



MACHINE ACCESSORIES

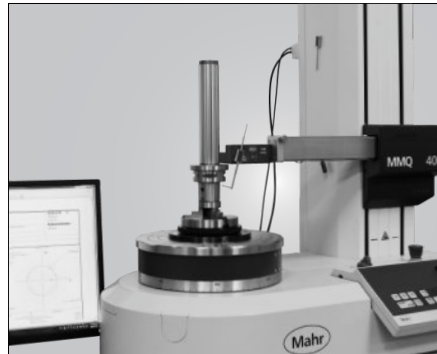
Machining Center | Milling Machine | Lathe | Mill-turn machines

NO.75-2305A

www.syic.com



COMPANY INTRODUCTION





品質創造信譽 信譽保證品質

Quality creates reputation; reputation ensures quality.

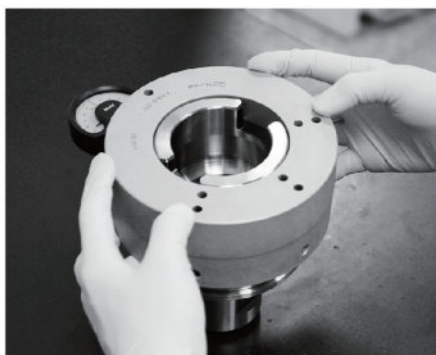
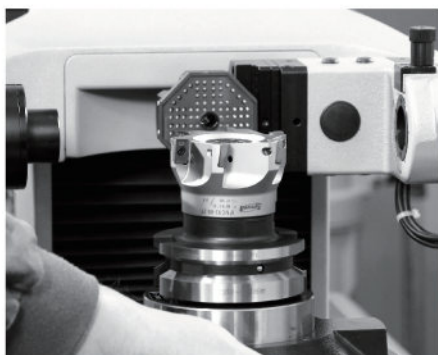
About SYIC

Established in 1979, SYIC is a professional manufacturer of precise tool holders, cutting tools, angel heads, boring series and collets with more than 500 employees. The taper types of tool holders we manufacture include BT (MAS403), CAT (ANSI B5.50), DAT (DIN69871-A), HSK (DIN69893), PSC (ISO26623-1), VDI (DIN10889) and straight shank holders.

SYIC is certified to ISO9001 and ISO14001. With contribution to the design, production and sale of high accuracy and inventive products, SYIC has over 300 pieces of patents worldwide. SYIC keeps investing in high-end equipment and measuring instruments from Japan and Europe to implement excellent quality control and manufacturing capability.

SYIC keeps the core value "Quality creates reputation; reputation ensures quality" to impress our customers, possessing professional technical skills to provide comprehensive solutions for customers, improving customers' machining efficiency, and enhancing the mutual competitiveness with customers. Based on the mission of "Excellent service, supreme quality," SYIC will continue to launch more high precision products to customers.

N



Tool Holders

Your reliable partner!

————— CNC turning, milling and grinding —————

BMT
PSC
HSK
SBT
SCAT
SDAT

Premium
Quality

www.syic.com

供需平衡 共榮共存

Maintain the balance of suppliers and customers and grow together.

未來之路 無限寬廣

Create a great future with infinite opportunities.

營運獲利 永續經營

Run a profitable company with sustainable development.

合作到底 共創通贏

Keep everlasting cooperation and together create a win-win situation.

成就彼此 榮耀一切

Support each other and accomplish mutual success.

人力提昇

Capability improvement

思維清晰

Clear thinking

觀念正面

Positive mindset

心態健全

A sound mind

能力卓越

Excellent ability



Innovation is our mission!

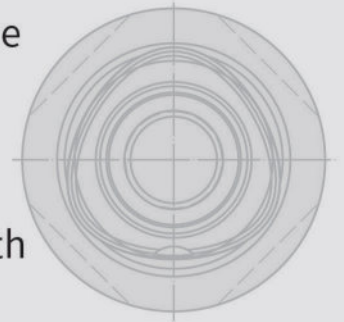
SYIC is committed to developing high precision products to optimize the machining process and offering professional technical service. With experienced technical professionals, our products are developed in response to different types of industries. We aim to achieve customers' demands from different industries including machining industry, mold and die industry, aerospace industry, automotive industry, and energy industry. We offer the most professional and technical service, effectively resolve your machining problems to create maximum production efficiency.

PSC WORKPIECE QUICK CHANGE SYSTEM



Hydraulic Type & Manual Type

- ▶ Quick positioning and workpiece clamping save the downtime for manual feeding.
- ▶ Workpiece can be clamped offline to decrease setting time in the machine and increase production efficiency.
- ▶ PSC triple-face contact structure has the best bending strength and superior repeat positioning accuracy ($\pm 2\mu\text{m}$).
- ▶ Clamping force is inspected individually before delivery.

