

Highlight one flute spiral bits



Good for: Acrylic, also it can process PVC, Plastic board, Plywood, Wood board and so on.

Material: MICRO SOLID CARBIDE,

PART NO	CED	CEL	SHK	OVL
G1LX1.0	1.0	1.5	4	50
G1LX1.5	1.5	3.5	4	50
G1LX2.0	2.0	4.5	4	50
G1LX2.5	2.5	5.5	4	50
G1LX3.0	3.0	9	4	50
G1LX4.0	4.0	12	4	50
G2LX4.0*6D	4.0	12	6	50
G1LX6.0	6.0	16	6	50
G1LX622	6.0	22	6	50
G1LX8.0	8.0	22	8	50
G1LX10	10.0	25	10	60
G1LX12	12.0	30	12	75

Highlight double flute spiral bits



Good for: Acrylic, also it can process PVC, Plastic board, Plywood, Wood board and so on.

Material: MICRO SOLID CARBIDE,

PART NO	CED	CEL	SHK	OVL
G2LX0.8	0.8	1.5	4	50
G2LX1.0	1.0	1.5	4	50
G2LX1.5	1.5	3.5	4	50
G2LX2.0	2.0	4.5	4	50
G2LX2.5	2.5	5.5	4	50
G2LX3.0	3.0	9	4	50
G2LX4.0	4.0	12	4	50
G2LX4.0*6D	4.0	12	6	50
G2LX6.0	6.0	16	6	50
G2LX8.0	8.0	22	8	50
G2LX10	10.0	25	10	60
G2LX12	12.0	30	12	75

Highlight V type engraving bits



适合：压克力，POM,铝等，切面光滑

Good for: Acrylic, also it can process PVC, Plastic board, Plywood, Wood board and so on.

Material: SOLID CARBIDE, 硬质合金 (钨钢)

编号	刀尖	角度	柄径	总长
PART NO	CED	2A	SHK	OVL
GV66002	0.2	60	6	50
GV69002	0.2	90	6	50
GV612002	0.2	120	6	50
GV86002	0.2	60	8	50
GV89002	0.2	90	8	50
GV812002	0.2	120	8	50
GV106002	0.2	60	10	50
GV109002	0.2	90	10	50
GV1012002	0.2	120	10	50
GV126002	0.2	60	12	50
GV129002	0.2	90	12	50
GV1212002	0.2	120	12	50

High-precision half straight cutter



Good for: LCD lens, LCD Panel, Acrylic, ABS, Two-color plate cutting and engraving

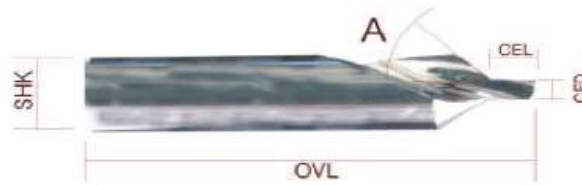
Material: SOLID CARBIDE,

Products must be ordered by adding the Materials Code

Number like A, AA and 3A before Product Code Number.

PART NO	2D	CEL	SHK	OVL
GOZX3.0.801	0.8	1.0	3.175	38
GOZX3.101	1.0	1.0	3.175	38
GOZX3.1.51.5	1.5	1.5	3.175	38
GOZX3.202	2.0	2.0	3.175	38
GOZX4101	1.0	1.0	4	38
GOZX41.51.5	1.5	1.5	4	38
GOZX4202	2.0	2.0	4	38
GOZX42.503	2.5	3.0	4	38
GOZX6203	2.0	3.0	6	40
GOZX6303	3.0	3.0	6	40

One flute spiral cutter with angle



Good for: Acrylic, Wood, MDF, Aluminum, Plastic cutting with chamfering of edge.

Products must be ordered by adding the Materials Code Number

like A, AA and 3A.

PART NO	CED	CEL	A	SHK	OVL
ZH1LX40.8X	0.8	X	45	4	38
ZH1LX41X	1.0	X	45	4	38
ZH1LX415X	1.5	X	45	4	38
ZH1LX42X	2.0	X	45	4	38
ZH1LX61X	1.0	X	45	6	40
ZH1LX615X	1.5	X	45	6	40
ZH1LX62X	2.0	X	45	6	40
ZH1LX625X	2.5	X	45	6	40
ZH1LX63X	3.0	X	45	6	40
ZH1LX82X	2.0	X	45	8	50
ZH1LX83X	3.0	X	45	8	50
ZH1LX84X	4.0	X	45	8	50
ZH1LX103X	3.0	X	45	10	50
ZH1LX104X	4.0	X	45	10	50
ZH1LX105X	5.0	X	45	10	50
ZH1LX106X	6.0	X	45	10	50
ZH1LX1204X	4.0	X	45	12	60
ZH1LX1205X	5.0	X	45	12	60
ZH1LX1206X	6.0	X	45	12	70
ZH1LX1606X	6.0	X	45	16	70
ZH1LX1608X	8.0	X	45	16	70

Two flute spiral cutter with angle



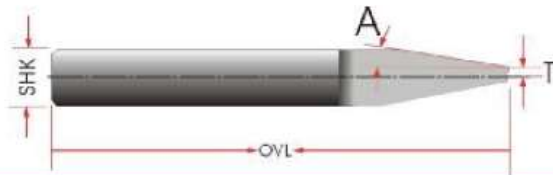
Good for: Acrylic, Wood, MDF, Aluminum, Plastic cutting with chamfering of edge.

Material: SOLID CARBIDE

Products must be ordered by adding the Materials Code Number like A, AA and 3A .

PART NO	CED	CEL	A	SHK	OVL
ZHX40.8X	0.8	X	45	4	38
ZHX41X	1.0	X	45	4	38
ZHX415X	1.5	X	45	4	38
ZHX42X	2.0	X	45	4	38
ZHX61X	1.0	X	45	6	40
ZHX615X	1.5	X	45	6	40
ZHX62X	2.0	X	45	6	40
ZHX625X	2.5	X	45	6	40
ZHX63X	3.0	X	45	6	40
ZHX82X	2.0	X	45	8	50
ZHX83X	3.0	X	45	8	50
ZHX84X	4.0	X	45	8	50
ZHX103X	3.0	X	45	10	50
ZHX104X	4.0	X	45	10	50
ZHX105X	5.0	X	45	10	50
ZHX106X	6.0	X	45	10	50
ZHX1204X	4.0	X	45	12	60
ZHX1205X	5.0	X	45	12	60
ZHX1206X	6.0	X	45	12	70
ZHX1606X	6.0	X	45	16	70
ZHX1608X	8.0	X	45	16	70

Flat bottom engraving bits



Good for: Two-color plate, Acrylic, PVC, Hardwood, MDF.

