

Index

T1~T21

Index Descriptions of the products described in this book are listed in alphabetic order.

T

Description Index

○ : Figure, □ : Alphabet

Description	Page	Category
Numeric (Threading Insert)		
06IR ○○○○(○)	J17,J19	Insert (Threading)
08IR ○○○○(○)	J17,J19	Insert (Threading)
11IR ○○BSPT	J13	Insert (Threading)
11IR ○○BSPT-TF	J13	Insert (Threading) / TF series
11IR ○○BSPT-TQ	J13	Insert (Threading) / TQ series
11IR/ℓ ○○○ISO	J7	Insert (Threading)
11IR ○○○ISO-TF	J7	Insert (Threading) / TF series
11IR ○○○ISO-TQ	J7	Insert (Threading) / TQ series
11IR ○○○○○	J17,J19	Insert (Threading)
11IR A○○	J17,J19	Insert (Threading)
16ER ○○BSPT	J12	Insert (Threading)
16ER ○○BSPT-TF	J12	Insert (Threading) / TF series
16ER ○○BSPT-TQ	J12	Insert (Threading) / TQ series
16ER ○○(○)NPT	J14	Insert (Threading)
16ER ○○UN	J8	Insert (Threading)
16ER ○○UN-TF	J8	Insert (Threading) / TF series
16ER ○○UN-TQ	J8	Insert (Threading) / TQ series
16ER ○○W	J10	Insert (Threading)
16ER ○○W-TF	J10	Insert (Threading) / TF series
16ER ○○W-TQ	J10	Insert (Threading) / TQ series
16ER/ℓ ○○○ISO	J6	Insert (Threading)
16ER ○○○ISO-TF	J6	Insert (Threading) / TF series
16ER ○○○ISO-TQ	J6	Insert (Threading) / TQ series
16ER ○○○TR	J18	Insert (Threading)
16ER ○○○○	J16,J18	Insert (Threading)
16ER A○○	J16,J18	Insert (Threading)
16ER AG○○	J16,J18	Insert (Threading)
16ER G○○	J16,J18	Insert (Threading)
16ER A○○-TF	J16,J18	Insert (Threading) / TF series
16ER A○○-TQ	J16,J18	Insert (Threading) / TQ series
16ER AG○○-TF	J16,J18	Insert (Threading) / TF series
16ER AG○○-TQ	J16,J18	Insert (Threading) / TQ series
16ER G○○-TF	J16,J18	Insert (Threading) / TF series
16ER G○○-TQ	J16,J18	Insert (Threading) / TQ series
16IR ○○BSPT	J13	Insert (Threading)
16IR ○○BSPT-TF	J13	Insert (Threading) / TF series
16IR ○○BSPT-TQ	J13	Insert (Threading) / TQ series
16IR ○○(○)NPT	J15	Insert (Threading)
16IR ○○UN	J9	Insert (Threading)
16IR ○○UN-TF	J9	Insert (Threading) / TF series
16IR ○○UN-TQ	J9	Insert (Threading) / TQ series
16IR ○○W	J11	Insert (Threading)
16IR ○○W-TF	J11	Insert (Threading) / TF series
16IR ○○W-TQ	J11	Insert (Threading) / TQ series
16IR/ℓ ○○○ISO	J7	Insert (Threading)
16IR ○○○ISO-TF	J7	Insert (Threading) / TF series
16IR ○○○ISO-TQ	J7	Insert (Threading) / TQ series
16IR ○○○TR	J19	Insert (Threading)
16IR ○○○○(○)	J17,J19	Insert (Threading)
16IR A○○	J17,J19	Insert (Threading)
16IR AG○○	J17,J19	Insert (Threading)
16IR G○○	J17,J19	Insert (Threading)
22ER ○○UN	J8	Insert (Threading)
22ER ○○○ISO	J6	Insert (Threading)
22ER ○○○TR	J18	Insert (Threading)
22ER N○○	J16,J18	Insert (Threading)
22IR ○○UN	J9	Insert (Threading)
22IR ○○○ISO	J7	Insert (Threading)
22IR ○○○TR	J19	Insert (Threading)
22IR N○○	J17,J19	Insert (Threading)
Numeric (Solid Tools)		
2FEKM ○○○-○○○-○○	L12	Solid End Mill
2FEKS ○○○-○○○-○○	L12	Solid End Mill

Description	Page	Category
2FESL ○○○-○○○-○○	L11	Solid End Mill
2FESM ○○○-○○○-○○	L10,L11	Solid End Mill
2FESS ○○○-○○○-○○	L10	Solid End Mill
2FESW ○○○-○○○-○○(A)	L14	Solid End Mill (for Automatic Lathes)
2NFESM ○○○-○○○-○○	L56	Solid End Mill
2SEB ○○○-○○○-R○○	L43	Solid End Mill (Ball-nose)
2UEBS ○○○-○○○-○○	L44	Solid End Mill (Ball-nose)
2ZDF ○○○○○-KCD	L61	Solid Drill (Diamond Coated)
2ZDK ○○○	L76	Flat Drill
2ZDK ○○○S	L74,L75	Flat Drill
2ZDK ○○○S-P	L74	Flat Drill
3AESL ○○○-○○○-○○	L57	Solid End Mill
3AESM ○○○-○○○-○○	L57	Solid End Mill
3AFK ○○○-○○○(-○○○)	L52,L53	Solid End Mill
3FESW ○○○-○○○-○○(A)	L14	Solid End Mill (for Automatic Lathes)
3NESM ○○○-○○○-○○	L55	Solid End Mill
3NFSL ○○○-○○○-○○	L56	Solid End Mill
3NFESM ○○○-○○○-○○	L56	Solid End Mill
3RDSL ○○○-○○○-○○	L40	Solid End Mill
3RDSM ○○○-○○○-○○	L40	Solid End Mill
3RFRS ○○○-○○○-○○-R○○○	L41	Solid End Mill
3UEBS ○○○-○○○-○○	L44	Solid End Mill (Ball-nose)
3UFESM ○○○-○○○-○○	L31	Solid End Mill
3ZFKM ○○○-○○○-○○	L29	Solid End Mill
3ZFKS ○○○-○○○-○○	L29	Solid End Mill
4FCX ○○○-○○○-KCD	L60	Solid End Mill (Diamond Coated)
4FEKM ○○○-○○○-○○	L13	Solid End Mill
4FESM ○○○-○○○-○○	L13	Solid End Mill
4FESW ○○○-○○○-○○	L15	Solid End Mill (for Automatic Lathes)
4HFESM ○○○-○○○-○○	L48	Solid End Mill
4HFSS ○○○-○○○-○○	L48	Solid End Mill
4JER ○○○-○○○-R○○	L36	Solid End Mill
4JER ○○○-○○○-R○○-XT	L36	Solid End Mill
4MFK ○○○-○○○	L19	Solid End Mill
4MFR ○○○-○○○-R○○	L19	Solid End Mill
4RDSL ○○○-○○○-○○	L40	Solid End Mill
4RDMS ○○○-○○○-○○	L40	Solid End Mill
4RFH ○○○-○○○	L39	Solid End Mill
4RFRS ○○○-○○○-○○-R○○○	L41	Solid End Mill
4RFESM ○○○-○○○-○○	L41	Solid End Mill
4TFK ○○○-○○○	L21	Solid End Mill
4TFR ○○○-○○○-R○○	L21	Solid End Mill
4TFR ○○○-○○○-R○○-XT	L21	Solid End Mill
4UGSM ○○○-○○○-○○	L49	Solid End Mill
4YEBM ○○○-○○○-○○	L45	Solid End Mill (Ball-nose)
5DEKM ○○○-○○○-○○	L30	Solid End Mill
5DERM ○○○-○○○-○○-R○○○	L30	Solid End Mill
5HFESM ○○○-○○○-○○	L48	Solid End Mill
5HFSS ○○○-○○○-○○	L48	Solid End Mill
5RDSL ○○○-○○○-○○	L40	Solid End Mill
5RDMS ○○○-○○○-○○	L40	Solid End Mill
5RFH ○○○-○○○	L39	Solid End Mill
6HFESM ○○○-○○○-○○	L48	Solid End Mill
6HFSS ○○○-○○○-○○	L48	Solid End Mill
6PDRS ○○○-○○○-○○	L46	Solid End Mill
6PFK ○○○-○○○(○)	L33	Solid End Mill
6RFH ○○○-○○○(○)	L39	Solid End Mill
6RFESM ○○○-○○○-○○	L41	Solid End Mill
6UGSM ○○○-○○○-○○	L49	Solid End Mill
7HFESM ○○○-○○○-○○	L48	Solid End Mill
7HFSS ○○○-○○○-○○	L48	Solid End Mill
8HFESM ○○○-○○○-○○	L48	Solid End Mill
8PFK ○○○-○○○(○)	L33	Solid End Mill
25M- ○○○-○○○	L63	Routers
29M- □○○○-○○○	L63	Routers
47MB ○○○-○○○	L54	Solid End Mill (Ball-nose)

Description	Page	Category
47ML ○○○-○○○	L54	Solid End Mill
51M ○○○-○○○	L34	Solid End Mill
51MCR ○○○-○○○-R○○	L35	Solid End Mill
51ML ○○○-○○○	L34	Solid End Mill
51MLC ○○○-○○○-R○○	L35	Solid End Mill
56MB ○○○-○○○	L49	Solid End Mill (Ball-nose)
66M ○○○-○○○	L17	Solid End Mill
66MCR ○○○-○○○-R○○	L17	Solid End Mill
42718	L25	Solid End Mill (management number)
42722	L25	Solid End Mill (management number)
44604~44614	L54	Solid End Mill (management number)
45100~45111	L34	Solid End Mill (management number)
45112~45141	L35	Solid End Mill (management number)
46343~46356	L45	Solid End Mill (management number)
46357~46376	L24	Solid End Mill (management number)
46450~46468	L37	Solid End Mill (management number)
46620~46645	L17	Solid End Mill (management number)
46821~46904	L25	Solid End Mill (management number)
47001~47081	L27	Solid End Mill (management number)
51904	L66	Solid Drill (management number)
63575~63645	L67	Solid Drill (management number)
63900~63999	L66	Solid Drill (management number)
64800~64890	L71	Solid Drill (management number)
68643~68768	L68	Solid Drill (management number)
68965~69044	L69	Solid Drill (management number)
82991~82997	L63	Routers (management number)
85080~85091	L63	Routers (management number)
91349~91361	L49	Solid End Mill (management number)
Numeric		
556C%	D25,P8	Spare Parts (Shim)
A		
A○○□- DCLN%○○-○○	F69	Boring Bars (Double Clamp)
A○○□- DDUN%○○-○○	F72	Boring Bars (Double Clamp)
A○○□- DSKN%○○-○○	F75	Boring Bars (Double Clamp)
A○○□- DTFN%○○-○○	F76	Boring Bars (Double Clamp)
A○○□- DWLN%○○-○○	F79	Boring Bars (Double Clamp)
A○○□- PCLNR○○-○○	F70	Boring Bars
A○○□- PDUNR○○-○○	F71	Boring Bars
A○○□- PTUNR○○-○○	F77	Boring Bars
A○○□- PVLNR○○-○○	F78	Boring Bars
A○○□- SCLC%○○-○○AE	F41	Boring Bars (Dynamic Bar)
A○○□- SCLC%○○-○○OE	F90,P23	Boring Bars (Discontinued Description)
A○○□- SCLP%○○-○○AE	F43	Boring Bars (Dynamic Bar)
A○○□- SCLP%○○-○○OE	F90,P23	Boring Bars (Discontinued Description)
A○○□- SDQC%○○-○○AE	F46	Boring Bars (Dynamic Bar)
A○○□- SDUC%○○-○○AE	F45	Boring Bars (Dynamic Bar)
A○○□- SDZC%○○-○○AE	F47	Boring Bars (Dynamic Bar)
A○○□- STLC%○○-○○AE	F49	Boring Bars (Dynamic Bar)
A○○□- STLP%○○-○○AE	F51	Boring Bars (Dynamic Bar)
A○○□- STUP%○○-○○OE	F90,P23	Boring Bars (Discontinued Description)
A○○□- SVJB%○○-○○AE	F54	Boring Bars (Dynamic Bar)
A○○□- SVJC%○○-○○AE	F54	Boring Bars (Dynamic Bar)
A○○□- SVJP%○○-○○AE	F54	Boring Bars (Dynamic Bar)
A○○□- SVPB%○○-○○AE	F56	Boring Bars (Dynamic Bar)
A○○□- SVPC%○○-○○AE	F56	Boring Bars (Dynamic Bar)
A○○□- SVUB%○○-○○AE	F59	Boring Bars (Dynamic Bar)
A○○□- SVUC%○○-○○AE	F59	Boring Bars (Dynamic Bar)
A○○□- SVZB%○○-○○AE	F59	Boring Bars (Dynamic Bar)
A○○□- SVZC%○○-○○AE	F59	Boring Bars (Dynamic Bar)
A○○□- SWUB%○○-○○AE	F61	Boring Bars (Dynamic Bar)
A○○□- SWUP%○○-○○AE	F61	Boring Bars (Dynamic Bar)
AABSR ○○○□(□)-○○F	E17,E48,P20	Toolholder (Back Turning)
AABWR ○○○□(□)-○○F	E18,E19,E48,P20	Toolholder (Back Turning)
ABS ○○R○○○○	B102,E17	Insert (Back Turning)

Description	Page	Category
ABS ○○R○○○○M	B102,E17	Insert (Back Turning)
ABW ○○R○○○○	B102,E18,E19	Insert (Back Turning)
ABW ○○R○○○○M	B102,E18,E19	Insert (Back Turning)
ACLC% ○○○○□-○○F	E48,P21	Toolholder (Turning/Discontinued Description)
ACLC% ○○○○□□-○○FF	E22	Toolholder (Turning)
AD○○□	F68	Boring Bars (AD Bar Adaptor)
ADJC% ○○○○□□-○○F	E48,P21	Toolholder (Turning/Discontinued Description)
ADJC% ○○○○□□-○○FF	E24	Toolholder (Turning)
ADNCR ○○○○□-○○F	E48,P21	Toolholder (Turning/Discontinued Description)
AJ- ○(○)×○○(-○.○)	K29,P2	Spare Parts (Adjustment Screw / Chamfering Attachment)
AJ-519TR	M37,P2	Spare Parts (Adjustment Screw)
AJ-4170	M185	Spare Parts (Adjustment Screw)
AJM5F	N22,N23,N24	Spare Parts (Axial adjustment screw)
AJM6	N22	Spare Parts (Axial adjustment screw)
AP-1416	M152,M153	Spare Parts (Cam Pin)
AP-1820	M152,M153	Spare Parts (Cam Pin)
APMT ○○○○○○E%-NB○	M18	Insert (Milling)
APMT ○○○○○○ER-NB○P	M18	Insert (Milling)
AVJB% ○○○○□-○○F	E48,P21	Toolholder (Turning/Discontinued Description)
AVJB% ○○○○□□-○○FF	E30	Toolholder (Turning)
AVVB% ○○○○□-○○F	E48,P21	Toolholder (Turning/Discontinued Description)
B		
BB-G1/8	D11,G27	Spare Parts (Banjo bolt)
BB-M10X1.5	D11,G27	Spare Parts (Banjo bolt)
BCS -○	H35,P13	Spare Parts (Clamp Set)
BDGT ○○○○○○FR	C35,M25	Insert (Milling)
BDGT ○○○○○○FR-JA	M18	Insert (Milling)
BDGT ○○○○○○FR-LE	C35,M25	Insert (Milling)
BDMT ○○○○○○ER-JS	M18	Insert (Milling)
BDMT ○○○○○○ER-JT	M18,M19	Insert (Milling)
BDMT ○○○○○○ER-NO	M19	Insert (Milling)
BDMT ○○○○○○FR	C35,M25	Insert (Milling)
BGIAR ○○-○	G68	Blade (Grooving)
BH3X6	F83,P2	Spare Parts (Screw)
BH3X12	D35,D36,D37,P2	Spare Parts (Screw)
BH6X10TR	G29,G30,G31,G82,G86,G87,H25,P2	Spare Parts (Screw)
BH6X25	G10,P2	Spare Parts (Screw)
BT○○K- M○○-○○	M52	BT Arbor (for Modular End Mill)
C		
○○○□- SCLC%○○-○○	F92,P23	Boring Bars (Discontinued Description)
○○○□- SCLC%○○-○○A	F92,P23	Boring Bars (Discontinued Description)
○○○□- SCLC%○○-○○AN	F41	Boring Bars (Dynamic Bar)
○○○□- SCLC%○○-○○AS	F89	Boring Bars (Assembly/AS) / Discontinued Description)
○○○○□- SCLCRO○-○○○EZ	F19	Boring Bars (EZ Bar PLUS)
○○○○□- SCLCRO○-○○○EZP	F19	Boring Bars (EZ Bar PLUS)
○○○□- SCLP%○○-○○	F92,P23	Boring Bars (Discontinued Description)
○○○□- SCLP%○○-○○-○/○	F92,P23	Boring Bars (Discontinued Description)
○○○□- SDUC%○○-○○	F92,P23	Boring Bars (Discontinued Description)
○○○□- SJLC%○○-○○○	F48	Boring Bars
○○○□- SJZC%○○-○○○	F48	Boring Bars
○○○□- STLB%○○-○○A	F92,P23	Boring Bars (Discontinued Description)
○○○□- STLB%○○-○○AN	F51	Boring Bars (Dynamic Bar)
○○○○□- STLBRO○-○○○EZP	F20	Boring Bars (EZ Bar PLUS)
○○○○□- STLPRO○-○○○EZP	F20	Boring Bars (EZ Bar PLUS)
○○○□- STUB%○○-○○	F92,P23	Boring Bars (Discontinued Description)
○○○□- STUP%○○-○○	F92,F93,P23	Boring Bars (Discontinued Description)
○○○□- STUP%○○-○○-○/○	F92,F93,P23	Boring Bars (Discontinued Description)
○○○□- STUPRO○-○○-AS	F89	Boring Bars (Assembly/AS) / Discontinued Description)
○○○□- STXB%○○-○○○	F53	Boring Bars
○○○□- STXP%○○-○○	F53	Boring Bars
○○○□- STZB%○○-○○○	F53	Boring Bars
○○○□- SWUB%○○-○○	F93,P24	Boring Bars (Discontinued Description)
○○○□- SWUB%○○-○○A	F93,P24	Boring Bars (Discontinued Description)

Insert Grades
Turnable Inserts
CNC & PC Tools
External
Small Parts
Machining
Boring
Grooving
Cut-off
Threading
Drilling
Solid Tools
Milling
Tools for Mill
Spare Parts
Technical Information
Index

A
B
C
D
E
F
G
H
J
K
L
M
N
P
R
T

Description Index

○ : Figure, □ : Alphabet

Description	Page	Category
○○○□- SWUB%○○-○○AN	F61	Boring Bars (Dynamic Bar)
○○○□- SWUB%○○-○○AS	F89	Boring Bars (Assembly/AS) / Discontinued Description)
○○○□- SWUB%○○-○○-○/○	F93,P24	Boring Bars (Discontinued Description)
○○○○□- SWUBR○○-○○○EZP	F21	Boring Bars (EZ Bar PLUS)
○○○□- SWUP%○○-○○	F93,P24	Boring Bars (Discontinued Description)
○○○□- SWUP%○○-○○-○/○	F93,P24	Boring Bars (Discontinued Description)
C08R	M185,P15	Spare Parts (Clamp)
C09N	M36,M37,P15	Spare Parts (Clamp)
C17R	P15	Spare Parts (Clamp)
C20R	P15	Spare Parts (Clamp)
C25R	P15	Spare Parts (Clamp)
C90SD ○○○○-12%L	M152,M153	Spare Parts (Cartridge)
C90SP ○○○○-10%L	M152,M153	Spare Parts (Cartridge)
CB-11	D27,D36,D37,P16	Spare Parts (Chipbreaker)
CB-12	D28,F81,P16	Spare Parts (Chipbreaker)
CB-13	D28,F81,P16	Spare Parts (Chipbreaker)
CB-14	D25,P16	Spare Parts (Chipbreaker)
CB-15	D25,P16	Spare Parts (Chipbreaker)
CB-16	D24,D25,F81,P16	Spare Parts (Chipbreaker)
CB-17	D24,P16	Spare Parts (Chipbreaker)
CB-51	D27,P16	Spare Parts (Chipbreaker)
CB-S3220	E44,P16	Spare Parts (Chipbreaker)
CB-S4220	E44,P16	Spare Parts (Chipbreaker)
CBSN%L ○○○○□-○○	D40	Toolholder (Turning)
CBSN%L ○○○○B-12-A20	F64	Boring Bars (for Bearing Machining)
CB-T2212	E45,P16	Spare Parts (Chipbreaker)
CB-T3220	E45,P16	Spare Parts (Chipbreaker)
CC-125-MFAH	M184	Spare Parts (Coolant Cover)
CC-160-MFAH	M184	Spare Parts (Coolant Cover)
CC-200-MFAH	M184	Spare Parts (Coolant Cover)
CC-250-MFAH	M184	Spare Parts (Coolant Cover)
CC-315-MFAH	M184	Spare Parts (Coolant Cover)
CCET ○○○○○○(○)F%L-USF	B57	Insert (Turning)
CCET ○○○○○○(○)MF%L-J	B59	Insert (Turning)
CCET ○○○○○○(○)MF%L-U	B57	Insert (Turning)
CCET ○○○○○○(○)MF%L-USF	B57	Insert (Turning)
CCET ○○○○○○(○)M%L-F	B56	Insert (Turning)
CCET ○○○○○○(○)M%L-FSF	B55	Insert (Turning)
CCET ○○○○○○M%L-P	B57	Insert (Turning)
CCET ○○○○○○(○)%L-FSF	B55	Insert (Turning)
CCGT ○○○○○○	B54	Insert (Turning)
CCGT ○○○○○○AH	B60	Insert (Turning)
CCGT ○○○○○○AP	B60	Insert (Turning)
CCGT ○○○○○○E%L-U	B59	Insert (Turning)
CCGT ○○○○○○(○)F%L-U	B58	Insert (Turning)
CCGT ○○○○○○(○)M	B54	Insert (Turning)
CCGT ○○○○○○M-CF	B53	Insert (Turning)
CCGT ○○○○○○ME%L-U	B59	Insert (Turning)
CCGT ○○○○○○(○)MF	B55	Insert (Turning)
CCGT ○○○○○○MF-GF	B53	Insert (Turning)
CCGT ○○○○○○MF-GQ	B53	Insert (Turning)
CCGT ○○○○○○MFP-GF	B53	Insert (Turning)
CCGT ○○○○○○MFP-GQ	B54	Insert (Turning)
CCGT ○○○○○○MFP-PF	B53	Insert (Turning)
CCGT ○○○○○○MFP-SK	B53	Insert (Turning)
CCGT ○○○○○○(○)MF%L-U	B58	Insert (Turning)
CCGT ○○○○○○MP-CF	B53	Insert (Turning)
CCGT ○○○○○○MP-CK	B53	Insert (Turning)
CCGT ○○○○○○(○)M%L-F	B56	Insert (Turning)
CCGT ○○○○○○%L-A3	B60	Insert (Turning)
CCGT ○○○○○○(○)%L-F	B56	Insert (Turning)
CCGW ○○○○○○	B60,C24	Insert (Turning)
CCGW ○○○○○○ONE	C24	Insert (Turning)
CCGW ○○○○○○SE	C24	Insert (Turning)
CCLN%L ○○○○□-○○	D24,P20	Toolholder (Turning)