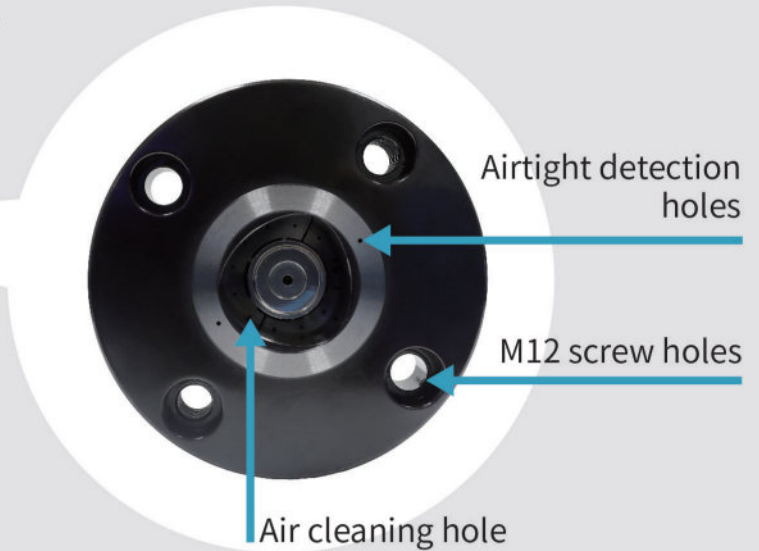
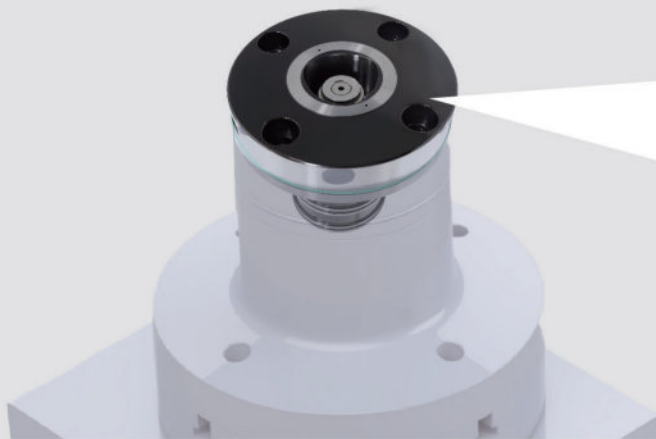


1 Available Type

Hydraulic Type:

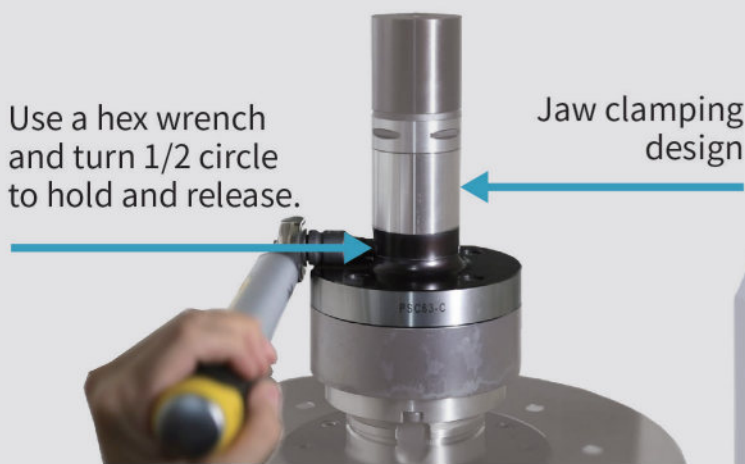
used for 4-axis and 5-axis rotary table.

Optimum for Automation



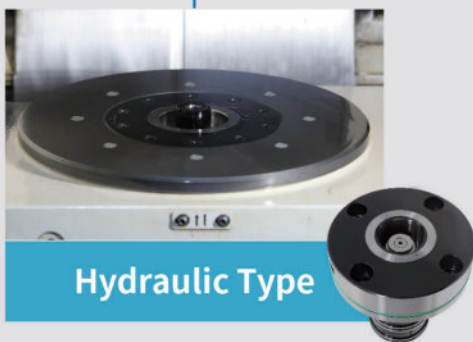
Manual Type:

used for CNC 3-axis machining center table and 4-axis and 5-axis rotary table.