Material: SOLID CARBIDE,

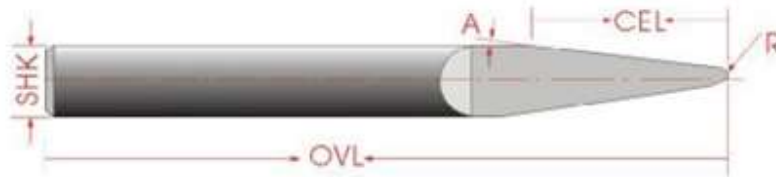
Products must be ordered by adding the Materials Code

Number like N, A, AA and 3A.

PART NO	TIP -2T	2A	SHK	OVL
J3.0502	0.2	5	3.175	38
J3.0802	0.2	8	3.175	38
J3.1001	0.1	10	3.175	38
J3.1002	0.2	10	3.175	38
J3.1003	0.3	10	3.175	38
J3.1501	0.1	15	3.175	38
J3.1502	0.2	15	3.175	38
J3.1503	0.3	15	3.175	38
J3.1505	0.5	15	3.175	38
J3.1508	0.8	15	3.175	38
J3.1510	1.0	15	3.175	38
J3.2001	0.1	20	3.175	38
J3.2002	0.2	20	3.175	38
J3.2003	0.3	20	3.175	38
J3.2004	0.4	20	3.175	38
J3.2005	0.5	20	3.175	38
J3.2008	0.8	20	3.175	38
J3.2010	1.0	20	3.175	38
J3.2501	0.1	25	3.175	38
J3.2502	0.2	25	3.175	38
J3.2503	0.3	25	3.175	38
J3.2504	0.4	25	3.175	38
J3.2505	0.5	25	3.175	38
J3.3001	0.1	30	3.175	38
J3.3002	0.2	30	3.175	38
J3.3003	0.3	30	3.175	38
J3.3004	0.4	30	3.175	38
J3.3005	0.5	30	3.175	38
J3.3006	0.6	30	3.175	38
J3.3008	0.8	30	3.175	38
J3.3010	1.0	30	3.175	38
J3.3012	1.2	30	3.175	38
J3.3015	1.5	30	3.175	38
J3.3020	2.0	30	3.175	38
J3.4001	0.1	40	3.175	38
J3.4002	0.2	40	3.175	38

J3.4003	0.3	40	3.175	38
J3.4501	0.1	45	3.175	38
J3.4502	0.2	45	3.175	38
J3.4503	0.3	45	3.175	38
J3.4505	0.5	45	3.175	38
J3.6001	0.1	60	3.175	38
J3.6002	0.2	60	3.175	38
J3.6003	0.3	60	3.175	38
J3.6005	0.5	60	3.175	38
J3.9001	0.1	90	3.175	38
J3.9002	0.2	90	3.175	38
J3.9003	0.3	90	3.175	38
J42001	0.1	20	4	40
J42002	0.2	20	4	40
J42003	0.3	20	4	40
J42501	0.1	25	4	40
J42502	0.2	25	4	40
J42503	0.3	25	4	40
J42504	0.4	25	4	40
J43001	0.1	30	4	40
J43002	0.2	30	4	40
J43003	0.3	30	4	40
J43004	0.4	30	4	40
J44502	0.2	45	4	40
J44503	0.3	45	4	40
J62002	0.2	20	6	40
J62502	0.2	25	6	40
J63002	0.2	30	6	40
J63003	0.3	30	6	40
J63005	0.5	30	6	40
J63008	0.8	30	6	40
J63010	1.0	30	6	40
J64502	0.2	45	6	40
J64505	0.5	45	6	40
J64508	0.8	45	6	40
J66002	0.2	60	6	40
J66005	0.5	60	6	40
J66010	1.0	60	6	40
J66015	1.5	60	6	40
J66020	2.0	60	6	40
J69002	0.2	90	6	40
J69005	0.5	90	6	40
J612002	0.2	120	6	40
J615002	0.2	150	6	40

Radiused bottom engraving bits



Good for: Fine three-dimensional relief on Acrylic, PVC, MDF, Hardwood, Aluminum, Metal and so on.

Material: SOLID CARBIDE,

Products must be ordered by adding the Materials Code

Number like N, A, AA and 3A .

PART NO	2R	CEL	2A	SHK	OVL
YDJ3.1004	0.4	16	10	3.175	38
YDJ3.1006	0.6	14.5	10	3.175	38
YDJ3.1008	0.8	13.5	10	3.175	38
YDJ3.1010	1.0	12.5	10	3.175	38
YDJ3.1015	1.5	9.5	10	3.175	38
YDJ3.1505	0.5	9.4	15	3.175	38
YDJ3.1510	1.0	8.3	15	3.175	38
YDJ3.2010	1.0	6.2	20	3.175	38
YDJ41505	0.5	13.2	15	4	40
YDJ41510	1.0	11.2	15	4	40
YDJ41515	1.5	9	15	4	40
YDJ41520	2.0	7	15	4	40
YDJ42005	0.5	10	20	4	40
YDJ42010	1.0	8.5	20	4	40
YDJ42015	1.5	7.5	20	4	40
YDJ42505	0.5	7.0	25	4	40
YDJ42510	1.0	6.0	25	4	40
YDJ61505	0.5	20.5	15	6	50
YDJ61508	0.8	19.7	15	6	50
YDJ61510	1.0	18.9	15	6	50
YDJ61515	1.5	17	15	6	45
YDJ61520	2.0	15	15	6	45
YDJ62006	0.6	15	20	6	45
YDJ62008	0.8	14.5	20	6	45
YDJ62010	1.0	14	20	6	45
YDJ62504	0.4	12.5	25	6	45
YDJ62506	0.6	12	25	6	45
YDJ62508	0.8	11.7	25	6	45
YDJ62510	1.0	11	25	6	45
YDJ63004	0.4	10.4	30	6	45
YDJ63006	0.6	10	30	6	45
YDJ63008	0.8	9.7	30	6	45
YDJ63010	1.0	9.3	30	6	45

Double flutes spirial ball bits



Good for: Acrylic, PVC, MDF, Hard wood, Aluminum alloy, iron, stainless steel and so on.

