
-200				200
TCC4760- 10	46 ~60	160	190	10
- 20				20
- 50				50
-200				200



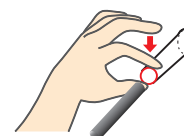
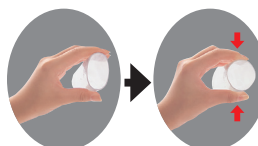
Variety Set

Each size comes in a set of two.

CODE	Q' ty
TCC-F	2 pieces per cutting tool over size for TCC0607 to 4760(total of 20 pieces per set)

Usage

- 1 Hold the mouth of the tool cap vertically, and then press it so that its oval shape becomes round.
- 2 Once the mouth of the tool cap becomes round, push it into the cutting tool or tool.



TCA type— The TCA-type cutting tool cover is used by attaching it to the tip of a tool holder.

TCB type— This cutting tool cover is attached to the cutting tool.

TCA type

TCB type



General catalog for further reference...

The setup time can be shortened.

Not only can you mount cutting tools simply and quickly without using other tools, but also clamping collets and retention knobs!

フットボール
Petit Ball40
BT40



Freely set
vertically or
horizontally

マイキューブ
MYCUBE50
BT50

マイキューブ
MYCUBE100
HSK-A100



HF SERIES

BT30/BT40/BT50
HSK-A40/A50/A63/A100
E32/E40/E50/F63



Petit Ball / MY CUBE

CODE	Shank type	Kg
PETIT BALL40	BT40 / CAT.40 / DIN40	6.1
MY CUBE 50	BT50 / CAT.50 / DIN50	9.7
MY CUBE100	HSK-A100	9.6

Option

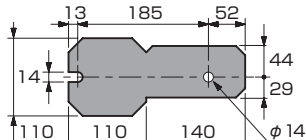
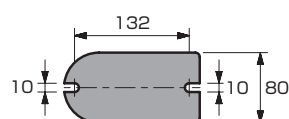
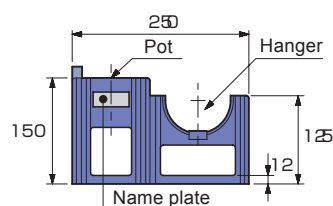
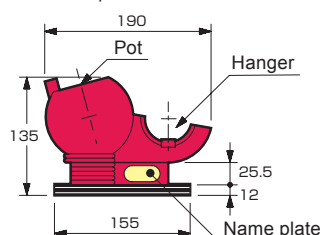
- Adapter (Petit Ball, MY CUBE 50)

Std.Access.

- Name plate

Caution

- Prepare 2 bolts for installation.
(Petit Ball : M8, MY CUBE : M12×2).



CODE	Model	Adapter	Shank type
AP40-T30V	Petit Ball 40	For pot	BT30
-T30H		For hanger	BT30
AP50-T30V	MY CUBE 50	For pot	BT30
-T40V			BT40/CT40 / DN40
-A63V			HSK-A63, T63
-F63V			HSK-F63
AP50-T30H		For hanger	BT30
-T40H			BT40
-A63H			HSK-A63, T63
-F63H			HSK-F63

Adapter for pot



Adapter for hanger



Adapter for pot



Adapter for hanger

At your request,
your company name
will be engraved.
(Petit Ball, MY CUBE)



Petit Ball



MY CUBE

HF series

CODE	Fig.	Shank type	H	W	A	t	Kg
HF-BT30	1	BT30	77	70	50	30	0.8
-BT40		BT40	90	90	60	37	1.2
-BT50	2	BT50	—	—	—	—	2.2
-A40	1	HSK-A40, T40	72	60	35	30	0.8
-A50		-A50, T50	88	70	50	37	1.0
-A63		-A63, T63	87	90	—	—	1.2
-A100	2	-A100, T100	—	—	—	—	2.1
-E32	3	-E32	98	64	35	24	1.0
-E40		-E40	100	70	—	—	1.1
-E50		-E50	106	80	50	26	1.3
-F63		-F63	120	90	60	—	1.6

