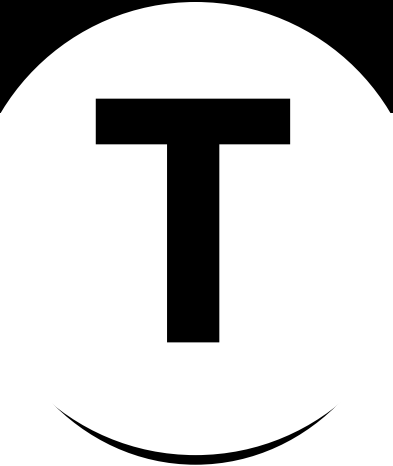


INDEX



T

T2 - T10

Listed in Alphanumeric Order

Part Numbers in Alphanumeric Order

○ : NUMBER □ : LETTER

Part Number	Page	Description
Numeric		
556C%	P8	Spare Parts (Shim)
○-○○/○○- (○○K)-SET	K3	Toolholder (API Ring Groover)
A		
AJ- ○×○○(-○.○)	P2	Spare Parts (Adjustment Screw / Chamfering Attachment)
AJ-412	C16	Spare Parts (Adjustment Screw)
AP-1416	H20-H21	Spare Parts (Cam Pin)
AP-1820	H20-H21	Spare Parts (Cam Pin)
APET ○○○○PDR	B25	Insert (Milling)
APET ○○○○○○	B25	Insert (Milling)
API-RG-○ BT○○	K3	Body Part (API Ring Groovers)
API-RG-○ CV○○	K3	Body Part (API Ring Groovers)
API-RG-○ DIN-○○○○○	K3	Body Part (API Ring Groovers)
API-RG-○ NMTB○○	K3	Body Part (API Ring Groovers)
APKT ○○○○(○)PDR-V	B18	Insert (Milling)
APMT ○○○○○○E%-NB○	B18	Insert (Milling)
APMT ○○○○○○ER-NBOP	B18	Insert (Milling)
B		
BCS- ○	P13	Spare Parts (Clamp Set)
BDGT ○○(□)○○○(○)FR-JA	B18	Insert (Milling)
BDMT ○○(□)○○○(○)ER-JS	B18	Insert (Milling)
BDMT ○○(□)○○○(○)ER-JT	B18-B19	Insert (Milling)
BDMT ○○(□)○○○(○)ER-NO	B19	Insert (Milling)
BDMT ○○(□)○○○(○)FR	B26	Insert (Milling)
BH3X6	P2	Spare Parts (Screw)
BH3X12	P2	Spare Parts (Screw)
BH6X25	P2	Spare Parts (Screw)
BH8X30	P2	Spare Parts (Screw)
BH6X10TR	P2	Spare Parts (Screw)
BX ○○○-SET	K3	Cartridge Set (API Ring Groover)
BX ○○○-R-SET	K3	Cartridge Set (API Ring Groover)
C		
C09N	C10, C12, P15	Spare Parts (Clamp)
C17R	P15	Spare Parts (Clamp)
C20R	P15	Spare Parts (Clamp)
C25R	P15	Spare Parts (Clamp)
C43R	C19	Spare Parts (Clamp)
C44R	C19	Spare Parts (Clamp)
C90SD ○○○○-12%	H20-H21	Spare Parts (Cartridge)
C90SP ○○○○-10%	H20-H21	Spare Parts (Cartridge)
C91R	E48	Spare Parts (Clamp)
C92R	E48	Spare Parts (Clamp)
CB-11	P16	Spare Parts (Chipbreaker)
CB-12	P16	Spare Parts (Chipbreaker)
CB-13	P16	Spare Parts (Chipbreaker)
CB-14	P16	Spare Parts (Chipbreaker)
CB-15	P16	Spare Parts (Chipbreaker)
CB-16	P16	Spare Parts (Chipbreaker)
CB-17	P16	Spare Parts (Chipbreaker)
CB-51	P16	Spare Parts (Chipbreaker)
CB-S3220	P16	Spare Parts (Chipbreaker)
CB-S4220	P16	Spare Parts (Chipbreaker)
CB-T2212	P16	Spare Parts (Chipbreaker)
CB-T3220	P16	Spare Parts (Chipbreaker)
CE-010	P13	Spare Parts (Clamp Set)
CE-020	P13	Spare Parts (Clamp Set)
CE-030	P13	Spare Parts (Clamp Set)
CE-030A	P13	Spare Parts (Clamp Set)
CE-040	P13	Spare Parts (Clamp Set)

Part Number	Page	Description
CE-111	P15	Spare Parts (Clamp)
CE-121	P15	Spare Parts (Clamp)
CE-131	P15	Spare Parts (Clamp)
CE-141	P15	Spare Parts (Clamp)
CE-220	P13	Spare Parts (Clamp Set)
CE-320	P13	Spare Parts (Clamp Set)
CE-360S	P13	Spare Parts (Clamp Set)
CE-410	P13	Spare Parts (Clamp Set)
CE-430	P13	Spare Parts (Clamp Set)
CEM ○○○○-OW(-7.5)	E75	End Mill
CGA-3%	P15	Spare Parts (Clamp)
CGA-4%	P15	Spare Parts (Clamp)
CGA-5%	P15	Spare Parts (Clamp)
CGB%	P15	Spare Parts (Clamp)
CGH-1%	P15	Spare Parts (Clamp)
CGH-2%	P15	Spare Parts (Clamp)
CGH-3%	P15	Spare Parts (Clamp)
CGIA-3R	P15	Spare Parts (Clamp)
CGIA-4R	P15	Spare Parts (Clamp)
CGIA-5R	P15	Spare Parts (Clamp)
CH-20R	C22, P15	Spare Parts (Clamp)
CL63-1	P19	Spare Parts (Coolant Pipe)
CL100-1	P19	Spare Parts (Coolant Pipe)
CM ○○○○-○○(○)	K5	End Mill (Chamfering)
CM ○○○○-○○-○○	K5	End Mill (Chamfering)
CM ○○○○-○○-AL	K5	End Mill (Chamfering)
CP-2D	P16	Spare Parts (Clamp)
CP-3D	P16	Spare Parts (Clamp)
CP-5D	P16	Spare Parts (Clamp)
CP-8TE	E49, P16	Spare Parts (Clamp)
CP-8W	E49, P16	Spare Parts (Clamp)
CP-RC%	P13	Spare Parts (Clamp Set)
CP8X15TL	C18, P2	Spare Parts (Screw)
CP8X23TL	C18, P2	Spare Parts (Screw)
CPS-1	P14	Spare Parts (Clamp Set)
CPS-2	P14	Spare Parts (Clamp Set)
CPS-2P	P14	Spare Parts (Clamp Set)
CPS-2S	E49, E69, P14	Spare Parts (Clamp Set)
CPS-2TR	E66, P14	Spare Parts (Clamp Set)
CPS-3	E49, P14	Spare Parts (Clamp Set)
CPS-4V	P14	Spare Parts (Clamp Set)
CPS-5E	E69, P14	Spare Parts (Clamp Set)
CPS-5F	K12, P14	Spare Parts (Clamp Set)
CPS-5%	P14	Spare Parts (Clamp Set)
CPS-5S	P14	Spare Parts (Clamp Set)
CPS-5V	P14	Spare Parts (Clamp Set)
CPS-6F	K12, P14	Spare Parts (Clamp Set)
CPS-6M	D8, P14	Spare Parts (Clamp Set)
CPS-6S	P14	Spare Parts (Clamp Set)
CPS-6V	K14, P14	Spare Parts (Clamp Set)
CPS-8V	P14	Spare Parts (Clamp Set)
CS-2D	P2	Spare Parts (Screw)
CS-3D	P2	Spare Parts (Screw)
CS-5D	P2	Spare Parts (Screw)
D		
DCMT ○○○○HQ	B25, K4	API Insert (Ring Grooving)
DCMT ○○○○CQ	B25, K4	API Insert (Ring Grooving)
DC-42	P8	Spare Parts (Shim)
DC-44	P8	Spare Parts (Shim)
DD-42	P8	Spare Parts (Shim)
DD-42-16	P8	Spare Parts (Shim)
DD-43	P8	Spare Parts (Shim)