Material: SOLID CARBIDE

Products must be ordered by adding the Materials Code Number

like N, A, AA and 3A .

PART NO	CED	CEL	SHK	OVL
2QX3.0.803	0.8	3	3.175	38
2QX3.104	1.0	4	3.175	38
2QX3.105	1.0	5	3.175	38
2QX3.1.204	1.2	4	3.175	38
2QX3.1.206	1.2	6	3.175	38
2QX3.1.210	1.2	10	3.175	38
2QX3.1.505	1.5	5	3.175	38
2QX3.1.507	1.5	7	3.175	38
2QX3.1.512	1.5	12	3.175	38
2QX3.206	2.0	6	3.175	38
2QX3.208	2.0	8	3.175	38
2QX3.212	2.0	12	3.175	38
2QX3.215	2.0	15	3.175	38
2QX3.217	2.0	17	3.175	45
2QX3.222	2.0	22	3.175	50
2QX3.2.508	2.5	8	3.175	38
2QX3.2.510	2.5	10	3.175	38
2QX3.2.512	2.5	12	3.175	38
2QX3.2.517	2.5	17	3.175	45
2QX3.2.522	2.5	22	3.175	50
2QX3.06	3.175	6	3.175	38
2QX3.08	3.175	8	3.175	38
2QX3.12	3.175	12	3.175	38
2QX3.15	3.175	15	3.175	38
2QX3.17	3.175	17	3.175	38
2QX3.20	3.175	20	3.175	45
2QX3.22	3.175	22	3.175	45
2QX3.25	3.175	25	3.175	50
2QX3.28	3.175	28	3.175	55
2QX3.32	3.175	32	3.175	60
2QX3.42	3.175	42	3.175	70
2QX3.52	3.175	52	3.175	80
2QX412	4	12	4	40
2QX417	4	17	4	40
2QX422	4	22	4	50
2QX425	4	25	4	50
2QX428	4	28	4	55
2QX432	4	32	4	60
2QX442	4	42	4	70

2QX452	4	52	4	80
2QX517	5	17	5	50
2QX522	5	22	5	50
2QX6312	3.0	12	6	50
2QX6317	3.0	17	6	50
2QX6417	4.0	17	6	50
2QX6422	4.0	22	6	50
2QX6522	5.0	22	6	50
2QX612	6	12	6	50
2QX617	6	17	6	50
2QX622	6	22	6	50
2QX625	6	25	6	55
2QX628	6	28	6	55
2QX632	6	32	6	60
2QX642	6	42	6	80
2QX652	6	52	6	90
2QX672	6	72	6	110
2QX6.17	6.35	17	6.35	50
2QX6.22	6.35	22	6.35	50
2QX6.25	6.35	25	6.35	55
2QX6.32	6.35	32	6.35	70
2QX825	8	25	8	60
2QX835	8	35	8	80
2QX845	8	45	8	90
2QXI025	10	25	10	60
2QXI035	10	35	10	80
2QXI045	10	45	10	90
2QXI235	12	35	12	80
2QXI245	12	45	12	90
2QXI255	12	55	12	100
2QXI275	12	75	12	120
2QXI2100	12	100	12	150
2QXI2.35	12.7	35	12.7	80
2QXI2.45	12.7	45	12.7	90
2QXI2.55	12.7	55	12.7	100
2QXI2.75	12.7	75	12.7	120
2QXI2.100	12.7	100	12.7	150
2QXI645	16	45	16	110
2QXI655	16	55	16	130
2QXI675	16	75	16	150
2QXI6100	16	100	16	180
2QX2075	20	75	20	150
2QX20100	20	100	20	180

Two large flutes spiral ball nose



Good for: MDF, Multilayer board, Plywood and so on.

Material: SOLID CARBIDE.

Products must be ordered by adding the Materials Code Number like N,A, AA and 3A .

PART NO	CED	CEL	SHK	OVL
M2QX3.12	3.175	12	3.175	38
M2QX3.17	3.175	17	3.175	38
M2QX3.22	3.175	22	3.175	45
M2QX412	4	12	4	40
M2QX417	4	17	4	40
M2QX422	4	22	4	45
M2QX425	4	25	4	50
M2QX617	6	17	6	45
M2QX622	6	22	6	50
M2QX625	6	25	6	55
M2QX6.17	6	17	6.35	50
M2QX6.22	6	22	6.35	50
M2QX6.25	6	25	6.35	55
M2QX825	8	25	8	60
M2QX835	8	35	8	80
M2QX845	8	45	8	90
M2QX855	8	55	8	100
M2QX1035	10	35	10	80
M2QX1045	10	45	10	90
M2QX1055	10	55	10	100
M2QX1235	12	30	12	80
M2QX1245	12	45	12	90
M2QX1255	12	55	12	100
M2QX12.35	12	30	12.7	80
M2QX12.45	12	45	12.7	90
M2QX12.55	12	55	12.7	100

Double straight flutes ball bits



Good for: MDF, Multilayer board, Plywood and so on.

Material: SOLID CARBIDE

Products must be ordered by adding the Materials Code Number
like N,A, AA and 3A .

PART NO	2R	CEL	SHK	OVL
2ZQX3.103	1.0	3	3.175	38
2ZQX3.1.204	1.2	4	3.175	38
2ZQX3.1.505	1.5	5	3.175	38
2ZQX3.208	2.0	8	3.175	38
2ZQX3.10	3.175	10	3.175	38
2ZQX3.12	3.175	12	3.175	38
2ZQX3.17	3.175	17	3.175	38
2ZQX3.22	3.175	22	3.175	45
2ZQX412	4	12	4	40
2ZQX417	4	17	4	40
2ZQX422	4	22	4	45
2ZQX425	4	25	4	50
2ZQX612	6	12	6	45
2ZQX617	6	17	6	45
2ZQX622	6	22	6	50
2ZQX625	6	25	6	55
2ZQX825	8	25	8	60
2ZQX835	8	35	8	80
2ZQX845	8	45	8	90
2ZQX855	8	55	8	100
2ZQX865	8	65	8	110
2ZQX875	8	75	8	120
2ZQX8100	8	100	8	150
2ZQX1025	10	25	10	60
2ZQX1035	10	35	10	80
2ZQX1045	10	45	10	90
2ZQX1055	10	55	10	100
2ZQX1065	10	65	10	110
2ZQX1075	10	75	10	120
2ZQX10100	10	100	10	150
2ZQX1235	12	35	12	80
2ZQX1245	12	45	12	90
2ZQX1255	12	55	12	100
2ZQX1265	12	65	12	110
2ZQX1275	12	75	12	120
2ZQX12100	12	100	12	150

One flutes spiral ball bits



Good for: Acrylic, PVC, MDF.