Fig. 1

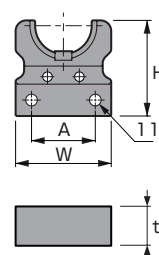


Fig. 2

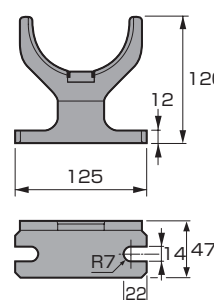
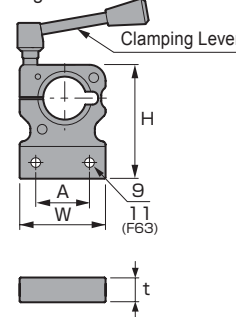


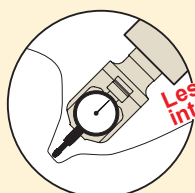
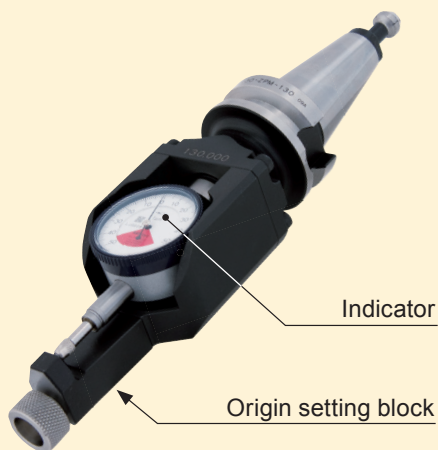
Fig. 3



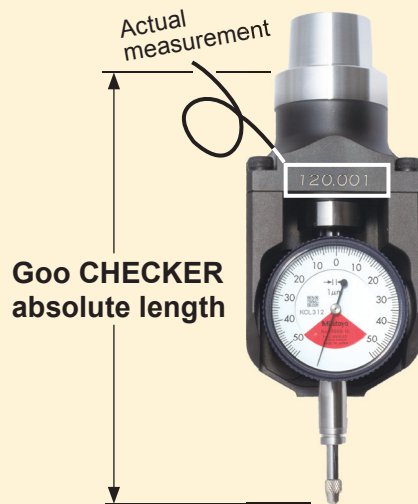
Goo CHECKER ZPMtype

Set up the original point on the Z axis / measuring tool for reference position

Shareable Z-axis origin for multiple machining centers.
Easy work-piece origin setting.
Precise work-piece flatness and step measurement possible!

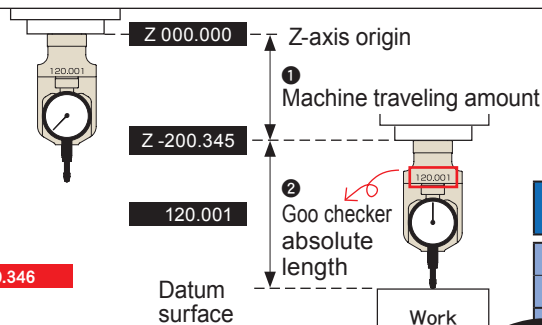


Available for using 5-axis machine.



Easy Z-axis origin setting

Easy measurement for Z-axis origin to work-piece datum surface.



(Ex.)

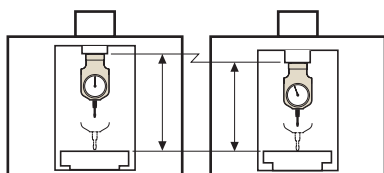
Distance from Z-axis origin to work-piece datum surface.

$$200.345 + 120.001 = 320.346$$

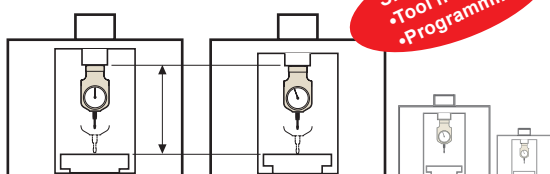
- 1 Machine traveling amount 2 Goo checker absolute length

Sharable Z-axis origin for several machining centers

After measuring the distance from the Z-axis origin to the table surface of each machining center and correcting any variations, multiple machining centers can share Z-axis origin.