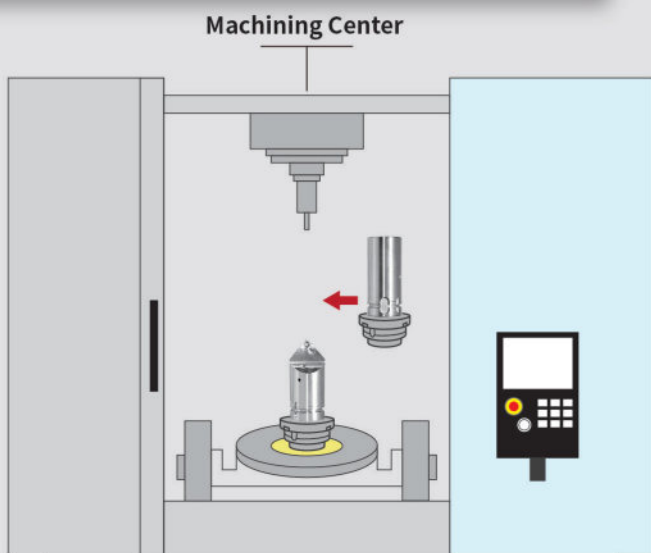




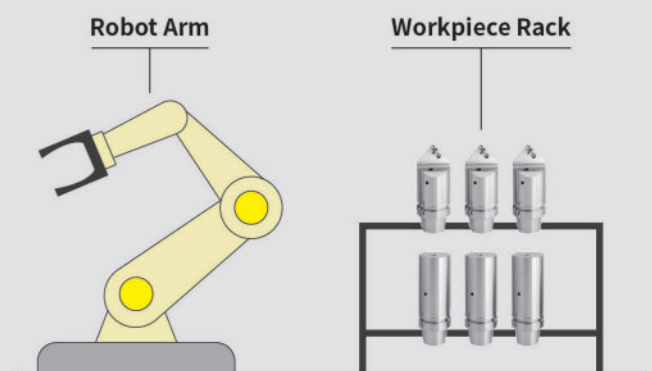
2 Application of PSC Workpiece Quick Change System



3 Support Automation System



► It's an indispensable choice to build automation system!