T INDEX

Part Numbers in Alphanumeric Order

○ : NUMBER □ : LETTER

Part Number	Page	Description
DD-44	P8	Spare Parts (Shim)
DMC ○○○	E65	End Mill
DMC ○○○H	E67	End Mill
DMC ○○○SX	E66	End Mill
DMC ○○○SXT	E66	End Mill
DMC ○○○SX-○○○	E66	End Mill
DMC ○○○-○○○	E65	End Mill
DN10	P19	Spare Parts (Nozzle)
DN20	P19	Spare Parts (Nozzle)
DR ○○-○○	H5	Spare Parts (Drive-Ring)
DR ○○-○○□	H5	Spare Parts (Drive-Ring)
DR ○○○○-○○○○	H4	Spare Parts (Drive-Ring)
DR ○○○○-○○○○□	H4	Spare Parts (Drive-Ring)
DS-42	P8	Spare Parts (Shim)
DS-44	P8	Spare Parts (Shim)
DT-7	K8, P17	Spare Parts (Torx Wrench / Screwdriver Type)
DT-8	E74, G2, G6, J2, K10, P17	Spare Parts (Torx Wrench / Screwdriver Type)
DT-10	C23, E51, G2, G6, J2, J22-J23, K6, K8, K10, P17	Spare Parts (Torx Wrench / Screwdriver Type)
DT-15	D5, E56, E59, E61, E74, G2, G6, J2, J22-J23, K10, P17	Spare Parts (Torx Wrench / Screwdriver Type)
DT-20	E51, E68, J2, J22-J23, P17	Spare Parts (Torx Wrench / Screwdriver Type)
DT-25	J23, P17	Spare Parts (Torx Wrench / Screwdriver Type)
DT-32	P8	Spare Parts (Shim)
DT-42	P8	Spare Parts (Shim)
DTM-6	E24-E25, G2, G6, P17	Spare Parts (Torx Wrench / Screwdriver Type)
DTM-7	P17	Spare Parts (Torx Wrench / Screwdriver Type)
DTM-8	E12-E13, E15-E17, E30, E32-E33, E35, P17	Spare Parts (Torx Wrench / Screwdriver Type)
DTM-10	P17	Spare Parts (Torx Wrench / Screwdriver Type)
DTM-15	C2, C4, E12, E14-E17, E30, E32-E33, E35, E44, P17	Spare Parts (Torx Wrench / Screwdriver Type)
DTP-9	H20-H21, P17	Spare Parts (Torx Plus Wrench / Screwdriver Type)
DTP-15	C14, H20-H21, P17	Spare Parts (Torx Plus Wrench / Screwdriver Type)
DTP-20	E50, P17	Spare Parts (Torx Plus Wrench / Screwdriver Type)
DTPM-8	E6-E8, E29-E30, F14-F17, J17, P17	Spare Parts (Torx Wrench / Screwdriver Type)
DTPM-10	J13-J14, J17, P17	Spare Parts (Torx Plus Wrench / Screwdriver Type)
DTPM-15	E6-E8, E29-E30, F4, F6-F8, F10, J6-J9, J13-J14, J17, P17	Spare Parts (Torx Wrench / Screwdriver Type)
DV-33	P8	Spare Parts (Shim)
DW-42	P8	Spare Parts (Shim)
DW-44	P8	Spare Parts (Shim)
E		
EM ○○○○	E70	End Mill (Extended Length)
EM ○○○○-○○	E70	End Mill (Extended Length)
EM ○○○○-○○-3F	E70	End Mill (Extended Length)
EM ○○○○-○○○S	E70	End Mill (Extended Length)
EM ○○○○-○.○	E70	End Mill (Extended Length)
EM ○○○○-AL	E73	End Mill (Extended Length)
EM ○○○○-○.○○(○)-AL	E73	End Mill (Extended Length)
EM ○○○○-3F	E70	End Mill (Extended Length)
EM ○○○○-○○○○-LE	E71	End Mill (Extended Length)
F		

Part Number	Page	Description
FH-2	P17	Spare Parts (Hexagon Wrench / Flag Type)
FH-2.5	P17	Spare Parts (Hexagon Wrench / Flag Type)
FM ○○○○-90RH	E72	Face Mill (Fixed Pocket)
FM ○○○○-90AL-(125)	E73	Face Mill (Fixed Pocket)
FM AL-○○○○-90-○	E73	Face Mill (Fixed Pocket)
FPMT ○○○○○○ER	-	Insert (Milling)
FT-6	P17	Spare Parts (Torx Wrench / Flag Type)
FT-7	P17	Spare Parts (Torx Wrench / Flag Type)
FT-8	E65, E75, P17	Spare Parts (Torx Wrench / Flag Type)
FT-10	E65, E75, P17	Spare Parts (Torx Wrench / Flag Type)
FT-15	E49, E66-E67, E69, E75, K12, P17	Spare Parts (Torx Wrench / Flag Type)
FTP-5	P17	Spare Parts (Torx Wrench / Flag Type)
FTP-6	F22, P17	Spare Parts (Torx Wrench / Flag Type)
FTP-7	P17	Spare Parts (Torx Wrench / Flag Type)
G		
GOMT ○○□○○○(○)ER-D	B19	Insert (Milling)
GP-1	P19	Spare Parts (Plug)
GP-2	P19	Spare Parts (Plug)
GS-50	P2	Spare Parts (Screw)
GS-50S	P2	Spare Parts (Screw)
GS-4090T%W	P2	Spare Parts (Screw)
GVR ○○○□(□)	K13	Insert (Grooving / Previous Description)
GVR ○○○-○○○□(□)	K13	Insert (Grooving)
GVFR ○○○□	K14	Insert (Grooving / Previous Description)
GVFR ○○○-○○○□	K14	Insert (Grooving)
H		
HF16X40HA	P2	Spare Parts (Screw with Coolant Hole)
HF20X53H	P2	Spare Parts (Screw with Coolant Hole)
HF20X53HA	P2	Spare Parts (Screw with Coolant Hole)
HF24X60H	E16, P2	Spare Parts (Screw with Coolant Hole)
HF24X60HA	P2	Spare Parts (Screw with Coolant Hole)
HH3/8-1.25H	E6, E16, E25, E44, F4, J6, P2	Spare Parts (Arbor / Mounting Bolt)
HH1/2-1.25H	E16, E44, F4, J6, P2	Spare Parts (Arbor / Mounting Bolt)
HH3/4-2.3H	E16, P2	Spare Parts (Arbor / Mounting Bolt)
HH1/4-0.75	F16, J13, P2	
HH3/8-1.25	C2, E6, E30, E33, E44, F4, F16, J6, J13, P2	Spare Parts (Arbor / Mounting Bolt)
HH3/8-1.5	E33, P2	Spare Parts (Arbor / Mounting Bolt)
HH1/2-1.25	C2, C10, D5, E30, E44, E56, F4, J6, J13, P2	Spare Parts (Arbor / Mounting Bolt)
HH3/4-2.3	C10, D5, P2	Spare Parts (Arbor / Mounting Bolt)
HH3X6	P2	Spare Parts (Screw)
HH3X12	P2	Spare Parts (Screw)
HH4X12	P3	Spare Parts (Screw)
HH4X16	C22, P2	Spare Parts (Screw)
HH5X15	P2	Spare Parts (Screw)
HH5X16	P2	Spare Parts (Screw)
HH5X20	P2	Spare Parts (Screw)

GRADES	A
LINEUP / INSERTS	B
45° / 70° LEAD	C
75° LEAD	D
90° LEAD	E
HIGH FEED	F
MULTI-FUNCTION	G
SLOT MILLS	H
RADIUS / BALL-NOSE	J
OTHER APPLICATIONS	K
TOOL HOLDING	O
SPARE PARTS	P
TECHNICAL	R
INDEX	T