Description	Page	Category
CCLN%L ○○○○□-○○A	D34,P20	Toolholder (Turning)
CCLN%L ○○○○□-○○GX	D30	Toolholder (Turning)
CCMT ○○○○○○	B54,C24	Insert (Turning)
CCMT ○○○○○○GK	B54	Insert (Turning)
CCMT ○○○○○○HQ	B54	Insert (Turning)
CCMT ○○○○○○MQ	B55	Insert (Turning)
CCMT ○○○○○○NE	C24	Insert (Turning)
CCMT ○○○○○○PP	B54	Insert (Turning)
CCMT ○○○○○○SE	C24	Insert (Turning)
CCMT ○○○○○○WP	B54	Insert (Turning)
CCMW ○○○○○○MEF	C14	Insert (Turning)
CCMW ○○○○○○S○○○○○MES	C14	Insert (Turning)
CCMW ○○○○○○S○○○○○MET	C14	Insert (Turning)
CCMW ○○○○○○S○○○○○SET	C14	Insert (Turning)
CCMW ○○○○○○T○○○○○ME	C14	Insert (Turning)
CCMW ○○○○○○T○○○○○SE	C14	Insert (Turning)
CCRN%L ○○○○□-○○A	D34	Toolholder (Turning)
CDHN%L ○○○○□-○○GX	D31	Toolholder (Turning)
CDJN%L ○○○○□-○○	D25	Toolholder (Turning)
CDJN%L ○○○○□-○○GX	D31	Toolholder (Turning)
CE-010	D24,D25,F81,P13	Spare Parts (Clamp Set)
CE-020	D27,D28,D36,D37,P13	Spare Parts (Clamp Set)
CE-030	D29,P13	Spare Parts (Clamp Set)
CE-030A	D27,D29,D34,D35, D36,D37,D38,P13	Spare Parts (Clamp Set)
CE-040	D27,D29,D37,P13	Spare Parts (Clamp Set)
CE-220	D24,D27,P13	Spare Parts (Clamp Set)
CE-320	F81,P13	Spare Parts (Clamp Set)
CE-360S	F83,P13	Spare Parts (Clamp Set)
CE-410	D30,D31,D32, D33,F82,P13	Spare Parts (Clamp Set)
CE-430	D31,P13	Spare Parts (Clamp Set)
CELN%L ○○○○□-○○	D25	Toolholder (Turning)
CGA-3%L	G45,P15	Spare Parts (Clamp)
CGA-4%L	G45,P15	Spare Parts (Clamp)
CGA-5%L	G45,P15	Spare Parts (Clamp)
CGB%L	G10,P15	Spare Parts (Clamp)
CGH-1%L	G44,G66,P15	Spare Parts (Clamp)
CGH-2%L	G44,G66,P15	Spare Parts (Clamp)
CGH-3%L	G44,P15	Spare Parts (Clamp)
CGIA-3R	G68,P15	Spare Parts (Clamp)
CGIA-4R	G68,P15	Spare Parts (Clamp)
CGIA-5R	G68,P15	Spare Parts (Clamp)
CH0503-45	K48,K49	Insert (Drilling) / Chamfering
CH-20R	M42,P15	Spare Parts (Clamp)
CIN%L ○○○○S-○○	J23	Toolholder (Threading)
CL63-1	N11,N12,N13,N14,N15, N16,N17,N18,P19	Spare Parts (Coolant Pipe)
CL100-1	N11,N12,N18,P19	Spare Parts (Coolant Pipe)
CNGA ○○○○○○	B21	Insert (Turning)
CNGA ○○○○○○ME4	C6	Insert (Turning)
CNGA ○○○○○○MEF	C6	Insert (Turning)
CNGA ○○○○○○S○○○○○	B106	Insert (Turning)
CNGA ○○○○○○S○○○○○ME	C6	Insert (Turning)
CNGA ○○○○○○S○○○○○MEH	C6	Insert (Turning)
CNGA ○○○○○○S○○○○○MEP	C6	Insert (Turning)
CNGA ○○○○○○S○○○○○MET	C6	Insert (Turning)
CNGA ○○○○○○S○○○○○MEW	C6	Insert (Turning)
CNGA ○○○○○○S○○○○○SE	C7	Insert (Turning)
CNGA ○○○○○○S○○○○○SET	C7	Insert (Turning)
CNGA ○○○○○○T○○○○○	B106	Insert (Turning)
CNGA ○○○○○○T○○○○○ME	C6	Insert (Turning)
CNGG ○○○○○○AH	B22	Insert (Turning)
CNGG ○○○○○○FP-TK	B19	Insert (Turning)
CNGG ○○○○○○HQ	B16	Insert (Turning)
CNGG ○○○○○○MFP-SK	B19	Insert (Turning)
CNGG ○○○○○○%L	B22	Insert (Turning)

Description	Page	Category
CNGG ○○○○○○%/-25R	B22	Insert (Turning)
CNGG ○○○○○○%/-A3	B22	Insert (Turning)
CNGG ○○○○○○%/-S	B22	Insert (Turning)
CNGG ○○○○○○TK	B19	Insert (Turning)
CNGG ○○○○○○Z	B22	Insert (Turning)
CNGM ○○○○○○ME-H□	C7	Insert (Turning)
CNGM ○○○○○○S○○○○○BBO	C7	Insert (Turning)
CNGN ○○○○○○S○○○○○	B106	Insert (Turning)
CNGN ○○○○○○T○○○○○	B106	Insert (Turning)
CNGU ○○○○○○MER-U	B50	Insert (Turning)
CNGU ○○○○○○(○)MFR-F	B50	Insert (Turning)
CNGU ○○○○○○(○)MFR-U	B50	Insert (Turning)
CNGU ○○○○○○MF-SK	B50	Insert (Turning)
CNGU ○○○○○○MFP-SK	B50	Insert (Turning)
CNGX ○○○○○○T○○○○○	B106	Insert (Turning)
CNMA ○○○○○○	B21	Insert (Turning)
CNMA ○○○○○○S○○○○○	B106	Insert (Turning)
CNMG ○○○○○○	B18	Insert (Turning)
CNMG ○○○○○○AH	B22	Insert (Turning)
CNMG ○○○○○○C	B21	Insert (Turning)
CNMG ○○○○○○CJ	B17	Insert (Turning)
CNMG ○○○○○○CQ	B17	Insert (Turning)
CNMG ○○○○○○GC	B21	Insert (Turning)
CNMG ○○○○○○GP	B16	Insert (Turning)
CNMG ○○○○○○GS	B17	Insert (Turning)
CNMG ○○○○○○GT	B18	Insert (Turning)
CNMG ○○○○○○HQ	B16	Insert (Turning)
CNMG ○○○○○○HS	B17	Insert (Turning)
CNMG ○○○○○○KG	B21	Insert (Turning)
CNMG ○○○○○○KH	B21	Insert (Turning)
CNMG ○○○○○○KQ	B21	Insert (Turning)
CNMG ○○○○○○MQ	B20	Insert (Turning)
CNMG ○○○○○○MS	B20	Insert (Turning)
CNMG ○○○○○○MU	B20	Insert (Turning)
CNMG ○○○○○○PG	B17	Insert (Turning)
CNMG ○○○○○○PH	B18	Insert (Turning)
CNMG ○○○○○○PP	B16	Insert (Turning)
CNMG ○○○○○○PQ	B16	Insert (Turning)
CNMG ○○○○○○PS	B17	Insert (Turning)
CNMG ○○○○○○PT	B18	Insert (Turning)
CNMG ○○○○○○SG	B20	Insert (Turning)
CNMG ○○○○○○SQ	B20	Insert (Turning)
CNMG ○○○○○○TK	B19	Insert (Turning)
CNMG ○○○○○○TN-V	B17	Insert (Turning)
CNMG ○○○○○○WE	B16	Insert (Turning)
CNMG ○○○○○○WF	B16	Insert (Turning)
CNMG ○○○○○○WP	B16	Insert (Turning)
CNMG ○○○○○○WQ	B16	Insert (Turning)
CNMG ○○○○○○XF	B19	Insert (Turning)
CNMG ○○○○○○XP	B19	Insert (Turning)
CNMG ○○○○○○XQ	B19	Insert (Turning)
CNMG ○○○○○○XS	B19	Insert (Turning)
CNMG ○○○○○○ZS	B21	Insert (Turning)
CNMM ○○○○X%/-SX	B21	Insert (Turning)
CNMM ○○○○○○M	C23	Insert (Turning)
CNMM ○○○○○○M-NE	C23	Insert (Turning)
CNMM ○○○○○○M-SE	C23	Insert (Turning)
CNMM ○○○○○○PX	B19	Insert (Turning)
CNMM ○○○○○○S○○○○○	C19	Insert (Turning)
CNMM ○○○○○○T○○○○○	B106	Insert (Turning)
CNMM ○○○○○○E-GK	B50	Insert (Turning)
CP-2D	D16,F76,P16	Spare Parts (Clamp)
CP-3D	D8,D12,D14,D22,F69,F72,F75,F76,F79,P16	Spare Parts (Clamp)
CP-3D-%/-JCT	D8	Spare Parts (Clamp)

Description	Page	Category
CP-3D-S	N3,N4,N6	Spare Parts (Clamp)
CP-4D-%/-JCT	D12	Spare Parts (Clamp)
CP-5D	D18,P16	Spare Parts (Clamp)
CP-5D-S	N5,N6	Spare Parts (Clamp)
CP-8TE	P16	Spare Parts (Clamp)
CP-8W	M103,P16	Spare Parts (Clamp)
CP8X15TL	P2	Spare Parts (Screw)
CP8X23TL	P2	Spare Parts (Screw)
CPGB ○○○○○○S○○○○○MES	C14	Insert (Turning)
CPGB ○○○○○○S○○○○○MET	C14	Insert (Turning)
CPGB ○○○○○○S○○○○○SET	C14	Insert (Turning)
CPGB ○○○○○○T○○○○○ME	C14	Insert (Turning)
CPGB ○○○○○○T○○○○○SE	C14	Insert (Turning)
CPMB ○○○○○○	B61	Insert (Turning)
CPMH ○○○○○○	B61,C25	Insert (Turning)
CPMH ○○○○○○HQ	B61	Insert (Turning)
CPMH ○○○○○○NE	C25	Insert (Turning)
CPMH ○○○○○○%/-Y	B61	Insert (Turning)
CPMH ○○○○○○SE	C25	Insert (Turning)
CPMT ○○○○○○GP	B61	Insert (Turning)
CPMT ○○○○○○PP	B61	Insert (Turning)
CPMT ○○○○○○XP	B61	Insert (Turning)
CPMT ○○○○○○XQ	B61	Insert (Turning)
CP-RC%	D40,F64,P13	Spare Parts (Clamp Set)
CPS-1	F63,P14	Spare Parts (Clamp Set)
CPS-2	F62,F63,P14	Spare Parts (Clamp Set)
CPS-2P	E44,E45,P14	Spare Parts (Clamp Set)
CPS-2S	P14	Spare Parts (Clamp Set)
CPS-2TR	M105,P14	Spare Parts (Clamp Set)
CPS-3	E44,E45,F62,F63,P14	Spare Parts (Clamp Set)
CPS-4V	G61,N23,P14	Spare Parts (Clamp Set)
CPS-5E	P14	Spare Parts (Clamp Set)
CPS-5F	G61,M190,P14	Spare Parts (Clamp Set)
CPS-5%	D19,P14	Spare Parts (Clamp Set)
CPS-5S	J20,J23,N9,N17,P14	Spare Parts (Clamp Set)
CPS-5S-R-JCT	J21	Spare Parts (Clamp Set)
CPS-5V	G61,G94,G96,G106,N23,P14	Spare Parts (Clamp Set)
CPS-6F	M190,P14	Spare Parts (Clamp Set)
CPS-6M	P14	Spare Parts (Clamp Set)
CPS-6S	J20,J23,N17,P14	Spare Parts (Clamp Set)
CPS-6V	G61,G96,G99,G106,M192,P14	Spare Parts (Clamp Set)
CPS-8V	G96,G99,G106,P14	Spare Parts (Clamp Set)
CP-ST-R1/8	H15	Spare Parts (Coupling)
CRDNN ○○○○□-○○	D29	Toolholder (Turning)
CRDNN ○○○○□-○○A	D35	Toolholder (Turning)
CRSN% ○○○○□-○○	D29	Toolholder (Turning)
CRSN% ○○○○□-○○A	D35	Toolholder (Turning)
CR-MFK70R	M37	Spare Parts (Cartridge)
CS-2D	D16,F76,P2	Spare Parts (Screw)
CS-3D	D8,D12,D14,D22,F69,F72,F75,F76,F79,P2	Spare Parts (Screw)
CS-3D-TR	D8,D12,N3,N4,N5,N6	Spare Parts (Screw)
CS-5D	D18,P2	Spare Parts (Screw)
CSBP% ○○○○□-○○N	E44,P22	Toolholder (Turning)
CSDNN ○○○○□-○○	D27	Toolholder (Turning)
CSDNN ○○○○□-○○A	D37	Toolholder (Turning)
CSDNN ○○○○□-○○GX	D32	Toolholder (Turning)
CSDPN ○○○○□-○○N	E44	Toolholder (Turning)
CSKN% ○○○○□-○○	D27,P20	Toolholder (Turning)
CSKN% ○○○○□-○○A	D36	Toolholder (Turning)
CSKN% ○○○○□-○○GX	D33	Toolholder (Turning)
CSKPR ○○○○□-○○N	E44	Toolholder (Turning)
CS-N% ○○○○□-○○	D27,P20	Toolholder (Turning)
CS-N% ○○○○□-○○GX	D33	Toolholder (Turning)

Insert Grades
Turnable Inserts
CNM & CPD Tools
External
Small Parts
Boring
Grooving
Cut-off
Threading
Drilling
Solid Tools
Milling
Tools for
Spare Parts
Technical Information
Index

A
B
C
D
E
F
G
H
J
K
L
M
N
P
R
T

Description	Page	Category
CSRN% 0000□-00	D27	Toolholder (Turning)
CSRN% 0000□-00A	D36	Toolholder (Turning)
CSRN% 0000□-00GX	D32	Toolholder (Turning)
CSSN% 0000□-00	D27,P20	Toolholder (Turning)
CSSN% 0000□-00A	D37	Toolholder (Turning)
CSSN% 0000□-00GX	D32	Toolholder (Turning)
CSSP% 0000□-00N	E44	Toolholder (Turning)
CSYN% 0000□-00	D27,P20	Toolholder (Turning)
CSYN% 0000□-00A	D36	Toolholder (Turning)
CSYN% 0000□-00GX	D33	Toolholder (Turning)
CTOOT 0 -45A	K25,K26,K27,K29	Insert (Drilling) / Chamfering
CTDPR 00CA00	N23	Toolholder (Cartridge)
CTEPR 00CA00	N23	Toolholder (Cartridge)
CTFPR 00CA00	N23	Toolholder (Cartridge)
CTFP% 0000□-00N	E45	Toolholder (Turning)
CTGP% 0000□-00N	E45	Toolholder (Turning)
CTJN% 0000□-00	D28	Toolholder (Turning)
CTJN% 0000□-00A	D38	Toolholder (Turning)
CTTP% 0000□-00N	E45,P22	Toolholder (Turning)
CTUN% 0000□-00	D28	Toolholder (Turning)
CTUN% 0000□-00A	D38,P20	Toolholder (Turning)
D		
DA 0000M-FTP	K9	Insert (Drilling)
DA 0000M-GM	K6,K7,K8	Insert (Drilling)
DA 0000M-KM	K6,K7,K8	Insert (Drilling)
DC-42	F69,P8	Spare Parts (Shim)
DC-44	D8,N3,P8	Spare Parts (Shim)
DC-44-C	D8,N3,P8	Spare Parts (Shim)
DC 0000M-SC	K22,K23,K24	Insert (Drilling)
DCET 000000(○)F%-JSF	B70	Insert (Turning)
DCET 000000(○)F%-JSF	B68	Insert (Turning)
DCET 000000(○)MF%-J	B70	Insert (Turning)
DCET 000000(○)MF%-JSF	B70	Insert (Turning)
DCET 000000(○)MF%-U	B68	Insert (Turning)
DCET 000000(○)MF%-USF	B68	Insert (Turning)
DCET 000000(○)M%-F	B66	Insert (Turning)
DCET 000000(○)M%-FSF	B66	Insert (Turning)
DCET 000000(○)%L-FSF	B66	Insert (Turning)
DCGT 000000	B64	Insert (Turning)
DCGT 000000AH	B71	Insert (Turning)
DCGT 000000AP	B71	Insert (Turning)
DCGT 000000CF	B62	Insert (Turning)
DCGT 000000CK	B62	Insert (Turning)
DCGT 000000(○)E%-J	B71	Insert (Turning)
DCGT 000000E%-U	B69	Insert (Turning)
DCGT 000000(○)F%-J	B70	Insert (Turning)
DCGT 000000(○)F%-U	B68	Insert (Turning)
DCGT 000000(○)M	B64	Insert (Turning)
DCGT 000000M-CF	B62	Insert (Turning)
DCGT 000000M-CK	B62	Insert (Turning)
DCGT 000000(○)ME%-J	B71	Insert (Turning)
DCGT 000000ME%-U	B69	Insert (Turning)
DCGT 000000(○)MF	B64	Insert (Turning)
DCGT 000000MF-GF	B62	Insert (Turning)
DCGT 000000MF-GQ	B63	Insert (Turning)
DCGT 000000MFP-GF	B62	Insert (Turning)
DCGT 000000MFP-GQ	B63	Insert (Turning)
DCGT 000000MFP-SK	B62	Insert (Turning)
DCGT 000000(○)MF%-J	B70	Insert (Turning)
DCGT 000000(○)MF%-U	B69	Insert (Turning)
DCGT 000000MP-CF	B62	Insert (Turning)
DCGT 000000MP-CK	B63	Insert (Turning)
DCGT 000000(○)M%-F	B67	Insert (Turning)
DCGT 000000%-A3	B71	Insert (Turning)

Description	Page	Category
DCGT 000000(○)%L-F	B67	Insert (Turning)
DCGW 000000	B71	Insert (Turning)
DCLN% 0000□-00	D8	Toolholder (Turning)
DCLN% 0000□-00JCT	D8	Toolholder (Turning)
DCMT 000000	B64,C25	Insert (Turning)
DCMT 000000GK	B64	Insert (Turning)
DCMT 000000GP	B63	Insert (Turning)
DCMT 000000HQ	B64	Insert (Turning)
DCMT 000000MQ	B65	Insert (Turning)
DCMT 000000NE	C25	Insert (Turning)
DCMT 000000PP	B63	Insert (Turning)
DCMT 000000%-NE	C25	Insert (Turning)
DCMT 000000SE	C25	Insert (Turning)
DCMT 000000XP	B65	Insert (Turning)
DCMT 000000XQ	B65	Insert (Turning)
DCMW 000000MEF	C15	Insert (Turning)
DCMW 000000S00000MES	C15	Insert (Turning)
DCMW 000000S00000MET	C15	Insert (Turning)
DCMW 000000S00000SET	C15	Insert (Turning)
DCMW 000000T00000ME	C15	Insert (Turning)
DCMW 000000T00000SE	C15	Insert (Turning)
DCMX 000000%-WP	B63	Insert (Turning)
DCMX 000000WP	B63	Insert (Turning)
DD-42	F72,P8	Spare Parts (Shim)
DD-42-16	F72,P8	Spare Parts (Shim)
DD-43	D12,N4,P8	Spare Parts (Shim)
DD-44	D12,N4,P8	Spare Parts (Shim)
DDJN% 0000□-0000	D12	Toolholder (Turning)
DDJN% 0000□-00JCT	D12	Toolholder (Turning)
DDHN% 0000□-0000	D12	Toolholder (Turning)
DMC 000	M104,P29	End Mill
DMC 000H	M106	End Mill
DMC 000-S00	M104,P29	End Mill
DMC 000SX	M105	End Mill
DMC 000SX-000	M105	End Mill
DMC 000SXT	M105	End Mill
DN10	F8,F72,F75,F76,F79,P19	Spare Parts (Nozzle)
DN20	F8,F72,F75,F76,F79,P19	Spare Parts (Nozzle)
DNGA 000000ME4	C8	Insert (Turning)
DNGA 000000MEF	C8	Insert (Turning)
DNGA 000000S00000	B107	Insert (Turning)
DNGA 000000S00000ME	C8	Insert (Turning)
DNGA 000000S00000MEH	C8	Insert (Turning)
DNGA 000000S00000MEP	C8	Insert (Turning)
DNGA 000000S00000MET	C8	Insert (Turning)
DNGA 000000S00000SE	C9	Insert (Turning)
DNGA 000000T00000	B107	Insert (Turning)
DNGA 000000T00000ME	C8	Insert (Turning)
DNGG 000000AH	B30	Insert (Turning)
DNGG 000000FP-TK	B27	Insert (Turning)
DNGG 000000MFP-SK	B27	Insert (Turning)
DNGG 000000%L	B30	Insert (Turning)
DNGG 000000%L-A3	B30	Insert (Turning)
DNGG 000000%L-S	B30	Insert (Turning)
DNGG 000000TK	B27	Insert (Turning)
DNGM 000000ME-H□	C9	Insert (Turning)
DNGM 000000S00000BBO	C9	Insert (Turning)
DNGN 000000S00000	B107	Insert (Turning)
DNGN 000000T00000	B107	Insert (Turning)
DNGU 000000MER-U	B51	Insert (Turning)
DNGU 000000MFP-SK	B51	Insert (Turning)
DNGU 000000(○)MFR-F	B51	Insert (Turning)
DNGU 000000(○)MFR-U	B51	Insert (Turning)
DNGU 000000MF-SK	B51	Insert (Turning)
DNGX 000000T00000	B107	Insert (Turning)