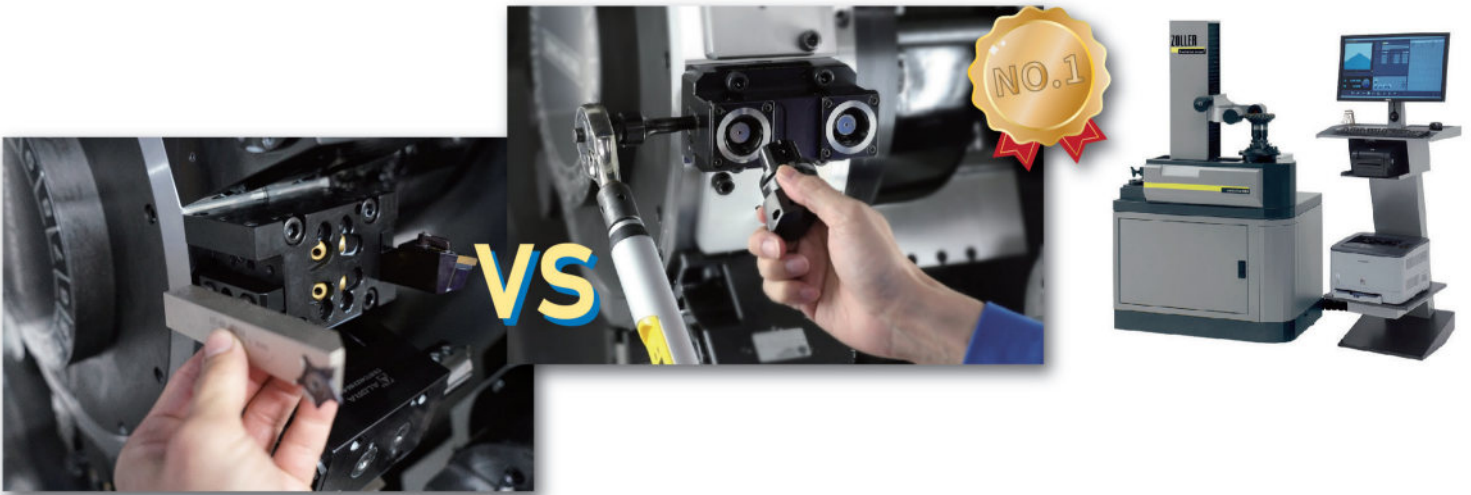




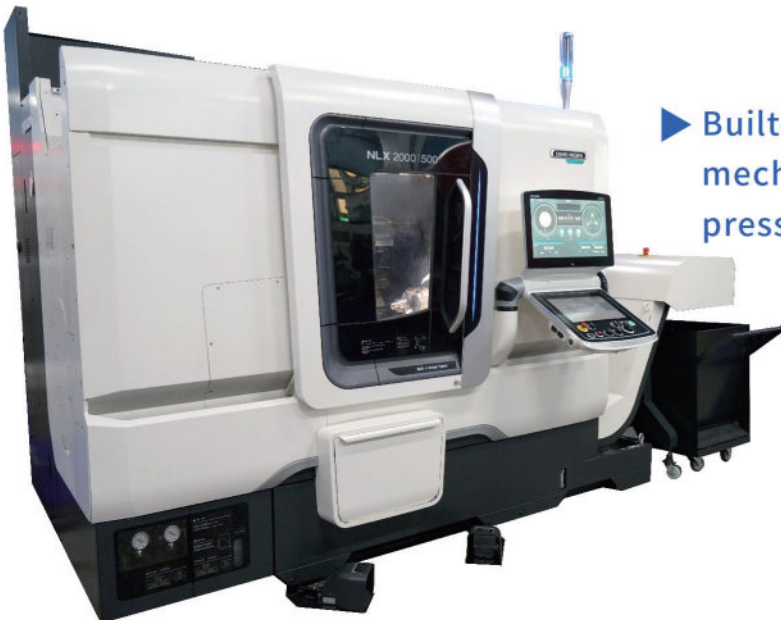
BMT STATIC TOOL HOLDER



- ▶ The jaw clamping design allows quick tool change and tool can be measured offline in advance, reducing downtime and improving processing efficiency.



- ▶ Applicable machine type: Turn-mill multitasking machine.
Applicable industry: Automation, electronics and spare parts industries.
- ▶ Clamping force is inspected individually before delivery.



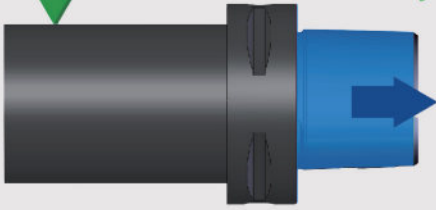
- ▶ Built-in with center coolant mechanism, and coolant pressure can be up to 70BAR.



► Used with the PSC taper tools, which have the features of bending strength, and superior repeat positioning accuracy.



High bending strength ensures dimensional stability during processing.



**PSC SERIES
ISO 26623-1**

► Suitable for turning and center hole drilling and tapping.



TURNING



PSC/DCLN



PSC/DTJN



PSC/DDJN



PSC/DWLN



PSC/PCLN



PSC/PDJN



PSC/SCLC



PSC/SDJC



PSC/SVJB



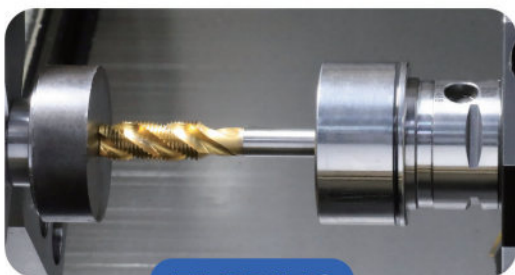
DRILLING



PSC/SPD
High Speed Drill



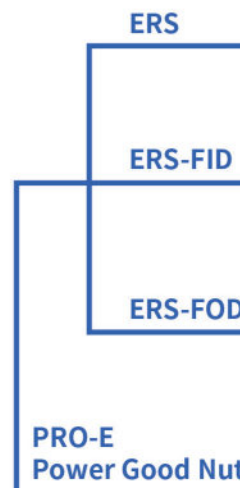
PSC/SFC
Shrink Fit Chuck



TAPPING



PSC/PRO-E
Collet Chuck

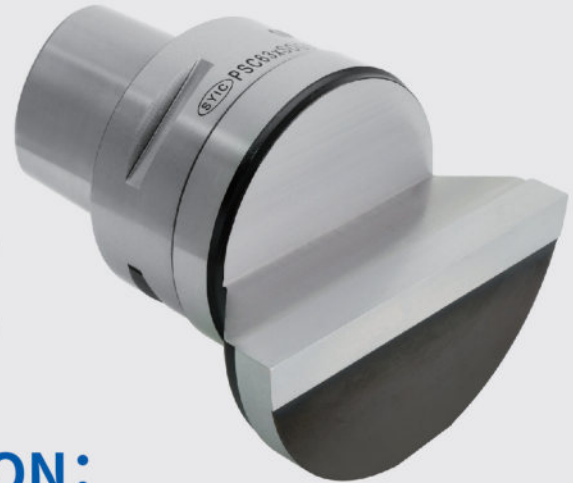


SOG SPINDLE ORIGIN GAUGE



- ▶ Regular inspection and calibration of spindle origin achieves premium machining quality.
- ▶ SOG is an important gauge to calibrate axial and radial accuracy of CNC machines.

