

INDEX

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

ISO

TOOL HOLDER SYSTEM

P.J

NT & MT

TOOL HOLDER SYSTEM

P.K

SHRINK FIT & SHRINK FIT CHUCK

P.L

BORING SERIES

P.M

HBL

HBL COLLET CHUCK + HLB FACE CONTACT TYPE CUTTING TOOLS

P.N

STA

SYNCHRONIZED TAPPING HOLDER

P.Q

SAF

RUNOUT ADJUSTABLE HOLDER

P.R

ANGLE HEAD HOLDERS

P.S

STRAIGHT SHANK TOOL HOLDER

P.T

VDI

P.V

ACCESSORIES

P.W

COMPLETE KIT SERIES

P.X

TECHNICAL INFORMATION

P.Y












INDEX

PNER COLLET CHUCK		PTER COLLET CHUCK		UT COLLET CHUCK							
											
▶ BT	P.A-3~4	▶ SBT	P.D-3~4	▶ BT	P.A-5~6	▶ SBT	P.D-5~7	▶ BT	P.A-7~9	▶ SBT	P.D-8~10
▶ CAT	P.B-3	▶ SCAT	P.E-3	▶ SCAT	P.E-4	▶ HSK-A	P.G-5~6	▶ CAT	P.B-4	▶ SCAT	P.E-5
▶ DAT	P.C-3	▶ SDAT	P.F-3	▶ HSK-E	P.G-41	▶ PSC	P.H-29~30	▶ DAT	P.C-4~5	▶ SDAT	P.F-4~5
▶ HSK-A	P.G-3~4	▶ PSC	P.H-28					▶ HSK-A	P.G-7	▶ PSC	P.H-31~32
ER COLLET CHUCK		ER-M COLLET CHUCK		SKX COLLET CHUCK							
											
▶ BT	P.A-10~12	▶ SBT	P.D-11~13	▶ BT	P.A-13~14	▶ SBT	P.D-14~15	▶ SBT	P.D-16~18	▶ HSK-A	P.G-11~12
▶ CAT	P.B-5~6	▶ SCAT	P.E-6~7	▶ CAT	P.B-7	▶ SCAT	P.E-8	▶ SCAT	P.E-9~10	▶ HSK-E	P.G-43
▶ DAT	P.C-6~8	▶ SDAT	P.F-6~7	▶ DAT	P.C-9~10	▶ SDAT	P.F-8	▶ SDAT	P.F-9~10	▶ HSK-F	P.G-48
▶ HSK-A	P.G-8~10	▶ HSK-E	P.G-42					▶ PSC	P.H-34		
▶ HSK-F	P.G-46~47	▶ PSC	P.H-33								
▶ ISO	P.J-3	▶ NT.MT	P.K-3								
SK3 COLLET CHUCK		SKS COLLET CHUCK		SBL SLIM-FIT COLLET CHUCK							
											
▶ BT	P.A-15~16	▶ SBT	P.D-19~20	▶ BT	P.A-17~18	▶ SBT	P.D-21~23	▶ BT	P.A-19~20	▶ SBT	P.D-24
▶ CAT	P.B-8	▶ SCAT	P.E-11	▶ CAT	P.B-9	▶ SCAT	P.E-12	▶ CAT	P.B-10	▶ SCAT	P.E-13
▶ DAT	P.C-11~12	▶ SDAT	P.F-11	▶ DAT	P.C-13~14	▶ SDAT	P.F-12	▶ DAT	P.C-15	▶ SDAT	P.F-13
▶ HSK-A	P.G-13	▶ HSK-E	P.G-44	▶ HSK-A	P.G-14~15	▶ PSC	P.H-36	▶ HSK-A	P.G-16	▶ PSC	P.H-37
▶ PSC	P.H-35			▶ ISO	P.J-4			▶ ISO	P.J-5		