Description	Page	Category
DNMA ○○○○○○	B30	Insert (Turning)
DNMG ○○○○○○	B26	Insert (Turning)
DNMG ○○○○○○AH	B30	Insert (Turning)
DNMG ○○○○○○C	B29	Insert (Turning)
DNMG ○○○○○○CJ	B24	Insert (Turning)
DNMG ○○○○○○CQ	B24	Insert (Turning)
DNMG ○○○○○○GC	B29	Insert (Turning)
DNMG ○○○○○○GP	B23	Insert (Turning)
DNMG ○○○○○○GS	B24	Insert (Turning)
DNMG ○○○○○○GT	B25	Insert (Turning)
DNMG ○○○○○○HQ	B24	Insert (Turning)
DNMG ○○○○○○HS	B25	Insert (Turning)
DNMG ○○○○○○KG	B29	Insert (Turning)
DNMG ○○○○○○KH	B29	Insert (Turning)
DNMG ○○○○○○KQ	B29	Insert (Turning)
DNMG ○○○○○○MQ	B27	Insert (Turning)
DNMG ○○○○○○MS	B28	Insert (Turning)
DNMG ○○○○○○MU	B28	Insert (Turning)
DNMG ○○○○○○PG	B25	Insert (Turning)
DNMG ○○○○○○PH	B26	Insert (Turning)
DNMG ○○○○○○PP	B23	Insert (Turning)
DNMG ○○○○○○PQ	B23	Insert (Turning)
DNMG ○○○○○○PS	B25	Insert (Turning)
DNMG ○○○○○○PT	B25	Insert (Turning)
DNMG ○○○○○○R-LD	B27	Insert (Turning)
DNMG ○○○○○○SG	B28	Insert (Turning)
DNMG ○○○○○○SQ	B28	Insert (Turning)
DNMG ○○○○○○TK	B27	Insert (Turning)
DNMG ○○○○○○TN-V	B24	Insert (Turning)
DNMG ○○○○○○XF	B26	Insert (Turning)
DNMG ○○○○○○XP	B26	Insert (Turning)
DNMG ○○○○○○XQ	B26	Insert (Turning)
DNMG ○○○○○○XS	B26	Insert (Turning)
DNMG ○○○○○○ZS	B29	Insert (Turning)
DNMM ○○○○○○M	C23	Insert (Turning)
DNMM ○○○○○○M-NE	C23	Insert (Turning)
DNMM ○○○○○○M-SE	C23	Insert (Turning)
DNMM ○○○○○○PX	B26	Insert (Turning)
DNMU ○○○○○○E-GK	B51	Insert (Turning)
DNMX ○○○○○○WF	B23	Insert (Turning)
DPET ○○○○○○(○)F%-USF	B72	Insert (Turning)
DPET ○○○○○○(○)MF%-USF	B72	Insert (Turning)
DPET ○○○○○○(○)M%-FSF	B72	Insert (Turning)
DPET ○○○○○○(○)%-FSF	B72	Insert (Turning)
DR12CR-IN	K65	Cartridge (Drill)
DR12CR-OUT	K65	Cartridge (Drill)
DR20CR-IN	K65	Cartridge (Drill)
DR20CR-OUT	K65	Cartridge (Drill)
DR ○○-○○(□)	M136	Spare Parts (Drive Ring)
DR ○○○○-○○○○(□)	M137	Spare Parts (Drive Ring)
DRV- CH○○	K48, K49	Toolholder (Chamfering Attachment / DRV)
DS-42	F75, P8	Spare Parts (Shim)
DS-44	D14, P8	Spare Parts (Shim)
DS ○○○	K55	Insert (Drilling)
DSBN%L ○○○○□-○○	D14	Toolholder (Turning)
DT-7	G55, G56, K56, K58, K60, K62, M178, P17	Spare Parts (Torx Wrench / Screwdriver type)
DT-8	K58, K60, K62, M128, M132, M160, M180, P17	Spare Parts (Torx Wrench / Screwdriver type)
DT-9	K29	Spare Parts (Torx Wrench / Screwdriver type)
DT-10	K83, M128, M132, M160, M176, M178, M180, P17	Spare Parts (Torx Wrench / Screwdriver type)
DT-15	K29, K58, K60, K62, K64, M45, M95, M98, M99, M128, M132, M160, M180, P17	Spare Parts (Torx Wrench / Screwdriver type)
DT-20	K59, K60, K61, K62, K63, K64, K65, K73, K75, K77, K78, M107, M160, P17	Spare Parts (Torx Wrench / Screwdriver type)

Description	Page	Category
DT-25	K59, K61, K65, K73, K75, K77, K78, M174, P17	Spare Parts (Torx Wrench / Screwdriver type)
DT-32	D16, F76, P8	Spare Parts (Shim)
DT-42	F76, P8	Spare Parts (Shim)
DTGN%L ○○○○□-○○	D16	Toolholder (Turning)
DTM-6	K72, K74, K76, K78, M66, M67, M128, M132, P17	Spare Parts (Torx Wrench / Screwdriver type)
DTM-7	K72, K74, K76, K78, P17	Spare Parts (Torx Wrench / Screwdriver type)
DTM-8	K72, K74, K76, K78, M56, M57, M58, M59, M74, M75, M77, P17	Spare Parts (Torx Wrench / Screwdriver type)
DTM-10	K72, K74, K76, K78, P17	Spare Parts (Torx Wrench / Screwdriver type)
DTM-15	K73, K74, K76, K78, M27, M57, M58, M59, M74, M75, M77, M85, P17	Spare Parts (Torx Wrench / Screwdriver type)
DTP-6	K10, K11, K12, K13, K14, K15, K16, K17, K18, K19, P17	Spare Parts (Torx Plus Wrench / Screwdriver type)
DTP-7	K10, K11, K12, K13, K14, K15, K16, K17, K18, K19, P17	Spare Parts (Torx Plus Wrench / Screwdriver type)
DTP-9	M152, M153, P17	Spare Parts (Torx Plus Wrench / Screwdriver type)
DTP-15	M40, M152, M153, P17	Spare Parts (Torx Plus Wrench / Screwdriver type)
DTP-20	P17	Spare Parts (Torx Plus Wrench / Screwdriver type)
DTPM-8	K42, K43, K44, K45, K46, M49, M50, M71, M72, M118, M171, M185, P17	Spare Parts (Torx Plus Wrench / Screwdriver type)
DTPM-10	F66, K42, K43, K44, K45, K46, M169, M171, P17	Spare Parts (Torx Plus Wrench / Screwdriver type)
DTPM-15	F65, F66, K42, K43, K44, K45, K46, M31, M32, M49, M50, M71, M72, M89, M90, M111, M113, M114, M164, M165, M169, M171, P17	Spare Parts (Torx Plus Wrench / Screwdriver type)
DV-33	D18, N5, N6, P8	Spare Parts (Shim)
DVLN%L ○○○○□-○○	D18	Toolholder (Turning)
DVPN%L ○○○○□-○○	D18	Toolholder (Turning)
DW-42	F79, N6, P8	Spare Parts (Shim)
DW-44	D22, P8	Spare Parts (Shim)
DWLN%L ○○○○□-○○	D22	Toolholder (Turning)
DVVNN ○○○○□-○○	D18	Toolholder (Turning)
E		
E○○□- SCLC%L○○-○○	F92, P23	Boring Bars (Discontinued Description)
E○○□- SCLC%L○○-○○A	F41, F92, P23	Boring Bars (Dynamic Bar)
E○○□- SCLC%L○○-○○A-○/○	F41, F92, P23	Boring Bars (Dynamic Bar)
E○○□- SCLC%L○○-○○AN	F41	Boring Bars (Dynamic Bar)
E○○□- SCLCRO○○-○○AN○/○	F41	Boring Bars (Dynamic Bar)
E○○□- SCLP%L○○-○○	F92, P23	Boring Bars (Discontinued Description)
E○○□- SCLP%L○○-○○A	F43, F92, P23	Boring Bars (Dynamic Bar)
E○○□- SCLP%L○○-○○A-○/○	F43, F92, P23	Boring Bars (Dynamic Bar)
E○○□- SCLP%L○○-○○AN	F43	Boring Bars (Dynamic Bar)
E○○□- SCLPRO○○-○○AN○/○	F43	Boring Bars (Dynamic Bar)
E○○□- SDQC%L○○-○○A	F46	Boring Bars (Dynamic Bar)
E○○□- SDQC%L○○-○○A-○/○	F46	Boring Bars (Dynamic Bar)
E○○□- SDUC%L○○-○○A	F45	Boring Bars (Dynamic Bar)
E○○□- SDUC%L○○-○○A-○/○	F45	Boring Bars (Dynamic Bar)
E○○□- SDZC%L○○-○○A	F47	Boring Bars (Dynamic Bar)
E○○□- STLP%L○○-○○A	F51, F92, P23	Boring Bars (Dynamic Bar)
E○○□- STLP%L○○-○○A-○/○	F51, F92, P23	Boring Bars (Dynamic Bar)
E○○□- STLP%L○○-○○AN	F51	Boring Bars (Dynamic Bar)
E○○□- STLPRO○○-○○AN○/○	F51	Boring Bars (Dynamic Bar)
E○○□- STUP%L○○-○○	F93, P23	Boring Bars (Discontinued Description)
E○○□- SVPBRO○○-○○A	F56	Boring Bars (Dynamic Bar)
E○○□- SVPCRO○○-○○A	F56	Boring Bars (Dynamic Bar)
E○○□- SVUBRO○○-○○A	F59	Boring Bars (Dynamic Bar)
E○○□- SVUCRO○○-○○A	F59	Boring Bars (Dynamic Bar)
E○○□- SWUB%L○○-○○A	F93, P24	Boring Bars (Discontinued Description)
E○○□- SWUB%L○○-○○A-○/○	F93, P24	Boring Bars (Discontinued Description)
E○○□- SWUB%L○○-○○AN	F61	Boring Bars (Dynamic Bar)
E○○□- SWUBRO○○-○○AN○/○	F61	Boring Bars (Dynamic Bar)

Insert Grades
Turnable Inserts
CNC & CDD Tools
External
Small Parts
Machining
Boring
Grooving
Cut-off
Threading
Drilling
Solid Tools
Milling
Tools for
Spare Parts
Technical Information
Index

A
B
C
D
E
F
G
H
J
K
L
M
N
P
R
T

Description Index

○ : Figure, □ : Alphabet

Description	Page	Category
E○○□- SWUP%○○-○○A	F61	Boring Bars (Dynamic Bar)
E○○□- SWUP%○○-○○A-○/○	F61	Boring Bars (Dynamic Bar)
ENET ○○○○PAER-□	M186	Insert (Milling)
ENGN ○○○○○○S○○○○○	B107	Insert (Turning)
ENGN ○○○○○○T○○○○○	B107	Insert (Turning)
EZBR ○○○○○○-○○○NB	C21,C33,F17	EZ Bars (Boring)
EZBR ○○○○○○HP-○○○F	F14	EZ Bars (Boring)
EZBR ○○○○○○HP-○○○H	F14	EZ Bars (Boring)
EZBR ○○○○○○HP-○○○HT	F15	EZ Bars (Boring)
EZBR ○○○○○○ST-○○○F	F16	EZ Bars (Boring)
EZBR ○○○○○○ST-○○○H	F16	EZ Bars (Boring)
EZFGR ○○○○○○-○○○	G74	EZ Bars (Internal Face Grooving)
EZGR ○○○○○○-○○○	G49	EZ Bars (Internal Grooving)
EZGR ○○○○○○-○○○S	G49	EZ Bars (Internal Grooving)
EZTR ○○○○○○-○○-○○○	J30	EZ Bars (Internal Threading)
EZH ○○○○○(○)CT-○○○	F24,F25,F84	Sleeve
EZH ○○○○○(○)HP-○○○	F26,F27,F84	Sleeve
EZH ○○○○○(○)ST-○○○	F28,F29,F84	Sleeve
EZVBR ○○○○○○-○○○	F22	EZ Bars (Boring / Internal Facing / Copying)
F		
FDM- ○○○M(1)	K87,K88	Fine Micro Drill
FGG%L ○○○○-○○	G37	Insert (Grooving)
FH-2	P17	Spare Parts (Hexagon Wrench / Flag type)
FH-2.5	P17	Spare Parts (Hexagon Wrench / Flag type)
FMM ○○-○○	G103	Insert (Grooving)
FMN ○	G103	Insert (Grooving)
FP-12	D8,D12,J21	Spare Parts (Pipe Connection)
FS- ○○	K29	Spare Parts (Drill fitting screw for Chamfering Attachment)
FT-6	P17	Spare Parts (Torx Wrench / Flag type)
FT-7	P17	Spare Parts (Torx Wrench / Flag type)
FT-8	P17	Spare Parts (Torx Wrench / Flag type)
FT-10	P17	Spare Parts (Torx Wrench / Flag type)
FT-15	P17	Spare Parts (Torx Wrench / Flag type)
FTK ○	G105	Insert (Face Grooving)
FTP-5	K10,K11,K12,K13, K14,K15,K16,K17, K18,K19,P17	Spare Parts (Torx Plus Wrench / Flag type)
FTP-6	K42,K43,K44,K45, K46,M124,M125,P17	Spare Parts (Torx Plus Wrench / Flag type)
G		
GA ○○	G45	Insert (Grooving)
GBA ○○%○○○-○○○	C20,C30,G6,G8	Insert (Grooving)
GBA ○○%○○○-○○○F	G7	Insert (Grooving)
GBA ○○%○○○-○○○GM	G7	Insert (Grooving)
GBA ○○%○○○-○○○MY	G7	Insert (Grooving)
GBA ○○%○○○-○○○R	G8	Insert (Grooving)
GBA ○○%○○○-○○○RF	G8	Insert (Grooving)
GBF ○○%○○○-○○○	G13	Insert (Grooving)
GBF ○○%○○○-○○○F	G13	Insert (Grooving)
GBF ○○R○○○-○○○GL	G13	Insert (Grooving)
GDFM ○○○○N-○○○CM	G81	Insert (Face Grooving)
GDFM ○○○○N-○○○DM	G81	Insert (Face Grooving)
GDFM ○○○○N-○○○GH	G81	Insert (Face Grooving)
GDFM ○○○○N-○○○GM	G81	Insert (Face Grooving)
GDFMS ○○○○N-○○○DM	G81	Insert (Face Grooving)
GDG ○○○○N-○○○GS	G23	Insert (Grooving)
GDG ○○○○N-○○○PG	H18	Insert (Cut-off)
GDG ○○○○R-○○○PG-○○D	H18	Insert (Cut-off)
GDGS ○○○○N-○○○NB	C20,C31,G24	Insert (Grooving)
GDM ○○○○N-○○○GL	G23	Insert (Grooving)
GDM ○○○○N-○○○GM	G23	Insert (Grooving)
GDM ○○○○N-○○○GMI	G65	Insert (Grooving)
GDM ○○○○N-○○○PF	H18	Insert (Cut-off)
GDM ○○○○N-○○○PH	G23,H19	Insert (Grooving / Cut-off)

Description	Page	Category
GDM ○○○○N-○○○PM	H19	Insert (Cut-off)
GDM ○○○○N-○○○PQ	H18	Insert (Cut-off)
GDM ○○○○N-○○○R-CM	G23,G65	Insert (Grooving)
GDM ○○○○%L-○○○PF-○○D	H18	Insert (Cut-off)
GDM ○○○○R-○○○PM-○○D	H19	Insert (Cut-off)
GDM ○○○○R-○○○PQ-○○D	H18	Insert (Cut-off)
GDMS ○○○○N-○○○GM	G23	Insert (Grooving)
GDMS ○○○○N-○○○PH	G23,H19	Insert (Grooving / Cut-off)
GDMS ○○○○N-○○○PM	H19	Insert (Cut-off)
GDMS ○○○○R-○○○PM-○○D	H19	Insert (Cut-off)
GE%L ○○○-○○○□	G53,G54	Insert (Grooving)
GER ○○○-○○○□□	G53,G54	Insert (Grooving)
GFV%L ○○○○□-○○○(○)□	G96	Toolholder (Face Grooving)
GFVS%L ○○○○□-○○AA	G94,P25	Toolholder (Face Grooving)
GFVS%L ○○○○□-○○○(○)□	G98,G99	Toolholder (Face Grooving)
GFVS%L ○○○○□-H□	G98	Toolholder (Face Grooving)
GFVT%L ○○○○□-○○AA	G94,P25	Toolholder (Face Grooving)
GFVT%L ○○○○□-○○○(○)□	G98,G99	Toolholder (Face Grooving)
GFVT%L ○○○○□-H□	G98	Toolholder (Face Grooving)
GH ○○○○(○)-○○	B115,G45,G66	Insert (Grooving)
GHU ○○-○○	G45,G66	Insert (Grooving)
GIA ○○	G68	Insert (Grooving)
GIFV%L ○○○○B-○○○□	G106,P25	Toolholder (Face Grooving)
GIV%L ○○○○-○○(□)	G61	Toolholder (Internal Grooving)
GMG ○○○○-○○○MG	G36,G67,G104	Insert (Grooving)
GMG ○○○○-○○○MS	G36	Insert (Grooving)
GMG ○○○○-○○○R	G36	Insert (Grooving)
GMG ○○○○-○○○RU	G36	Insert (Grooving)
GMGA ○○○○-○○○R	G37,G67,G104	Insert (Grooving)
GMM 3014-04	G37	Insert (Grooving)
GMM 3014-15R	G37	Insert (Grooving)
GMM 3014-15RU	G37	Insert (Grooving)
GMM ○○○○-MT	G38,H28	Insert (Grooving)
GMM ○○○○-NB	G38,H28	Insert (Grooving)
GMM ○○○○%L-MT-15D	G38,H28	Insert (Grooving)
GMM ○○○○%L-TK-8D	G38,H28	Insert (Grooving)
GMM ○○○○%L-TMR-6D	H28	Insert (Grooving)
GMM ○○○○-TK	G38,H28	Insert (Grooving)
GMM ○○○○-TMR	H28	Insert (Grooving)
GMM ○○○○-○○○MS	G36	Insert (Grooving)
GMM ○○○○-○○○MW	G36,G67,G104	Insert (Grooving)
GMM ○○○○-○○○R	G36	Insert (Grooving)
GMM ○○○○-○○○V	G69	Insert (Grooving)
GMM ○○○○-○○○VR	G69	Insert (Grooving)
GMN ○(○)	C20,C30,G38,G39,H28	Insert (Grooving)
GMN ○-TK	G38,H28	Insert (Grooving)
GM%L ○-TK-8D	G38,H28	Insert (Grooving)
GM%L ○(○)-○(○)D	G38,H28	Insert (Grooving)
GMGW ○○○○-○○R	C31,G46	Insert (Grooving)
GMGW ○○○○-○○R-HR	C31,G46	Insert (Grooving)
GOMT ○○○○○ER-D	M19	Insert (Milling)
GP-1	E23,E25,E30,E35,G16, H13,K58,K60,K62,P19	Spare Parts (Plug)
GP-2	K58,K59,K60,K61, K62,K63,K64,P19	Spare Parts (Plug)
GP103- ○○○-3D	L69	Solid Drill
GP108M- ○○○-3D	L68	Solid Drill
GS-50	G20,G42,G63,G65, J28,J29,P2	Spare Parts (Screw)
GVF%L ○○○-○○○AA	G95	Insert (Grooving)
GVF%L ○○○-○○○□	C30,G101,M192	Insert (Grooving)
GVF%L ○○○-○○○□R	G101	Insert (Grooving)
GV%L ○○○-○○○□(□)	C30,G59,M191	Insert (Grooving)
H		
HA○○ PCLN%L12-○○	F65	Boring Bars (AD Bar Interchangeable Head)
HA○○ PDUN%L15-○○	F66	Boring Bars (AD Bar Interchangeable Head)

Description	Page	Category
HA○○ PTFN%L16-○○	F66	Boring Bars (AD Bar Interchangeable Head)
HA○○ SCLC%L09-○○	F67	Boring Bars (AD Bar Interchangeable Head)
HA○○ SDUC%L11-○○	F67	Boring Bars (AD Bar Interchangeable Head)
HF16X44HC	M184	Spare Parts (Screw with Coolant Hole)
HF16X48HC	M184	Spare Parts (Screw with Coolant Hole)
HF20X53H	M58,P2	Spare Parts (Screw with Coolant Hole)
HF20X53HA	M184,P2	Spare Parts (Screw with Coolant Hole)
HF24X60H	P2	Spare Parts (Screw with Coolant Hole)
HF24X60HA	M184,P2	Spare Parts (Screw with Coolant Hole)
HH3X6	F87,P2	Spare Parts (Screw)
HH3X12	D34,D35,D36, D37,D38,F87,P2	Spare Parts (Screw)
HH4X12	G99,K65,P3	Spare Parts (Screw)
HH4X16	M42,P2	Spare Parts (Screw)
HH5X15	G68,P2	Spare Parts (Screw)
HH5X16	D25,G25,G26,G28, G40,G41,G42,G43, G88,H20,H22,H23, H30,H31,N8,P2	Spare Parts (Screw)
HH5X20	F68,G102,G103,P2	Spare Parts (Screw)
HH5X25	G25,G26,G40,G41,G42, G43,G102,G103,H22, H23,H30,H31,H35,P2	Spare Parts (Screw)
HH5X30	F68,N26,P2	Spare Parts (Screw)
HH6X12	K65,P2	Spare Parts (Screw)
HH6X16	N22,N23,N24,P2	Spare Parts (Screw)
HH6X18	K48,P2	Spare Parts (Screw)
HH6X20	F68,G45,G67,N23,N24,P2	Spare Parts (Screw)
HH6X25	G25,G40,G44,G46, G66,G104,H30,P2	Spare Parts (Screw)
HH6X30	F68,H35,P2	Spare Parts (Screw)
HH8X20	K48,P2	Spare Parts (Screw)
HH8X25	M37,M40,M49,M72,M75, M169,M185,N22,P2	Spare Parts (Screw)
HH8X25H	M58,M67,P3	Spare Parts (Screw with Coolant Hole)
HH8X30	N22	Spare Parts (Screw)
HH10X25	P3	Spare Parts (Screw)
HH10X30	M27,M31,M40,M49,M72, M75,M85,M89,M111, M164,M169,M185,P3	Spare Parts (Screw)
HH10X30H	M58,M67,P3	Spare Parts (Screw with Coolant Hole)
HH10X30S	M40,P3	Spare Parts (Screw)
HH10X35	M141,P3	Spare Parts (Screw)
HH10X40	M75,P3	Spare Parts (Screw)
HH12X35	M27,M31,M36,M37, M40,M44,M45,M49,M72, M75,M76,M77,M85,M89, M95,M98,M111,M141, M152,M153,M164,M169, M185,P3	Spare Parts (Screw)
HH12X35H	M58,M184,P3	Spare Parts (Screw with Coolant Hole)
HH12X35HC	M184	Spare Parts (Screw with Coolant Hole)
HH12X40	M76,M77,M98,P3	Spare Parts (Screw)
HH16X35	M152,M153,P3	Spare Parts (Screw)
HH16X40	M36,M37,M76, M77,M111,P3	Spare Parts (Screw)
HH16X45	M72,M75,M95,M98,P3	Spare Parts (Screw)
HH16X52H	M58,P3	Spare Parts (Screw with Coolant Hole)
HH20X40	M76,M77,M141,P3	Spare Parts (Screw)
HH20X55	M95,P3	Spare Parts (Screw)
HP131N- ○○○-5D	L71	Solid Drill
HS-2524TRP	K10,K11,K12,K13,K14, K15,K16,K17,K19,P3	Spare Parts (Screw)
HS-2534TRP	K10,K11,K12,K13, K14,K15,K16,K17, K18,K19,P3	Spare Parts (Screw)
HS-3048TRP	K10,K11,K12,K13, K14,K15,K16,K17, K18,K19,P3	Spare Parts (Screw)
HS-4067TRP	K10,K11,K12,K13, K14,K15,K16,K17, K18,K19,P3	Spare Parts (Screw)
HS3X4	F32,F34,F86,N26,P3	Spare Parts (Screw)