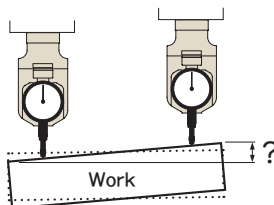


Correcting actual measurement variations



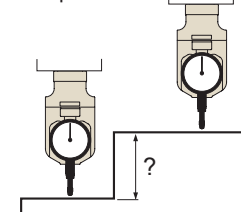
Work-piece position measuring

Precise measurement for flatness



Step distance measurement

Measurement for steps on the work-piece



CODE	L	Kg
BT30-ZPM-130	130	1.0
-165	165	1.2
BT40-ZPM-150	150	1.3
-210	210	1.5
BT50-ZPM-180	180	2.9
-240	240	4.1
A 63-ZPM-150	150	1.2
-210	210	1.5
A100-ZPM-180	180	2.5
-240	240	3.8
E 32-ZPM-120	120	0.7
-165	165	1.0
HSK E 40-ZPM-120	120	0.8
-180	180	1.1
E 50-ZPM-150	150	1.0
-195	195	1.3
F 63-ZPM-150	150	1.1
-210	210	1.3
F80PD-ZPM-180	150	1.1
-240	210	1.3
DIN DN40-ZPM-150	150	1.3
DN50-ZPM-180	180	2.9
CAT. CT40-ZPM-150	150	1.3
CT50-ZPM-240	240	4.1

- Option
 • Retention knob (BT/ CT/ DN)
 ■ Std. Access.
 • Origin setting block • Indicator, 1/1000 reading
 ■ Caution
 • A.T.C is not available. (except for BT30)

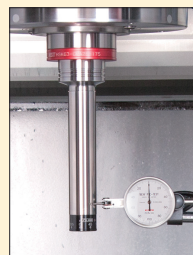
TEST BAR CHECKMATE

For machine spindle maintenance

Ideal for checking machine spindle run-out accuracy easily.

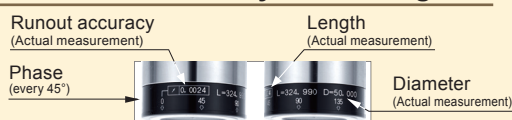
Managing spindle accuracy will maximize tool holder performance and increase productivity.

- ▷ Light-weight, hollow design makes it easy to use.
- ▷ Ideal for setting Z axis origin.
- ▷ Reasonable price.



You can recognize the exact run-out accuracy and the highest run-out of the spindle.

The actual measurement values are marked on the body.



It can be installed into the spindle in every phase.

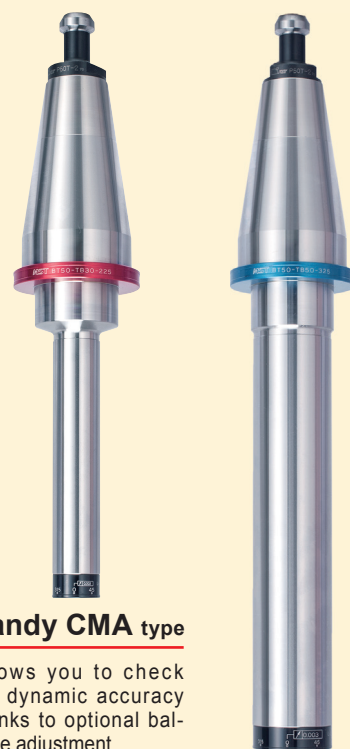
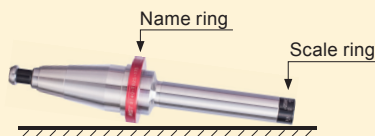
Drive-key less design allows you to install the test bar in every phase, making the run-out check easier than ever.