Part Numbers in Alphanumeric Order

○ : NUMBER □ : LETTER

Part Number	Page	Description
HH5X25	P2	Spare Parts (Screw)
HH5X30	P2	Spare Parts (Screw)
HH6X12	P2	Spare Parts (Screw)
HH6X16	P2	Spare Parts (Screw)
HH6X16AA	P2	Spare Parts (Screw)
HH6X18AA	P2	Spare Parts (Screw)
HH6X20	P2	Spare Parts (Screw)
HH6X25	P2	Spare Parts (Screw)
HH6X30	P2	Spare Parts (Screw)
HH8X25	C14, E7, E30, E33, J14, P3	Spare Parts (Screw)
HH8X25H	E7, E16, E25, P3	Spare Parts (Screw with Coolant Hole)
HH8X35	P3	Spare Parts (Screw)
HH8X40	P3	Spare Parts (Screw)
HH8X50	P3	Spare Parts (Screw)
HH8X55	P3	Spare Parts (Screw)
HH8X65	P3	Spare Parts (Screw)
HH8X70	P3	Spare Parts (Screw)
HH8X80	P3	Spare Parts (Screw)
HH8X85	P3	Spare Parts (Screw)
HH8X100	P3	Spare Parts (Screw)
HH8X110	P3	Spare Parts (Screw)
HH10X25	P3	Spare Parts (Screw)
HH10X30	C4, E30, E33, E44, F6, J7, J14, P3	Spare Parts (Screw)
HH10X30H	E25, E16, P3	Spare Parts (Screw with Coolant Hole)
HH10X30M	C14, P3	Spare Parts (Screw)
HH10X30S	C14, P3	Spare Parts (Screw)
HH10X35	H9, P3	Spare Parts (Screw)
HH10X35HK	P3	Spare Parts (Screw)
HH10X40	E33, P3	Spare Parts (Screw)
HH12X25	P3	Spare Parts (Screw)
HH12X35	C4, C12, D5, E30, E33, E35, E44, E56, F6, H9, H20-H21, J7, J14, P3	Spare Parts (Screw)
HH12X35H	E16, P3	Spare Parts (Screw with Coolant Hole)
HH12X35HK	P3	Spare Parts (Screw with Coolant Hole)
HH12X35M	C14, P3	Spare Parts (Screw)
HH12X40	E35, P3	Spare Parts (Screw)
HH12X55	P3	Spare Parts (Screw)
HH12X65	P3	Spare Parts (Screw)
HH12X80	P3	Spare Parts (Screw)
HH12X85	P3	Spare Parts (Screw)
HH12X100	P3	Spare Parts (Screw)
HH12X110	P3	Spare Parts (Screw)
HH12X120	P3	Spare Parts (Screw)
HH12X130	P3	Spare Parts (Screw)
HH12X140	P3	Spare Parts (Screw)
HH12X150	P3	Spare Parts (Screw)
HH16X35	H20-H21, P3	Spare Parts (Screw)
HH16X40	C12, E35, F6, P3	Spare Parts (Screw)
HH16X45	E30, E33, E56, P3	Spare Parts (Screw)
HH16X52H	E16, P3	Spare Parts (Screw with Coolant Hole)
HH16X65	P3	Spare Parts (Screw)
HH16X90	P3	Spare Parts (Screw)
HH16X110	P3	Spare Parts (Screw)
HH16X130	P3	Spare Parts (Screw)
HH20X40	E35, H9, P3	Spare Parts (Screw)
HH20X53	E16, P3	Spare Parts (Screw)
HH20X55	E56, P3	Spare Parts (Screw)

Part Number	Page	Description
HH20X75	P3	Spare Parts (Screw)
HH20X90	P3	Spare Parts (Screw)
HH20X110	P3	Spare Parts (Screw)
HH20X120	P3	Spare Parts (Screw)
HH20X140	P3	Spare Parts (Screw)
HH20X150	P3	Spare Parts (Screw)
HH20X170	P3	Spare Parts (Screw)
HH24X40	P3	Spare Parts (Screw)
HH24X60	P3	Spare Parts (Screw)
HH24X75	P3	Spare Parts (Screw)
HH24X90	P3	Spare Parts (Screw)
HH24X110	P3	Spare Parts (Screw)
HH24X120	P3	Spare Parts (Screw)
HH24X140	P3	Spare Parts (Screw)
HH24X150	P3	Spare Parts (Screw)
HH24X170	P3	Spare Parts (Screw)
HS3X4	P4	Spare Parts (Screw)
HS3X4P	P4	Spare Parts (Screw)
HS3X8	P4	Spare Parts (Screw)
HS3X12	P4	Spare Parts (Screw)
HS3X16	P4	Spare Parts (Screw)
HS4X4	P4	Spare Parts (Screw)
HS4X4P	P4	Spare Parts (Screw)
HS5X5	P4	Spare Parts (Screw)
HS6X4P	P4	Spare Parts (Screw)
HS6X6	P4	Spare Parts (Screw)
HS6X8T	P4	Spare Parts (Screw)
HS6X14	P4	Spare Parts (Screw)
HS6X22	P4	Spare Parts (Screw)
HS6X24	P4	Spare Parts (Screw)
HS8X10	P4	Spare Parts (Screw)
HS8X12	P4	Spare Parts (Screw)
HS10X10	P4	Spare Parts (Screw)
HS10X16	P4	Spare Parts (Screw)
HS12X12	P4	Spare Parts (Screw)
HS12X16	P4	Spare Parts (Screw)
HS12X18	P4	Spare Parts (Screw)
HS12X20	P4	Spare Parts (Screw)
HS12X25	P4	Spare Parts (Screw)
HS12X30	P4	Spare Parts (Screw)
HS12X35	P4	Spare Parts (Screw)
HS16X12	P4	Spare Parts (Screw)
HS16X18	P4	Spare Parts (Screw)
HS16X20	P4	Spare Parts (Screw)
HSB4X8%	P4	Spare Parts (Screw)
J		
JOMT	○○(□)○○(○)ER-D	B19 Insert (Milling)
K		
KPS-42		P8 Spare Parts (Shim)
KPT-32		E49, P8 Spare Parts (Shim)
KPT-42		E49, P8 Spare Parts (Shim)
KVN-32		P8 Spare Parts (Shim)
KYO-CAT40-	EM(○),○(○)(○)-○.○(○)	O3 Holders (End Mill)
KYO-CAT40-	FM(○),○(○)-2.0	O2 Holders (Face Mill)
KYO-CAT50-	EM(○),○(○)(○)-○.○	O5 Holders (End Mill)
KYO-CAT50-	FM(○),○(○)-3.0	O4 Holders (Face Mill)
L		
LC-4K		P9 Spare Parts (Shim)
LC-32		P9 Spare Parts (Shim)
LC-32N		P9 Spare Parts (Shim)
LC-42		P9 Spare Parts (Shim)

T INDEX

Part Numbers in Alphanumeric Order

○ : NUMBER □ : LETTER

Part Number	Page	Description
LC-42N	P9	Spare Parts (Shim)
LC-42N-20	P9	Spare Parts (Shim)
LC-42N%	P9	Spare Parts (Shim)
LC-42N%-20	P9	Spare Parts (Shim)
LC-42%	P9	Spare Parts (Shim)
LC-53	P9	Spare Parts (Shim)
LC-53N	P9	Spare Parts (Shim)
LD-4K	P9	Spare Parts (Shim)
LD-4K43	P9	Spare Parts (Shim)
LD-32	P9	Spare Parts (Shim)
LD-32N	P9	Spare Parts (Shim)
LD-42	P9	Spare Parts (Shim)
LD-42-20	P9	Spare Parts (Shim)
LD-43	P9	Spare Parts (Shim)
LD-43-20	P9	Spare Parts (Shim)
LGBA-16% S	P14	Spare Parts (Clamp Set)
LGBA-22% S	P14	Spare Parts (Clamp Set)
LL-03	P7	Spare Parts (Lock Pin)
LL-03N	P7	Spare Parts (Lock Pin)
LL-03S	P7	Spare Parts (Lock Pin)
LL-03SN	P7	Spare Parts (Lock Pin)
LL-03T	P7	Spare Parts (Lock Pin)
LL-03TN	P7	Spare Parts (Lock Pin)
LL-05C	P7	Spare Parts (Lock Pin)
LL-1	P7	Spare Parts (Lock Pin)
LL-1C	P7	Spare Parts (Lock Pin)
LL-1CN	P7	Spare Parts (Lock Pin)
LL-1D	P7	Spare Parts (Lock Pin)
LL-1DN	P7	Spare Parts (Lock Pin)
LL-1K	P7	Spare Parts (Lock Pin)
LL-1N	P7	Spare Parts (Lock Pin)
LL-2	P7	Spare Parts (Lock Pin)
LL-2C	P7	Spare Parts (Lock Pin)
LL-2K	P7	Spare Parts (Lock Pin)
LL-2N	P7	Spare Parts (Lock Pin)
LL-3	P7	Spare Parts (Lock Pin)
LL-3K	P7	Spare Parts (Lock Pin)
LL-3N	P7	Spare Parts (Lock Pin)
LL-4	P7	Spare Parts (Lock Pin)
LL-5	P7	Spare Parts (Lock Pin)
LL-5N	P7	Spare Parts (Lock Pin)
LNEU ○○○○-○○(-○)	H10	Insert (Milling)
LNEU ○○○○-○○S(-○)	H10	Insert (Milling)
LOF07R	C16	Spare Parts (Cartridge)
LOGU ○○○○○ER-GM	B13	Insert (Milling)
LOGT ○○○○○FR-AM	B13	Insert (Milling)
LOMU ○○○○○ER-GH	B13	Insert (Milling)
LOMU ○○○○○ER-GM	B13	Insert (Milling)
LOMU ○○○○○ER-SM	B13	Insert (Milling)
LP-2S	P7	Spare Parts (Lock Pin)
LP-6S	P7	Spare Parts (Lock Pin)
LPA-11	P7	Spare Parts (Anchor Pin)
LPA-13	P7	Spare Parts (Anchor Pin)
LPA-17	P7	Spare Parts (Anchor Pin)
LPF-11	P7	Spare Parts (Anchor Pin)
LPF-13	P7	Spare Parts (Anchor Pin)
LPF-17	P7	Spare Parts (Anchor Pin)
LPF-1113	P7	Spare Parts (Anchor Pin)
LPF-1117	P7	Spare Parts (Anchor Pin)
LPGT ○○○○○ER-GM	B13, F23	Insert (Milling)
LR-10C	P9	Spare Parts (Shim)
LR-12C	P9	Spare Parts (Shim)