Material: SOLID CARBIDE,

Products must be ordered by adding the Materials Code

Number like N,A, AA and 3A .

PART NO	CED	CEL	SHK	OVL
ILQX3.208	2.0	8	3.175	38
ILQX3.212	2.0	12	3.175	38
ILQX3.12	3.175	12	3.175	38
ILQX3.15	3.175	15	3.175	38
ILQX3.17	3.175	17	3.175	38
ILQX3.22	3.175	22	3.175	45
ILQX3.25	3.175	25	3.175	50
ILQX3.32	3.175	32	3.175	60
ILQX3.42	3.175	42	3.175	70
ILQX412	4	12	4	40
ILQX415	4	15	4	40
ILQX417	4	17	4	40
ILQX422	4	22	4	45
ILQX425	4	25	4	50
ILQX428	4	28	4	55
ILQX432	4	32	4	60
ILQX442	4	42	4	70
ILQX452	4	52	4	80
ILQX517	5	17	5	50
ILQX522	5	22	5	50
ILQX525	5	25	5	55
ILQX617	6	17	6	50
ILQX622	6	22	6	50
ILQX625	6	25	6	55
ILQX628	6	28	6	58
ILQX632	6	32	6	60
ILQX642	6	42	6	80
ILQX652	6	52	6	90
ILQX672	6	72	6	110
ILQX6.22	6.35	22	6.35	50
ILQX6.25	6.35	25	6.35	55
ILQX6.32	6.35	32	6.35	60

Half straight bits



Good for: Two-color plate, ABS, Acrylic cutting and engraving

Material: SOLID CARBIDE,

Products must be ordered by adding the Materials Code

Number like N ,A, AA and 3A.

PART NO	CED	CEL	SHK	OVL
OZX3.0.801	0.8	1.5	3.175	38
OZX3.1.02	1.0	2	3.175	38
OZX3.1.203	1.2	3	3.175	38
OZX3.1.204	1.2	4	3.175	38
OZX3.1.206	1.2	6	3.175	38
OZX3.1.503	1.5	3	3.175	38
OZX3.1.504	1.5	4	3.175	38
OZX3.1.505	1.5	5	3.175	38
OZX3.1.508	1.5	8	3.175	38
OZX3.1.510	1.5	10	3.175	38
OZX3.2.04	2.0	4	3.175	38
OZX3.2.05	2.0	5	3.175	38
OZX3.2.06	2.0	6	3.175	38
OZX3.2.08	2.0	8	3.175	38
OZX3.2.10	2.0	10	3.175	38
OZX3.2.12	2.0	12	3.175	38
OZX3.2.504	2.5	4	3.175	38
OZX3.2.505	2.5	5	3.175	38
OZX3.2.506	2.5	6	3.175	38
OZX3.2.508	2.5	8	3.175	38
OZX3.2.510	2.5	10	3.175	38
OZX3.2.512	2.5	12	3.175	38
OZX3.06	3.0	6	3.175	38
OZX3.08	3.0	8	3.175	38
OZX3.10	3.0	10	3.175	38
OZX3.12	3.0	12	3.175	38
OZX3.15	3.0	15	3.175	38
OZX3.17	3.0	17	3.175	38
OZX4.05	4.0	5	4	40
OZX4.08	4.0	8	4	40
OZX4.10	4.0	10	4	40
OZX4.12	4.0	12	4	40
OZX4.15	4.0	15	4	40
OZX6.10	6.0	10	6	40
OZX6.12	6.0	12	6	40
OZX6.15	6.0	15	6	40
OZX6.17	6.0	17	6	40

One flutes spiral bits



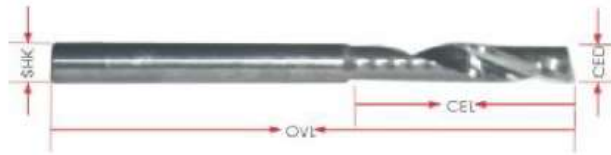
Good for: Acrylic, MDF,PVC, Lotus board,Plastic,Wood,Composite board and so on.

Material: SOLID CARBIDE,

PART NO	CED	CEL	SHK	OVL
HLX3.0.802	0.8	2	3.175	38
HLX3.103	1.0	3	3.175	38
HLX3.104	1.0	4	3.175	38
HLX3.1.504	1.5	4	3.175	38
HLX3.1.506	1.5	6	3.175	38
HLX3.1.508	1.5	8	3.175	38
HLX3.1.510	1.5	10	3.175	38
HLX3.1.512	1.5	12	3.175	38
HLX3.205	2.0	5	3.175	38
HLX3.208	2.0	8	3.175	38
HLX3.210	2.0	10	3.175	38
HLX3.212	2.0	12	3.175	38
HLX3.215	2.0	15	3.175	38
HLX3.217	2.0	17	3.175	45
HLX3.222	2.0	22	3.175	50
HLX3.2.508	2.5	8	3.175	38
HLX3.2.510	2.5	10	3.175	38
HLX3.2.512	2.5	12	3.175	38
HLX3.2.515	2.5	15	3.175	38
HLX3.2.517	2.5	17	3.175	45
HLX3.2.522	2.5	22	3.175	50
HLX3.06	3.175	6	3.175	38
HLX3.08	3.175	8	3.175	38
HLX3.10	3.175	10	3.175	38
HLX3.12	3.175	12	3.175	38
HLX3.15	3.175	15	3.175	38
HLX3.17	3.175	17	3.175	38
HLX3.20	3.175	20	3.175	45
HLX3.22	3.175	22	3.175	45
HLX3.25	3.175	25	3.175	50
HLX3.28	3.175	28	3.175	55
HLX3.32	3.175	32	3.175	60
HLX3.42	3.175	42	3.175	70
HLX3.52	3.175	52	3.175	80
HLX412	4	12	4	40
HLX415	4	15	4	40
HLX417	4	17	4	40
HLX422	4	22	4	45