Description	Page	Category
HS3X4P	F24,F27,F29,P3	Spare Parts (Screw)
HS4X4	F86,F87,N22,N23,N24,P3	Spare Parts (Screw)
HS4X4P	F24,F27,F29,P3	Spare Parts (Screw)
HS5X5	F87,N22,N23,N24,P3	Spare Parts (Screw)
HS6X4	M185	Spare Parts (Adjust Screw)
HS6X4P	F86,G57,N26,P3	Spare Parts (Screw)
HS6X6	F87,P3	Spare Parts (Screw)
HS6X14	F87,P3	Spare Parts (Screw)
HS6X22	F87,P3	Spare Parts (Screw)
HS8X10	N18,P3	Spare Parts (Screw)
HS8X12	N18,P3	Spare Parts (Screw)
HS10X10	F87,P3	Spare Parts (Screw)
HS10X16	N18,P3	Spare Parts (Screw)
HS12X12	N18,P3	Spare Parts (Screw)
HS12X16	N18,P3	Spare Parts (Screw)
HS12X18	N18,P3	Spare Parts (Screw)
HS12X20	N18,P3	Spare Parts (Screw)
HS12X25	N11,P3	Spare Parts (Screw)
HS12X30	N11,N12,P3	Spare Parts (Screw)
HS12X35	N12,P3	Spare Parts (Screw)
HS16X12	N18,P3	Spare Parts (Screw)
HS16X18	N18,P3	Spare Parts (Screw)
HS16X20	N18,P3	Spare Parts (Screw)
HS-AN-AN-○○○	D11,G27	Spare Parts (Hose)
HSB4X8%L	E17,E18,E19,E22, E24,E30,P3	Spare Parts (Screw)
HSG1/8X8.0	G26,H23	Spare Parts (Plug)
HS-G1/8-G1/8-○○○	H15	Spare Parts (Hose)
HS-ST-AN-○○○	D11,G27	Spare Parts (Hose)
HS-ST-ST-○○○	D11,G27	Spare Parts (Hose)
I		
IC140- ○○○-OD	L66,L67	Solid Drill
J		
J-AN-R1/8-G1/8	H15	Spare Parts (Joint)
JCET ○○○○○○M%L-F	B73	Insert (Turning)
JCET ○○○○○○M%L-FSF	B73	Insert (Turning)
JCET ○○○○○○%L-FSF	B73	Insert (Turning)
JCGT ○○○○○○M%L-F	B73	Insert (Turning)
JCGT ○○○○○○%L-F	B73	Insert (Turning)
JOMT ○○○○○○ER-D	M19	Insert (Milling)
J-G1/8-UNF3/8	D11,G27	Spare Parts (Joint)
J-M10X1.5-UNF3/8	D11,G27	Spare Parts (Joint)
J-ST-NPT1/8-G1/8	H15	Spare Parts (Joint)
J-ST-NPT1/8-RC1/8	H15	Spare Parts (Joint)
J-ST-R1/4-G1/8	H15	Spare Parts (Joint)
J-ST-R1/4-RC1/8	H15	Spare Parts (Joint)
J-ST-R1/8-G1/8	H15	Spare Parts (Joint)
J-ST-R1/8-RC1/8	H15	Spare Parts (Joint)
K		
KFMS%L ○○○○□○○(○)○○(○)-8	G104	Toolholder (Face Grooving)
KFMS%L ○○○○□○○(○)○○(○)-○	G102,G103	Toolholder (Face Grooving)
KFTB%L ○○(○)○○○-OS	G105	Blade (Grooving)
KGA%L ○○○○□-○	G45	Toolholder (Grooving)
KGB%L ○○○○□-○○	G10	Toolholder (Grooving)
KGB%L ○○○○□22-○○	G10	Toolholder (Grooving)
KGBA%L ○○○○□-○○	G9	Toolholder (Grooving)
KGBA%L ○○○○□22-○○	G9	Toolholder (Grooving)
KGBA%L ○○○○□22-○○T5	G9	Toolholder (Grooving)
KGBAS%L ○○○○□-○○	G9	Toolholder (Grooving)
KGBAS%L ○○○○□22-○○	G9	Toolholder (Grooving)
KGBAS%L ○○○○□22-○○T5	G9	Toolholder (Grooving)
KGBF%L ○○○○□□-○○F	G14	Toolholder (Grooving)
KGBFR ○○○○□-○○FJCT	G16	Toolholder (Grooving)

Insert Grades
Turnable Inserts
CNC & CDD Tools
External
Small Parts
Boring
Grooving
Cut-off
Threading
Drilling
Solid Tools
Milling
Tools for
Spare Parts
Technical Information
Index

A
B
C
D
E
F
G
H
J
K
L
M
N
P
R
T

Description Index

○ : Figure, □ : Alphabet

Description	Page	Category
KGBFS% ○○○○□□-○○	G15	Toolholder (Grooving)
KGBS% ○○○○□-○○	G10	Toolholder (Grooving)
KGBS% ○○○○□22-○○	G10	Toolholder (Grooving)
KGDF% -○○(○)-○□-C	G84,G85,G86,G87,G89,G90,G91	Blade (Face Grooving)
KGDF% ○○○○□○○(○)-○B-Z	G88	Toolholder (Face Grooving)
KGDF% ○○○○X○○(○)-○□S	G84,G85,G86,G87	Toolholder (Face Grooving)
KGDI% ○○○○□-○	G65	Toolholder (Internal Grooving)
KGD% ○T○○-C	G29,G30,G31,H25	Blade (Grooving / Cut-off)
KGD% ○○○○-C	G29,G31,G84,G85,G86,G87,H25	Toolholder Body (Grooving / Cut-off)
KGD% ○○○○□(□)-○(○)	G28,H20	Toolholder (Grooving / Cut-off)
KGD% ○○○○□□-○(○)D○○	G28,H20	Toolholder (Grooving / Cut-off)
KGD% ○○○○□(□)-○(○)T○○	G25,H22	Toolholder (Grooving / Cut-off)
KGD% ○○○○□-○T○○JCT	G26,H23	Toolholder (Grooving / Cut-off)
KGD% ○○○○X-○T○○S	G29,H25	Toolholder (Grooving / Cut-off)
KGDS% ○○○○-C	G30,G31,G89,G90	Toolholder (Grooving)
KGDS% ○○○○JX-○(○)B	H21	Toolholder (Cut-off)
KGDS% ○○○○X-○T○○S	G30	Toolholder (Grooving)
KGH% ○○○○□-○(○)	G44	Toolholder (Grooving)
KGHS% ○○○○□-○	G44,P25	Toolholder (Grooving)
KGIAR ○○H	G68	Toolholder (Internal Grooving / Toolholder Body)
KGIAR ○○○○B-○	G68	Toolholder (Internal Grooving)
KGM% ○○○○□-○	G40,H30,P25	Toolholder (Grooving)
KGM% ○○○○□-○T○○	G41,H31	Toolholder (Grooving)
KGM% ○○○○□-○(○)-○○(○)	G40,G114,H30,H38,P25	Toolholder (Grooving)
KGM% ○○○○□□-○(○)	G40,H30	Toolholder (Grooving)
KGMM% ○○○○□-○	G42	Toolholder (Grooving)
KGMS% ○○○○□-○	G42	Toolholder (Grooving)
KGMU% ○○○○□	G43	Toolholder (Grooving)
KGMW% ○○○○□-○	G46	Toolholder (Grooving)
KIGBA% ○○○○-○○	G62	Toolholder (Internal Grooving)
KIGHR ○○○○B-○	G66	Toolholder (Internal Grooving)
KIGM% ○○○○B-○	G67	Toolholder (Grooving)
KIGM% ○○○○B-○V	P25	Toolholder (Grooving / Discontinued Description)
KIGMUR ○○○○B-○	G67	Toolholder (Grooving)
KITG% ○○○○T-○○	G63,J29	Toolholder (Internal Grooving / Threading)
KN91% 44-○	P25	Toolholder (Grooving / Discontinued Description)
KNMX ○○○○○○%-1	B31	Insert (Turning)
KPC○-DCLN% ○○○○○-○○□	N3	Toolholder (Polygon Taper Shank)
KPC○-DDHN% ○○○○○-○○□	N4	Toolholder (Polygon Taper Shank)
KPC○-DDJN% ○○○○○-○○□	N4	Toolholder (Polygon Taper Shank)
KPC○-DVLN% ○○○○○-○○□	N5	Toolholder (Polygon Taper Shank)
KPC○-DVPN% ○○○○○-○○□	N5	Toolholder (Polygon Taper Shank)
KPC○-DVNN% ○○○○○-○○□	N6	Toolholder (Polygon Taper Shank)
KPC○-DWLN% ○○○○○-○○□	N6	Toolholder (Polygon Taper Shank)
KPC○-KGBA% ○○○○○-○○(○○)	N7	Toolholder (Polygon Taper Shank)
KPC○-KGD% ○○○○○-○T○○	N8	Toolholder (Polygon Taper Shank)
KPC○-KTN% ○○○○○-○○	N9	Toolholder (Polygon Taper Shank)
KPS-42	E44,P8	Spare Parts (Shim)
KPT-32	E45,F63,P8	Spare Parts (Shim)
KPT-42	M103,P8	Spare Parts (Shim)
KTG% ○○○○□-○○	G20	Toolholder (Grooving)
KTG% ○○○○□22-○○	G20	Toolholder (Grooving)
KTGF% ○○○○□-○○□	G18,G114	Toolholder (Grooving)
KTGF% ○○○○□(□)-○○F	G18,P25	Toolholder (Grooving)
KTKB ○○-OS	H34	Blade (Cut-off)
KTKB ○○-OSS	H34	Blade (Cut-off)
KTKB% ○○-OS	H34	Blade (Cut-off)
KTKF% ○○○○□(□)-○○	E12,E50,H8,H38,J24,P20	Toolholder (Back Turning / Cut-off / Threading)
KTKF% ○○○○□-○○JCT	H13	Toolholder (Cut-off / Great for High Pressure Coolant)
KTKF% ○○○○□(□)-○○□□	H10	Toolholder (Back Turning / Cut-off / Threading)
KTKFS% ○○○○□-○○□	H16	Toolholder (Cut-off)
KTKH% ○○○○□-OS	H36,P25	Toolholder (Cut-off)
KTKH% ○○○○□-○T○○S	H36	Toolholder (Cut-off)
KTKH% ○○○○□-○(○)-○○○B	H38,P25	Toolholder (Cut-off)

Description	Page	Category
KTKH% ○○○○□-○-○○○S	H38	Toolholder (Cut-off)
KTKTB ○○-○○	H35	Block (Cut-off)
KTKTBF ○○-○○	H35	Block (Cut-off)
KTN% ○○○○□(□)-○○(F)	J20	Toolholder (Threading)
KTNR ○○○○□-○○JCT	J21	Toolholder (Threading)
KTNSR ○○○○□-○○	J20	Toolholder (Threading)
KTT% ○○○○□-○○	J28	Toolholder (Threading)
KTTXR ○○○○□(□)-○○F	J26,P25	Toolholder (Threading)
KVN-32	D20,P8	Spare Parts (Shim)
L		
LC-4K	F65,P8	Spare Parts (Shim)
LC-32N	D9,F70,P8	Spare Parts (Shim)
LC-42N	D9,E42,N13,P8	Spare Parts (Shim)
LC-42N-20	D9,P8	Spare Parts (Shim)
LC-42N-C	D9,N13,P9	Spare Parts (Shim)
LC-42N% %	F70,P9	Spare Parts (Shim)
LC-53N	D9,P8	Spare Parts (Shim)
LC-53N-C	D9,P9	Spare Parts (Shim)
LC-63	D9,P8	Spare Parts (Shim)
LC-63-C	D9,P9	Spare Parts (Shim)
LCMT ○○○○○○-GM-E	K40	Insert (Drilling)
LCMT ○○○○○○-GM-I	K40	Insert (Drilling)
LCMT ○○○○○○-SM-E	K40	Insert (Drilling)
LCMT ○○○○○○-SM-I	K40	Insert (Drilling)
LCPC025097	F24	Spare Parts (Adjustment Pin)
LCPC025140	F27	Spare Parts (Adjustment Pin)
LD-4K	F66,P9	Spare Parts (Shim)
LD-4K43	F66,P9	Spare Parts (Shim)
LD-32N	D13,F71,P9	Spare Parts (Shim)
LD-42	D13,F73,N13,N14,P9	Spare Parts (Shim)
LD-42-20	D13,F73,N13,N14,P9	Spare Parts (Shim)
LD-43	D13,P9	Spare Parts (Shim)
LD-43-20	D13,P9	Spare Parts (Shim)
LGBA-16% %S	G9,G62,N7,N17,P14	Spare Parts (Clamp Set)
LGBA-22% %S	G9,G62,N7,N17,P14	Spare Parts (Clamp Set)
LL-03N	D16,N22,P7	Spare Parts (Lock Pin)
LL-03SN	F70,F77,F78,P7	Spare Parts (Lock Pin)
LL-03TN	D16,F77,P7	Spare Parts (Lock Pin)
LL-05C	D21,P7	Spare Parts (Lock Pin)
LL-1CN	D21,D39,P7	Spare Parts (Lock Pin)
LL-1DN	D13,F71,P7	Spare Parts (Lock Pin)
LL-1K	F66,P7	Spare Parts (Lock Pin)
LL-1N	D9,D14,D15,D16,D21,D22,E43,F70,F77,F78,N14,N22,P7	Spare Parts (Lock Pin)
LL-2C	D39,P7	Spare Parts (Lock Pin)
LL-2K	F65,P7	Spare Parts (Lock Pin)
LL-2N	D9,D14,D15,D16,D21,D22,E43,F70,F80,N13,N15,N22,P7	Spare Parts (Lock Pin)
LL-3K	F66,P7	Spare Parts (Lock Pin)
LL-3N	D13,F73,N13,N14,P7	Spare Parts (Lock Pin)
LL-4	D13,P7	Spare Parts (Lock Pin)
LL-5N	D9,P7	Spare Parts (Lock Pin)
LL-6	D9,P7	Spare Parts (Lock Pin)
LNEU ○○○○-○○(-○)	M142	Insert (Milling)
LNEU ○○○○-○○S(-○)	M142	Insert (Milling)
LOGT ○○○○○○FR-AM	M13	Insert (Milling)
LOGU ○○○○○○ER-GM	M13	Insert (Milling)
LOMU ○○○○○○ER-GH	M13	Insert (Milling)
LOMU ○○○○○○ER-GM	M13	Insert (Milling)
LOMU ○○○○○○ER-SM	M13	Insert (Milling)
LP-2S	D20,P7	Spare Parts (Lock Pin)
LP-6S	D20,P7	Spare Parts (Lock Pin)
LPA-11	E17,E18,E19,P7	Spare Parts (Anchor Pin)
LPA-13	E17,E18,E19,P7	Spare Parts (Anchor Pin)

Description	Page	Category
LPA-17	E17,E18,E19,P7	Spare Parts (Anchor Pin)
LPF-11	E22,E24,E30,P7	Spare Parts (Anchor Pin)
LPF-13	E22,E24,P7	Spare Parts (Anchor Pin)
LPF-17	E22,E24,P7	Spare Parts (Anchor Pin)
LPF-1113	E30,P7	Spare Parts (Anchor Pin)
LPF-1117	E30,P7	Spare Parts (Anchor Pin)
LPGT ○○○○○○ER-GM	M13	Insert (Milling)
LR-10C	D21,P9	Spare Parts (Shim)
LR-12C	D21,D39,P9	Spare Parts (Shim)
LR-16C	D39,P9	Spare Parts (Shim)
LR-80	D21,P9	Spare Parts (Shim)
LR-81	D21,P9	Spare Parts (Shim)
LS-03N	D16,N22,P4	Spare Parts (Lock Screw)
LS-03SN	D16,F70,F77,F78,P4	Spare Parts (Lock Screw)
LS-05	D21,P4	Spare Parts (Lock Screw)
LS-1N	D9,D13,D14,D15, D16,D21,D22,D39, E43,F77,N14,N22,P4	Spare Parts (Lock Screw)
LS-1P	F66,P4	Spare Parts (Lock Screw)
LS-1SN	F70,F71,F78,P4	Spare Parts (Lock Screw)
LS-1T	D39,P4	Spare Parts (Lock Screw)
LS-2N	D9,D13,D14,D15, D16,D21,D22,E42, F70,F73,F80,N13, N14,N15,N22,P4	Spare Parts (Lock Screw)
LS-2P	F65,P4	Spare Parts (Lock Screw)
LS-3	D13,P4	Spare Parts (Lock Screw)
LS-3P	F66,P4	Spare Parts (Lock Screw)
LS-4N	D9,P4	Spare Parts (Lock Screw)
LS-5	D9,P4	Spare Parts (Lock Screw)
LS-11	D20,P4	Spare Parts (Lock Screw)
LS-15	D20,P4	Spare Parts (Lock Screw)
LS-32	D14,D15,P9	Spare Parts (Shim)
LS-42	D14,D15,N22,P9	Spare Parts (Shim)
LSD-445R	P12	Spare Parts (Cartridge)
LSE-445R	P12	Spare Parts (Cartridge)
LSO-445R	M42,P12	Spare Parts (Cartridge)
LSP-1	D9,D13,D14,D15,D16, D21,D22,D39,E43,F70, F71,F77,F78,N14,N22,P7	Spare Parts (Shim Pin)
LSP-2	D9,D13,D14,D15,D16, D21,D22,D39,E42,F70, F73,F80,N13,N14,N15, N22,P7	Spare Parts (Shim Pin)
LSP-2K	F66,P7	Spare Parts (Shim Pin)
LSP-3	D9,P7	Spare Parts (Shim Pin)
LSP-3K	F65,F66,P7	Spare Parts (Shim Pin)
LSP-4	D9,P7	Spare Parts (Shim Pin)
LSP-415R	P12	Spare Parts (Cartridge)
LT-3K	F66,P9	Spare Parts (Shim)
LT-32N	D16,E43,F77, N14,N22,P9	Spare Parts (Shim)
LT-32N-20	D16,E43,F77,N14,P9	Spare Parts (Shim)
LT-42N	D16,N22,P9	Spare Parts (Shim)
LT-42N-20	D16,P9	Spare Parts (Shim)
LTE-490R	P12	Spare Parts (Cartridge)
LTK-5	G105,H36,P18	Spare Parts (Wrench)
LTW-8SS	E41,P17	Spare Parts (Torx Wrench / L-shaped type)
LTW-10S	E12,F32,F35,F37, F38,G78,G79,H8, H10,H16,J24,P17	Spare Parts (Torx Wrench / L-shaped type)
LTW-10SS	E40,P17	Spare Parts (Torx Wrench / L-shaped type)
LTW-15S	G28,G40,H20,H21, H30,J20,J22,P17	Spare Parts (Torx Wrench / L-shaped type)
LTW-20	E23,F64,G25,G28,G40, G41,G42,G65,H20,H22, H30,H31,M176,P17	Spare Parts (Torx Wrench / L-shaped type)
LTW-25	G29,G30,G31,G82, G86,G87,H25,P17	Spare Parts (Torx Wrench / L-shaped type)
LW-1.5	P18	Spare Parts (Hexagon Wrench / L-shaped type)
LW-2	P18	Spare Parts (Hexagon Wrench / L-shaped type)

Description	Page	Category
LW-2.5	P18	Spare Parts (Hexagon Wrench / L-shaped type)
LW-3	P18	Spare Parts (Hexagon Wrench / L-shaped type)
LW-4	P18	Spare Parts (Hexagon Wrench / L-shaped type)
LW-4.5	P18	Spare Parts (Hexagon Wrench / L-shaped type)
LW-5	P18	Spare Parts (Hexagon Wrench / L-shaped type)
LW-6	P18	Spare Parts (Hexagon Wrench / L-shaped type)
LW-8	P18	Spare Parts (Hexagon Wrench / L-shaped type)
LW-10	P18	Spare Parts (Hexagon Wrench / L-shaped type)
LW-14	P18	Spare Parts (Hexagon Wrench / L-shaped type)
LW-17	P18	Spare Parts (Hexagon Wrench / L-shaped type)
LW-19	P18	Spare Parts (Hexagon Wrench / L-shaped type)
LW-32N	D22,F78,P9	Spare Parts (Shim)
LW-42N	D22,N15,P9	Spare Parts (Shim)
LW-42N%	F80,P9	Spare Parts (Shim)
M		
M3X8	D24,D25,D27,D28,D29, D30,D31,D32,D33,D35, D36,D37,F81,F82,N3,P4	Spare Parts (Screw)
M3X12	D24,D27,D28,D29, D35,D36,D37,F81,P4	Spare Parts (Screw)
M4X10	D24,D27,D29,D32,D33,P4	Spare Parts (Screw)
MAP-1806	M45	Spare Parts (Cartridge)
MAP-1806M	M95	Spare Parts (Cartridge)
MAP-1806S	M95	Spare Parts (Cartridge)
MAP-2506	M98,M99,P12	Spare Parts (Shim)
MCSE ○○○	M176	End Mill (Chamfering)
MCSE ○○○-○○○	M176	End Mill (Chamfering)
MEA ○○-○○(-○○○)	P29	End Mill (MEA / Discontinued Description)
MEAL ○○-○○○	M107	End Mill (for Aluminum Machining)
MEB ○○-○○○	P29	End Mill (MEB / Discontinued Description)
MEC ○○-○○○-○○(T)-○	M59	Modular type Head (MEC)
MEC ○○-○○○-○○	M56,M57	End Mill (MEC)
MEC ○○-○○○-○○○(○)	M56	End Mill (MEC)
MEC ○○-○○○-○○○-○○(○)	M57	End Mill (MEC)
MEC ○○-○○○-○○○-○○○	M56	End Mill (MEC)
MEC ○○-○○○-○○○-○○○-○	M57	End Mill (MEC)
MEC ○○-○○○-○○○-○○○(-H)	M57	End Mill (MEC)
MEC ○○○○R-○○○(○)T(-M)	M58,P28	Face Mill (MEC)
MEC ○○○○R-○○○(○)T(N)	M58	Face Mill (MEC)
MECH ○○○○R-○○○-○(○)T(-M)	M75	Shell Mill (MECH)
MECH ○○○○R○○○-○-○-○BT50	M75	End Mill (MECH)
MECH ○○○○R○○○-○T-BT○○-A	M76,M77	End Mill (MECH)
MECH ○○○○R○○○-○T-BT○○SA	M76,M77	End Mill (MECH)
MECH ○○○○R○○○-○T-F	M76,M77	End Mill (MECH)
MECH ○○○-○○○-○○○-○-○-○T	M74	End Mill (MECH)
MECH ○○○○○○○-○○○-○-○T	M74	End Mill (MECH)
MECX ○○-○○○-○○○-○	M66	End Mill (MECX)
MECX ○○-○○○-○○○-○○-○	M66,P28	End Mill (MECX)
MECX ○○○○R-○○○-○(○)T-M	M67	Face Mill (MECX)
MEF ○○-○○○	M178	End Mill (Countersinking)
METS ○○-○○○(-H)	M180	End Mill (T-Slotting)
MEW ○○-○○○-○○○-○	M50	Modular type Head (MEW)
MEW ○○-○○○-○○○-○	M48	End Mill (MEW)
MEW ○○-○○○-○○○-○○○-○	M48	End Mill (MEW)
MEW ○○-○○○-○○○-○	M48	End Mill (MEW)
MEW ○○○○R-○○○-○(-M)	M49	Face Mill (MEW)
MEWH ○○○○R-○○○-○-○T-M	M72	Shell Mill (MEWH)
MEWH ○○○○-○○○-○○○-○-○	M71	End Mill (MEWH)
MEWH ○○○○○○○-○○○-○-○T	M71	End Mill (MEWH)
MEWH ○○○○-○○○-○○○-○-○	M71	End Mill (MEWH)
MEY ○○-○○○	M128	End Mill (Multi-Function Machining)
MEY ○○-○○○-○○○	M128	End Mill (Multi-Function Machining)
MEY ○○-○○○-○○○H	M128	End Mill (Multi-Function Machining)
MEZ ○○-○○○G	M132	End Mill (Multi-Function Machining)
MEZ ○○-○○○-○○○G	M132	End Mill (Multi-Function Machining)

