

Locating Pins for Fixtures - Standard Grade, Bullet Nose

■ Features: R shape at insertion guide enables smooth insertion of workpiece.

Shouldered RoHS10

Type	Retaining Part Shape	Shape	Material	Hardness
HATA	N (Threaded)	Round	SCM435	Treated Hardness 35~40HRC
HATD	T (Set Screw)	Diamond	SCM435	Treated Hardness 35~40HRC
THATA	B (Screw Mounted)	Round	SCM415	Carburized Treated Hardness: 55HRC~ (Depth: 0.7 ~ 0.8) / Anti-carburizing on Threads
THATD	B (Screw Mounted)	Diamond	SCM415	Carburized Treated Hardness: 55HRC~ (Depth: 0.7 ~ 0.8) / Anti-carburizing on Threads

Type	Retaining Part Shape	Shape	Material	Hardness	Surface Treatment
D-HATA	N (Threaded)	Round	SCM435	55HRC~ (Surface 3000HV)	Dicoat® Treated
D-HATD	T (Threaded)	Diamond	SCM435	55HRC~ (Surface 3000HV)	Dicoat® Treated

(Round)

(Diamond)

Retaining Part Shape

N (Threaded)

T (Set Screw)

B (Screw Mounted)

Type	Part Number	Retaining Part Shape	Dh7	P		B	L		L	L1	L2	d	Applicable Set Screw	M (Coarse) Screw Mounted	H	R	W				
				0.1mm Increment	1mm Increment		Threaded Selection	Screw Mounted 1mm Increment													
Hardened (Round)	Carburized (Round)	Dicoat (Round)	N (Threaded)	6	3.0-7.0	5-30 (B≤P×4)	5	8	10	-	6	8	8	4	M5	9	1	1(2)			
				8	3.0-9.0		5	8	10	12	15	12-20	10	8	8	5	M5	M4	11	1	1(2)
				10	4.5-12.0		(5)	(8)	10	12	15	15-30	12	10	8	7	M6	M5	13	1	1-3
Diamond	Diamond	Diamond	T (Set Screw)	12	4.5-12.0	5-30 (B≤P×4)	(5)	(8)	10	12	15	15-30	18	5	8	7	M6	M5	13	1	1-3
				10	4.5-12.0		(5)	(8)	10	12	15	15-30	18	5	8	7	M6	M5	13	1	1-3
				12	9.0-19.0		(8)	10	12	15	18	15-30	15	12	10	9	M8	M5	15	1	4
Diamond	Diamond	Diamond	B (Screw Mounted)	16	13.0-19.0	5-30 (B≤P×4)	(10)	12	15	18	20	40	18	12	10	M8	M8	19	2	5	
				10	4.5-12.0		(5)	(8)	10	12	15	15-30	18	5	8	7	M6	M5	13	1	1-3
				12	9.0-19.0		(8)	10	12	15	18	15-30	15	12	10	9	M8	M5	15	1	4

⊗ W Dimension D6, 8, 10, 10T: W=1 when P<5.0 D10, 10T: W=1 when P<5.0, W=2 when 5.0≤P≤7.0, W=3 when P>7.0 ⊗ L dimension in () is not applicable to Diamond Shape.

D	Unit Price															
	HATAN	HATAT	HATDN	HATDT	THATAN	THATAT	THATDN	THATDT	D-HATAN	D-HATAT	D-HATDN	D-HATDT	HATAB	HATDB	THATAB	THATDB
6																
8																
10																
10T																
12																
16																

No Shoulder RoHS10

Type	Retaining Part Shape	Shape	Material	Hardness
HNTAX	N (Threaded)	Round	SCM435	Treated Hardness 35~40HRC
HNTD	T (Set Screw)	Diamond	SCM435	Treated Hardness 35~40HRC
THNTA	B (Screw Mounted)	Round	SCM415	Carburized Hardness 55HRC~ (Depth: 0.7 ~ 0.8) Anti-carburizing on Tapped Part
THNTD	B (Screw Mounted)	Diamond	SCM415	Carburized Hardness 55HRC~ (Depth: 0.7 ~ 0.8) Anti-carburizing on Tapped Part