ILX425	4	25	4	50
ILX428	4	28	4	55
ILX432	4	32	4	60
ILX442	4	42	4	70
ILX452	4	52	4	80
ILX517	5	17	5	45
ILX522	5	22	5	50
ILX525	5	25	5	50
ILX528	5	28	5	55
ILX532	5	32	5	60
ILX612	6	12	6	45
ILX615	6	15	6	45
ILX617	6	17	6	45
ILX622	6	22	6	50
ILX625	6	25	6	55
ILX628	6	28	6	55
ILX632	6	32	6	60
ILX635	6	35	6	65
ILX642	6	42	6	80
ILX652	6	52	6	90
ILX672	6	72	6	110
ILX6208	2.0	8	6	45
ILX6312	3.0	12	6	45
ILX6417	4.0	17	6	50
ILX6522	5.0	22	6	50
ILX6.17	6.35	17	6.35	45
ILX6.22	6.35	22	6.35	50
ILX6.25	6.35	25	6.35	55
ILX825	8	25	8	60
ILX835	8	35	8	70
ILX845	8	45	8	90
ILX855	8	55	8	100
ILX1025	10	25	10	60
ILX1035	10	35	10	80
ILX1045	10	45	10	90
ILX1055	10	55	10	100
ILX1075	10	75	10	120
ILX1235	12	35	12	80
ILX1245	12	45	12	90
ILX1255	12	55	12	100
ILX1275	12	75	12	120
ILX12.35	12.7	35	12.7	80
ILX12.45	12.7	45	12.7	90
ILX12.55	12.7	55	12.7	100
ILX12.75	12.7	75	12.7	130
ILX1645	16	45	16	100
ILX1655	16	55	16	120
ILX1665	16	65	16	140
ILX1675	16	75	16	150
ILX2075	20	75	20	150

One flutes sprial bits for acrylic



Good for: special for Acrylic, High surface finish, undergraduate degree scraping.

Material: SOLID CARBIDE,

Products must be ordered by adding the Materials Code

Number like A, AA and 3A .

PART NO	CED	CEL	SHK	OVL
YILX3.0.803	0.8	3	3.175	40
YILX3.103	1.0	3	3.175	40
YILX3.104	1.0	4	3.175	40
YILX3.105	1.0	5	3.175	40
YILX3.1.504	1.5	4	3.175	40
YILX3.1.506	1.5	6	3.175	40
YILX3.1.508	1.5	8	3.175	40
YILX3.1.510	1.5	10	3.175	40
YILX3.1.512	1.5	12	3.175	40
YILX3.205	2.0	5	3.175	40
YILX3.208	2.0	8	3.175	40
YILX3.210	2.0	10	3.175	40
YILX3.212	2.0	12	3.175	40
YILX3.215	2.0	15	3.175	40
YILX3.217	2.0	17	3.175	45
YILX3.222	2.0	22	3.175	50
YILX3.2.508	2.5	8	3.175	40
YILX3.2.510	2.5	10	3.175	40
YILX3.2.512	2.5	12	3.175	40
YILX3.2.515	2.5	15	3.175	40
YILX3.2.517	2.5	17	3.175	45
YILX3.2.522	2.5	22	3.175	50
YILX3.06	3.175	6	3.175	40
YILX3.08	3.175	8	3.175	40
YILX3.10	3.175	10	3.175	40
YILX3.12	3.175	12	3.175	40
YILX3.15	3.175	15	3.175	40
YILX3.17	3.175	17	3.175	40
YILX3.20	3.175	20	3.175	45
YILX3.22	3.175	22	3.175	50
YILX3.25	3.175	25	3.175	50
YILX3.28	3.175	28	3.175	55
YILX3.32	3.175	32	3.175	60
YILX3.42	3.175	42	3.175	70
YILX3.52	3.175	52	3.175	80
YILX412	4	12	4	40
YILX415	4	15	4	40
YILX417	4	17	4	45
YILX422	4	22	4	50

Y1LX425	4	25	4	50
Y1LX428	4	28	4	55
Y1LX432	4	32	4	60
Y1LX442	4	42	4	70
Y1LX452	4	52	4	80
Y1LX512	5	12	5	50
Y1LX517	5	17	5	50
Y1LX522	5	22	5	50
Y1LX525	5	25	5	55
Y1LX612	6	12	6	45
Y1LX615	6	15	6	45
Y1LX617	6	17	6	50
Y1LX622	6	22	6	50
Y1LX625	6	25	6	50
Y1LX628	6	28	6	55
Y1LX632	6	32	6	60
Y1LX642	6	42	6	80
Y1LX652	6	52	6	90
Y1LX672	6	72	6	110
Y1LX6208	2.0	8	6	50
Y1LX6210	2.0	10	6	50
Y1LX6212	2.0	12	6	50
Y1LX6312	3.0	12	6	50
Y1LX6317	3.0	17	6	50
Y1LX6322	3.0	22	6	50
Y1LX6417	4.0	17	6	50
Y1LX6422	4.0	22	6	50
Y1LX6517	5.0	17	6	50
Y1LX6522	5.0	22	6	50
Y1LX6.17	6.35	17	6	50
Y1LX6.22	6.35	22	6	50
Y1LX6.25	6.35	25	6	55
Y1LX6.32	6.35	32	6	60
Y1LX825	8	25	8	60
Y1LX828	8	28	8	60
Y1LX835	8	35	8	80
Y1LX845	8	45	8	90
Y1LX855	8	55	8	100
Y1LX1025	10	25	10	60
Y1LX1035	10	35	10	80
Y1LX1045	10	45	10	90
Y1LX1055	10	55	10	100
Y1LX1225	12	25	12	70
Y1LX1235	12	35	12	80
Y1LX1245	12	45	12	90
Y1LX1255	12	55	12	100
Y1LX1645	16	45	16	100
Y1LX1655	16	55	16	120
Y1LX1665	16	65	16	140
Y1LX1675	16	75	16	150

One flutes spirial bits for solid wood



Good for: Solid wood, MDF, Multilayer board and so on.