AVAILABLE TAPER



100% GUARANTEED PRECISION:

Every SOG spindle origin gauge is inspected with high precision instrument and delivered with an inspection report. 100% quality guaranteed!



Inspection Report

MODEL NO :
 COMMODITY :
 TYPE :

ITEM EXAMINED	APPROVED TOLERANCE	TEST VALUE
R1	0.008	
Ø D	65 ± 0.3	
L	65 ± 0.1	
X	0 ± 0.02	
X1	45 ± 0.02	
X2	45 ± 0.02	
W1	30° ± 0' 30"	
W2	45° ± 0' 2"	

Operator : DATE :



ASSEMBLY DEVICE

TWO-WAY TYPE HSK-A



STABLE

- ▶ The body and tool pot are precisely machined, so it allows stable and firm mounting.
- ▶ The horizontal tool pot has a patented heightened design, making tool assembling and dismantling more stable.
- ▶ The quick positioning design helps users to quickly place HSK-A tool holders on HSK-A assembly device in a correct way.

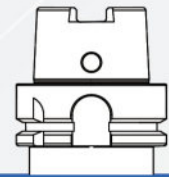
HIGH RIGIDITY

PATENT DESIGN

PAT NO.
TW M614470
TW M614781
CN ZL201922325128.6
CN ZL202120822487.7
CN ZL202120822431.1
JP 3233841
CN 202021103718
US 11440150

AVAILABLE TAPER

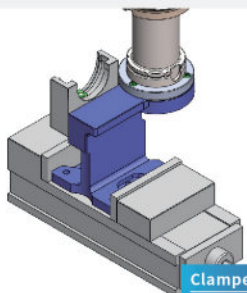
DIN 69893-A HSK-A



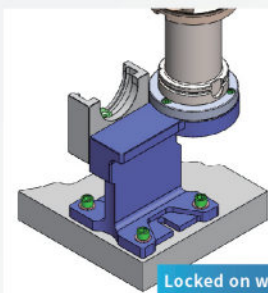
- ▶ Superior performance for installing and uninstalling accessories in long-reach or heavy holders.
- ▶ The crossbar design of vertical tool pot helps with tool holders positioning and prevents slippage.



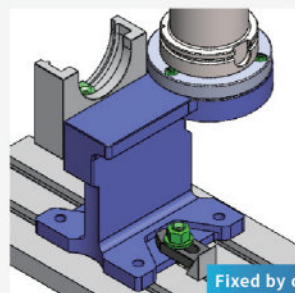
- ▶ Nodular-cast-iron base has strengthened rigidity.
- ▶ The design of bottom seat is patented, which can be fixed not only on the workbenches, but also in machines by vises or clamps.



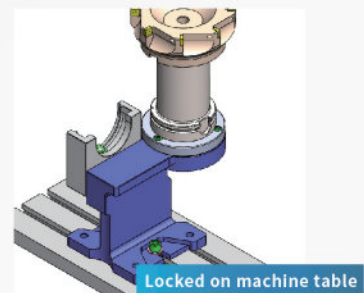
Clamped by vise



Locked on workbench



Fixed by clamp



Locked on machine table

PSC Interchangeable Type Live Center



ISO 26623-1

Bearing axial force (thrust force)
2,100 kgs

Bearing radial force (load capacity)
2,930 kgs

- Features of PSC POLYGONAL TAPER:
- ▶ Triple-face contact structure with the best bending strength.
 - ▶ Superior repeat positioning accuracy ($\pm 2\mu\text{m}$).

The special waterproof cap design can prevent the cutting fluid from penetrating the center to prolong the use life.

Max. revolution:
4,500 RPM

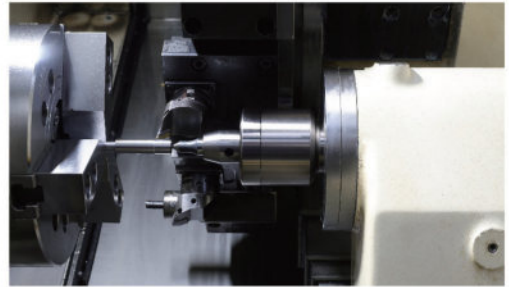
With the design of tip exchangeable. The runout accuracy of the PSC Live Center used with the tip is within $5\mu\text{m}$.