No drive key ways.

The name ring and scale ring protect it from scratches and dents.

The taper area and straight area do not touch the table surface even if they are placed horizontally.



Handy CMA type

Allows you to check the dynamic accuracy thanks to optional balance adjustment.

Full-fledged CMB type

Z-axis deflection and spindle travel accuracy can be measured.

	CODE	Fig.	φD	φD ₁	L	L ₁	L ₂	L ₃	Kg
BT / DIN / CAT.	NT30-CMA20-125	1	20	32	125	45	65	15	0.7
	NT40-CMA25-175	2	25	42	175	50	110		1.3
	NT50-CMA30-225		30	53	225	65	145		3.5
	NT30-CMB30-175	1	30	32	175	45	115	15	1.0
	NT40-CMB40-325	2	40	42	325		265		2.8
HSK-A / -E	NT50-CMB50-325		50	53		60	250		5.7
	HSK32-CMA20-125	3	20	26	125	35	75	15	0.4
	HSK40-CMA20-125			32		45	65		0.5
	HSK50-CMA25-175		25	42	175	50	110		1.0
	HSK63-CMA25-175								1.2
	HSK80-CMA30-225		30	53	225	65	145		2.2
	HSK100-CMA30-225								3.0
	HSK125-CMA30-225								4.1
	HSK32-CMB25-175	3	25	26	175	35	125	15	0.7
	HSK40-CMB30-175		30	32		40	120		0.9
	HSK50-CMB40-225		40	42	225	45	165		1.8
	HSK63-CMB40-325				325		265		2.7
	HSK80-CMB50-325		50	53		60	250		4.4
	HSK100-CMB50-325								5.2
	HSK125-CMB50-325								6.3
HSK-F	HSK63F-CMA25-175	3	25	42	175	50	110	15	1.2
	HSK80F-CMA30-225		30	53	225	65	145		2.3
	HSK63F-CMB40-325		40	42	325	45	265		2.7
	HSK80F-CMB50-325		50	53		60	250		4.5

■ Std. Access.

- Accuracy inspection sheet

■ Option

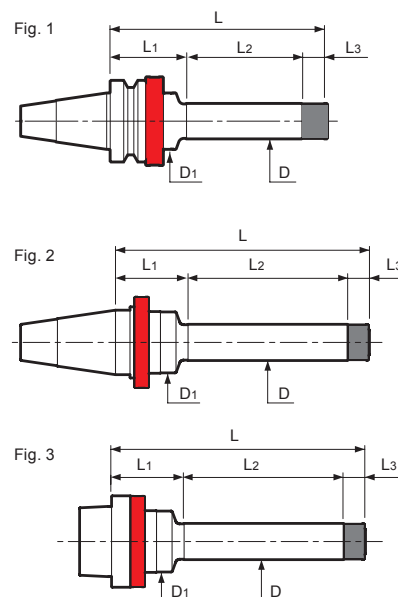
- Coolant duct(HSK-A) • Retention knob(BT)
- Special retention knob(CAT. / DIN)
- Balance adjustment (only for CMA type) less than G2.5 / 30000min⁻¹
- *Please order by adding "BL" to the end of the code.
- (Ex. : HSK63-CMA25-175 BL)

■ Note

- NT type is available for BT/CAT. and DIN spindle by changing the retention knob.
- HSK type is available for both HSK-A and HSK-E spindles. • HSK-F type is available only for HSK-F spindle.
- A special design retention knob is required for CAT./DIN spindle. A market standard retention knob for ANSI/DIN/ISO is not available. Contact us for detail.

■ Caution

- Use a market standard retention knob for the BT spindle.
- NT30 type can be installed into a spindle at 0° and 180°.
- A.T.C is not available. (except for NT30)



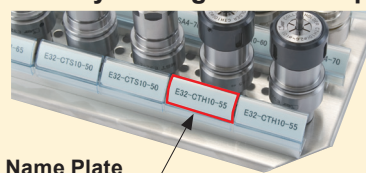
Exclusive retention knob

CODE	Shank
P-576	CAT.40
-575	CAT.50
-578	DIN40
-577	DIN50

TOOL HOLDER STORING CABINET

Compact Storage Box for anti-rust treatment of tool holders.