Material: SOLID CARBIDE,

Products must be ordered by adding the Materials Code

Number like A, AA and 3A.

PART NO	CED	CEL	SHK	OVL
MILX3.08	3.175	8	3.175	40
MILX3.10	3.175	10	3.175	40
MILX3.12	3.175	12	3.175	40
MILX3.15	3.175	15	3.175	40
MILX3.17	3.175	17	3.175	40
MILX3.22	3.175	22	3.175	45
MILX412	4	12	4	45
MILX415	4	15	4	45
MILX417	4	17	4	45
MILX422	4	22	4	50
MILX425	4	25	4	50
MILX428	4	28	4	55
MILX432	4	32	4	60
MILX517	5	17	5	45
MILX522	5	22	5	50
MILX525	5	25	5	50
MILX617	6	17	6	50
MILX622	6	22	6	50
MILX625	6	25	6	50
MILX628	6	28	6	55
MILX632	6	32	6	60
MILX635	6	35	6	65
MILX642	6	42	6	80
MILX652	6	52	6	90
MILX6.17	6.35	17	6.35	50
MILX6.22	6.35	22	6.35	50
MILX6.25	6.35	25	6.35	55
MILX6.35	6.35	35	6.35	70
MILX825	8	25	8	60
MILX835	8	35	8	80
MILX845	8	45	8	90
MILX1025	10	25	10	60
MILX1035	10	35	10	80
MILX1045	10	45	10	90
MILX12.35	12.7	35	12.7	80
MILX12.45	12.7	45	12.7	90
MILX12.55	12.7	55	12.7	100
MILX1675	16	75	16	150
MILX2075	20	75	20	150

One flutes large spiral bits



Good for: Low or Middle MDF, PVC, Acrylic and so on.

Products must be ordered by adding the Materials Code

Number like N, A, AA and 3A.

PART NO	CED	CEL	SHK	OVL
PILX3.08	3.175	8	3.175	40
PILX3.10	3.175	10	3.175	40
PILX3.12	3.175	12	3.175	40
PILX3.15	3.175	15	3.175	40
PILX3.17	3.175	17	3.175	40
PILX3.22	3.175	22	3.175	45
PILX412	4	12	4	45
PILX415	4	15	4	45
PILX417	4	17	4	45
PILX422	4	22	4	50
PILX425	4	25	4	50
PILX428	4	28	4	55
PILX432	4	32	4	60
PILX517	5	17	5	50
PILX522	5	22	5	50
PILX525	5	25	5	50
PILX617	6	17	6	50
PILX622	6	22	6	50
PILX625	6	25	6	55
PILX628	6	28	6	55
PILX632	6	32	6	65
PILX642	6	42	6	80
PILX652	6	52	6	90
PILX6.17	6.35	17	6.35	50
PILX6.22	6.35	22	6.35	50
PILX6.25	6.35	25	6.35	55
PILX6.35	6.35	35	6.35	70
PILX825	8	25	8	60
PILX835	8	35	8	80
PILX845	8	45	8	90
PILX1025	10	25	10	70
PILX1035	10	35	10	80
PILX1045	10	45	10	90
PILX12.35	12.7	35	12.7	80
PILX12.45	12.7	45	12.7	90
PILX12.55	12.7	55	12.7	100
PILX1675	16	75	16	150
PILX2075	20	75	20	150

Down cut one flute spiral bits



Good for: MDF, Plywood, Soft wood, PVC and so on.

Material: SOLID CARBIDE,

Products must be ordered by adding the Materials Code

Number like A, AA and 3A .

PART NO	CED	CEL	SHK	OVL
1LXD3.102	1.0	2	3.175	40
1LXD3.103	1.0	3	3.175	40
1LXD3.1.503	1.5	3	3.175	40
1LXD3.204	2.0	4	3.175	40
1LXD3.206	2.0	6	3.175	40
1LXD3.208	2.0	8	3.175	40
1LXD3.06	3.175	6	3.175	40
1LXD3.08	3.175	8	3.175	40
1LXD3.10	3.175	10	3.175	40
1LXD3.12	3.175	12	3.175	40
1LXD3.15	3.175	15	3.175	40
1LXD3.17	3.175	17	3.175	45
1LXD3.22	3.175	22	3.175	50
1LXD408	4	8	4	45
1LXD412	4	12	4	45
1LXD417	4	17	4	50
1LXD422	4	22	4	50
1LXD512	5	12	5	50
1LXD517	5	17	5	50
1LXD522	5	22	5	50
1LXD612	6	12	6	50
1LXD617	6	17	6	50
1LXD622	6	22	6	55
1LXD6312	3.0	12	6	50
1LXD6317	3.0	17	6	50
1LXD6412	4.0	12	6	50
1LXD6417	4.0	17	6	50
1LXD6522	5.0	22	6	55
1LXD820	8	20	8	75
1LXD825	8	25	8	80
1LXD835	8	35	8	90
1LXD1025	10	25	10	80
1LXD1035	10	35	10	90
1LXD1045	10	45	10	100
1LXD1235	12	35	12	90
1LXD1245	12	45	12	100
1LXD1255	12	55	12	110

One flute long spiral bits



Good for: Foam board, Low MDF and so on.				
Material: SOLID CARBIDE,				
Products must be ordered by adding the Materials Code				
Number like N, A, AA and 3A .				
PART NO	CED	CEL	SHK	OVL
C1LX3.17	3.175	17	3.175	50
C1LX3.22	3.175	22	3.175	50
C1LX417	4	17	4	50
C1LX422	4	22	4	50
C1LX622	6	22	6	55
C1LX632	6	32	6	70

One flute long spiral bits



Good for: Solid wood,Hard wood,Composite board and so on.				
Material: SOLID CARBIDE,				
Products must be ordered by adding the Materials Code				
Number like N, A, AA and 3A.				
PART NO	CED	CEL	SHK	OVL
C2LX612	6	12	6	50
C2LX617	6	17	6	50
C2LX622	6	22	6	50
C2LX632	6	32	6	60
C2LX820	8	20	8	60
C2LX825	8	25	8	60
C2LX1025	10	25	10	70
C2LX1035	10	35	10	75
C2LX12.35	12.7	35	12.7	85
C2LX1645	16	45	16	100
C2LX2045	20	45	20	100

double flute spiral bits



Good for: Acrylic, PVC, MDF.