Tips are attached according to PSC Live Center type:

	Ø6	Ø8	Ø10	Ø12	Ø26	Ø32	Ø50	
LC50	●	●	●	●		●		●
LC68	●	●	●	●			●	●

Applicable machine types:

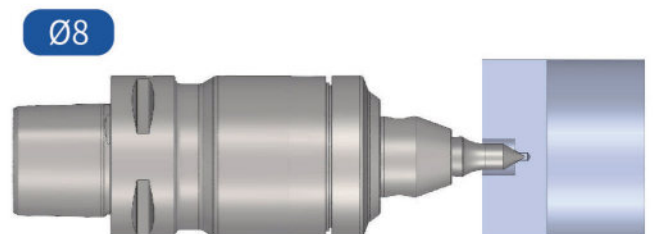
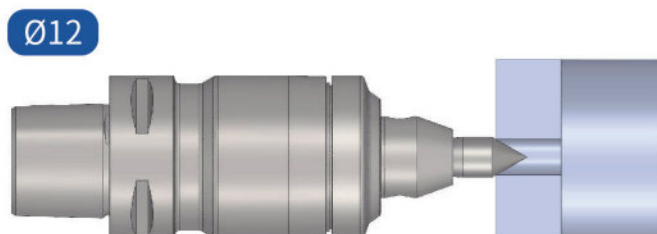
CNC lathe, Turn-mill multitasking machine, special purpose machine and 4/5-axis vertical machining machine with tailstock.



Applicable machining:

- ▶ Long shaft workpiece
- ▶ Medium & heavy turning
- ▶ Milling

PSC Live Center Application:



MEMO

Blank lined area for writing a memo.



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BT

TOOL HOLDER SYSTEM

P.A

CAT

TOOL HOLDER SYSTEM

P.B

DAT

TOOL HOLDER SYSTEM

P.C

SBT DualDRIVE+

TOOL HOLDER SYSTEM

P.D

SCAT DualDRIVE+

TOOL HOLDER SYSTEM

P.E

SDAT DualDRIVE+

TOOL HOLDER SYSTEM

P.F

HSK

TOOL HOLDER SYSTEM

P.G

PSC

POLYGONAL TAPER TOOL HOLDER

P.H

VDI

P.J

BMT

P.K

ISO

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P.L

NT & MT

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P.M

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SILENT DAMPING GENIUS CATEGORY










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▶ SDAT P.F-3~4	▶ HSK-A P.G-3~7	▶ CAT P.B-3	▶ SCAT P.E-5	▶ CAT P.B-4~5	▶ SCAT P.E-6~7
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▶ SBT P.D-17~18	▶ HSK-E P.G-62			▶ DAT P.C-12	▶ SDAT P.F-14
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				▶ PSC	P.H-81
				▶ ISO	P.L-8
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▶ BT	P.A-20	▶ SBT	P.D-28	▶ BT	P.A-21~23
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▶ CAT P.B-20	▶ SCAT P.E-21	▶ HSK-A P.G-33~34	▶ PSC P.H-89	▶ CAT P.B-21	▶ SCAT P.E-22
▶ DAT P.C-23	▶ SDAT P.F-23			▶ DAT P.C-24	▶ SDAT P.F-25
▶ HSK-A P.G-32	▶ PSC P.H-88			▶ HSK-A P.G-35~37	▶ PSC P.H-90~92
				▶ NT.MT P.M-8	




SLN SIDE LOCK END MILL HOLDER [JIS TYPE]		SLN SIDE LOCK END MILL HOLDER [FID TYPE]		SLN SIDE LOCK END MILL HOLDER [JIS-FID TYPE]	
					
▶ BT P.A-33~35	▶ SBT P.D-43~44	▶ BT P.A-36~37	▶ HSK-A P.G-39~40	▶ BT P.A-38~39	▶ HSK-A P.G-41
▶ HSK-A P.G-38					

SLNB SIDE LOCK END MILL HOLDER		FACE MILL ARBOR / FMA TYPE		FACE MILL AROBR FMA EXTENSION TYPE	
					
▶ HSK-A P.G-42		▶ BT P.A-40	▶ SBT P.D-45	▶ BT P.A-41	▶ SBT P.D-46
		▶ CAT P.B-22	▶ SCAT P.E-23		
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▶ HSK-A P.G-43~45	▶ PSC P.H-94				
▶ NT.MT P.M-9					




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▶ BT P.A-46~47	▶ SBT P.D-51~53	▶ BT P.A-48	▶ SBT P.D-54	▶ BT P.A-49	▶ HSK-A P.G-52
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▶ HSK-A P.G-46	▶ PSC P.H-95				