Part Number	Page	Description
LR-16C	P9	Spare Parts (Shim)
LR-80	P9	Spare Parts (Shim)
LR-81	P9	Spare Parts (Shim)
LS-03	P4	Spare Parts (Lock Screw)
LS-03N	P4	Spare Parts (Lock Screw)
LS-03S	P4	Spare Parts (Lock Screw)
LS-03SN	P4	Spare Parts (Lock Screw)
LS-05	P4	Spare Parts (Lock Screw)
LS-1	P4	Spare Parts (Lock Screw)
LS-1N	P4	Spare Parts (Lock Screw)
LS-1P	P4	Spare Parts (Lock Screw)
LS-1S	P4	Spare Parts (Lock Screw)
LS-1SN	P4	Spare Parts (Lock Screw)
LS-1T	P4	Spare Parts (Lock Screw)
LS-2	P4	Spare Parts (Lock Screw)
LS-2N	P4	Spare Parts (Lock Screw)
LS-2P	P4	Spare Parts (Lock Screw)
LS-3	P4	Spare Parts (Lock Screw)
LS-3P	P4	Spare Parts (Lock Screw)
LS-4	P4	Spare Parts (Lock Screw)
LS-4N	P4	Spare Parts (Lock Screw)
LS-11	P4	Spare Parts (Lock Screw)
LS-15	P4	Spare Parts (Lock Screw)
LS-32	P9	Spare Parts (Shim)
LS-42	P9	Spare Parts (Shim)
LSD-445R	P12	Spare Parts (Cartridge)
LSE-445R	P12	Spare Parts (Cartridge)
LSE-445SR	C19	Spare Parts (Cartridge)
LSO-445R	C22, P12	Spare Parts (Cartridge)
LSP-1	P7	Spare Parts (Shim Pin)
LSP-2	P7	Spare Parts (Shim Pin)
LSP-2K	P7	Spare Parts (Shim Pin)
LSP-3	P7	Spare Parts (Shim Pin)
LSP-3K	P7	Spare Parts (Shim Pin)
LSP-415R	P12	Spare Parts (Cartridge)
LT-3K	P9	Spare Parts (Shim)
LT-32	P9	Spare Parts (Shim)
LT-32N	P9	Spare Parts (Shim)
LT-32N-20	P9	Spare Parts (Shim)
LT-42	P9	Spare Parts (Shim)
LT-42N	P9	Spare Parts (Shim)
LT-42N-20	P9	Spare Parts (Shim)
LTE-490R	P12	Spare Parts (Cartridge)
LTE-490SR	E48	Spare Parts (Cartridge)
LTK-5	P18	Spare Parts (Wrench)
LTP-10	P17	Spare Parts (Torx Plus Wrench / L-Shape Type)
LTP-15	P17	Spare Parts (Torx Plus Wrench / L-Shape Type)
LTW-8SS	P17	Spare Parts (Torx Wrench / L-Shape Type)
LTW-10S	P17	Spare Parts (Torx Wrench / L-Shape Type)
LTW-10SS	P17	Spare Parts (Torx Wrench / L-Shape Type)
LTW-15S	P17	Spare Parts (Torx Wrench / L-Shape Type)
LTW-20	K6, P17	Spare Parts (Torx Wrench / L-Shape Type)
LTW-25	P17	Spare Parts (Torx Wrench / L-Shape Type)
LW-1.5	P18	Spare Parts (Hexagon Wrench / L-Shape Type)
LW-2	C18, E49, P18	Spare Parts (Hexagon Wrench / L-Shape Type)
LW-2.5	H20-H21, P18	Spare Parts (Hexagon Wrench / L-Shape Type)

GRADES	A
LINEUP / INSERTS	B
45° / 07° LEAD	C
75° LEAD	D
90° LEAD	E
HIGH FEED	F
MULTI-FUNCTION	G
SLOT MILLS	H
RADIUS / BALL-NOSE	J
OTHER APPLICATIONS	K
TOOL HOLDING	O
SPARE PARTS	P
TECHNICAL	R
INDEX	T

Part Numbers in Alphanumeric Order

○ : NUMBER □ : LETTER

Part Number	Page	Description
LW-3	D8, E49, H20-H21, K12, K14, P18	Spare Parts (Hexagon Wrench / L-Shape Type)
LW-4	E48, E49, P18	Spare Parts (Hexagon Wrench / L-Shape Type)
LW-4.5	E50, P18	Spare Parts (Hexagon Wrench / L-Shape Type)
LW-5	C2, C4, E44, P18	Spare Parts (Hexagon Wrench / L-Shape Type)
LW-6	P18	Spare Parts (Hexagon Wrench / L-Shape Type)
LW-8	P18	Spare Parts (Hexagon Wrench / L-Shape Type)
LW-10	E35, P18	Spare Parts (Hexagon Wrench / L-Shape Type)
LW-14	E35, P18	Spare Parts (Hexagon Wrench / L-Shape Type)
LW-17	E16, E35, P18	Spare Parts (Hexagon Wrench / L-Shape Type)
LW-19	P18	Spare Parts (Hexagon Wrench / L-Shape Type)
LW-32	P9	Spare Parts (Shim)
LW-32N	P9	Spare Parts (Shim)
LW-42	P9	Spare Parts (Shim)
LW-42N	P9	Spare Parts (Shim)
LW-42N%	P9	Spare Parts (Shim)
LW-42%	P9	Spare Parts (Shim)

M

M3X8	P4	Spare Parts (Screw)
M3X12	P4	Spare Parts (Screw)
M4X10	P4	Spare Parts (Screw)
MAP-1806	D5	Spare Parts (Cartridge)
MAP-1806M	E56	Spare Parts (Cartridge)
MAP-1806S	E56	Spare Parts (Cartridge)
MAP-2506	E59, E61, P12	Spare Parts (Shim)
MAP 100R00-S100	E74	End Mill
MCSE ○○○	K6	End Mill (Chamfering)
MCSE ○○○-OOD	K6	End Mill (Chamfering)
MEAL ○○-SOO	E68	End Mill (for Aluminum Machining)
MEC ○○○○-S000-○○	E12	End Mill (MEC)
MEC ○○○○-S000-00T	E12	End Mill (MEC)
MEC ○○○○-S000-0-0-○○	E12	End Mill (MEC)
MEC ○○○○-S000-0-0-00T	E12	End Mill (MEC)
MEC ○○-MOO-○○(T)-OT	E17	Modular Type Head (MEC)
MEC ○○-SOO-○○	E13-E14	End Mill (MEC)
MEC ○○-SOO-00T	E13	End Mill (MEC)
MEC ○○-SOO-○○-○○	E14	End Mill (MEC)
MEC ○○-SOO-○○-○○-○	E14	End Mill (MEC)
MEC ○○-SOO-○○-○○-00T	E13	End Mill (MEC)
MEC ○○-SOO-○○-○○-OT-○	E13	End Mill (MEC)
MEC ○○○OR-○○(T)-OT(N)	E15	Face Mill (MEC)
MEC ○○○OR-○○○(OT)(N)	E16	Face Mill (MEC)
MEC ○○○OR-○○○(OT)(M(N))	E16	Face Mill (MEC)
MEC ○○○OR-○○○(O)□□	E16	Face Mill (MEC)
MECH ○○○○-W000(O)-○○○-OT	E32	End Mill (MECH)
MECH ○○○○-SOO-○○-○-OT	E32	End Mill (MECH)
MECH ○○○OR-○○-○-OT	E33	End Mill (MECH)
MECH ○○○OR-○○-○-OT	E33	End Mill (MECH)
MECH ○○○OR-○○-○-OT-M	E33	Shell Mill (MECH)
MECH ○○○RO○-○-OT-BT○○	E33	End Mill (MECH)
MECH ○○○RO○-OT-BT○○-A	E34	End Mill (MECH)
MECH ○○○RO○-OT-BT○○SA	E34	End Mill (MECH)
MECH ○○○RO○-OT-F	E35	End Mill (MECH)
MECX ○○○○-S000-○○-OT	E24	End Mill (MECX)
MECX ○○-SOO-○○-OT	E24	End Mill (MECX)
MECX ○○-SOO-○○-○○-OT	E24	End Mill (MECX)
MECX ○○○OR-○○○(O)T	E25	Face Mill (MECX)