Material: SOLID CARBIDE,

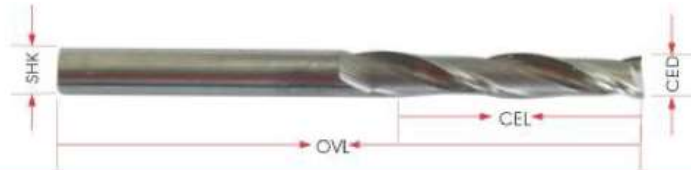
Products must be ordered by adding the Materials Code

Number like N, A, AA and 3A.

PART NO	CED	CEL	SHK	OVL
2LX3.0.803	0.8	3	3.175	38
2LX3.104	1.0	4	3.175	38
2LX3.105	1.0	5	3.175	38
2LX3.106	1.0	6	3.175	38
2LX3.1.204	1.2	4	3.175	38
2LX3.1.206	1.2	6	3.175	38
2LX3.1.506	1.5	6	3.175	38
2LX3.1.508	1.5	8	3.175	38
2LX3.1.510	1.5	10	3.175	38
2LX3.1.512	1.5	12	3.175	38
2LX3.206	2.0	6	3.175	38
2LX3.208	2.0	8	3.175	38
2LX3.212	2.0	12	3.175	38
2LX3.215	2.0	15	3.175	38
2LX3.217	2.0	17	3.175	45
2LX3.222	2.0	22	3.175	50
2LX3.2.508	2.5	8	3.175	38
2LX3.2.510	2.5	10	3.175	38
2LX3.2.512	2.5	12	3.175	38
2LX3.2.515	2.5	15	3.175	38
2LX3.2.517	2.5	17	3.175	45
2LX3.2.522	2.5	22	3.175	50
2LX3.06	3.175	6	3.175	38
2LX3.08	3.175	8	3.175	38
2LX3.10	3.175	10	3.175	38
2LX3.12	3.175	12	3.175	38
2LX3.15	3.175	15	3.175	38
2LX3.17	3.175	17	3.175	38
2LX3.20	3.175	20	3.175	45
2LX3.22	3.175	22	3.175	45
2LX3.25	3.175	25	3.175	50
2LX3.28	3.175	28	3.175	50
2LX3.32	3.175	32	3.175	60
2LX3.42	3.175	42	3.175	70
2LX3.52	3.175	52	3.175	80
2LX412	4	12	4	40

2LX415	4	15	4	40
2LX417	4	17	4	40
2LX422	4	22	4	45
2LX425	4	25	4	50
2LX428	4	28	4	55
2LX432	4	32	4	60
2LX442	4	42	4	70
2LX452	4	52	4	80
2LX517	5	17	5	50
2LX522	5	22	5	50
2LX525	5	25	5	55
2LX6312	3.0	12	6	45
2LX6317	3.0	17	6	50
2LX6417	4.0	17	6	50
2LX6422	4.0	22	6	50
2LX6522	5.0	22	6	50
2LX612	6	12	6	45
2LX617	6	17	6	50
2LX622	6	22	6	50
2LX625	6	25	6	55
2LX628	6	28	6	55
2LX632	6	32	6	60
2LX642	6	42	6	80
2LX652	6	52	6	90
2LX672	6	72	6	110
2LX6.17	6.35	17	6.35	50
2LX6.22	6.35	22	6.35	50
2LX6.25	6.35	25	6.35	55
2LX6.35	6.35	35	6.35	65
2LX825	8	25	8	60
2LX835	8	35	8	75
2LX845	8	45	8	90
2LX855	8	55	8	100
2LX865	8	65	8	110
2LX875	8	75	8	120
2LX1025	10	25	10	60
2LX1035	10	35	10	80
2LX1045	10	45	10	90
2LX1055	10	55	10	100
2LX1235	12	35	12	80
2LX1245	12	40	12	90
2LX1255	12	55	12	100
2LX1265	12	65	12	110
2LX1275	12	75	12	120
2LX12.45	12.7	45	12.7	90
2LX12.55	12.7	55	12.7	100

Double large flute spiral bits for MDF



Good for: Low or Middle MDF, PVC, Acrylic and so on.

Material: SOLID CARBIDE,

Products must be ordered by adding the Materials Code

Number like N, A, A, AA and 3A .

PART NO	CED	CEL	SHK	OVL
M2LX3.12	3.175	12	3.175	38
M2LX3.15	3.175	15	3.175	38
M2LX3.17	3.175	17	3.175	38
M2LX3.22	3.175	22	3.175	45
M2LX4.12	4	12	4	40
M2LX4.15	4	15	4	40
M2LX4.17	4	17	4	40
M2LX4.22	4	22	4	45
M2LX4.25	4	25	4	50
M2LX4.28	4	28	4	50
M2LX4.32	4	32	4	60
M2LX4.42	4	42	4	70
M2LX4.52	4	52	4	80
M2LX5.17	5	17	5	45
M2LX5.22	5	22	5	50
M2LX6.17	6	17	6	45
M2LX6.22	6	22	6	50
M2LX6.25	6	25	6	55
M2LX6.28	6	28	6	55
M2LX6.32	6	32	6	60
M2LX6.35	6	35	6	70
M2LX6.42	6	42	6	80
M2LX6.52	6	52	6	90
M2LX6.72	6	72	6	110
M2LX6.22	6.35	22	6.35	50
M2LX8.25	8	25	8	60
M2LX8.35	8	32	8	75
M2LX8.45	8	45	8	90
M2LX10.25	10	25	10	70
M2LX10.35	10	35	10	80
M2LX10.45	10	45	10	90
M2LX12.35	12.7	35	12.7	80
M2LX12.45	12.7	45	12.7	90
M2LX12.55	12.7	55	12.7	100
M2LX16.45	16	45	16	100
M2LX16.55	16	55	16	110
M2LX20.75	20	75	20	150

double flute spiral without lagament bits



Good for: Acrylic, PVC, MDF.

Material: SOLID CARBIDE,

Products must be ordered by adding the Materials

Code Number like N, A, AA and 3A .