Insert Grades
Turning
Indexable Inserts
CNC & CDD Tools
External
Small Parts
Machining
Boring
Grooving
Cut-off
Threading
Drilling
Solid Tools
Milling
Tools for
Turning Mill
Spare Parts
Technical
Information
Index

A
B
C
D
E
F
G
H
J
K
L
M
N
P
R
T

Description Index

○ : Figure, □ : Alphabet

Description	Page	Category
MEZ ○○-S○○-○○○HG	M132	End Mill (Multi-Function Machining)
MFAH ○○○RA-○(○)T(-○○)-SF	M184	Face Mill (High Efficiency for Finishing Aluminum)
MFAH ○○○RA-○(○)T-M(○○)-SF	M184	Face Mill (High Efficiency for Finishing Aluminum)
MFAH ○○○RS-○(○)T-SF	M185	Face Mill (High Efficiency for Finishing Aluminum)
MFAH ○○○RS-○(○)T-M-SF	M185	Face Mill (High Efficiency for Finishing Aluminum)
MFH ○○-M○○-○○-○T	M114,M119,M125	Modular type Head (MFH)
MFH ○○-S○○-○○-○T	M112,M113,M118,M124	End Mill (MFH)
MFH ○○-S○○-○○-○T-○○○	M112,M118	End Mill (MFH)
MFH ○○-W○○-○○-○T	M112,M118,M124	End Mill (MFH)
MFH ○○○R-○○-○T	M110	Face Mill (MFH)
MFH ○○○R-○○-○T-M	M110,M119	Face Mill (MFH)
MFH ○○○R-○○-○T-○○M	M110	Face Mill (MFH)
MFK ○○○R-○○-○(○)T	M36	Face Mill (MFK)
MFK ○○○R-○○-○(○)T-M	M36	Face Mill (MFK)
MFK ○○○R-○○-○(○)T-M-SF	M37	Face Mill (MFK)
MFK ○○○R-○○-○(○)T-SF	M37	Face Mill (MFK)
MFPN-45	M27,P9	Spare Parts (Shim)
MFPN 45○○○R-○(○)T	M26	Face Mill (MFPN45)
MFPN 45○○○R-○(○)T-M	M26	Face Mill (MFPN45)
MFPN 45○○○R-S32-○T	M27	End Mill (MFPN45)
MFPN 66○○○R-○(○)T-G	M31	Face Mill (MFPN66)
MFPN 66○○○R-○(○)T-M-G	M31	Face Mill (MFPN66)
MFPN 66○○○R-S○○-○T-G	M32	End Mill (MFPN66)
MFSN 88○○○R-○(○)T-G	M89	Face Mill (MFSN88)
MFSN 88○○○R-○(○)T-M-G	M89	Face Mill (MFSN88)
MFSN 88○○○R-S○○-○T-G	M90	Face Mill (MFSN88)
MFWN-90	M85,P9	Spare Parts (Shim)
MFWN ○○○○R-○(○)T(-M)	M84	Face Mill (MFWN)
MFWN ○○○○R-S○○-○T	M85	Face Mill (MFWN)
MGI ○○○○-1□(□)	M190	End Mill (Grooving for M/C)
MHD ○○-ORF	P31	Helical Radius End Mill (Discontinued Description)
MHD ○○(○)-BT50-A	P30	Helical End Mill (Discontinued Description)
MHD ○○(○)-BT50-SA	P30	Helical End Mill (Discontinued Description)
MHD ○○(○)-F	P30,P31	Helical End Mill (Discontinued Description)
MHD ○○(○)-FMA-A	P30	Helical End Mill (Discontinued Description)
MHD ○○(○)-FMA-SA	P30	Helical End Mill (Discontinued Description)
MHD ○○-S○○-ORSA	P31	Helical Radius End Mill (Discontinued Description)
MHD ○○-S○○-A(-○○○)	P30,P31	Helical End Mill (Discontinued Description)
MHD ○○-S○○-B	P30	Helical End Mill (Discontinued Description)
MHD ○○(S)-S○○-C	P30	Helical End Mill (Discontinued Description)
MHD ○○-S○○-SA	P30	Helical End Mill (Discontinued Description)
MHD ○○-S○○-SB	P30	Helical End Mill (Discontinued Description)
MOF ○○○○R-○○-○(○)T	M40,P26	Face Mill
MOF ○○○○R-○○-○(○)T-M	M40,P26	Face Mill
MOFX ○○○○R-○○-○(○)T-SF	P26	Face Mill (Discontinued Description)
MOFX ○○○○R○○-○(○)T-MSF	P26	Face Mill (Discontinued Description)
MRF ○○-S○○	M160	End Mill (Ball-nose)
MRF ○○-S○○-○○○	M160	End Mill (Ball-nose)
MRFW ○○-S○○	M160	End Mill (Ball-nose)
MRFW ○○-S○○-○○○	M160	End Mill (Ball-nose)
MRP ○○○R-○○	M174,P29	Face Mill (Radius Mill)
MRP ○○○R-○○-○T	P29	Face Mill (Radius Mill)
MRP ○○○-S○○-○○	P29	End Mill (Radius Mill)
MRP ○○○-S○○-○○-○T	P29	End Mill (Radius Mill)
MRP ○○○-S○○-○○-○T-○○○	P29	End Mill (Radius Mill)
MRP ○○○-S○○-○○-○○○	P29	End Mill (Radius Mill)
MRW ○○-S○○-○○-○T	M165	End Mill (Radius Mill)
MRW ○○-S○○-○○-○T-○○○	M165	End Mill (Radius Mill)
MRW ○○-W○○-○○-○T	M165	End Mill (Radius Mill)
MRW ○○○R-○○-○(○)T(-M)	M164	Face Mill (Radius Mill)
MRX ○○-M○○-○○-○T	M171	Modular type Head (MRX)
MRX ○○-S○○-○○-○T(-○○○)	M170	End Mill (Radius Mill)
MRX ○○-W○○-○○-○T	M170	End Mill (Radius Mill)
MRX ○○○R-○○-○T(-M)	M169	Face Mill (Radius Mill)
MSD-42	P9	Spare Parts (Shim)

Description	Page	Category
MSD 45○○	P27	Face Mill (with Shank / Discontinued Description)
MSD 45○○-32	P27	Face Mill (with Shank / Discontinued Description)
MSD 45○○(○)R	P27	Face Mill (Discontinued Description)
MSE 15○○(-32)	P28	Face Mill (with Shank / Discontinued Description)
MSE-4215	P9	Spare Parts (Shim)
MSE-4245	P9	Spare Parts (Shim)
MSE-4245S	P9	Spare Parts (Shim)
MSE 45○○	P26	Face Mill (with Shank / Discontinued Description)
MSE 45○○-32	P26	Face Mill (with Shank / Discontinued Description)
MSE 45○○○R-○(○)T	P26	Face Mill (Discontinued Description)
MSE 45○○○R-○(○)T-M	P26	Face Mill (Discontinued Description)
MSE 45○○○R-○T-M-SF	P27	Face Mill (Discontinued Description)
MSE 45○○○R-○T-SF	P27	Face Mill (Discontinued Description)
MS-FRW1	M136,M137	Spare Parts (Wrench / for MSTA)
MSO 45○○-S	M42	Face Mill (with Shank)
MSO 45○○-S32-09	P27	Face Mill (with Shank / Discontinued Description)
MSO 45○○○R	M42,P27	Face Mill
MSO 45○○○R-09	P27	Face Mill (Discontinued Description)
MSO 90○○-S32-○○	P29	Face Mill (with Shank)
MSO 90○○○R-○○	P29	Face Mill (Discontinued Description)
MSO 90○○○R-○○-○(○)T(-M)	P29	Face Mill
MSO-4T245	M42,P10	Spare Parts (Shim)
MSO-5200	P10	Spare Parts (Shim)
MSP 15○○	P28	Face Mill (with Shank)
MSP 15○○(○)R	P28	Face Mill (Discontinued Description)
MSP-42	P10	Spare Parts (Shim)
MSR ○○○R-○(M)	M98	Face Mill
MSR ○○○R-○-31.75	M98	Face Mill
MSR ○○○R-BT50-○	M99	Face Mill (Integral Arbor type)
MSRS 15○○○R-○(○)□	M44	Face Mill
MSRS 15○○○R-○(○)□-M	M44	Face Mill
MSRS 90○○○R-○-○(○)□(-M)	M94	Face Mill
MSTA ○○(○)□○○-○(○)T	M136	Slot Mill
MSTA ○○□○○○-○(○)T	M137	Slot Mill
MSTB ○○(○)□□○○○○-○T	M140,M141	Slot Mill
MSTB ○○○□□○○○-○T	M140	Slot Mill
MSTC ○○○□□○○○-○○○-○○	M146,M148,M150	Slot Mill
MSTC ○○○□□○○○-○○-○(○)T	M146,M147,M148, M149,M150,M151	Slot Mill
MT-○	K29	Spare Parts (Screw / Insert mounting screw)
MTE-42	P10	Spare Parts (Shim)
MTE 90○○	P28	Face Mill (with Shank)
MTE 90○○-32	P28	Face Mill (with Shank)
MTE 90○○(○)R	P28	Face Mill (Discontinued Description)
MTE 90○○○R-○T-SF	P28	Face Mill (Discontinued Description)
MTES ○○○	P29	End Mill (Discontinued Description)
MTP 90○○	M103	Face Mill (with Shank)
MTPS ○○○	P29	End Mill (Discontinued Description)
MVG ○○○○	M192,P31	End Mill (Ring Grooving for M/C)
MVLN%L ○○○○□-○○	D19	Toolholder (Turning)
MVN-32	D19,P10	Spare Parts (Shim)
MVVNN ○○○○□-○○	D19	Toolholder (Turning)
N		
NDCT ○○○○○○FR	M20	Insert (Milling)
NDCT ○○○○○○TR	M20	Insert (Milling)
NDCT ○○○○○○TRX	M20	Insert (Milling)
NDCW ○○○○○○FRX	C35,M20,M25	Insert (Milling)
NDCW ○○○○○○FRX-NE	C35,M25	Insert (Milling)
NDCW ○○○○○○TR	M20	Insert (Milling)
NDCW ○○○○○○TRX	M20	Insert (Milling)
NDMM ○○○○○○ER-N○	M20	Insert (Milling)
NDMM ○○○○○○ER-SP	M20	Insert (Milling)
NDMM ○○○○○○ER-T	M20	Insert (Milling)
NDMT ○○○○○○ER-D	M20	Insert (Milling)

Description	Page	Category
NDMT ○○○○○○ER-DH	M20	Insert (Milling)
NEMT ○○○○○○ER-D	M20	Insert (Milling)
NEMT ○○○○○○ER-DH	M20	Insert (Milling)
O		
OFMR ○○○○○○EN-GT	M21	Insert (Milling)
OFMR ○○○○○○EN-SH	M21	Insert (Milling)
OFMT ○○○○○○EN-GT	M21	Insert (Milling)
OFMT ○○○○○○E□-SH	M21	Insert (Milling)
P		
P-03	D16,N22,P7	Spare Parts (Shim Pin)
P-03S	D16,F70,F77,F78,P7	Spare Parts (Shim Pin)
P-37	M27,M31,M32,M45,M49, M50,M59,M71,M72,M74, M75,M77,M85,M89,M90, M95,M98,M99,M111,M113, M114,M118,M124,M125, M128,M141,M152,M153, M160,M164,M165,M169, M171,M185	Spare Parts (Anti-seize Compound)
PC-1	D9,D13,D14,D15, D16,D21,D22,D39, E43,F70,F71,F77, F78,N14,N22,P19	Spare Parts (Punch)
PC-2	D9,D13,D14,D15,D16, D21,D22,D39,E42, F70,F73,F80,N13, N14,N15,N22,P19	Spare Parts (Punch)
PC-2K	F65,F66	Spare Parts (Punch)
PCLN%L ○○○○□-○○	D9	Toolholder (Turning)
PCLNR ○○○○□□-○○FF	E42	Toolholder (Double Sided Tooling)
PD-42	F73,P10	Spare Parts (Shim)
PDHN%L ○○○○□-○○	D13	Toolholder (Turning)
PDJN%L ○○○○□-○○	D13	Toolholder (Turning)
PDJN%L ○○○○□-○○U	D13	Toolholder (Turning)
PH ○○○○-○○	F86	Sleeve (for Tip-Bars)
PNEA ○○○○XNTN-T01020	M14	Insert (Milling)
PNEG ○○○○XNEN-GL	M14	Insert (Milling)
PNEG ○○○○XNER-W	M14	Insert (Milling)
PNEG ○○○○XNTR-T00515	M14	Insert (Milling)
PNEG ○○○○XNTR-T01015W	M14	Insert (Milling)
PNEU ○○○○ANEL-GL	M15	Insert (Milling)
PNEU ○○○○ANER-GL	M15	Insert (Milling)
PNEU ○○○○ANER-W	M15	Insert (Milling)
PNMG ○○○○XNEN-GH	M14	Insert (Milling)
PNMG ○○○○XNEN-GM	M14	Insert (Milling)
PNMU ○○○○ANER-GH	M15	Insert (Milling)
PNMU ○○○○ANEL-GM	M15	Insert (Milling)
PNMU ○○○○ANER-GM	M15	Insert (Milling)
PNMU ○○○○ANER-SM	M15	Insert (Milling)
PNMU ○○○○XNER-GH	M15	Insert (Milling)
PNMU ○○○○XNER-GM	M15	Insert (Milling)
PNMU ○○○○XNER-SM	M15	Insert (Milling)
PP-4	F73,P7	Spare Parts (Lock Pin)
PRGC%L ○○○○□-○○	D21	Toolholder (Turning)
PRGC%L ○○○○□-○○BE	D39,P20	Toolholder (Turning)
PRGC%L ○○○○□-○○BF	D39,P20	Toolholder (Turning)
PRGN%L ○○○○□-○○	D21	Toolholder (Turning)
PRXC%L ○○○○□-○○	D21	Toolholder (Turning)
PSBN%L ○○○○□-○○	D14	Toolholder (Turning)
PSB%L ○○○○-○○NBS	C21,C34,F39	Tip-Bars (Boring)
PSB%L ○○○○-○○S	F39	Tip-Bars (Boring)
PSBT%L ○○○○-○○S	F39	Tip-Bars (Boring)
PSDNN ○○○○□-○○	D15	Toolholder (Turning)
PSFG%L ○○○○-○○S	G77	Tip-Bars (Face Grooving)
PSG%L ○○○○-○○S	G52	Tip-Bars (Internal Grooving)
PSH ○○○○(○)-○○(○)	P22	Sleeve (for 2-Edge Tip-Bars / Discontinued Description)
PSKNR ○○CA○○	N22	Toolholder (Cartridge)

Description	Page	Category
PSKN%L ○○○○□-○○	D14	Toolholder (Turning)
PSSNR ○○CA○○	N22	Toolholder (Cartridge)
PSSN%L ○○○○□-○○	D15	Toolholder (Turning)
PSTR ○○○○-○○S	J34	Tip-Bars (Threading)
P-ST-RC1/8	H15	Spare Parts (Coupling)
PSYNR ○○CA○○	N22	Toolholder (Cartridge)
PTFNR ○○CA○○	N22	Toolholder (Cartridge)
PTFN%L ○○○○□-○○	D16	Toolholder (Turning)
PTGNR ○○CA○○	N22	Toolholder (Cartridge)
PTGN%L ○○○○□-○○	D16	Toolholder (Turning)
PTLNR ○○○○□□-○○FF	E43	Toolholder (Double Sided Tooling)
PTTNR ○○CA○○	N22	Toolholder (Cartridge)
PVLN%L ○○○○□-○○Q	D20	Toolholder (Turning)
PVPN%L ○○○○□-○○Q	D20	Toolholder (Turning)
PVVNN ○○○○□-○○Q	D20	Toolholder (Turning)
PWLN%L ○○○○□-○○	D22	Toolholder (Turning)
R		
RBG ○○K○○○○○	B114	Insert (Turning)
RCGX ○○○○M0-AQ	B74	Insert (Turning)
RCGX ○○○○○○E○○○	B114	Insert (Turning)
RCGX ○○○○○○P○○○○○	B114	Insert (Turning)
RCGX ○○○○○○S○○○○○	B114	Insert (Turning)
RCGX ○○○○○○T○○○○○	B114	Insert (Turning)
RCMT ○○○○M0-BB	B103	Insert (Turning)
RCMX ○○○○M0	B74	Insert (Turning)
RDFG ○○FR	M21	Insert (Milling)
RDGT ○○○○M0ER-GM	M16	Insert (Milling)
RDGT ○○○○M0ER-SM	M16	Insert (Milling)
RDHX ○○○○M0T	M21	Insert (Milling)
RDMT ○○○○M0EN-GH	M16	Insert (Milling)
RDMT ○○○○M0ER-GM	M16	Insert (Milling)
RDMT ○○○○M0-H	M21	Insert (Milling)
RNGN ○○○○○○E○○○	B108	Insert (Turning)
RNGN ○○○○○○K○○○○○	B108	Insert (Turning)
RNGN ○○○○○○S○○○○○	B108	Insert (Turning)
RNGN ○○○○○○T○○○○○	B108	Insert (Turning)
RNMG ○○○○○○	B31	Insert (Turning)
RNMN ○○○○○○S○○○○○	C19	Insert (Turning)
ROMU ○○○○M0ER-GH	M16	Insert (Milling)
ROMU ○○○○M0ER-GM	M16	Insert (Milling)
ROMU ○○○○M0ER-SM	M16	Insert (Milling)
RPGN ○○○○○○E○○○	B113	Insert (Turning)
RPGN ○○○○○○T○○○○○	B113	Insert (Turning)
RPGT ○○○○M0ER-GM	M16	Insert (Milling)
RPGT ○○○○M0ER-SM	M16	Insert (Milling)
RPGX ○○○○○○E○○○	B114	Insert (Turning)
RPGX ○○○○○○T○○○○○	B114	Insert (Turning)
RPMT ○○○○M0	M21	Insert (Milling)
RPMT ○○○○M0-BB	B103,F64	Insert (Turning)
RPMT ○○○○M0EN-GH	M16	Insert (Milling)
RPMT ○○○○M0ER-GM	M16	Insert (Milling)
RPMT ○○○○M0-H	M21	Insert (Milling)
S		
S○○- CH○○	K25,K26,K27,K28	Toolholder (Chamfering Attachment / DRC)
S○○- DRS○○○○○	K56	Toolholder ("MagicDrill")
S○○- DRW○○○M-○-○○	K42,K43,K44,K45,K46	Toolholder ("MagicDrill")
S○○- DRW○○○○○M-○-06	K82,K83	Toolholder ("MagicDrill")
S○○- DRX○○○M-○-○○	K72,K73,K74,K75, K76,K77,K78	Toolholder ("MagicDrill")
S○○- DRZ○○○○(○○)-○○	K58,K59,K60,K61, K62,K63,K64	Toolholder ("MagicDrill")
S○○- DRZ○○○○○-○○CR	K65	Toolholder ("MagicDrill")
S○○□- CCLN%L ○○-○○A	F83,P24	Boring Bars
S○○□- CCLN%L ○○-○○GX	F82	Boring Bars
S○○□- CDUN%L ○○-○○GX	F82	Boring Bars

Insert Grades
Turnable Inserts
CNC & CNC Tools
External
Small Parts
Boring
Grooving
Cut-off
Threading
Drilling
Solid Tools
Milling
Tools for Mill
Spare Parts
Technical Information
Index