INDEX

SBLC SLIM-FIT COLLET CHUCK		EBL SLIM-FIT COLLET CHUCK		MLD MULTI-LOCK MILLING CHUCK	
					
▶ BT P.A-21~22	▶ SBT P.D-25	▶ BT P.A-23	▶ SBT P.D-26	▶ BT P.A-24~26	▶ SBT P.D-27~29
▶ CAT P.B-11	▶ SCAT P.E-14	▶ CAT P.B-12	▶ SCAT P.E-15	▶ CAT P.B-13	▶ SCAT P.E-16
▶ DAT P.C-16	▶ SDAT P.F-14	▶ DAT P.C-17	▶ SDAT P.F-15	▶ DAT P.C-18	▶ SDAT P.F-16
▶ HSK-A P.G-17	▶ PSC P.H-38	▶ HSK-A P.G-18	▶ PSC P.H-39	▶ HSK-A P.G-19~20	▶ PSC P.H-40~41
▶ ISO P.J-6		▶ ISO P.J-7		▶ NT.MT P.K-4	
EOC COLLET CHUCK		TG COLLET CHUCK		SLN SIDE LOCK END MILL HOLDER	
					
▶ BT P.A-27	▶ CAT P.B-14	▶ BT P.A-28	▶ CAT P.B-15	▶ BT P.A-29~31	▶ SBT P.D-30~34
▶ DAT P.C-19	▶ HSK-A P.G-21	▶ DAT P.C-20	▶ NT.MT P.K-6	▶ CAT P.B-16	▶ SCAT P.E-17
▶ NT.MT P.K-5				▶ DAT P.C-21	▶ SDAT P.F-17
				▶ HSK-A P.G-22~24	▶ PSC P.H-42~44
				▶ NT.MT P.K-7	
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-32~33	▶ SBT P.D-35~36	▶ BT P.A-34~35	▶ HSK-A P.G-26~27	▶ BT P.A-36~37	▶ HSK-A P.G-28
▶ HSK-A P.G-25					

INDEX

SLNB SIDE LOCK END MILL HOLDER	FACE MILL ARBOR / FMA TYPE	FACE MILL ARBOR / EXTENSION TYPE
 <p>▶ HSK-A P.G-29</p>	 <p>▶ BT P.A-38 ▶ SBT P.D-37 ▶ CAT P.B-17 ▶ SCAT P.E-18 ▶ PSC P.H-45 ▶ NT P.K-8</p>	 <p>▶ BT P.A-39 ▶ SBT P.D-38</p>
FACE MILL ARBOR / FMB TYPE	FACE MILL ARBOR / EXTENSION TYPE	FACE MILL ARBOR / LIGHT WEIGHT TYPE
 <p>▶ BT P.A-40~41 ▶ SBT P.D-39~40 ▶ DAT P.C-22~23 ▶ SDAT P.F-18 ▶ HSK-A P.G-30~31 ▶ PSC P.H-46 ▶ NT P.K-8</p>	 <p>▶ BT P.A-42 ▶ SBT P.D-41</p>	 <p>▶ BT P.A-43</p>
FACE MILL ARBOR / FMC TYPE	SMA FACE MILL ARBOR	CSR COMBI SHELL END MILL ARBOR
 <p>▶ BT P.A-44~45 ▶ SBT P.D-42~44 ▶ DAT P.C-24 ▶ SDAT P.F-19 ▶ HSK-A P.G-32 ▶ PSC P.H-47</p>	 <p>▶ BT P.A-46 ▶ SBT P.D-45</p>	 <p>▶ BT P.A-47 ▶ HSK-A P.G-33 ▶ DAT P.C-25 ▶ NT P.K-9</p>

INDEX

SIDE CUTTER ADAPTER		SPH DRILL CHUCK ADAPTER		SPU DRILL CHUCK ADAPTER	
					
▶ BT	P.A-48~49	▶ SBT	P.D-46~47	▶ BT	P.A-50
▶ PSC	P.H-48	▶ DAT	P.C-26	▶ CAT	P.B-18
				▶ HSK-A	P.G-34
				▶ BT	P.A-51
				▶ CAT	P.B-19
				▶ DAT	P.C-27
				▶ HSK-A	P.G-35
				▶ NT.MT	P.K-10
JTA DRILL CHUCK ARBOR		QUICK CHANGE TAPPING CHUCK		EXPANSION ER TAPPER	
					