SCA-C SIDE CUTTER ADAPTER ADAPTER COOLANT TYPE		SCA SIDE CUTTER ADAPTER		SPH DRILL CHUCK ADAPTER	
					
▶ SBT P.D-58~59	▶ HSK-A P.G-50~51	▶ BT P.A-50~51	▶ SBT P.D-60~61	▶ BT P.A-52	▶ CAT P.B-25
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▶ DAT P.C-32	▶ HSK-A P.G-54	▶ CAT P.B-23	▶ SCAT P.E-24	▶ CAT P.B-24	▶ SCAT P.E-25
▶ NT.MT P.M-11		▶ DAT P.C-28	▶ SDAT P.F-28	▶ DAT P.C-29	▶ SDAT P.F-29
		▶ HSK-A P.G-47	▶ PSC P.H-96	▶ HSK-A P.G-48	▶ PSC P.H-97

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▶ SCAT P.E-26	▶ SDAT P.F-30	▶ DAT P.C-33		▶ DAT P.C-34	
▶ HSK-A P.G-49	▶ PSC P.H-98				

OHER OIL HOLE COLLET CHUCK		SOM SCREWED END MILL HOLDER		MTA MORSE TAPER ADAPTER	
					
▶ BT P.A-63	▶ CAT P.B-29	▶ BT P.A-64	▶ CAT P.B-30	▶ BT P.A-65	▶ SBT P.D-63
▶ DAT P.C-35		▶ DAT P.C-36	▶ HSK-A P.G-55	▶ CAT P.B-31	▶ SCAT P.E-27
		▶ SBT P.D-62		▶ DAT P.C-37	▶ SDAT P.F-31
				▶ HSK-A P.G-56	▶ NT.MT P.M-12

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MTB MORSE TAPER ADAPTER		ADAPTER		BLANK	
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▶ **BT** P.A-66 ▶ **SBT** P.D-64



▶ **BT** P.A-67 ▶ **SBT** P.D-65



▶ **BT** P.A-68 ▶ **SBT** P.D-66

▶ **CAT** P.B-32 ▶ **SCAT** P.E-28

▶ **CAT** P.B-33 ▶ **SCAT** P.E-29

▶ **DAT** P.C-38 ▶ **SDAT** P.F-32

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▶ **PSC** P.H-102~103 ▶ **HSK-A** P.G-89

▶ **PSC** P.H-104~105 ▶ **HSK-E** P.G-65

▶ **NT.MT** P.M-13 ▶ **HSK-T** P.G-89

▶ **VDI** P.J-4 ▶ **HSK-F** P.G-71

▶ **HSK-T** P.G-90

EXTERNAL TURNING TOOL		SLT SIDE LOCK HOLDER		SLD SIDE LOCK HOLDER	
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▶ **HSK-T** P.G-74~84 ▶ **PSC** P.H-10~50



▶ **HSK-T** P.G-85 ▶ **PSC** P.H-55



▶ **HSK-T** P.G-86

EXTERNAL TURNING TOOL HOLDER		INTERNAL BORING BAR		INDEXABLE END MILL CUTTER	
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▶ **PSC** P.H-56~58









▶ **PSC** P.H-59~62



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PSC / SPD HIGH SPEED DRILL		SFC SHRINK FIT CHUCK		SFCT SHRINK FIT CHUCK	
					
▶ PSC	P.H-63~64	▶ BT	P.Q-5~9	▶ SBT	P.Q-26~30
		▶ CAT	P.Q-17~20	▶ SCAT	P.Q-35~38
		▶ DAT	P.Q-21~25	▶ SDAT	P.Q-41~44
		▶ HSK-A	P.Q-46~54	▶ HSK-E	P.Q-59~64
		▶ HSK-F	P.Q-71~73	▶ PSC	P.Q-76~78
		▶ ISO	P.Q-80~81		
				▶ BT	P.Q-10~16
				▶ HSK-A	P.Q-55~56
				▶ HSK-F	P.Q-74
				▶ SBT	P.Q-31~32
				▶ HSK-E	P.Q-65~68







SFC SHRINK FIT CHUCK [CUL TYPE]		SFC SHRINK FIT CHUCK WITH CP COOLANT HOLE		SFCT SHRINK FIT CHUCK WITH CP COOLANT HOLE	
					
▶ SBT	P.Q-33~34	▶ HSK-E	P.Q-69	▶ BT	P.Q-82~83
▶ SCAT	P.Q-39~40	▶ HSK-F	P.Q-75	▶ CAT	P.Q-86~89
▶ SDAT	P.Q-45	▶ PSC	P.Q-79	▶ DAT	P.Q-90~94
▶ HSK-A	P.Q-57~58			▶ HSK-A	P.Q-110~113
				▶ SBT	P.Q-95~99
				▶ SCAT	P.Q-102~105
				▶ SDAT	P.Q-106~109
				▶ PSC	P.Q-114~115
				▶ BT	P.Q-84~85
				▶ SBT	P.Q-100~101