Orderly storing with name plate



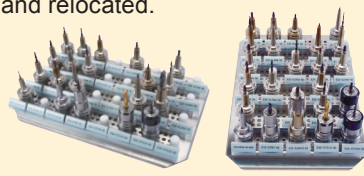
Name Plate

Transparent case!!

HBX

Arrangeable

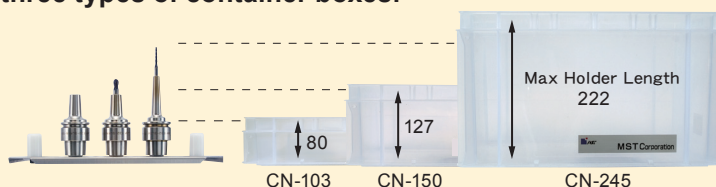
A multi-hole base plate is employed. Supports a variety of holder specifications using pins that can be freely changed and relocated.



Horizontal type

Vertical type

Holders with different lengths can be stored using three types of container boxes.



Standard Set

CODE	max. Q' ty	Container box	Pin	Number of pins supplied	Shank type
HBX-A40	24	CN-150	HBX-PNE40	18	HSK-A40
-A50	15	-245	-PNE50	15	-A50
-E25	40	-150	-PNE25	32	-E25
-E32			-PNE32		-E32
-E40	24		-PNE40	18	-E40
-E50	15	-245	-PNE50	15	-E50
-F63	10				-F63
-15T	40	-150	-PN15T	16	15T(BROTHER)
-20T			-PN20T		RS20/20T(SUGINO)

Contents of set

●Base plate ●Container box ●Pin

Option

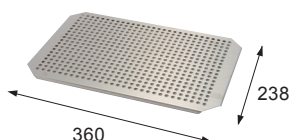
●Rail ●Name Plate ●Lid for Container Box ●Eyenut

Note

●Knock-down type. A wrench (5mm) is required.

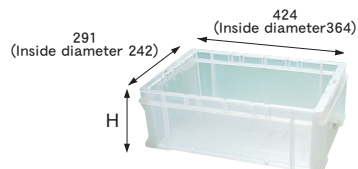
Base plate

CODE
HBX-BP01



Container box

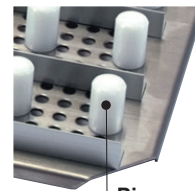
CODE	H		Shank type
	Outside diameter	Inside diameter	
CN-103	103	88	—
-150	150	135	E25, 32, 40/15T/20T
-245	245	230	A50, E50, F63



Pin

CODE	Q' ty	Size
HBX-PNE25	10	φ 13.5 × H20
-PNE32		φ 16.5 × H25
-PNE40	5	φ 20.5 × H29
-PNE50		φ 25.5 × H36
-PN15T		φ 26.5 × H54
-PN20T		φ 30.5 × H62

■ Std. Access. ●Mounting bolt (M5)



Pin

Eyenut

CODE	Q' ty
HBX-ENM6	2

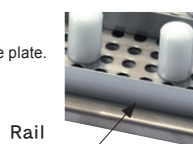
■ Std. Access.
●Mounting bolt M6



Rail (for name plate)

CODE	Q' ty	L	Note
HBX-R210	6	210	Vertical type
-R330	4	330	Horizontal type

■ Std. Access.
●Mounting bolt M5
Required for attaching name plate.

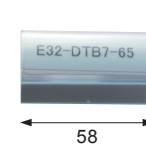


Rail

Name plate

CODE	Q' ty
HBX-NP01	40

Attaches easily to the rail.