A
B
C
D
E
F
G
H
J
K
L
M
N
P
R
T

Description Index

○ : Figure, □ : Alphabet

Description	Page	Category
SOO□- CELNROO-OO	F81	Boring Bars
SOO□- CSKN%LOO-OO	F81	Boring Bars
SOO□- CSKN%LOO-OOA	P24	Boring Bars (Discontinued Description)
SOO□- CSKN%LOO-OOGX	F82	Boring Bars
SOO□- CSKPROO-OO	F62	Boring Bars
SOO□- CTUC%LOO-OO	P24	Boring Bars (Discontinued Description)
SOO□- CTUNROO-OOA	F83	Boring Bars
SOO□- CTUP%LOO-OO	F63,P24	Boring Bars
SOO(○)□- KGBFL16	G14	Sleeve Holder (Grooving)
SOO(○)□- KTGFL16	G19	Sleeve Holder (Grooving)
SOO(○)□- KTNL16	J22	Sleeve Holder (Threading)
SOO(○)□- KTTXL16	J26	Sleeve Holder (Threading)
SOO□- PCLN%LOO-OO	F70	Boring Bars
SOO□- PDQN%LOO-OO	F73	Boring Bars
SOO□- PDUN%LOO-OO	F71,F73	Boring Bars
SOO□- PDZN%LOO-OO	F73	Boring Bars
SOO□- PTUN%LOO-OO	F77	Boring Bars
SOO□- PWLN%LOO-OO	F78,F80	Boring Bars
SOO(○)□- SCLCLOO	E37	Sleeve Holder (Turning)
SOO□- SCLC%LOO-OO	F91,P23	Boring Bars (Discontinued Description)
SOO□- SCLC%LOO-OOA	F41	Boring Bars (Dynamic Bar)
SOO□- SCLC%LOO-OOE	F90,P23	Boring Bars (Discontinued Description)
SOO□- SCLC%LOO-OOAE	F41	Boring Bars (Dynamic Bar)
SOO□- SCLCROO-OOEZE	F19	Boring Bars (EZ Bar PLUS)
SOO□- SCLCROO-OOEZEZP	F19	Boring Bars (EZ Bar PLUS)
SOO□- SCLP%LOO-OO	F91,P23	Boring Bars (Discontinued Description)
SOO□- SCLP%LOO-OOA	F43	Boring Bars (Dynamic Bar)
SOO□- SCLP%LOO-OOE	F90,P23	Boring Bars (Discontinued Description)
SOO□- SDLCLOO	E38	Sleeve Holder (Turning)
SOO□- SDQC%LOO-OOA	F46	Boring Bars (Dynamic Bar)
SOO□- SDUCLOO	E38	Sleeve Holder (Turning)
SOO□- SDUC%LOO-OO	F91,P23	Boring Bars (Discontinued Description)
SOO□- SDUC%LOO-OOA	F45	Boring Bars (Dynamic Bar)
SOO□- SDUC%LOO-OOE	F90,P23	Boring Bars (Discontinued Description)
SOO□- SDZC%LOO-OO	F91,P23	Boring Bars (Discontinued Description)
SOO□- SDZC%LOO-OOA	F47	Boring Bars (Dynamic Bar)
SOO□- SDZC%LOO-OOE	F90,P23	Boring Bars (Discontinued Description)
SOO□- SSKPROO-OO	F62,P24	Boring Bars
SOO□- STLB%LOO-OOA	F51	Boring Bars (Dynamic Bar)
SOO□- STLB%LOO-OOAE	F51	Boring Bars (Dynamic Bar)
SOO□- STLBROO-OOEZEZP	F20	Boring Bars (EZ Bar PLUS)
SOO□- STLC%LOO-OOA	F49	Boring Bars (Dynamic Bar)
SOO□- STLP%LOO-OOA	F51	Boring Bars (Dynamic Bar)
SOO□- STLPROO-OOEZEZP	F20	Boring Bars (EZ Bar PLUS)
SOO□- STUB%LOO-OO	F92,P23	Boring Bars (Discontinued Description)
SOO□- STUB%LOO-OOE	F90,P23	Boring Bars (Discontinued Description)
SOO□- STUP%LOO-OO	F92,P23	Boring Bars (Discontinued Description)
SOO□- STUP%LOO-OOE	F90,P23	Boring Bars (Discontinued Description)
SOO□- STWPROO-OO	F52,J35	Toolholder (Boring / Threading)
SOO□- STWP%LOO-OOE	F52,J35	Toolholder (Boring / Threading)
SOO(○)□- STW%L15	F37,G78	Toolholder (for Twin Bars)
SOO□- SVJB%LOO-OOA	F54	Boring Bars (Dynamic Bar)
SOO□- SVJB%LOO-OOE	F89,F90,P24	Boring Bars (Discontinued Description)
SOO□- SVJB%LOO-OOEN	F90,P24	Boring Bars (Discontinued Description)
SOO□- SVJC%LOO-OOA	F54	Boring Bars (Dynamic Bar)
SOO□- SVJC%LOO-OOE	F91,P24	Boring Bars (Discontinued Description)
SOO□- SVJP%LOO-OOA	F54	Boring Bars (Dynamic Bar)
SOO□- SVJP%LOO-OOE	F91,P24	Boring Bars (Discontinued Description)
SOO□- SVNR12	P22	Toolholder (for System Tip-Bars / Discontinued Description)
SOO□- SVNR12N	F33	Toolholder (for System Tip-Bars)
SOO(○)□- SVNR12S	P22	Toolholder (for System Tip-Bars / Discontinued Description)
SOO(○)□- SVNR12SN	F33	Toolholder (for System Tip-Bars)
SOO(○)□- SVNR12SXN	F35	Toolholder (for System Tip-Bars)
SOO□- SVNR12XN	F35,P22	Toolholder (for System Tip-Bars)
SOO□- SVPB%LOO-OOA	F56	Boring Bars (Dynamic Bar)

Description	Page	Category
SOO□- SVPB%LOO-OOE	F89,F91,P24	Boring Bars (Discontinued Description)
SOO□- SVPB%LOO-OOEN	F91,P24	Boring Bars (Discontinued Description)
SOO□- SVPC%LOO-OOA	F56	Boring Bars (Dynamic Bar)
SOO□- SVPC%LOO-OOE	F91,P24	Boring Bars (Discontinued Description)
SOO(○)□- SVUCLOO	E39	Sleeve Holder (Turning)
SOO□- SVUCLOO	E39	Sleeve Holder (Turning)
SOO□- SVUB%LOO-OOA	F59	Boring Bars (Dynamic Bar)
SOO□- SVUB%LOO-OOE	F89,F91,P24	Boring Bars (Discontinued Description)
SOO□- SVUB%LOO-OOEN	F91,P24	Boring Bars (Discontinued Description)
SOO□- SVUC%LOO-OOA	F59	Boring Bars (Dynamic Bar)
SOO□- SVUC%LOO-OOE	F91,P24	Boring Bars (Discontinued Description)
SOO□- SVZB%LOO-OOA	F59	Boring Bars (Dynamic Bar)
SOO□- SVZB%LOO-OOE	F89,F91,P24	Boring Bars (Discontinued Description)
SOO□- SVZB%LOO-OOEN	F91,P24	Boring Bars (Discontinued Description)
SOO□- SVZC%LOO-OOA	F59	Boring Bars (Dynamic Bar)
SOO□- SVZC%LOO-OOE	F91,P24	Boring Bars (Discontinued Description)
SOO□- SWUB%LOO-OO	F92,P24	Boring Bars (Discontinued Description)
SOO□- SWUB%LOO-OOA	F61	Boring Bars (Dynamic Bar)
SOO□- SWUB%LOO-OOAE	F61	Boring Bars (Dynamic Bar)
SOO□- SWUB%LOO-OOE	F91,P24	Boring Bars (Discontinued Description)
SOO□- SWUB%LOO-OO-OO	F92,P24	Boring Bars (Discontinued Description)
SOO□- SWUBROO-OOEZEZP	F21	Boring Bars (EZ Bar PLUS)
SOO□- SWUP%LOO-OOA	F61	Boring Bars (Dynamic Bar)
SOO□- SWUP%LOO-OOE	F91,P24	Boring Bars (Discontinued Description)
SOO□- SYXP%LOO-OOE	P24	Boring Bars (Discontinued Description)
SOO□- WWLN%LOO-OOE	F80	Boring Bars
SABSR ○○○□(□)-OOF	E17,E49,P20	Toolholder (Turning)
SABWR ○○○□(□)-OOF	E18,E19,E49,P20	Toolholder (Turning)
SB-1STR	F53,P5	Spare Parts (Screw)
SB-1TR	F51,F53,P4	Spare Parts (Screw)
SB-2TR	F53,J23,P4	Spare Parts (Screw)
SB-3STR	F52,J35,P4	Spare Parts (Screw)
SB-3TR	F52,J35,N24,P4	Spare Parts (Screw)
SB-3.5TR	J20,J22,J23,P4	Spare Parts (Screw)
SB-4TR	F52,F62,F64,G20,G63, J28,J29,N24,P4	Spare Parts (Screw)
SB-5TR	G40,G41,G42,G65, H30,H31,P4	Spare Parts (Screw)
SB-1635TR	F19,F41,F48,P5	Spare Parts (Screw)
SB-1840TRP	M124,M125,P5	Spare Parts (Screw)
SB-2035TR	F19,F20,F21,F41, F51,F61,P5	Spare Parts (Screw)
SB-2035TRG	M66,P5	Spare Parts (Screw)
SB-2037TRP	K42,K43,K44,K45,K46,P5	Spare Parts (Screw)
SB-2040TR	J23,P5	Spare Parts (Screw)
SB-2040TRG	M128,M132,P5	Spare Parts (Screw)
SB-2041TRP	K42,K43,K44,K45,K46,P5	Spare Parts (Screw)
SB-2042TRG	K72,K74,K76,K78, M66,M67,P5	Spare Parts (Screw)
SB-2045TR	K58,K60,K62,K72, K74,K76,K78,P5	Spare Parts (Screw)
SB-2045TRN	G55,G56,P5	Spare Parts (Screw)
SB-2050TR	E29,E35,E36,E39,F54,F56, F59,F61,F73,F89,J23,P5	Spare Parts (Screw)
SB-2060TR	P5	Spare Parts (Screw)
SB-2080TR	K56,P5	Spare Parts (Screw)
SB-2250TR	F49,K72,K74,K76, K78,M178,P5	Spare Parts (Screw)
SB-2255TR	G55,G56,G57,P5	Spare Parts (Screw)
SB-2260TR	K58,K60,K62,M178,P5	Spare Parts (Screw)
SB-2290TR	K56,P4	Spare Parts (Screw)
SB-2545TR	F19,F20,F41,F47,F51, F61,M56,M57,M104,P5	Spare Parts (Screw)
SB-2555TRG	M56,M57,M58,M59,M74, M75,M77,M128,M132,P5	Spare Parts (Screw)
SB-2555TRP	K42,K43,K44,K45, K46,M171,P5	Spare Parts (Screw)
SB-2560TR	E37,E38,F45,F46, F47,F49,M180,P5	Spare Parts (Screw)

Description	Page	Category
SB-2570TR	E21, E22, E23, E24, E25, E26, E27, E28, E29, E30, E31, E32, E33, E34, E35, E36, E37, E39, E41, F54, F56, F58, G55, G56, G57, K68, K60, K62, K72, K74, K76, K78, N26, P5	Spare Parts (Screw)
SB-3060TR	F43, F51, M104, M176, M180, P5	Spare Parts (Screw)
SB-3060TRP	K42, K43, K44, K45, K46, P5	Spare Parts (Screw)
SB-3065TRP	M49, M50, M71, M72, M118, P5	Spare Parts (Screw)
SB-3070TRG	M128, M132, P5	Spare Parts (Screw)
SB-3070TRP	M169, M171, P5	Spare Parts (Screw)
SB-3080TR	D16, E17, E18, E19, E29, E40, F32, F33, F35, F37, F38, F76, G55, G78, G79, K72, K74, K76, K78, M178, N24, P5	Spare Parts (Screw)
SB-3573TRP	K42, K43, K44, K45, K46, P5	Spare Parts (Screw)
SB-3580TR	F67, K48, P5	Spare Parts (Screw)
SB-3590TRP	M152, M153, P5	Spare Parts (Screw)
SB-3592TR	K83, P5	Spare Parts (Screw)
SB-4050TRN	H16, P5	Spare Parts (Screw)
SB-4060TR	M105, M106, P5	Spare Parts (Screw)
SB-4065TR	E37, F41, F43, F45, F46, F47, F51, F61, M105, M106, M190, P5	Spare Parts (Screw)
SB-4070TRG	M128, M132, P5	Spare Parts (Screw)
SB-4070TRN	M57, M58, M59, M74, M75, M77, P5	Spare Parts (Screw)
SB-4070TRS	G18, G19, J28, N26, P5	Spare Parts (Screw)
SB-4070TRW	G14, G15, G16, G18, J26, N26, P5	Spare Parts (Screw)
SB-4075TRP	M113, M114, P5	Spare Parts (Screw)
SB-4082TPR	M40, P5	Spare Parts (Screw)
SB-4085TR	D8, D12, D14, D18, D22, E20, E22, E23, E24, E25, E26, E27, E28, E38, F69, F72, F75, F76, F79, G55, J23, K60, K62, K64, K73, K74, K76, K78, M180, M190, N3, N4, N5, N6, N26, P5	Spare Parts (Screw)
SB-4085TRP	M164, M165, P5	Spare Parts (Screw)
SB-4086TRP	K42, K43, K44, K45, K46	Spare Parts (Screw)
SB-4090TRP	M31, M32, M49, M50, M71, M72, M89, M90, P5	Spare Parts (Screw)
SB-4090TRPN	M111, M169, M171, P5	Spare Parts (Screw)
SB-4570TRN	H10, P5	Spare Parts (Screw)
SB-4590TRWN	E12, H8, H13, J24, P5	Spare Parts (Screw)
SB-5070TR	M176, P4	Spare Parts (Screw)
SB-5085TR	K59, K60, K61, K62, K63, K64, K65, M107, P5	Spare Parts (Screw)
SB-5090TR	E23, F64, K73, K75, K77, K78, M176, P4	Spare Parts (Screw)
SB-25100TR	K56, P4	Spare Parts (Screw)
SB-40115TR	F89, P4	Spare Parts (Screw)
SB-40120TR	G28, H20, H21, P5	Spare Parts (Screw)
SB-40125TRN	E31, E32, F54, F56, F59, N16, P5	Spare Parts (Screw)
SB-40140TR	G68, M45, M95, M98, M99, P5	Spare Parts (Screw)
SB-40140TRN	M27, M85, P5	Spare Parts (Screw)
SB-45130TR	P5	Spare Parts (Screw)
SB-50120TR	P4	Spare Parts (Screw)
SB-50120TRP	M111, M113, M169, M171, P5	Spare Parts (Screw)
SB-50120TRS	M40, P5	Spare Parts (Screw)
SB-50140TR	M27, M85, P5	Spare Parts (Screw)
SB-50140TRP	M164, M165, P5	Spare Parts (Screw)
SB-60120TR	G29, G30, G31, G82, G86, G87, H25, K59, K61, K65, K73, K75, K77, K78, M45, M95, M98, M99, M174, P5	Spare Parts (Screw)
SC-30067	M160, P6	Spare Parts (Screw)
SC-35085	M160, P6	Spare Parts (Screw)
SC-40100	M160, P6	Spare Parts (Screw)
SC-50130	M160, P6	Spare Parts (Screw)
SC-60160	M160, P6	Spare Parts (Screw)

Description	Page	Category
SC-60210	M160, P6	Spare Parts (Screw)
SCAC%L ○○○○□-○○	E49, P21	Toolholder (Turning/Discontinued Description)
SCAC%L ○○○○□-○○FF	E49, P21	Toolholder (Turning/Discontinued Description)
SCLC%L ○○○○□-○○	E23, E49, P21	Toolholder (Turning)
SCLC%L ○○○○□(□)-○○FF	E22	Toolholder (Turning)
SCLCR ○○○○□-○○FFJCT	E23	Toolholder (Turning)
SCLNR ○○○○□-○○FF	E40	Toolholder (for Small Double-Sided Tools)
SCMT ○○○○○○-GH-E	K40	Insert (Drilling)
SCMT ○○○○○○-GH-I	K40	Insert (Drilling)
SCMT ○○○○○○-GM-E	K40	Insert (Drilling)
SCMT ○○○○○○-GM-I	K40	Insert (Drilling)
SCMT ○○○○○○HQ	B75	Insert (Turning)
SCMT ○○○○○○-SM-E	K40	Insert (Drilling)
SCMT ○○○○○○-SM-I	K40	Insert (Drilling)
SCMT ○○○○○○-XM-E	K40	Insert (Drilling)
SCMT ○○○○○○-XM-I	K40	Insert (Drilling)
SDCN ○○○○AUTN	M10	Insert (Milling)
SDCT ○○○○□□-□□	M155	Insert (Milling)
SDCT ○○○○□%L-□□	M155	Insert (Milling)
SDET ○○○○□□-□□	M155	Insert (Milling)
SDET ○○○○□%L-□□	M155	Insert (Milling)
SDJC%L ○○○○□-○○	E25	Toolholder (Turning)
SDJC%L ○○○○□-○○F	E49, P21	Toolholder (Turning/Discontinued Description)
SDJCR ○○○○□□-○○-FOO	E20	Toolholder (Goose-neck holder)
SDJCR ○○○○□□-○○-FOOJCT	E25	Toolholder (Turning)
SDJC%L ○○○○□(□)-○○FF	E24	Toolholder (Turning)
SDJCR ○○○○□-○○FFJCT	E25	Toolholder (Turning)
SDLCL%L ○○○○□-○○FF	P21	Toolholder (Turning/Discontinued Description)
SDLNR ○○○○□-○○FF	E40	Toolholder (for Small Double-Sided Tools)
SDKN ○○○○AUFN	C35, M10, M25	Insert (Milling)
SDKN ○○○○AUFN-NE	C35, M25	Insert (Milling)
SDKN ○○○○AUTN	M10	Insert (Milling)
SDKR ○○○○AUEN-S	M10	Insert (Milling)
SDKW ○○○○AESN	M22	Insert (Milling)
SDKW ○○○○AETN	M22	Insert (Milling)
SDKW ○○○○○○FN	M22	Insert (Milling)
SDKW ○○○○○○TN	M22	Insert (Milling)
SDLCL%L ○○○○□(□)-○○FF	E26, E49	Toolholder (Turning)
SDLPL%L ○○○○□-○○F	E49, P21	Toolholder (Turning/Discontinued Description)
SDLPL%L ○○○○□(□)-○○FF	E28	Toolholder (Turning)
SDMR ○○○○AUER-H	M10	Insert (Milling)
SDMT ○○T○○○C	M22	Insert (Milling)
SDMT ○○○○AESR-H	M22	Insert (Milling)
SDMT ○○○○○○E-K	M22	Insert (Milling)
SDNCN ○○○○□(□)-○○	E27, E49, P21	Toolholder (Turning)
SDNC%L ○○○○□□-○○F	E27, E49, P21	Toolholder (Turning)
SDXC%L ○○○○□(□)-○○	E26, E49, P21	Toolholder (Turning)
SE-3070TRP	M152, M153, P6	Spare Parts (Screw)
SE-40050TRN	M141, M142, M143, P6	Spare Parts (Screw)
SE-40055TR	M141, M142, M143, P6	Spare Parts (Screw)
SE-40068TR	M141, M142, M143, P6	Spare Parts (Screw)
SE-40080TR	M142, M143, P6	Spare Parts (Screw)
SE-40090TR	M141, M142, M143, P6	Spare Parts (Screw)
SE-40100TR	M142, M143, P6	Spare Parts (Screw)
SE-40120TR	G40, H30, P6	Spare Parts (Screw)
SE-50125TR	G25, G28, G40, H20, H22, H30, P6	Spare Parts (Screw)
SEEN ○○○○AFFN	C35, M25	Insert (Milling)
SEEN ○○○○AFFN-NE	C35, M25	Insert (Milling)
SEEN ○○○○AFFR-W	C35, M10, M25	Insert (Milling)
SEEN ○○○○AFTN	M10	Insert (Milling)
SEEN ○○○○AFTR-W	M10	Insert (Milling)
SEKN ○○○○AFFN	M10	Insert (Milling)
SEKN ○○○○AFTN	M10	Insert (Milling)
SEKN ○○○○EFTR	M10	Insert (Milling)

Insert Grades
Turnable
Indexable Inserts
CN & PCD Tools
External
Small Parts
Machining
Boring
Grooving
Cut-off
Threading
Drilling
Solid Tools
Milling
Tools for
Turning Mill
Spare Parts
Technical Information
Index

A
B
C
D
E
F
G
H
J
K
L
M
N
P
R
T

Description Index

○ : Figure, □ : Alphabet

Description	Page	Category
SEKR ○○○○AFEN-S	M10	Insert (Milling)
SEKT ○○○○AFEN-S	M22	Insert (Milling)
SEKW ○○○○AFTN	M22	Insert (Milling)
SEKW ○○○○○○FN	M22	Insert (Milling)
SEKW ○○○○○○TN	M22	Insert (Milling)
SEMM ○○○○○○PESR	M22	Insert (Milling)
SEMR ○○○○AFER-H	M10	Insert (Milling)
SEMT ○○○○○○C	M22	Insert (Milling)
SFO○- DRA○○○M-○(○)(○)	K14,K15,K16,K17,K18	Toolholder ("MagicDrill")
SFO○- DRC○○○M-○	K30,K31,K32	Toolholder ("MagicDrill")
SF22F- KTGFL16-40P	N26	Flange holder (Grooving)
SF22F- KTTXL16-40P	N26	Flange holder (Threading)
SF22F- SCLCL09-40P	N26	Flange holder
SF22F- SDUCL11-40P	N26	Flange holder
SF22F- SH○○-40P	N26	Flange holder (Sleeve Type)
SF22F- SVUBL11-40P	N26	Flange holder
SF%/- ○○○(○)□	G98,G99,G100	Blade (Grooving)
SH ○○○○-○○○	F87	Sleeve (for Boring Bar)
SH-50150TR	P6	Spare Parts (Cartridge Clamp Screw)
SHA ○○○○(○)-○○○	F86,G57	Sleeve (for Automatic Lathe SIGE)
SHC ○○○○-○○	F87	Coolant Sleeve (for Boring Bar)
SHE ○○○○-○○	K51	Adjustment Sleeve (for MagicDrill)
SHEM ○○○○-○○	K57	Adjustment Sleeve (for MagicDrill DRS)
SHL- ○	F87	Spare Parts (Back Cover)
SIGE%/- ○○○○□-EH	G55	Toolholder (Internal Grooving)
SIGE%/- ○○○○□-WH	G56	Toolholder (Internal Grooving)
SIGER ○○○○□-WH-90	G57	Toolholder (Internal Grooving / for Automatic Lathe)
SIN%/- ○○○○S-○○(E)	J23	Toolholder (Threading)
SJS- ○	F88	Coolant Joint
SLT ○○-○○□□□	M138	Insert (Slot Mill MSTA)
SM○○○○A	N22,N23,N24	Spare Parts (Plate)
SM○○○○B	N22	Spare Parts (Plate)
SNCN ○○○○XNTN	M11	Insert (Milling)
SNGA ○○○○○○	B35	Insert (Turning)
SNGA ○○○○○○MEF	C10	Insert (Turning)
SNGA ○○○○○○S○○○○○	B109	Insert (Turning)
SNGA ○○○○○○S○○○○○ME	C10	Insert (Turning)
SNGA ○○○○○○S○○○○○MEH	C10	Insert (Turning)
SNGA ○○○○○○S○○○○○MEP	C10	Insert (Turning)
SNGA ○○○○○○S○○○○○MET	C10	Insert (Turning)
SNGA ○○○○○○T○○○○○	B109	Insert (Turning)
SNGA ○○○○○○T○○○○○ME	C10	Insert (Turning)
SNGG ○○○○○○%-25R	B35	Insert (Turning)
SNGG ○○○○○○%-B/C	B35	Insert (Turning)
SNGN ○○○○○○S○○○○○	B109	Insert (Turning)
SNGN ○○○○○○T○○○○○	B109,B110	Insert (Turning / Milling)
SNGX ○○○○○○T○○○○○	B110	Insert (Turning)
SNKN ○○○○XNTN	M11	Insert (Milling)
SNMA ○○○○○○	B35	Insert (Turning)
SNMA ○○○○○○S○○○○○	B109	Insert (Turning)
SNMF ○○○○XNTN	M11	Insert (Milling)
SNMF ○○○○○○-21	B103,F64	Insert (Turning)
SNMG ○○○○○○	B32	Insert (Turning)
SNMG ○○○○○○C	B34	Insert (Turning)
SNMG ○○○○○○GC	B34	Insert (Turning)
SNMG ○○○○○○HQ	B32	Insert (Turning)
SNMG ○○○○○○HS	B32	Insert (Turning)
SNMG ○○○○○○KG	B34	Insert (Turning)
SNMG ○○○○○○KH	B34	Insert (Turning)
SNMG ○○○○○○MQ	B34	Insert (Turning)
SNMG ○○○○○○MS	B34	Insert (Turning)
SNMG ○○○○○○MU	B34	Insert (Turning)
SNMG ○○○○○○PG	B32	Insert (Turning)
SNMG ○○○○○○PH	B33	Insert (Turning)
SNMG ○○○○○○PQ	B32	Insert (Turning)