Type	Retaining Part Shape	Shape	Material	Hardness	Surface Treatment
D-HNTA	N (Threaded)	Round	SKD11 Equivalent	55HRC ~ (Surface 3000HV)	Dicoat® Process
D-HNTD	T (Set Screw)	Diamond	SKD11 Equivalent	55HRC ~ (Surface 3000HV)	Dicoat® Process

Retaining Part Shape

N (Threaded)

T (Set Screw)

B (Screw Mounted)

Type	Part Number	Retaining Part Shape	Dh7	P		B	L		L	L1	L2	d	Applicable Set Screw	M (Coarse) Screw Mounted	R	W			
				0.1mm Increment	1mm Increment		Threaded Selection	Screw Mounted 1mm Increment											
Hardened (Round)	Carburized (Round)	Dicoat (Round)	N (Threaded)	6	9.0-12.0	5-30 (B≤P×3)	5	8	10	10-20	6	8	4	M5	M4	2	3		
				8	11.0-16.0		5	8	10	12	15	10-20	12	10	8	5	M6	M5	3.5
				10	13.0-20.0		(5)	(8)	10	12	15	10-30	12	10	8	7	M6	M5	5
Diamond	Diamond	Diamond	T (Set Screw)	12	15.0-25.0	5-30 (B≤P×4)	(8)	10	12	15	18	15	5	9	M5	M5	6		
				10	15.0-25.0		(8)	10	12	15	18	15	5	9	M5	M5	6		
				16	19.0-32.0		(10)	12	15	18	20	10-32	18	12	10	13	M8	M8	3
Diamond	Diamond	Diamond	B (Screw Mounted)	20	23.0-35.0	5-30 (B≤P×4)	(12)	15	18	20	40	22	12	17	M10	M10	9		
				10	15.0-25.0		(8)	10	12	15	18	15	5	9	M5	M5	6		
				16	19.0-32.0		(10)	12	15	18	20	10-32	18	12	10	13	M8	M8	3

⊗ L dimension in () is not applicable to Diamond Shape and Dicoat® treatment.

D	Unit Price															
	HNTAXN	HNTAXT	HNTDN	HNTDT	THNTAN	THNTAT	THNTDN	THNTDT	D-HNTAN	D-HNTAT	D-HNTDN	D-HNTDT	HNTAXB	HNTDB	THNTAB	THNTDB
6																
8																
10																
10T																
12																
16																
20																

Ordering Example

Type	Retaining Part Shape	D	P	B	L
HATA	N	8	P7.8	B15	L8
HNTAX	T	8	P12.0	B15	

Alterations Part Number - P - B - L - (KC, SC)
HATDB8 - P4.5 - B10 - L12 - KC

Alterations	Wear Groove Alterations	Flat Position	Wrench Flats	Flat Machining	Thread Dia.	Relief	Tip Angle Change
		Shouldered 0° No Shoulder 0°					
Code	MK	KC	SC	KD	MC	NNC	RC
Spec.	<ul style="list-style-type: none"> ① #4 groove at B Dimension. The wear and tear of the groove indicates the degree of wear. ② Applicable to Hardening, Carburized and Round Shape Products only. ③ The groove starts from the area of R value + 1mm. ④ Groove Depth: 0.2mm ⑤ Groove Shape: V Groove 	<ul style="list-style-type: none"> ① Ordering Code KC Changes the flat position to 90° from the standard position 0°. ② Applicable to Diamond Shape Type only. 	<ul style="list-style-type: none"> ① Ordering Code SC Adds wrench flats. ② #1 ③ 9 ④ 11 ⑤ 13 ⑥ 15 ⑦ 19 ⑧ #1 ⑨ 7 ⑩ 8 ⑪ 11 ⑫ 13 ⑬ 17 ⑭ Applicable to Round Shape with Shoulder Type only. 	<ul style="list-style-type: none"> ① Ordering Code KD Machining on one side. ② Applicable to Round Shape Type only. ③ H-P=2 	<ul style="list-style-type: none"> ① Ordering Code MC8 Changes the thread diameter. ② D/3-M-D ③ Mmin3 ④ Applicable to Threaded only. 	<ul style="list-style-type: none"> ① Ordering Code NNC Adds a relief at the thread end. ② Not applicable to Set Screw Type. ③ For damage prevention, Dicoat® treatment is not applicable. 	<ul style="list-style-type: none"> ① Ordering Code RC60 Changes the tip angle. ② Select 60°, 90°, 120°