Part Number	Page	Description
MECX ○○○○-○○-○(O)T-M	E25	Face Mill (MECX)
MEF ○○-SOO	K8	End Mill (Countersinking)
METS ○○-SOO	K10	End Mill (T-Slotting)
METS ○○-SOO-H	K10	End Mill (T-Slotting)
MEW ○○-MOO-○○-OT	E8	Modular Type Head (MEW)
MEW ○○-SOO-○○-OT	E5	End Mill (MEW)
MEW ○○-SOO-○○-○○-OT	E5	End Mill (MEW)
MEW ○○-WOO-○○-OT	E5	End Mill (MEW)
MEW ○○○OR-○○-OT	E6	Face Mill (MEW)
MEW ○○○OR-○○-OT(M)	E7	Face Mill (MEW)
MEW ○○○○-S000-○-○○-OT	E4	End Mill (MEW)
MEW ○○○○-W000-○○-OT	E4	End Mill (MEW)
MEWH ○○○OR-○○-○-OT-M	E30	Shell Mill (MEWH)
MEWH ○○○-SOO-○○-○-OT	E29	End Mill (MEWH)
MEWH ○○○OR-○○-○-OT	E30	Shell Mill (MEWH)
MEWH ○○○○-W000-○○-○-OT	E29	End Mill (MEWH)
MEY ○○○○-S000-HG	G2	End Mill (3-D End Mill)
MEY ○○-SOO	G2	End Mill (3-D End Mill)
MEY ○○-SOO-○○○	G2	End Mill (3-D End Mill)
MEY ○○-SOO-○○○H	G2	End Mill (3-D End Mill)
MEZ ○○-SOOG	G6	End Mill (3-D End Mill)
MEZ ○○-SOO-○○○G	G6	End Mill (3-D End Mill)
MEZ ○○-SOO-○○○HG	G6	End Mill (3-D End Mill)
MFH ○○○○-MOO-○○-OT	F17	Modular Type Head (MFH)
MFH ○○○○-S000-○○-OT-○(○)	F7, F14	End Mill (MFH)
MFH ○○○○-WOO-○○-OT	F7	End Mill (MFH)
MFH ○○○○-W000-○○-OT-○	F14	End Mill (MFH)
MFH ○○○(O)R-○○-OT	F4-F5, F16	Face Mill (MFH)
MFH ○○○OR-○○-OT-M	F5	Face Mill (MFH)
MFH ○○○OR-○○-OT-OOM	F5	Face Mill (MFH)
MFH ○○○○-S000-○○-OT-○(○)	F22	End Mill (MFH)
MFH ○○-MOO-○○-OT	F10, F17	Modular Type Head (MFH)
MFH ○○-SOO-○○-OT	F8-F9, F15, F22	End Mill (MFH)
MFH ○○-SOO-○○-OT-○○○	F8, F15	End Mill (MFH)
MFH ○○-WOO-○○-OT	F8, F15, F22	End Mill (MFH)
MPK ○○○(O)R-○○-○(O)T	C10-C11	Face Mill (MPK)
MPK ○○○OR-○○-○(O)T-M	C11	Face Mill (MPK)
MFPN-45	C2, C4, P9	Spare Parts (Shim)
MFPN 45○○○○(O)R-○(O)T	C2	Face Mill (MFPN)
MFPN 45○○○%-○(O)T	C3	Face Mill (MFPN)
MFPN 45○○OR-○(O)T-M	C3	Face Mill (MFPN)
MFPN 45○○OR-S32-OT	C4	End Mill (MFPN)
MFPN 45○○OR-W125-OT	C4	End Mill (MFPN)
MFVN-90	E44, P9	Spare Parts (Shim)
MFVN ○○○○○○(O)R-○(O)T	E42	Face Mill (MFVN)
MFVN ○○○○○R-○(O)T	E43	Face Mill (MFVN)
MFVN ○○○○○R-○(O)T-M	E43	Face Mill (MFVN)
MFVN ○○○○○OR-W125-OT	E45	Face Mill (MFVN)
MFVN ○○○OR-SOO-OT	E45	Face Mill (MFVN)
MGI ○○○○-1□(□)	K12	End Mill (Grooving for M/C)
MOF 45○○OR-○○-○(O)T	C14	Face Mill
MOF 45○○OR-○○-○(O)T-M	C14	Face Mill
MOFX 45○○OR-○○-○(O)T-SF	C16	Face Mill
MOFX 45○○OR○○-○(O)T-MSF	C16	Face Mill
MP-1	C2, C4, D5, E6-E8, E17, E29-E30, E32-E33, E35, E44-E45, E56, E59, E61, F4, F6-F10, F14-F17, F22, G2, H9, H20-H21, J2, J6-J9, J13-J14, J17	Spare Parts (Anti-seize Compound)
MRF ○○-SOO	J2	End Mill (Ball-Nose)
MRF ○○-SOO-○○○	J2	End Mill (Ball-Nose)
MRFW ○○-SOO	J2	End Mill (Ball-Nose)

T INDEX

Part Numbers in Alphanumeric Order

○ : NUMBER □ : LETTER

Part Number	Page	Description
MRFW	J2	End Mill (Ball-Nose)
MRP	J23	Face Mill (Radius Mill)
MRP	J23	Face Mill (Radius Mill)
MRP	J22	End Mill (Radius Mill)
MRP	J22	End Mill (Radius Mill)
MRP	J22	End Mill (Radius Mill)
MRW	J8	End Mill (MRW)
MRW	J8	End Mill (MRW)
MRW	J6	Face Mill (MRW)
MRW	J7	Face Mill (MRW)
MRW	J7	Face Mill (MRW)
MRW	J9	End Mill (MRW)
MRW	J9	End Mill (MRW)
MRW	J9	End Mill (MRW)
MRX	J15	End Mill (MRX)
MRX	J15	End Mill (MRX)
MRX	J13	Face Mill (MRX)
MRX	J14	Face Mill (MRX)
MRX	J14	Face Mill (MRX)
MRX	J17	Modular Type Head (MRX)
MRX	J16	End Mill (MRX)
MRX	J16	End Mill (MRX)
MRX	J16	End Mill (MRX)
MSD-42	P9	Spare Parts (Shim)
MSE	D8	Face Mill (with Shank)
MSE	D8	Face Mill (with Shank)
MSE-4215	D8, P9	Spare Parts (Shim)
MSE-4245	P9	Spare Parts (Shim)
MSE-4245S	C18, P9	Spare Parts (Shim)
MSE	C18	Face Mill
MSE	C18	Face Mill
MSE	C19	Face Mill
MSE	C19	Face Mill
MS-FRW1	H4-H5	Spare Parts (Wrench / for MSTA)
MSO	C22	Face Mill (with Shank)
MSO	C23	Face Mill (with Shank)
MSO	C22	Face Mill
MSO	E51	Face Mill (with Shank)
MSO	E50	Face Mill
MSO	E50	Face Mill
MSO-4T245	C22, P10	Spare Parts (Shim)
MSO-5200	E50, P10	Spare Parts (Shim)
MSP	D8	Face Mill (with Shank)
MSP-42	D8, P10	Spare Parts (Shim)
MSR	E59	Face Mill
MSR	E59	Face Mill
MSR	E60	Face Mill
MSR	E60	Face Mill
MSR	E60	Face Mill
MSR	E61	Face Mill (Integral Arbor Type)
MSRS	D4	Face Mill
MSRS	D5	Face Mill
MSRS	E54	Face Mill
MSRS	E55	Face Mill
MSRS	E55	Face Mill
MSTA	H5	Slot Mill
MSTA	H4	Slot Mill
MSTB	H8, H9	Slot Mill
MSTB	H8, H9	Slot Mill
MSTC	H14, H16-H19	Slot Mill
MSTC	H14-H19	Slot Mill