▶ BT	P.A-52	▶ CAT	P.B-20	▶ BT	P.A-57
▶ DAT	P.C-28	▶ NT	P.K-11	▶ CAT	P.B-21
				▶ DAT	P.C-29
SIDE LOCK OIL HOLE HOLDER		OTHER OIL HOLE COLLET CHUCK		SOM SCREWED END MILL HOLDER	
					
▶ BT	P.A-58	▶ CAT	P.B-22	▶ BT	P.A-60
▶ DAT	P.C-30	▶ DAT	P.C-31	▶ CAT	P.B-23
				▶ BT	P.A-60
				▶ CAT	P.B-24
				▶ DAT	P.C-32
				▶ HSK-A	P.G-36










INDEX

MTA MORSE TAPER ADAPTER		MTB MORSE TAPER ADAPTER		ADAPTER	
					
▶ BT	P.A-61	▶ SBT	P.D-48	▶ BT	P.A-63
▶ CAT	P.B-25	▶ SCAT	P.E-19	▶ CAT	P.B-26
▶ DAT	P.C-33	▶ SDAT	P.F-20	▶ DAT	P.C-34
▶ HSK-A	P.G-37	▶ NT.MT	P.K-12	▶ HSK-A	P.G-38
				▶ NT.MT	P.K-13
BLANK		EXTERNAL TURNING TOOL		SLT SIDE LOCK HOLDER	
					
▶ BT	P.A-64	▶ SBT	P.D-51	▶ HSK-T	P.G-51~55
▶ CAT	P.B-27	▶ SCAT	P.E-21	▶ PSC	P.H-7~16
▶ DAT	P.C-35	▶ HSK-A	P.G-39	▶ HSK-T	P.G-56
▶ PSC	P.H-51	▶ VDI	P.V-4		
SLD SIDE LOCK HOLDER		EXTERNAL TURNING TOOL HOLDER		INTERNAL BORING BAR	
					
▶ HSK-T	P.G-57	▶ HSK-T	P.G-57~59	▶ PSC	P.H-17~18
		▶ PSC	P.H-19~21	▶ PSC	P.H-19~21





INDEX

INDEXABLE END MILL CUTTER	SFC SHRINK FIT CHUCK	SFC SHRINK FIT CHUCK [CUL TYPE]
 <ul style="list-style-type: none"> ▶ PSC P.H-22~25 	 <ul style="list-style-type: none"> ▶ BT P.L-6~17 ▶ CAT P.L-18~21 ▶ DAT P.L-22~26 ▶ HSK-A P.L-47~57 ▶ HSK-F P.L-71~74 ▶ ISO P.L-80~81 ▶ SBT P.L-27~33 ▶ SCAT P.L-36~39 ▶ SDAT P.L-42~45 ▶ HSK-E P.L-60~69 ▶ PSC P.L-76~78 	 <ul style="list-style-type: none"> ▶ SBT P.L-34~35 ▶ SCAT P.L-40~41 ▶ SDAT P.L-46 ▶ HSK-A P.L-58~59 ▶ HSK-E P.L-70 ▶ HSK-F P.L-75 ▶ PSC P.L-79
SFC SHRINK FIT CHUCK WITH CP COOLANT HOLE	BORING HEAD SHANK SET	BORING HEAD SHANK [SCK.MCK]
 <ul style="list-style-type: none"> ▶ BT P.L-82~85 ▶ CAT P.L-86~89 ▶ DAT P.L-90~94 ▶ HSK-A P.L-110~113 ▶ SBT P.L-95~101 ▶ SCAT P.L-102~105 ▶ SDAT P.L-106~109 ▶ PSC P.L-114~115 	 <ul style="list-style-type: none"> ▶ BT P.M-9~10 ▶ C P.M-9 ▶ NT P.M-9 ▶ DAT P.M-9 ▶ R8 P.M-9 	 <ul style="list-style-type: none"> ▶ BT P.M-19~26 ▶ CAT P.M-27~28 ▶ DAT P.M-29~30 ▶ HSK-A P.M-42~45 ▶ SBT P.M-31~37 ▶ SCAT P.M-38~39 ▶ SDAT P.M-40~41 ▶ PSC P.M-46~48
NBH BORING HEAD SHANK	BST BORING HEAD SHANK	PRECISION BORING HEAD SHANK
 <ul style="list-style-type: none"> ▶ BT P.M-54 ▶ DAT P.M-55 	 <ul style="list-style-type: none"> ▶ BT P.M-53 ▶ DAT P.M-53 	 <ul style="list-style-type: none"> ▶ BT P.M-56~57 ▶ C P.M-56 ▶ MTB P.M-56 ▶ DAT P.M-56 ▶ R8 P.M-56 ▶ NT P.M-56