Description	Page	Category
SNMG ○○○○○○PS	B32	Insert (Turning)
SNMG ○○○○○○PT	B32	Insert (Turning)
SNMG ○○○○○○SG	B34	Insert (Turning)
SNMG ○○○○○○%-C	B35	Insert (Turning)
SNMG ○○○○○○XP	B33	Insert (Turning)
SNMG ○○○○○○XQ	B33	Insert (Turning)
SNMG ○○○○○○XS	B33	Insert (Turning)
SNMG ○○○○○○ZS	B34	Insert (Turning)
SNMM ○○○○○○PX	B33	Insert (Turning)
SNMN ○○○○○○	B35,M11	Insert (Turning / Milling)
SNMN ○○○○○○S○○○○○	C19	Insert (Turning)
SNMN ○○○○○○T○○○○○	B110	Insert (Turning)
SNMU ○○○○EN-GH	M16	Insert (Milling)
SNMU ○○○○EN-GM	M16	Insert (Milling)
SNMU ○○○○EN-SM	M16	Insert (Milling)
SOKN 13T3AXFN	M10	Insert (Milling)
SOKN 13T3AXTN	M10	Insert (Milling)
SOKN ○○○○AXFN-NE	C35,M25	Insert (Milling)
SOKR 13T3AXEN-J	M10	Insert (Milling)
SOMT ○○○○AXEN-J	M22	Insert (Milling)
SOMT ○○○○○○ER-FL	M17	Insert (Milling)
SOMT ○○○○○○ER-GM	M17	Insert (Milling)
SOMT ○○○○○○ER-LD	M17	Insert (Milling)
SOMW ○○○○AXFN	M22	Insert (Milling)
SOMW ○○○○AXTN	M22	Insert (Milling)
SP-2D	D16,P18	Spare Parts (Spring)
SP-3D	D6,D12,D14,D22,F69, F72,F75,F76,F79,N3, N4,N5,N6,P18	Spare Parts (Spring)
SP-5	G68,P18	Spare Parts (Spring)
SP-5D	D18,P18	Spare Parts (Spring)
SP-6	G10,G44,G45,G66,P18	Spare Parts (Spring)
SP3X4	F32,F33,F35,P6	Spare Parts (Screw)
SP3X6	M42,P6	Spare Parts (Screw)
SP3X8	D40,E44,E45,J20,J21, J23,M103,N9,N17,P6	Spare Parts (Screw)
SP3X10	F63,P6	Spare Parts (Screw)
SP4X9	P6	Spare Parts (Screw)
SP8X35	P6	Spare Parts (Mounting Bolt)
SP-129	D36,D37,P10	Spare Parts (Shim)
SP-130A	P11	Spare Parts (Shim)
SP-141	D27,D32,D33,D36,D37,P10	Spare Parts (Shim)
SP-141P	F81,F82,P11	Spare Parts (Shim)
SP-143	D27,D36,D37,P10	Spare Parts (Shim)
SP-143P	F81,P11	Spare Parts (Shim)
SP-148	D36,D37,P10	Spare Parts (Shim)
SP-162	D27,D32,D33,P10	Spare Parts (Shim)
SP-210A	F83,P11	Spare Parts (Shim)
SP-219	D38,P10	Spare Parts (Shim)
SP-221	D28,P10	Spare Parts (Shim)
SP-223	D28,P10	Spare Parts (Shim)
SP-230P	P11	Spare Parts (Shim)
SP-341P	F81,P11	Spare Parts (Shim)
SP-342	D25,P10	Spare Parts (Shim)
SP-420A	F83,P11	Spare Parts (Shim)
SP-429	D34,P11	Spare Parts (Shim)
SP-441	D24,D30,P10	Spare Parts (Shim)
SP-441P	F82,N3,P11	Spare Parts (Shim)
SP-441P-C	N3	Spare Parts (Shim)
SP-443	D24,P10	Spare Parts (Shim)
SP-443P	P11	Spare Parts (Shim)
SP-454	D24,P10	Spare Parts (Shim)
SP-521	D31,P11	Spare Parts (Shim)
SP-521P	F82,P11	Spare Parts (Shim)
SP-523	P11	Spare Parts (Shim)
SP-523P	P11	Spare Parts (Shim)

Description	Page	Category
SP-541	D31,P11	Spare Parts (Shim)
SP-543	P11	Spare Parts (Shim)
SP-826	D35,P11	Spare Parts (Shim)
SP-829	D35,P11	Spare Parts (Shim)
SP-841	D29,D35,P11	Spare Parts (Shim)
SP-843	D29,D35,P11	Spare Parts (Shim)
SP-849	D35,P11	Spare Parts (Shim)
SP-861	D29,P11	Spare Parts (Shim)
SPCN ○○○○EDTR	M11	Insert (Milling)
SPCN ○○○○EETR1	M11	Insert (Milling)
SPCN ○○○○XPTR	M11	Insert (Milling)
SPCT ○○T○○○□□-□□	M154	Insert (Milling)
SPCT ○○T○○○□%□□	M154	Insert (Milling)
SPEN ○○○○EEER	M11	Insert (Milling)
SPEN ○○○○EESR	M11	Insert (Milling)
SPET ○○T○○○□%□□	M154	Insert (Milling)
SPGH ○○○○○○L	B75	Insert (Turning)
SPGN ○○○○○○	B75,C29,M11	Insert (Turning / Milling)
SPGN ○○○○○○ONE	C29	Insert (Turning / Milling)
SPGN ○○○○○○S○○○○○	B113	Insert (Turning)
SPGN ○○○○○○T○○○○○	B113	Insert (Turning)
SPGR ○○○○○○%	B75	Insert (Turning)
SPKN ○○○○EDER	M11	Insert (Milling)
SPKN ○○○○EDFR	M11	Insert (Milling)
SPKN ○○○○EDT%	M11	Insert (Milling)
SPKN ○○○○XETR	M11	Insert (Milling)
SPKN ○○○○XPFR	M11	Insert (Milling)
SPKN ○○○○XPT%	M11	Insert (Milling)
SPKR ○○○○EDER-S	M11	Insert (Milling)
SPMN ○○○○○○	B75,M11	Insert (Turning / Milling)
SPMR ○○○○EDER-H	M11	Insert (Milling)
SPMR ○○○○○○	B75	Insert (Turning)
SPMR ○○○○○○G	B75	Insert (Turning)
SPMT ○○○○EDER-NB○	M23	Insert (Milling)
SPMT ○○○○EDER-NB○P	M23	Insert (Milling)
SPMT ○○○○EDER-V	M23	Insert (Milling)
SPMT ○○○○EDS%-NB○T	M23	Insert (Milling)
SPMT ○○○○○○EN-NB○	M24	Insert (Milling)
SPMT ○○○○○○EN-NB○P	M24	Insert (Milling)
SPMT ○○○○○○EN-V	M24	Insert (Milling)
SPMT ○○○○○○E-Z	M24	Insert (Milling)
SP-RC	D40,P12	Spare Parts (Shim)
SPW-6045	P6	Spare Parts (Screw)
SPW-7050	M27,M85,P6	Spare Parts (Screw)
SRCP%L ○○○○B-○○-A○○	F64	Boring Bars (for Bearing Machining)
SS-4N	E31,E32,F54,F57,F59,N16,P6	Spare Parts (Shim Screw)
SS○○- DRA○○○M-○(,○)	K10,K11,K12,K13	Toolholder ("MagicDrill")
SS○○- DRC○○○M-○	K25,K26,K27	Toolholder ("MagicDrill")
STDER ○○○A○○	N24	Toolholder (Cartridge)
STDPR ○○○A○○	N24	Toolholder (Cartridge)
STEER ○○○A○○	N24	Toolholder (Cartridge)
STEPR ○○○A○○	N24	Toolholder (Cartridge)
STFER ○○○A○○	N24	Toolholder (Cartridge)
STFPR ○○○A○○	N24	Toolholder (Cartridge)
STGC%L ○○○○□-○○	E29,E49,P21	Toolholder (Turning)
STGP%L ○○○○□-○○	E29,E49,P21	Toolholder (Turning)
STLNR ○○○○□-○○FF	E41	Toolholder (for Small Double-Sided Tools)
STW%L ○○○○□-15	F37,G78,P22	Toolholder (for Twin Bars)
STWSR ○○○○□(□)-15T	F38,G79,P22	Toolholder (for Twin Bars)
SV-60136R	P6	Spare Parts (Screw)
SV-60136TR	P6	Spare Parts (Screw)
SVJB%L ○○○○□-○○	E31	Toolholder (Turning)
SVJB%L ○○○○□-○○FF	E50,P21	Toolholder (Turning/Discontinued Description)
SVJB%L ○○○○□-○○N	E31	Toolholder (Turning)

Description	Page	Category
SVJB%L ○○○○□□-○○FF	E30	Toolholder (Turning)
SVJBR ○○○○□□-○○FFJCT	E30	Toolholder (Turning)
SVJC%L ○○○○□(□)-○○FF	E33	Toolholder (Turning)
SVLC%L ○○○○□(□)-○○FF	E33	Toolholder (Turning)
SVPCR ○○○○□(□)-○○FF	E34	Toolholder (Turning)
SVJP%L ○○○○□(□)-○○FF	E35	Toolholder (Turning)
SVJPR ○○○○□□-○○FFJCT	E35	Toolholder (Turning)
SVLP%L ○○○○□□-○○FF	E50,P21	Toolholder (Turning)
SVLPR ○○○○□□-○○-F○○	E21	Toolholder (Goose-neck holder)
SVLP%L ○○○○□(□)-○○FF	E35,E50,P21	Toolholder (Turning)
SVNR ○○○○□-12	P22	Toolholder (for System Tip-Bars / Discontinued Description)
SVNR ○○○○□-12N	F32	Toolholder (for System Tip-Bars)
SVN-32	F89,P12	Spare Parts (Shim)
SVN-32N	E31,E32,F54,F57,F59,N16,P12	Spare Parts (Shim)
SVN-32S	E31,E32,F54,F57,F59,P12	Spare Parts (Shim)
SVNSR ○○○○□□-12-○○	P22	Toolholder (for System Tip-Bars / Discontinued Description)
SVNSR ○○○○□□-12-○○N	F32	Toolholder (for System Tip-Bars)
SVNSR ○○○○□□-12-○○XN	F35	Toolholder (for System Tip-Bars)
SVPB%L ○○○○□(□)-○○	E31,E50,P22	Toolholder (Turning)
SVPB%L ○○○○□□-○○N	E31,P22	Toolholder (Turning)
SVPP%L ○○○○□□-○○	E50,P21	Toolholder (Turning/Discontinued Description)
SVPP%L ○○○○□(□)-○○FF	E36,P21	Toolholder (Turning)
SVVBN ○○○○□(□)-○○	E32,E50,P22	Toolholder (Turning)
SVVBN ○○○○□□-○○N	E32,P22	Toolholder (Turning)
SVVCN ○○○○□□-○○	E34	Toolholder (Turning)
SW-1.8	N22,N23,N24	Spare Parts (Axial screw driver)
SYXP%L ○○○○□□-○○F	P21	Toolholder (Turning/Discontinued Description)
T		
T63H- BL○○○-○○○	P31	Toolholder (HSK Tooling / Discontinued Description)
T63H- C○○-○○(○)	N18	Toolholder (HSK Tooling)
T63H- KGBA%L-16	N17	Grooving (HSK Tooling)
T63H- KGBA%L-22-○○	N17	Grooving (HSK Tooling)
T63H- KTNR-○○	N17	Threading (HSK Tooling)
T63H- N○○-○○(○)	N18	Toolholder (HSK Tooling)
T63H- PCLN%L-DX12	N13	Toolholder (HSK Tooling)
T63H- PCMNN-□12	N13	Toolholder (HSK Tooling)
T63H- PDJN%L-DX15	N13	Toolholder (HSK Tooling)
T63H- PDNNN-□15	N14	Toolholder (HSK Tooling)
T63H- PTGN%L-DX16	N14	Toolholder (HSK Tooling)
T63H- PWLN%L-DX08	N15	Toolholder (HSK Tooling)
T63H- S2020R-105T	N12	Toolholder (HSK Tooling)
T63H- S2525-○○(○)F	N12	Toolholder (HSK Tooling)
T63H- S2525%L-○○○	N11	Toolholder (HSK Tooling)
T63H- SVLB%L-DX16N	N16	Toolholder (HSK Tooling)
T63H- SVVBN-□16N	N16	Toolholder (HSK Tooling)
T63H- WTENN-□16	N14	Toolholder (HSK Tooling)
T63H- WWMNN-□08	N15	Toolholder (HSK Tooling)
T100H- C○○-○○(○)	N18	Toolholder (HSK Tooling)
T100H- N○○-○○(○)	N18	Toolholder (HSK Tooling)
T100H- S2525-○○○F	N12	Toolholder (HSK Tooling)
T100H- S2525R-150T	N12	Toolholder (HSK Tooling)
T100H- S2525%L-○○○	N11	Toolholder (HSK Tooling)
TBET ○○○○○○(○)M%L	B76	Insert (Turning)
TBGN ○○○○○○F	C18	Insert (Turning)
TBGN ○○○○○○S○○○○○	B113	Insert (Turning)
TBGN ○○○○○○T○○○○○	C18	Insert (Turning)
TBGT ○○○○○○CF	B76	Insert (Turning)
TBGT ○○○○○○(○)M%L	B76	Insert (Turning)
TBGT ○○○○○○M-CF	B76	Insert (Turning)
TBGT ○○○○○○MFP-PF	B76	Insert (Turning)
TBGT ○○○○○○MP-CF	B76	Insert (Turning)
TBGT ○○○○○○(○)%L	B76	Insert (Turning)
TBGW ○○○○○○	B76,C26	Insert (Turning)
TBGW ○○○○○○NE	C26	Insert (Turning)

Insert Grades
Turnable Inserts
CNK & PCD Tools
External
Small Parts
Boring
Grooving
Cut-off
Threading
Drilling
Solid Tools
Milling
Tools for
Spare Parts
Technical Information
Index

A
B
C
D
E
F
G
H
J
K
L
M
N
P
R
T

Description	Page	Category
TBMT ○○○○○○	C26	Insert (Turning)
TBMT ○○○○○○DP	B76	Insert (Turning)
TBMT ○○○○○○NE	C26	Insert (Turning)
TCET ○○○○○○(○)F%-USF	B77	Insert (Turning)
TCET ○○○○○○(○)MF%-USF	B77	Insert (Turning)
TCGN ○○○○○○	B79	Insert (Turning)
TCGN ○○○○○○T○○○○○	B113	Insert (Turning)
TCGR ○○○○○○L-F	B79	Insert (Turning)
TCGT ○○○○○○E%-U	B78	Insert (Turning)
TCGT ○○○○○○(○)F%-U	B78	Insert (Turning)
TCGT ○○○○○○ME%-U	B78	Insert (Turning)
TCGT ○○○○○○(○)MF%-U	B78	Insert (Turning)
TCGT ○○○○○○%-A3	B79	Insert (Turning)
TCGW ○○○○○○	B79,C26	Insert (Turning)
TCGW ○○○○○○NE	C26	Insert (Turning)
TCGW ○○○○○○SE	C26	Insert (Turning)
TCMT ○○○○○○	C26	Insert (Turning)
TCMT ○○○○○○HQ	B77	Insert (Turning)
TCMT ○○○○○○NE	C26	Insert (Turning)
TCMT ○○○○○○SE	C26	Insert (Turning)
TCMX ○○○○○○WP	B77	Insert (Turning)
TEEN ○○○○PTFR	C35,M25	Insert (Milling)
TEEN ○○○○PTFR-NE	C35,M25	Insert (Milling)
TEEN ○○○○PTTR	M12	Insert (Milling)
TEKN ○○○○PTFR	C35,M12,M25	Insert (Milling)
TEKN ○○○○PTFR-NE	C35,M25	Insert (Milling)
TEKN ○○○○PTTR	M12	Insert (Milling)
TEKR ○○○○PTFR-S	M12	Insert (Milling)
TEMR ○○○○PTFR-H	M12	Insert (Milling)
TEMT ○○○○○○-AQ	M24	Insert (Milling)
TG ○○%-○○○	G20,G63	Insert (Grooving)
TGF ○○%-○○○-○○○	C30,G19	Insert (Grooving)
TH-3L	M152,M153	Spare Parts (Wrench)
TH-4	M42,P18	Spare Parts (Hexagon Wrench / T-shaped type)
TH8X15	M42,P6	Spare Parts (Screw)
TKN ○(.○)	H33	Insert (Cut-off)
TKN ○(.○)-P	H33	Insert (Cut-off)
TK%-○(.○)	H33	Insert (Cut-off)
TK%-○(.○)-P	H33	Insert (Cut-off)
TKF ○○L○○○-ASR	C32,E16	Insert (Grooving / Turning)
TKF ○○%-○○○-AS	C32,E16	Insert (Grooving / Turning)
TKF ○○%-○○○-NB(○.○)	C32,E16,H6,H7	Insert (Grooving / Turning)
TKF ○○%-○○○-NB-○○DR	H6,H7	Insert (Cut-off)
TKF ○○%-○○○-S	H6,H7	Insert (Cut-off)
TKF ○○%-○○○-S-○○DR	H6,H7	Insert (Cut-off)
TKF ○○%-○○○-T	H6,H7	Insert (Cut-off)
TKF ○○%-○○○-T-○○DR	H6,H7	Insert (Cut-off)
TKFB ○○L○○○○○MR	B100,E12	Insert (Back Turning)
TKFB ○○R○○○○○-GQ	B101,E12	Insert (Back Turning)
TKFB ○○R○○○○○M	B100,E12	Insert (Back Turning)
TKFB ○○R○○○○○P-GQ	B101,E12	Insert (Back Turning)
TKFS ○○%-○○○-S	H17	Insert (Cut-off)
TKFT 12%□○○○○(○)	J24	Insert (Threading)
TN-32	J20,J21,J23,N9,N17,P12	Spare Parts (Shim)
TN-43	J20,J23,N17,P12	Spare Parts (Shim)
TNEG ○○○○○○%-SSF	B42	Insert (Turning)
TNGA ○○○○○○	B40	Insert (Turning)
TNGA ○○○○○○ME6	C10	Insert (Turning)
TNGA ○○○○○○MEF	C10	Insert (Turning)
TNGA ○○○○○○S○○○○○	B111	Insert (Turning)
TNGA ○○○○○○S○○○○○ME	C11	Insert (Turning)
TNGA ○○○○○○S○○○○○MEH	C11	Insert (Turning)
TNGA ○○○○○○S○○○○○MEP	C10	Insert (Turning)
TNGA ○○○○○○S○○○○○MET	C11	Insert (Turning)
TNGA ○○○○○○S○○○○○SE	C11	Insert (Turning)

Description	Page	Category
TNGA ○○○○○○S○○○○○SET	C11	Insert (Turning)
TNGA ○○○○○○T○○○○○	B111	Insert (Turning)
TNGA ○○○○○○T○○○○○ME	C11	Insert (Turning)
TNGG ○○○○○○AH	B41	Insert (Turning)
TNGG ○○○○○○FP-TK	B39	Insert (Turning)
TNGG ○○○○○○MFP-SK	B38	Insert (Turning)
TNGG ○○○○○○M-SK	B38	Insert (Turning)
TNGG ○○○○○○%	B43	Insert (Turning)
TNGG ○○○○○○%-25R	B43	Insert (Turning)
TNGG ○○○○○○%-A3	B41	Insert (Turning)
TNGG ○○○○○○%-B/C	B42,B43	Insert (Turning)
TNGG ○○○○○○%-S	B42	Insert (Turning)
TNGG ○○○○○○TK	B39	Insert (Turning)
TNGM ○○○○○○S○○○○○BBO	C11	Insert (Turning)
TNGN ○○○○○○S○○○○○	B111	Insert (Turning)
TNGN ○○○○○○T○○○○○	B111	Insert (Turning)
TNGU ○○○○○○MER-U	B52	Insert (Turning)
TNGU ○○○○○○(○)MFR-F	B52	Insert (Turning)
TNGU ○○○○○○(○)MFR-U	B52	Insert (Turning)
TNMA ○○○○○○	B40	Insert (Turning)
TNMG ○○○○○○	B37	Insert (Turning)
TNMG ○○○○○○AH	B41	Insert (Turning)
TNMG ○○○○○○C	B40	Insert (Turning)
TNMG ○○○○○○CQ	B36	Insert (Turning)
TNMG ○○○○○○GC	B40	Insert (Turning)
TNMG ○○○○○○GP	B36	Insert (Turning)
TNMG ○○○○○○GS	B36	Insert (Turning)
TNMG ○○○○○○GT	B37	Insert (Turning)
TNMG ○○○○○○HQ	B36	Insert (Turning)
TNMG ○○○○○○HS	B37	Insert (Turning)
TNMG ○○○○○○KG	B40	Insert (Turning)
TNMG ○○○○○○KH	B40	Insert (Turning)
TNMG ○○○○○○KQ	B40	Insert (Turning)
TNMG ○○○○○○MQ	B39	Insert (Turning)
TNMG ○○○○○○MS	B39	Insert (Turning)
TNMG ○○○○○○MU	B39	Insert (Turning)
TNMG ○○○○○○PG	B36	Insert (Turning)
TNMG ○○○○○○PH	B37	Insert (Turning)
TNMG ○○○○○○PP	B36	Insert (Turning)
TNMG ○○○○○○PQ	B36	Insert (Turning)
TNMG ○○○○○○PS	B37	Insert (Turning)
TNMG ○○○○○○PT	B37	Insert (Turning)
TNMG ○○○○○○%-C	B43	Insert (Turning)
TNMG ○○○○○○R-LD	B38	Insert (Turning)
TNMG ○○○○○○%-ST	B39	Insert (Turning)
TNMG ○○○○○○SG	B39	Insert (Turning)
TNMG ○○○○○○TK	B39	Insert (Turning)
TNMG ○○○○○○XF	B38	Insert (Turning)
TNMG ○○○○○○XP	B38	Insert (Turning)
TNMG ○○○○○○XQ	B38	Insert (Turning)
TNMG ○○○○○○XS	B38	Insert (Turning)
TNMG ○○○○○○ZS	B40	Insert (Turning)
TNMM ○○○○○○M	C23	Insert (Turning)
TNMM ○○○○○○M-NE	C23	Insert (Turning)
TNMM ○○○○○○M-SE	C23	Insert (Turning)
TNMM ○○○○○○PX	B38	Insert (Turning)
TNMM ○○○○○○S○○○○○	C19	Insert (Turning)
TNMX ○○○○○○WF	B36	Insert (Turning)
TNW-32	P12	Spare Parts (Shim)
TPEH ○○○○○○M%-P	B85	Insert (Turning)
TPET ○○○○○○(○)F%-USF	B86	Insert (Turning)
TPET ○○○○○○(○)MF%-USF	B86	Insert (Turning)
TPET ○○○○○○(○)M%-FSF	B85	Insert (Turning)
TPET ○○○○○○(○)%-FSF	B85	Insert (Turning)
TPGB ○○○○○○(○)	B86,C27,J35	Insert (Turning / Threading)