Part Number	Page	Description
MTE-42	E49, P10	Spare Parts (Shim)
MTE	E49	Face Mill (with Shank)
MTE	E49	Face Mill (with Shank)
MTE	E48	Face Mill
MTES	E69	End Mill
MTP	E49	Face Mill (with Shank)
MTP	E49	Face Mill (with Shank)
MTP	E49	Face Mill (with Shank)
MTPS	E69	End Mill
MVG	K14	End Mill (Ring Grooving for M/C)
MVN-32	P10	Spare Parts (Shim)
N		
NDCT	B20	Insert (Milling)
NDCT	B20	Insert (Milling)
NDCT	B20	Insert (Milling)
NDCW	B26	Insert (Milling)
NDCW	B26	Insert (Milling)
NDCW	B20	Insert (Milling)
NDCW	B20	Insert (Milling)
NDMM	B20	Insert (Milling)
NDMM	B20	Insert (Milling)
NDMM	B20	Insert (Milling)
NDMT	B20	Insert (Milling)
NDMT	B20	Insert (Milling)
NEMT	B20	Insert (Milling)
NEMT	B20	Insert (Milling)
O		
OFMR	B21	Insert (Milling)
OFMR	B21	Insert (Milling)
OFMT	B21	Insert (Milling)
OFMT	B21	Insert (Milling)
P		
P-03	P7	Spare Parts (Shim Pin)
P-03S	P7	Spare Parts (Shim Pin)
PC-1	P19	Spare Parts (Punch)
PC-2	P19	Spare Parts (Punch)
PD-42	P10	Spare Parts (Shim)
PNEA	B14	Insert (Milling)
PNEG	B14	Insert (Milling)
PNEG	B14	Insert (Milling)
PNEG	B14	Insert (Milling)
PNEU	B15	Insert (Milling)
PNEU	B15	Insert (Milling)
PNEU	B15	Insert (Milling)
PNMG	B14	Insert (Milling)
PNMG	B14	Insert (Milling)
PNMU	B15	Insert (Milling)
PNMU	B15	Insert (Milling)
PNMU	B15	Insert (Milling)
PNMU	B15	Insert (Milling)
PNMU	B15	Insert (Milling)
PP-4	P7	Spare Parts (Lock Pin)
PST-IP6	F22	Spare Parts (Pre-Set Torque Wrench)
PST-IP8	E6-E8, E17, E29-E30, F14-F17, P20	Spare Parts (Pre-Set Torque Wrench)
PST-IP9	J17, P20	Spare Parts (Pre-Set Torque Wrench)
PST-IP10	J13, J14, J17, P20	Spare Parts (Pre-Set Torque Wrench)
PST-IP15	E6-E8, E17, E29-E30, F4, F6-F8, F10, J6-J9, J13-J14, J17, P20	Spare Parts (Pre-Set Torque Wrench)

GRADES	A
LINEUP / INSERTS	B
45° / 70° LEAD	C
75° LEAD	D
90° LEAD	E
HIGH FEED	F
MULTI-FUNCTION	G
SLOT MILLS	H
RADIUS / BALL-NOSE	J
OTHER APPLICATIONS	K
TOOL HOLDING	O
SPARE PARTS	P
TECHNICAL	R
INDEX	T

Part Numbers in Alphanumeric Order

○ : NUMBER □ : LETTER

Part Number	Page	Description
PST-IP20	F4, F6, F9, J6-J9, J13-J14, J17, P20	Spare Parts (Pre-Set Torque Wrench)
PST-T6	P20	Spare Parts (Pre-Set Torque Wrench)
PST-T7	P20	Spare Parts (Pre-Set Torque Wrench)
PST-T8	E12-E13, E15-E16, E32-E33, E35, P20	Spare Parts (Pre-Set Torque Wrench)
PST-T9	P20	Spare Parts (Pre-Set Torque Wrench)
PST-T10	P20	Spare Parts (Pre-Set Torque Wrench)
PST-T15	C10, C12, E12, E14-E16, E32-E33, E35, P20	Spare Parts (Pre-Set Torque Wrench)
PST-T20	P20	Spare Parts (Pre-Set Torque Wrench)
R		
R ○○-(R)-(SET)	K3	Cartridge Set (API Ring Groover)
R ○○-SET	K3	Cartridge Set (API Ring Groover)
RDFG ○○FR	B21	Insert (Milling)
RDGT ○○○○M0ER-GM	B16	Insert (Milling)
RDGT ○○○○M0ER-SM	B16	Insert (Milling)
RDHX ○○□○IM0T	B21	Insert (Milling)
RDMT ○○□○M0-H	B21	Insert (Milling)
RDMT ○○○○M0EN-GH	B16	Insert (Milling)
RDMT ○○○○M0ER-GM	B16	Insert (Milling)
ROMU ○○○○M0ER-GH	B16	Insert (Milling)
ROMU ○○○○M0ER-GM	B16	Insert (Milling)
ROMU ○○○○M0ER-SM	B16	Insert (Milling)
RPGT ○○□○M0ER-GM	B16	Insert (Milling)
RPGT ○○□○M0ER-SM	B16	Insert (Milling)
RPMT ○○□○IM0	B21	Insert (Milling)
RPMT ○○□○M0EN-GH	B16	Insert (Milling)
RPMT ○○□○M0ER-GM	B16	Insert (Milling)
RPMT ○○○○M0-H	B21	Insert (Milling)
RPMW ○○○○M0TN	B16	Insert (Milling)
ROMU ○○○○M0ER-GH	B16	Insert (Milling)
ROMU ○○○○M0ER-GM	B16	Insert (Milling)
ROMU ○○○○M0ER-SM	B16	Insert (Milling)
S		
SB-1STR	P5	Spare Parts (Screw)
SB-1TR	P5	Spare Parts (Screw)
SB-2TR	P5	Spare Parts (Screw)
SB-3STR	P5	Spare Parts (Screw)
SB-3TR	P5	Spare Parts (Screw)
SB-3.5TR	P5	Spare Parts (Screw)
SB-4STR	E75	Spare Parts (Screw)
SB-4TR	P5	Spare Parts (Screw)
SB-5TR	P5	Spare Parts (Screw)
SB-1635TR	P5	Spare Parts (Screw)
SB-1840TRP	F22, P5	Spare Parts (Screw)
SB-2035TR	P5	Spare Parts (Screw)
SB-2035TRG	E24, P5	Spare Parts (Screw)
SB-2040TR	P5	Spare Parts (Screw)
SB-2040TRG	G2, G6, P5	Spare Parts (Screw)
SB-2042TRG	E24-E25, P5	Spare Parts (Screw)
SB-2045TR	P5	Spare Parts (Screw)
SB-2045TRN	P5	Spare Parts (Screw)
SB-2050TR	P5	Spare Parts (Screw)
SB-2060TR	P5	Spare Parts (Screw)
SB-2080TR	P5	Spare Parts (Screw)
SB-2250TR	K8, P5	Spare Parts (Screw)
SB-2255TR	P5	Spare Parts (Screw)
SB-2260TR	K8, P5	Spare Parts (Screw)