INDEX

BYB BORING HEAD SHANK		SQUARE CUTTER BORING BAR		SQUARE CUTTER BORING BAR	
					
▶ BT	P,M-59	▶ BT	P,M-60	▶ BT	P,M-61
HBL SLIM-FIT COLLET CHUCK		STA SYNCHRONIZED TAPPING HOLDER		SAF RUNOUT ADJUSTABLE HOLDER	
					
▶ BT	P,N-2	▶ SBT	P,N-5	▶ BT	P,Q-2~5
▶ CAT	P,N-3	▶ SCAT	P,N-6	▶ SBT	P,Q-12~15
▶ DAT	P,N-4	▶ SDAT	P,N-7	▶ CAT	P,Q-6~8
▶ HSK-A	P,N-8	▶ PSC	P,N-9	▶ SCAT	P,Q-16~18
				▶ DAT	P,Q-9~11
				▶ SDAT	P,Q-19~21
				▶ HSK-A	P,Q-22~25
				▶ PSC	P,Q-26~29
				▶ SAF	P,R-2~5
				▶ SBT	P,R-14~17
				▶ CAT	P,R-6~9
				▶ SCAT	P,R-18~21
				▶ DAT	P,R-10~13
				▶ SDAT	P,R-22~25
				▶ HSK-A	P,R-26~30
				▶ PSC	P,R-31~34
STA SYNCHRONIZED TAPPING HOLDER BODY		SAF RUNOUT ADJUSTABLE HOLDER BODY		SAG-D ANGLE HEAD HOLDER	
					
▶ BT	P,Q-34	▶ SBT	P,Q-35	▶ BT	P,S-2
▶ CAT	P,Q-34	▶ SCAT	P,Q-35	▶ SBT	P,S-2
▶ DAT	P,Q-34	▶ SDAT	P,Q-35		
▶ HSK-A	P,Q-34	▶ PSC	P,Q-34		

INDEX

SAU ANGLE HEAD HOLDER				SAR ANGLE HEAD HOLDER				SAC ANGLE HEAD HOLDER			
											
▶ BT	P.S-3	▶ CAT	P.S-3	▶ BT	P.S-4~7	▶ SBT	P.S-4~7	▶ BT	P.S-8~17	▶ SBT	P.S-8~17
				▶ CAT	P.S-4~7	▶ SCAT	P.S-4~7	▶ CAT	P.S-8~17	▶ SCAT	P.S-8~17
				▶ DAT	P.S-4~7	▶ SDAT	P.S-4~7	▶ DAT	P.S-8~17	▶ SDAT	P.S-8~17
								▶ HSK	P.S-8~17		
SAM ANGLE HEAD HOLDER				SAG ANGLE HEAD HOLDER				SAD ANGLE HEAD HOLDER			
											
▶ BT	P.S-18~27	▶ SBT	P.S-18~27	▶ BT	P.S-28~29	▶ SBT	P.S-30~31	▶ HSK	P.S-33	▶ SBT	P.S-33
▶ CAT	P.S-18~27	▶ SCAT	P.S-18~27	▶ HSK	P.S-32						
▶ DAT	P.S-18~27	▶ SDAT	P.S-18~27								
▶ HSK	P.S-18~27										
SPINDLE TEST BAR				SPINDLE MASTER BAR							
											
▶ BT	P.W-2	▶ HSK-A	P.W-2	▶ SBT	P.W-4	▶ HSK-F	P.W-4				
▶ CAT	P.W-2	▶ VDI	P.W-3	▶ SCAT	P.W-4	▶ PSC	P.W-4				
▶ DAT	P.W-2	▶ ER	P.W-3	▶ HSK-A	P.W-4						
▶ MTB	P.W-2			▶ HSK-E	P.W-4						