Description	Page	Category
TPGB ○○○○○MEF	C16	Insert (Turning)
TPGB ○○○○○ONE	C27	Insert (Turning)
TPGB ○○○○○SE	C26	Insert (Turning)
TPGB ○○○○○S○○○○MES	C16	Insert (Turning)
TPGB ○○○○○S○○○○MET	C16	Insert (Turning)
TPGB ○○○○○S○○○○SET	C16	Insert (Turning)
TPGB ○○○○○T○○○○OME	C16	Insert (Turning)
TPGB ○○○○○T○○○○OSE	C16	Insert (Turning)
TPGH ○○○○○M%L	B83	Insert (Turning)
TPGH ○○○○○M%L-H	B84	Insert (Turning)
TPGH ○○○○○%L	B82	Insert (Turning)
TPGH ○○○○○%L-H	B84	Insert (Turning)
TPGN ○○○○○○	B88,C29,M12,M25	Insert (Turning / Milling)
TPGN ○○○○○ONE	C29	Insert (Turning / Milling)
TPGN ○○○○○SE	C29	Insert (Turning / Milling)
TPGN ○○○○○S○○○○○	B113	Insert (Turning)
TPGN ○○○○○S○○○○SET	C18	Insert (Turning)
TPGN ○○○○○T○○○○○	B113	Insert (Turning / Milling)
TPGN ○○○○○T○○○○OME	C18	Insert (Turning)
TPGN ○○○○○T○○○○OSE	C18	Insert (Turning)
TPGR ○○○○○%L-A/B/C	B88	Insert (Turning)
TPGR ○○○○○%L-F	B87	Insert (Turning)
TPGT ○○○○○AP	B86	Insert (Turning)
TPGT ○○○○○CF	B80	Insert (Turning)
TPGT ○○○○○M-CF	B80	Insert (Turning)
TPGT ○○○○○MFP-PF	B80	Insert (Turning)
TPGT ○○○○○MP-CF	B80	Insert (Turning)
TPGT ○○○○○%L-H	B84	Insert (Turning)
TPGW ○○○○○S○○○○MET	C16	Insert (Turning)
TPGW ○○○○○T○○○○OME	C16	Insert (Turning)
TPGW ○○○○○T○○○○OSE	C16	Insert (Turning)
TPKN ○○○○PDR	M12	Insert (Milling)
TPKN ○○○○PDTR	M12	Insert (Milling)
TPKR ○○○○PDER-S	M12	Insert (Milling)
TPMH ○○○○○○	C27	Insert (Turning)
TPMH ○○○○○ONE	C27	Insert (Turning)
TPMH ○○○○○OL-NE	C28	Insert (Turning)
TPMH ○○○○○SE	C27	Insert (Turning)
TPMN ○○○○○○	B88,M12	Insert (Turning / Milling)
TPMR ○○○○PDER-H	M12	Insert (Milling)
TPMR ○○○○○○	B87	Insert (Turning)
TPMR ○○○○○DP	B87	Insert (Turning)
TPMR ○○○○○G	B87	Insert (Turning)
TPMR ○○○○○GP	B87	Insert (Turning)
TPMR ○○○○○HQ	B87	Insert (Turning)
TPMT ○○○○○GP	B81	Insert (Turning)
TPMT ○○○○○HQ	B81	Insert (Turning)
TPMT ○○○○○PP	B80	Insert (Turning)
TPMT ○○○○○XP	B81	Insert (Turning)
TPMT ○○○○○XQ	B81	Insert (Turning)
TPMX ○○○○○%L-WP	B80	Insert (Turning)
TPMX ○○○○○WP	B80	Insert (Turning)
TS-3S	D19,P7	Spare Parts (Lock Pin)
TT-15	M36,M37,P18	Spare Parts (Torx Wrench / T-shaped type)
TT-15L	M141,M143	Spare Parts (Torx Wrench / T-shaped type)
TT-25	M160,P18	Spare Parts (Torx Wrench / T-shaped type)
TT-25L	M45,M95,M98,M99,P18	Spare Parts (Torx Wrench / T-shaped type)
TT-30	M160,P18	Spare Parts (Torx Wrench / T-shaped type)
TT 43ER○○○M	J28	Insert (Threading)
TT ○○%L○○○○	J28,J29	Insert (Threading)
TTC-25	P18	Spare Parts (Torx Wrench / T-shaped type)
TTP-20	M111,M113,M164,M165,M169,M171,P18	Spare Parts (Torx Plus Wrench / T-shaped type)
TTW-15	M27,M85,M185	Spare Parts (Torx Wrench / T-shaped type)
TTX 32R○○○○(○)	J27	Insert (Threading)

Description	Page	Category
TTX 32R○○○○(○)S	J27	Insert (Threading)
TWBR ○○○○○-○○○	F37	Twin Bars (Turning)
TWBTR ○○○○○-○○○	F38	Twin Bars (Turning)
TWFGL ○○○○	G78	Twin Bars (Face Grooving)
TWFGR ○○○○	G79	Twin Bars (Face Grooving)
V		
VBET ○○○○○(○)M%L-F	B90	Insert (Turning)
VBET ○○○○○(○)M%L-FSF	B89	Insert (Turning)
VBET ○○○○○(○)M%L-Y	B90	Insert (Turning)
VBET ○○○○○(○)%L-FSF	B89	Insert (Turning)
VBGT ○○○○○(○)M%L-F	B90	Insert (Turning)
VBGT ○○○○○(○)M%L-Y	B91	Insert (Turning)
VBGT ○○○○○(○)%L-F	B90	Insert (Turning)
VBGT ○○○○○(○)%L-Y	B91	Insert (Turning)
VBGW ○○○○○MEF	C17	Insert (Turning)
VBGW ○○○○○S○○○○MES	C17	Insert (Turning)
VBGW ○○○○○S○○○○MET	C17	Insert (Turning)
VBGW ○○○○○S○○○○SET	C17	Insert (Turning)
VBGW ○○○○○T○○○○OME	C17	Insert (Turning)
VBGW ○○○○○T○○○○OSE	C17	Insert (Turning)
VBMT ○○○○○○	C28	Insert (Turning)
VBMT ○○○○○GP	B89	Insert (Turning)
VBMT ○○○○○HQ	B89	Insert (Turning)
VBMT ○○○○○ONE	C28	Insert (Turning)
VBMT ○○○○○PP	B89	Insert (Turning)
VBMT ○○○○○SE	C28	Insert (Turning)
VBMT ○○○○○VF	B89	Insert (Turning)
VCET ○○○○○M%L-F	B93	Insert (Turning)
VCET ○○○○○(○)M%L-Y	B93	Insert (Turning)
VCGT ○○○○○AH	B93	Insert (Turning)
VCGT ○○○○○AP	B93	Insert (Turning)
VCGT ○○○○○MFP-GF	B92	Insert (Turning)
VCGT ○○○○○MP-CF	B92	Insert (Turning)
VCGT ○○○○○%L-A3	B93	Insert (Turning)
VCGW ○○○○○S○○○○MET	C17	Insert (Turning)
VCGW ○○○○○S○○○○SET	C17	Insert (Turning)
VCGW ○○○○○T○○○○OME	C17	Insert (Turning)
VCGW ○○○○○T○○○○OSE	C17	Insert (Turning)
VCMT ○○○○○○	C28	Insert (Turning)
VCMT ○○○○○HQ	B92	Insert (Turning)
VCMT ○○○○○ONE	C28	Insert (Turning)
VCMT ○○○○○PP	B92	Insert (Turning)
VCMT ○○○○○SE	C28	Insert (Turning)
VCMT ○○○○○VF	B92	Insert (Turning)
VNBR ○○○○-○○(○)	F31	System Tip-bars (Boring)
VNBR ○○○○-○○(○)NB	C34,F31	System Tip-bars (Boring)
VNBR ○○○○(○○)-○○(○)S	F30	System Tip-bars (Boring)
VNBTR ○○○○-○○(○)	F31	System Tip-bars (Boring)
VNBXR ○○○○(○)-○○(○)S	F34	System Tip-bars (Boring)
VNFGR ○○○○-○○	G76	System Tip-bars (Face Grooving)
VNFGR ○○○○-○○NB	C34,G76	System Tip-bars (Face Grooving)
VNGR ○○○○-○○	G51	System Tip-bars (Grooving)
VNGR ○○○○-○○NB	C34,G51	System Tip-bars (Grooving)
VNGA ○○○○○○	B45	Insert (Turning)
VNGA ○○○○○ME4	C12	Insert (Turning)
VNGA ○○○○○MEF	C12	Insert (Turning)
VNGA ○○○○○S○○○○○	B112	Insert (Turning)
VNGA ○○○○○S○○○○OME	C12	Insert (Turning)
VNGA ○○○○○S○○○○MEH	C12	Insert (Turning)
VNGA ○○○○○S○○○○MEP	C12	Insert (Turning)
VNGA ○○○○○S○○○○MET	C12	Insert (Turning)
VNGA ○○○○○S○○○○SE	C12	Insert (Turning)
VNGA ○○○○○S○○○○SET	C12	Insert (Turning)
VNGA ○○○○○T○○○○○	B112	Insert (Turning)
VNGA ○○○○○T○○○○OME	C12	Insert (Turning)

Insert Grades
Turning Inserts
CNC & PC Tools
External
Small Parts
Boring
Grooving
Cut-off
Threading
Drilling
Solid Tools
Milling
Tools for Milling
Spare Parts
Technical Information
Index

A
B
C
D
E
F
G
H
J
K
L
M
N
P
R
T

Description Index

○ : Figure, □ : Alphabet

Description	Page	Category
VNGG ○○○○○○MFP-SK	B44	Insert (Turning)
VNGG ○○○○○○M-SK	B44	Insert (Turning)
VNGG ○○○○○○%	B45	Insert (Turning)
VNGG ○○○○○○%-S	B45	Insert (Turning)
VNMA ○○○○○○S○○○○○	B112	Insert (Turning)
VNMG ○○○○○○	B44	Insert (Turning)
VNMG ○○○○○○GP	B44	Insert (Turning)
VNMG ○○○○○○HQ	B44	Insert (Turning)
VNMG ○○○○○○KG	B45	Insert (Turning)
VNMG ○○○○○○KH	B45	Insert (Turning)
VNMG ○○○○○○MQ	B45	Insert (Turning)
VNMG ○○○○○○MS	B45	Insert (Turning)
VNMG ○○○○○○MU	B45	Insert (Turning)
VNMG ○○○○○○PP	B44	Insert (Turning)
VNMG ○○○○○○PQ	B44	Insert (Turning)
VNMG ○○○○○○%-VC	B44	Insert (Turning)
VNMG ○○○○○○SG	B45	Insert (Turning)
VNMG ○○○○○○TN-V	B44	Insert (Turning)
VNMG ○○○○○○VF	B44	Insert (Turning)
VNMM ○○○○○○M	C23	Insert (Turning)
VNMM ○○○○○○M-NE	C23	Insert (Turning)
VNMM ○○○○○○M-SE	C23	Insert (Turning)
VNTR ○○○-○○	J34	System Tip-bars (Threading)
VPET ○○○○○○(○)F%-USF	B96	Insert (Turning)
VPET ○○○○○○(○)M%-F	B95	Insert (Turning)
VPET ○○○○○○(○)M%-FSF	B95	Insert (Turning)
VPET ○○○○○○(○)MF%-J	B96	Insert (Turning)
VPET ○○○○○○(○)MF%-U	B96	Insert (Turning)
VPET ○○○○○○(○)MF%-USF	B96	Insert (Turning)
VPET ○○○○○○(○)%-FSF	B95	Insert (Turning)
VPGT ○○○○○○CF	B94	Insert (Turning)
VPGT ○○○○○○CK	B94	Insert (Turning)
VPGT ○○○○○○M-CF	B94	Insert (Turning)
VPGT ○○○○○○M-CK	B94	Insert (Turning)
VPGT ○○○○○○MF-GF	B94	Insert (Turning)
VPGT ○○○○○○MFP-GF	B94	Insert (Turning)
VPGT ○○○○○○MP-CF	B94	Insert (Turning)
VPGT ○○○○○○MP-CK	B94	Insert (Turning)
W		
W-6	G44,G66,P18	Spare Parts (Washer)
W5X13L	M185	Spare Parts (Screw)
W6-14	P18	Spare Parts (Washer)
W6X17	P6	Spare Parts (Screw)
W6X18	M152,M153,P6	Spare Parts (Wedge Screw)
W6X18N	M36,M37,P6	Spare Parts (Wedge Screw)
W6X20	M152,M153,P6	Spare Parts (Wedge Screw)
W8X16	P6	Spare Parts (Screw)
W8X18	M103,P6	Spare Parts (Screw)
W8X21	P6	Spare Parts (Wedge Screw)
W10X31	M111,P6	Spare Parts (Screw)
WB-5	F88,P18	Spare Parts (Washer)
WB-6	F88,P18	Spare Parts (Washer)
WB-8	F88,P18	Spare Parts (Washer)
WBET ○○○○○○(○)M%-F	B97	Insert (Turning)
WBET ○○○○○○M%-P	B98	Insert (Turning)
WBGD ○○○○○○MFP%-PF	B97	Insert (Turning)
WBGD ○○○○○○M%-CF	B97	Insert (Turning)
WBGD ○○○○○○MP%-CF	B97	Insert (Turning)
WBGD ○○○○○○(○)M%-F	B98	Insert (Turning)
WBGD ○○○○○○(○)M%-F	B98	Insert (Turning)
WBGW ○○○○○○L	B98	Insert (Turning)
WBGW ○○○○○○S○○○○○LSET	C18	Insert (Turning)
WBGW ○○○○○○T○○○○○L-SE	C18	Insert (Turning)
WBMT ○○○○○○L	C29	Insert (Turning)
WBMT ○○○○○○L-NE	C29	Insert (Turning)

Description	Page	Category
WBMT ○○○○○○L-SE	C29	Insert (Turning)
WBMT ○○○○○○%-DP	B97	Insert (Turning)
WC- ○○	M152,M153	Spare Parts (Wedge)
WCMT ○○○○○○	K83,K85	Insert (Drilling)
WCS-1N	D17,N14,P14	Spare Parts (Clamp Set)
WCS-8	D22,F80,N15,P14	Spare Parts (Clamp Set)
WDRCO(○)	K25,K26,K27,K30, K31,K32,K33	Spare Parts (Wrench)
WN-1	D17,D22,N14,N15,P19	Spare Parts (Shim Nut)
WNEU ○○○○○○EN-GL	M17	Insert (Milling)
WNGA ○○○○○○MEF	C13	Insert (Turning)
WNGA ○○○○○○S○○○○○ME	C13	Insert (Turning)
WNGA ○○○○○○S○○○○○MET	C13	Insert (Turning)
WNGA ○○○○○○S○○○○○SE	C13	Insert (Turning)
WNGA ○○○○○○S○○○○○SET	C13	Insert (Turning)
WNGA ○○○○○○T○○○○○ME	C13	Insert (Turning)
WNGG ○○○○○○AH	B49	Insert (Turning)
WNGG ○○○○○○TK	B48	Insert (Turning)
WNGG ○○○○○○%	B49	Insert (Turning)
WNGG ○○○○○○%-S	B49	Insert (Turning)
WNGT ○○○○○○FN-AM	M17	Insert (Milling)
WNMA ○○○○○○	B49	Insert (Turning)
WNMG ○○○○○○	B47	Insert (Turning)
WNMG ○○○○○○C	B49	Insert (Turning)
WNMG ○○○○○○CJ	B47	Insert (Turning)
WNMG ○○○○○○CQ	B47	Insert (Turning)
WNMG ○○○○○○GC	B49	Insert (Turning)
WNMG ○○○○○○GP	B46	Insert (Turning)
WNMG ○○○○○○GS	B47	Insert (Turning)
WNMG ○○○○○○GT	B47	Insert (Turning)
WNMG ○○○○○○HQ	B46	Insert (Turning)
WNMG ○○○○○○HS	B47	Insert (Turning)
WNMG ○○○○○○KG	B49	Insert (Turning)
WNMG ○○○○○○KH	B49	Insert (Turning)
WNMG ○○○○○○KQ	B49	Insert (Turning)
WNMG ○○○○○○MQ	B48	Insert (Turning)
WNMG ○○○○○○MS	B48	Insert (Turning)
WNMG ○○○○○○MU	B48	Insert (Turning)
WNMG ○○○○○○PG	B47	Insert (Turning)
WNMG ○○○○○○PH	B48	Insert (Turning)
WNMG ○○○○○○PP	B46	Insert (Turning)
WNMG ○○○○○○PQ	B46	Insert (Turning)
WNMG ○○○○○○PS	B47	Insert (Turning)
WNMG ○○○○○○PT	B47	Insert (Turning)
WNMG ○○○○○○SG	B48	Insert (Turning)
WNMG ○○○○○○TK	B48	Insert (Turning)
WNMG ○○○○○○WE	B46	Insert (Turning)
WNMG ○○○○○○WF	B46	Insert (Turning)
WNMG ○○○○○○WP	B46	Insert (Turning)
WNMG ○○○○○○WQ	B46	Insert (Turning)
WNMG ○○○○○○XP	B48	Insert (Turning)
WNMG ○○○○○○XQ	B48	Insert (Turning)
WNMG ○○○○○○XS	B48	Insert (Turning)
WNMG ○○○○○○ZS	B49	Insert (Turning)
WNMM ○○○○○○M	C23	Insert (Turning)
WNMM ○○○○○○M-NE	C23	Insert (Turning)
WNMM ○○○○○○M-SE	C23	Insert (Turning)
WNMU ○○○○○○EN-GH	M17	Insert (Milling)
WNMU ○○○○○○EN-GM	M17	Insert (Milling)
WNMU ○○○○○○EN-SM	M17	Insert (Milling)
WP-1S	D17,N14,P7	Spare Parts (Shim Pin)
WP5X11	F80,P7	Spare Parts (Shim Pin)
WP5X15	D22,N15,P7	Spare Parts (Shim Pin)
WPGT ○○○○○○M%-Y	B99	Insert (Turning)
WPGT ○○○○○○%-Y	B99	Insert (Turning)
WPGW ○○○○○○	B99	Insert (Turning)

Description	Page	Category
WPMT ○○○○○○	C29	Insert (Turning)
WPMT ○○○○○○GP	B99	Insert (Turning)
WPMT ○○○○○○HQ	B99	Insert (Turning)
WPMT ○○○○○○NE	C29	Insert (Turning)
WPMT ○○○○○○SE	C29	Insert (Turning)
WS-10	D11,G27	Spare Parts (Washer)
WSP-1	D17,N14,P18	Spare Parts (Spacer)
WTENN ○○○○□-○○N	D17	Toolholder (Turning)
WTJN%L ○○○○□-○○N	D17	Toolholder (Turning)
WTKN%L ○○○○□-○○N	D17	Toolholder (Turning)
WTN-33	D17,N14,P12	Spare Parts (Shim)
WTN-33-20	D17,P12	Spare Parts (Shim)
WWLN%L ○○○○□-○○	D22	Toolholder (Turning)
WWN-42	D22,N15,P12	Spare Parts (Shim)
WWP-42	F80,P12	Spare Parts (Shim)
WWP-42-16	F80,P12	Spare Parts (Shim)
Z		
Z1M ○○○-○○○	L24	Solid End Mill
Z1MB ○○○-○○○	L45	Solid End Mill (Ball-nose)
Z1MPCR ○○○-○○○-R○○	L25	Solid End Mill
Z1MPLC ○○○-○○○-R○○	L25	Solid End Mill
Z5MCR ○○○-○○○-R○○	L27	Solid End Mill
ZCMT ○○○○○○	K55	Insert (Drilling)
ZCMT ○○○○○○SP	K55	Insert (Drilling)
ZCMT ○○○○○○SU	K55	Insert (Drilling)
ZH1MCR ○○○-○○○-R○○	L37	Solid End Mill
ZXMT ○○○○○○GH	K70	Insert (Drilling)
ZXMT ○○○○○○GH-E	K70	Insert (Drilling)
ZXMT ○○○○○○GM	K70	Insert (Drilling)
ZXMT ○○○○○○GM-E	K70	Insert (Drilling)
ZXMT ○○○○○○GM-I	K70	Insert (Drilling)
ZXMT ○○○○○○SM	K70	Insert (Drilling)
ZXMT ○○○○○○SM-E	K70	Insert (Drilling)

Insert Grades	A
Turning Indexable Inserts	B
CBN & CVD Tools	C
External	D
Small Parts Machining	E
Boring	F
Grooving	G
Cut-off	H
Threading	J
Drilling	K
Solid Tools	L
Milling	M
Tools for Turning Mill	N
Spare Parts	P
Technical Information	R
Index	T