Part Number	Page	Description
SB-2290TR	P5	Spare Parts (Screw)
SB-2545TR	E12-E13, E65, E75, P5	Spare Parts (Screw)
SB-2555TRG	E12-E13, E15-E17, E32, E33, E35, G2, G6, P5	Spare Parts (Screw)
SB-2555TRP	J17, P5	Spare Parts (Screw)
SB-2560TR	E74, K10, P5	Spare Parts (Screw)
SB-2570TR	P5	Spare Parts (Screw)
SB-3060TR	C23, E65, E75, J22, K6, K10, P5	Spare Parts (Screw)
SB-3060TRG	P5	Spare Parts (Screw)
SB-3065TRP	E6-E8, E29-E30, F14-F17, P5	Spare Parts (Screw)
SB-3070TRG	G2, G6, P5	Spare Parts (Screw)
SB-3070TRP	J13-J14, J17, P5	Spare Parts (Screw)
SB-3080TR	E51, J22-J23, K8, P5	Spare Parts (Screw)
SB-3580TR	P5	Spare Parts (Screw)
SB-3590TRP	H20-H21, P5	Spare Parts (Screw)
SB-3592TR	P5	Spare Parts (Screw)
SB-4050TRN	P5	Spare Parts (Screw)
SB-4060TR	E66-E67, P5	Spare Parts (Screw)
SB-4065TR	E66, E67, K12, P5	Spare Parts (Screw)
SB-4070TRG	G2, G6, P5	Spare Parts (Screw)
SB-4070TRN	E12, E14-E17, E32-E33, E35, P5	Spare Parts (Screw)
SB-4070TRS	P5	Spare Parts (Screw)
SB-4070TRW	P6	Spare Parts (Screw)
SB-4075TRP	F7-F8, F10, P5	Spare Parts (Screw)
SB-4082TPR	C14, P5	Spare Parts (Screw)
SB-4085TR	E74, J22-J23, K10, K12, P5	Spare Parts (Screw)
SB-4085TRP	J6-J9, K10, P5	Spare Parts (Screw)
SB-4090TRP	E6, E7-E8, E29-E30, J13-J14, P5	Spare Parts (Screw)
SB-4090TRPN	F4, F6, J17, P5	Spare Parts (Screw)
SB-4590TRWN	P6	Spare Parts (Screw)
SB-5070TR	K6, P5	Spare Parts (Screw)
SB-5085TR	E51, E68, P5	Spare Parts (Screw)
SB-5090TR	K6, P5	Spare Parts (Screw)
SB-25100TR	P5	Spare Parts (Screw)
SB-40115TR	J22-J23, P5	Spare Parts (Screw)
SB-40120TR	P5	Spare Parts (Screw)
SB-40125TRN	P5	Spare Parts (Screw)
SB-40140TR	D5, E56, E59, E61, P5	Spare Parts (Screw)
SB-40140TRN	C2, C4, E44, P5	Spare Parts (Screw)
SB-45130TR	E50, P5	Spare Parts (Screw)
SB-50120TR	J22-J23, P5	Spare Parts (Screw)
SB-50120TRP	F4, F6, F9, J13-J14, J17, P5	Spare Parts (Screw)
SB-50120TRS	C14, P5	Spare Parts (Screw)
SB-50137K	P5	Spare Parts (Screw)
SB-50140TR	C2, C4, E44-E45, P5	Spare Parts (Screw)
SB-50140TRP	J6-J9, P5	Spare Parts (Screw)
SB-60120TR	D5, E56, E59, E61, J23, P5	Spare Parts (Screw)
SC-30067	J2, P6	Spare Parts (Screw)
SC-35085	J2, P6	Spare Parts (Screw)
SC-40100	J2, P6	Spare Parts (Screw)
SC-50130	J2, P6	Spare Parts (Screw)
SC-60160	J2, P6	Spare Parts (Screw)
SC-60210	J2, P6	Spare Parts (Screw)
SCR-01	E70, E73, K4, K5 P6	Spare Parts (Screw)
SCR-02	E73, K4, K5	Spare Parts (Screw)
SCR-03	P5	Spare Parts (Screw)
SCR-04	E70, K5, P6	Spare Parts (Screw)

Part Numbers in Alphanumeric Order

○ : NUMBER □ : LETTER

Part Number	Page	Description
SCR-05	P6	Spare Parts (Screw)
SCR-16	E70-E71, K5, P6	Spare Parts (Screw)
SCR-30	E70-E72, K5, P6	Spare Parts (Screw)
SDCN ○○AUTN	B10	Insert (Milling)
SDCT ○○○○○□□-□□	H23	Insert (Milling)
SDCT ○○○○○□%□-□□	H23	Insert (Milling)
SDET ○○○○○□□-□□	H23	Insert (Milling)
SDET ○○○○○□%□-□□	H23	Insert (Milling)
SDKN ○○AUFN	B10	Insert (Milling)
SDKN ○○○AUFN-NE	-	Insert (Milling)
SDKN ○○(○)(○)AUTN	B10	Insert (Milling)
SDKR ○○AUEN-S	B10	Insert (Milling)
SDKW ○○○AESN	B22	Insert (Milling)
SDKW ○○○AETN	B22	Insert (Milling)
SDKW ○○(□)○○○FN	B22	Insert (Milling)
SDKW ○○(□)○○○TN	B22	Insert (Milling)
SDMR ○○AUER-H	B10	Insert (Milling)
SDMT ○○.○○	B22	Insert (Milling)
SDMT ○○○AESR-H	B22	Insert (Milling)
SDMT ○○○(○)(○)(○)E-K	B22	Insert (Milling)
SDMT ○○○E-K	B22	Insert (Milling)
SE-3070TRP	H20-H21, P6	Spare Parts (Screw)
SE-40050TRN	H9-H10, P6	Spare Parts (Screw)
SE-40055TR	H9-H10, P6	Spare Parts (Screw)
SE-40068TR	H9-H10, P6	Spare Parts (Screw)
SE-40080TR	H10, P6	Spare Parts (Screw)
SE-40090TR	H9-H10, P6	Spare Parts (Screw)
SE-40100TR	H10, P6	Spare Parts (Screw)
SE-40120TR	P6	Spare Parts (Screw)
SE-50125TR	P6	Spare Parts (Screw)
SEEN ○○AFFN	B26	Insert (Milling)
SEEN ○○AFFR-W	B10, B26	Insert (Milling)
SEEN ○○AFTN	B10	Insert (Milling)
SEEN ○○AFTR-W	B10	Insert (Milling)
SEKN ○○AFFN	B10	Insert (Milling)
SEKN ○○AFTN	B10	Insert (Milling)
SEKN ○○EFTR	B10	Insert (Milling)
SEKR ○○AFEN-S	B10	Insert (Milling)
SEKT ○○AFEN-S	B22	Insert (Milling)
SEKW ○○AFTN	B22	Insert (Milling)
SEKW ○○○FN	B22	Insert (Milling)
SEKW ○○○TN	B22	Insert (Milling)
SEMM ○○(□)○○○(○)PESR	B22	Insert (Milling)
SEMR ○○AFER-H	B10	Insert (Milling)
SEMT ○○○	B22	Insert (Milling)
SH-50150TR	C16, P6	Spare Parts (Cartridge Clump Screw)
SH3X6	E49	Spare Parts (Screw)
SLT ○○-○○□□	H6	Insert (Slot Mill MSTA)
SNCN ○○XNTN	B11	Insert (Milling)
SNKN ○○XNTN	B11	Insert (Milling)
SNM ○○○	B11	Insert (Milling)
SNMF ○○XNTN	B11	Insert (Milling)
SOKN 13T3AXFN	B10	Insert (Milling)
SOKN 13T3AXFN-NE	B26	Insert (Milling)
SOKN 13T3AXTN	B10	Insert (Milling)
SOKR 13T3AXEN-J	B10	Insert (Milling)
SOMT ○○○AXEN-J	B22	Insert (Milling)
SOMT ○○○○○ER-FL	B17	Insert (Milling)
SOMT ○○○○○ER-GM	B17	Insert (Milling)
SOMT ○○○○○ER-LD	B17	Insert (Milling)
SOMW ○○○AXFN	B22	Insert (Milling)
SOMW ○○○AXTN	B22	Insert (Milling)