Freely cut to required overall length

Lid for container box

CODE
CN-FT



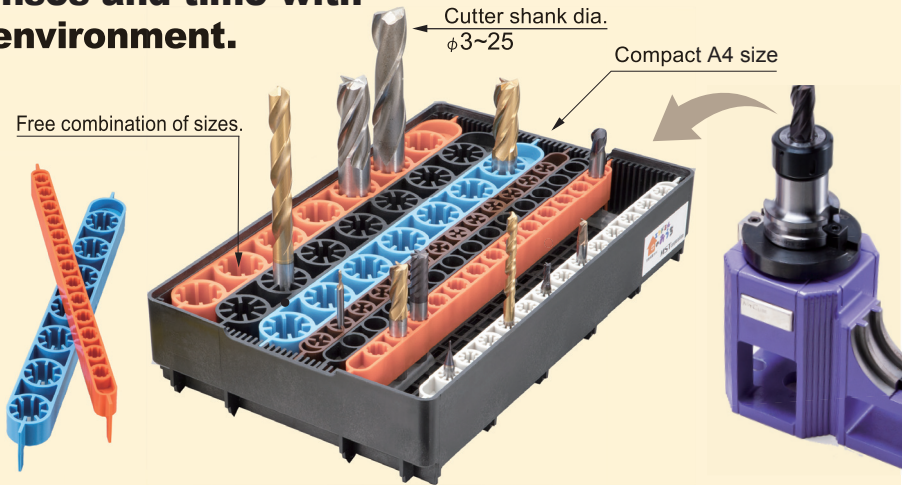
Are you having trouble storing your cutting tools?



Cutting tool expenses increase due to cutting edge chipping. The required cutting tool cannot be found easily.

Save cutting tool expenses and time with the optimum working environment.

Cutting tool life is extended because the cutting edge is not dulled from striking other cutters. You can find the required cutting tool immediately.



Value set

This is a convenient value set that can be immediately used and handles tool shank diameters of 3 mm to 12 mm. (Stores 156 cutting tools)

Stand

Cutter dia	Q'ty
φ 3	1
φ 4	2
φ 6	3
φ 8	2
φ 10	2
φ 12	2

Base

Q'ty
1

Stand

Base

TOOL CAP

Cutter dia	Q'ty
φ 3	50
φ 4	50
φ 6	50
φ 8	50
φ 10	50
φ 12	50

TOOL CAP storage box

Q'ty
1

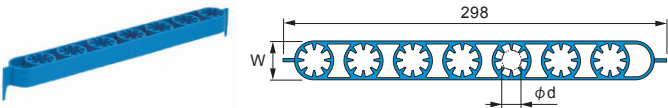
φ3:13pcs. φ4 :26pcs. φ6 :39pcs.
φ8:26pcs. φ10:26pcs. φ12:26pcs.

CODE

EMO-SET-01

Stand

Parts for storing and securing cutting tools. It is possible to identify the cutting tool size by color, and the cutting tool you need can be found at a glance. Use this stand inserting it into the base.



CODE	φd	Q'ty	Color	max. Q'ty	W
EMO—STD 3—2	3	2	Black	13 pcs./cutting tools/stand	15mm (1W)
—5		5			
—STD 4—2	4	2	Brown		
—5		5			
—STD 6—2	6	2	Gray		
—5		5			
—STD 8—2	8	2	Yellow		
—5		5			
—STD10—2	10	2	Orange		
—5		5			
—STD12—2	12	2	Black		
—5		5			
—STD16—2	16	2	Blue	7 pcs./cutting tools/stand	30mm (2W)
—5		5			
—STD20—2	20	2	Orange		
—5		5			
—STD25—2	25	2	Gray		
—5		5			

Base

Container for holding the stands. Stands can be arranged by changing the combination of stands freely.

CODE	Q'ty
EMO-BAS-1	1
-3	3

- Note
- 12 rows for the stands of 3mm to 12mm diameter or 6 rows for the stands of 16mm to 25mm diameter.
 - The left-right orientation of the stands can be set.



Example of stand arrangement