MFC SHRINK FIT CHUCK		SFS SLIM-FIT COLLET CHUCK		BORING HEAD SHANK SET	
					
▶ HSK-E	P.Q-70	▶ BT	P.Q-116~117	▶ SDAT	P.Q-118
		▶ CAT	P.Q-117	▶ HSK-A	P.Q-119
		▶ DAT	P.Q-117	▶ HSK-E	P.Q-119
		▶ SBT	P.Q-116~118	▶ HSK-F	P.Q-119
		▶ SCAT	P.Q-118	▶ PSC	P.Q-119
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				▶ CAT	P.R-10
				▶ DAT	P.R-10
				▶ NT	P.R-10

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BORING HEAD SHANK [MCK]		NBH BORING HEAD SHANK		BST BORING HEAD SHANK	
					
▶ BT P.R-28~32	▶ SBT P.R-35~38	▶ BT P.R-48	▶ DAT P.R-49	▶ BT P.R-47	▶ DAT P.R-47
▶ CAT P.R-33	▶ SCAT P.R-39				
▶ DAT P.R-34	▶ SDAT P.R-40				
▶ HSK-A P.R-41~42	▶ PSC P.R-43~44				
PRECISION BORING HEAD SHANK		PRECISION BORING HEAD SHANK SET		BYB BORING HEAD SHANK	
					
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▶ NT P.R-49		▶ C P.R-50	▶ NT P.R-50		
		▶ MTB P.R-50			
SQUARE CUTTER BORING BAR TYPE : 45°		SQUARE CUTTER BORING BAR TYPE : 90°		SHG ANGLE HEAD HOLDER	
					
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				▶ CAT	PS-7
				▶ BT	PS-8~12
				▶ SBT	PS-8~12
				▶ CAT	PS-8~12
				▶ SCAT	PS-8~12
				▶ DAT	PS-8~12
				▶ SDAT	PS-8~12
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▶ BT	PS-13、16 18、20	▶ SBT	PS-14、15 17、19、21	▶ BT	PS-22、24 26、29、31
				▶ SBT	PS-23、25 27、28、30、32
▶ CAT	PS-13、16 18、20	▶ SCAT	PS-14、17 19、21	▶ CAT	PS-22、24 26、29、31
				▶ SCAT	PS-27、30、32
▶ DAT	PS-13、16 18、20	▶ SDAT	PS-14、17 19、21	▶ DAT	PS-22、24 26、29、31
				▶ SDAT	PS-27、30、32
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				▶ BT	PS-33、36
				▶ SBT	PS-34、37
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MANUAL TYPE WORKPIECE QUICK CHANGE SYSTEM	FLANGE	FMH-SDG FACE MILL ARBOR
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▶ **PSC** P.U-3



▶ **PSC** P.V-3 ▶ **FLG** P.V-4~5



▶ **RBT** P.W-2~3 ▶ **HSK** P.W-4~5
▶ **PSC** P.W-6

SPRO - SDG COLLET CHUCK	PMB DAMPING FINISH BORING HEAD	SRBH-LA DAMPING TWIN-BIT ROUGH BORING HEAD
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▶ **RBT** P.W-7 ▶ **HSK** P.W-8
▶ **PSC** P.W-9



▶ **PSC** P.W-10



▶ **SRBH-LA** P.W-12

SCBH DAMPING FINISH BORING HEAD	SLBK DAMPING EXTENSION SPACER	SLBK DAMPING BORING HEAD SHANK
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▶ **SCBH** P.W-13




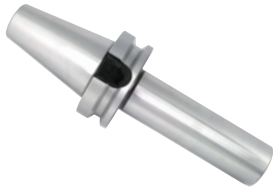

▶ **SLBK** P.W-14



▶ **BT** P.W-15



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▶ CAT	P.X-3	▶ ISO	P.X-3	▶ SCAT	P.X-5	▶ HSK-A	P.X-6	▶ SBT	P.X-11	▶ SCAT	P.X-11
▶ DAT	P.X-3	▶ ER	P.X-4	▶ SDAT	P.X-5	▶ HSK-E	P.X-7	▶ SDAT	P.X-11		
▶ MTB	P.X-3			▶ VDI	P.X-8	▶ HSK-F	P.X-7				
				▶ BMT	P.X-9						

ATC ALIGNMENT TOOL SET



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EBL COLLET CHUCK FULL SET



► **BT.CAT.DAT** |

P.Y-11

MEMO

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MEMO

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