Part Number	Page	Description
SP-2D	P18	Spare Parts (Spring)
SP-3D	P18	Spare Parts (Spring)
SP-5	P18	Spare Parts (Spring)
SP-5D	P18	Spare Parts (Spring)
SP-6	P18	Spare Parts (Spring)
SP-8	P18	Spare Parts (Spring)
SP3X4	P6	Spare Parts (Screw)
SP3X6	C22, P6	Spare Parts (Screw)
SP3X8	D8, E49, P6	Spare Parts (Screw)
SP3X10	P6	Spare Parts (Screw)
SP4X9	C18, P6	Spare Parts (Screw)
SP8X35	P6	Spare Parts (Mounting Bolt)
SP-129	P10	Spare Parts (Shim)
SP-130A	P11	Spare Parts (Shim)
SP-141	P10	Spare Parts (Shim)
SP-141P	P11	Spare Parts (Shim)
SP-143	P10	Spare Parts (Shim)
SP-143P	P11	Spare Parts (Shim)
SP-148	P10	Spare Parts (Shim)
SP-162	P10	Spare Parts (Shim)
SP-210A	P11	Spare Parts (Shim)
SP-219	P10	Spare Parts (Shim)
SP-221	P10	Spare Parts (Shim)
SP-223	P10	Spare Parts (Shim)
SP-230P	P11	Spare Parts (Shim)
SP-341P	P11	Spare Parts (Shim)
SP-342	P10	Spare Parts (Shim)
SP-420A	P11	Spare Parts (Shim)
SP-429	P11	Spare Parts (Shim)
SP-441	P10	Spare Parts (Shim)
SP-441P	P11	Spare Parts (Shim)
SP-443	P10	Spare Parts (Shim)
SP-443P	P11	Spare Parts (Shim)
SP-454	P10	Spare Parts (Shim)
SP-521	P11	Spare Parts (Shim)
SP-521P	P11	Spare Parts (Shim)
SP-523	P11	Spare Parts (Shim)
SP-523P	P11	Spare Parts (Shim)
SP-541	P11	Spare Parts (Shim)
SP-543	P11	Spare Parts (Shim)
SP-826	P11	Spare Parts (Shim)
SP-829	P11	Spare Parts (Shim)
SP-841	P11	Spare Parts (Shim)
SP-843	P11	Spare Parts (Shim)
SP-849	P11	Spare Parts (Shim)
SP-861	P11	Spare Parts (Shim)
SPCN ○○EDTR	B11	Insert (Milling)
SPCN ○○EETR1	B11	Insert (Milling)
SPCN ○○XPTR	B11	Insert (Milling)
SPCT ○○T○○○□□-□□	H22	Insert (Milling)
SPCT ○○T○○○□%□-□□	H22	Insert (Milling)
SPEN ○○○EEER	B11	Insert (Milling)
SPEN ○○○EESR	B11	Insert (Milling)
SPET ○○T○○○□%□-□□	H22	Insert (Milling)
SPG ○○○	B11	Insert (Milling)
SPKN ○○EDER	B11	Insert (Milling)
SPKN ○○EDFR	B11	Insert (Milling)
SPKN ○○EDT%	B11	Insert (Milling)
SPKN ○○XETR	B11	Insert (Milling)
SPKN ○○XPFR	B11	Insert (Milling)
SPKN ○○XPTR	B11	Insert (Milling)

GRADES A
LINEUP / INSERTS B
45° / 70° LEAD C
75° LEAD D
90° LEAD E
HIGH FEED F
MULTI-FUNCTION G
SLOT MILLS H
RADIUS / BALL-NOSE J
OTHER APPLICATIONS K
TOOL HOLDING O
SPARE PARTS P
TECHNICAL R
INDEX T

Part Numbers in Alphanumeric Order

○ : NUMBER □ : LETTER

Part Number	Page	Description
SPKR ○○EDER-S	B11	Insert (Milling)
SPM ○○○	B11	Insert (Milling)
SPMR ○○EDER-H	B11	Insert (Milling)
SPMT ○○○○EDER-NBO	B23	Insert (Milling)
SPMT ○○○○EDER-NBOP	B23	Insert (Milling)
SPMT ○○○○EDER-V	B23	Insert (Milling)
SPMT ○○○○EDS%-NB□	B23	Insert (Milling)
SPMT ○○○○○EN-NBO	B24	Insert (Milling)
SPMT ○○○○○EN-NBOP	B24	Insert (Milling)
SPMT ○○○○○EN-V	B24	Insert (Milling)
SPMT ○○○○○E-Z	B24	Insert (Milling)
SP-RC	P12	Spare Parts (Shim)
SPW-6045	E50, P6	Spare Parts (Screw)
SPW-7050	C2, C4, E44, P6	Spare Parts (Screw)
SS-4N	P6	Spare Parts (Shim Screw)
SV-60136R	E48, P6	Spare Parts (Screw)
SV-60136TR	C19, P6	Spare Parts (Screw)
SVN-32	P12	Spare Parts (Shim)
SVN-32N	P12	Spare Parts (Shim)
T		
T7	E70, E73, K4, K5	Spare Parts (Wrench)
T10	E70-E72, K5	Spare Parts (Wrench)
T15	E73, K4, K5	Spare Parts (Wrench)
TEEN ○OPTFR	B26	Insert (Milling)
TEEN ○OPTFR-NE	B26	Insert (Milling)
TEEN ○OPTTR	B12	Insert (Milling)
TEKN ○OPTFR	B12, B26	Insert (Milling)
TEKN ○OPTFR-NE	B26	Insert (Milling)
TEKN ○OPTTR	B12	Insert (Milling)
TEKR ○OPTFR-S	B12	Insert (Milling)
TEMR ○OPTFR-H	B12	Insert (Milling)
TEMT ○○○○○-AQ	B24	Insert (Milling)
TH-3L	H20-H21	Spare Parts (Wrench)
TH-4	C16, C22, P18	Spare Parts (Hexagon Wrench / T-Shape Type)
TH8X15	C22, P6	Spare Parts (Screw)
TN-32	P12	Spare Parts (Shim)
TN-43	P12	Spare Parts (Shim)
TNW-32	P12	Spare Parts (Shim)
TPG ○○○(○)(○)(○)	B12, B26	Insert (Milling)
TPK ○OPDFR	B12	Insert (Milling)
TPK ○OPDTR	B12	Insert (Milling)
TPKR ○OPDER-S	B12	Insert (Milling)
TPM ○○○	B12	Insert (Milling)
TPMR ○OPDER-H	B12	Insert (Milling)
TS-3S	P7	Spare Parts (Lock Pin)
TT-15	C2, C4, C10, C12, E44-E45, P18	Spare Parts (Torx Wrench / T-Shape Type)
TT-15L	H9	Spare Parts (Torx Wrench / T-Shape Type)
TT-25	J2, P18	Spare Parts (Torx Wrench / T-Shape Type)
TT-25L	D5, E56, E59, E61, P18	Spare Parts (Torx Wrench / T-Shape Type)
TT-30	J2, P18	Spare Parts (Torx Wrench / T-Shape Type)
TTC-20	C16, C19, P18	Spare Parts (Torx Wrench / T-Shape Type)
TTC-25	C18, E48, P18	Spare Parts (Torx Wrench / T-Shape Type)
TTP-20	F4, F6, F9, J6-J9, J13-J14, J17, P18	Spare Parts (Torx Wrench / T-Shape Type)
V		
VCMT ○○○HQ	B25, K4	API Insert (Ring Grooving)

Part Number	Page	Description
W		
W-6	P18	Spare Parts (Washer)
W-8	P18	Spare Parts (Washer)
W6-14	P18	Spare Parts (Washer)
W6X17	C19, P6	Spare Parts (Screw)
W6X18	H20-H21, P6	Spare Parts (Wedge Lock Screw)
W6X18N	C10, C12, P6	Spare Parts (Wedge Lock Screw)
W6X20	H20-H21, P6	Spare Parts (Wedge Lock Screw)
W8X16	E48, P6	Spare Parts (Screw)
W8X18	E49, P6	Spare Parts (Screw)
W8X21	C16, P6	Spare Parts (Wedge Lock Screw)
WB-5	P18	Spare Parts (Washer)
WB-6	P18	Spare Parts (Washer)
WB-8	P18	Spare Parts (Washer)
WC- ○○	H20-H21	Spare Parts (Wedge)
WCS-1N	P14	Spare Parts (Clamp Set)
WCS-8	P14	Spare Parts (Clamp Set)
WN-1	P19	Spare Parts (Shim Nut)
WNEU ○○○○○EN-GL	B17	Insert (Milling)
WNGT ○○○○○FN-AM	B17	Insert (Milling)
WNMU ○○○○○EN-GH	B17	Insert (Milling)
WNMU ○○○○○EN-GM	B17	Insert (Milling)
WNMU ○○○○○EN-SM	B17	Insert (Milling)
WOF07R	C16	Spare Parts (Wedge)
WP-1S	P7	Spare Parts (Shim Pin)
WP5X11	P7	Spare Parts (Shim Pin)
WP5X15	P7	Spare Parts (Shim Pin)
WSP-1	P18	Spare Parts (Spacer)
WTN-33	P12	Spare Parts (Shim)
WTN-33-20	P12	Spare Parts (Shim)
WWN-42	P12	Spare Parts (Shim)
WWP-42	P12	Spare Parts (Shim)
WWP-42-16	P12	Spare Parts (Shim)
X		
XNS610	C2, E44, F4, P6	Spare Parts (Mounting Screw)
XPMT ○○○○○○	B25	Insert (Milling)
XPMT ○○○○○○	B25	Insert (Milling)