PART NO	CED	CEL	SHK	OVL
Y2LX3.1.506	1.5	6	3.175	38
Y2LX3.208	2.0	8	3.175	38
Y2LX3.212	2.0	12	3.175	38
Y2LX3.08	3.175	8	3.175	38
Y2LX3.10	3.175	10	3.175	38
Y2LX3.12	3.175	12	3.175	38
Y2LX3.15	3.175	15	3.175	38
Y2LX3.17	3.175	17	3.175	38
Y2LX3.20	3.175	20	3.175	45
Y2LX3.22	3.175	22	3.175	45
Y2LX3.25	3.175	25	3.175	50
Y2LX3.28	3.175	28	3.175	50
Y2LX3.32	3.175	32	3.175	60
Y2LX3.42	3.175	42	3.175	70
Y2LX412	4	12	4	40
Y2LX417	4	17	4	40
Y2LX422	4	22	4	45
Y2LX425	4	25	4	50
Y2LX428	4	28	4	55
Y2LX432	4	32	4	60
Y2LX442	4	42	4	70
Y2LX452	4	52	4	80
Y2LX617	6	17	6	50
Y2LX622	6	22	6	50
Y2LX625	6	25	6	55
Y2LX628	6	28	6	55
Y2LX632	6	32	6	60
Y2LX642	6	42	6	70
Y2LX652	6	52	6	80
Y2LX672	6	72	6	100
Y2LX6.22	6.35	22	6.35	50
Y2LX825	8	25	8	60
Y2LX835	8	35	8	80
Y2LX845	8	45	8	90

Down cut double flute spiral bits



Good for: MDF, Multilayer board, Plywood.

Material: SOLID CARBIDE,

Products must be ordered by adding the Materials Code Number like N,A, AA and 3A.

PART NO	CED	CEL	SHK	OVL
2LXD3.12	3.175	12	3.175	40
2LXD417	4	17	4	50
2LXD617	6	17	6	50
2LXD622	6	22	6	55
2LXD625	6	25	6	60
2LXD825	8	25	8	70
2LXD1025	10	25	10	80
2LXD1035	10	35	10	90
2LXD12.35	12.7	35	12.7	90
2LXD12.45	12.7	45	12.7	100
2LXD1655	16	55	16	110
2LXD2075	20	75	20	150

Down cut double flute spiral bits



Good for: MDF, Multilayer board, Plywood, Solid wood, Composite wood and so on.

Material: SOLID CARBIDE,

Products must be ordered by adding the Materials Code Number like N,A, AA and 3A.

PART NO	CED	CEL	SHK	OVL
3LXD3.12	3.175	12	3.175	40
3LXD417	4	17	4	50
3LXD617	6	17	6	50
3LXD622	6	22	6	55
3LXD825	8	25	8	70
3LXD835	8	35	8	80
3LXD1025	10	25	10	80
3LXD1035	10	35	10	90
3LXD12.35	12.7	35	12.7	90
3LXD12.45	12.7	45	12.7	100
3LXD1655	16	55	16	110
3LXD2075	20	75	20	150

Three flute spiral bits



Good for: Acrylic, High MDF, Hardwood, Die steel.

Material: SOLID CARBIDE.

Products must be ordered by adding the Materials Code

Number like N, A, AA and 3A .

PART NO	CED	CEL	SHK	OVL
3LX3.08	3.175	8	3.175	38
3LX3.12	3.175	12	3.175	38
3LX3.15	3.175	15	3.175	38
3LX3.17	3.175	17	3.175	38
3LX3.22	3.175	22	3.175	45
3LX3.25	3.175	25	3.175	50
3LX412	4	12	4	40
3LX417	4	17	4	40
3LX422	4	22	4	45
3LX425	4	25	4	50
3LX512	5	12	5	50
3LX517	5	17	5	50
3LX522	5	22	5	50
3LX612	6	12	6	45
3LX617	6	17	6	45
3LX622	6	22	6	50
3LX625	6	25	6	55
3LX628	6	28	6	55
3LX632	6	32	6	60
3LX635	6	35	6	70
3LX642	6	42	6	80
3LX652	6	52	6	90
3LX672	6	72	6	110
3LX6422	4.0	22	6	50
3LX6522	5.0	22	6	50
3LX6.22	6.35	22	6.35	50
3LX6.35	6.35	35	6.35	70
3LX825	8	25	8	60
3LX835	8	35	8	75
3LX845	8	45	8	90
3LX1025	10	25	10	70
3LX1035	10	35	10	80
3LX1045	10	45	10	90
3LX12.35	12.7	35	12.7	80
3LX12.45	12.7	45	12.7	90
3LX12.55	12.7	55	12.7	100
3LX1645	16	45	16	100
3LX1655	16	55	16	110
3LX2075	20	75	20	150

Four flute spiral bits



Good for: Acrylic, High MDF, Hardwood.

Material: SOLID CARBIDE,

Products must be ordered by adding the Materials Code

Number like N, A, AA and 3A.

PART NO	CED	CEL	SHK	OVL
4LX3.08	3.175	8	3.175	38
4LX3.12	3.175	12	3.175	38
4LX3.15	3.175	15	3.175	38
4LX3.17	3.175	17	3.175	38
4LX3.22	3.175	22	3.175	45
4LX3.25	3.175	25	3.175	50
4LX412	4	12	4	40
4LX417	4	17	4	40
4LX422	4	22	4	45
4LX425	4	25	4	50
4LX512	5	12	5	50
4LX517	5	17	5	50
4LX522	5	22	5	50
4LX612	6	12	6	45
4LX617	6	17	6	45
4LX622	6	22	6	50
4LX625	6	25	6	60
4LX628	6	28	6	60
4LX632	6	32	6	70
4LX635	6	35	6	70
4LX642	6	42	6	80
4LX652	6	52	6	90
4LX672	6	72	6	110
4LX6.22	6.35	22	6.35	50
4LX6.35	6.35	35	6.35	70
4LX825	8	25	8	60
4LX835	8	35	8	75
4LX845	8	45	8	90
4LX1025	10	25	10	70
4LX1035	10	35	10	80
4LX1045	10	45	10	90
4LX12.35	12.7	35	12.7	80
4LX12.45	12.7	45	12.7	90
4LX12.55	12.7	55	12.7	100
4LX1645	16	45	16	100
4LX1655	16	55	16	110
4LX2075	20	75	20	150

Double straight flute bits



Good for: Multilayer board, Plywood, MDF, Foam.

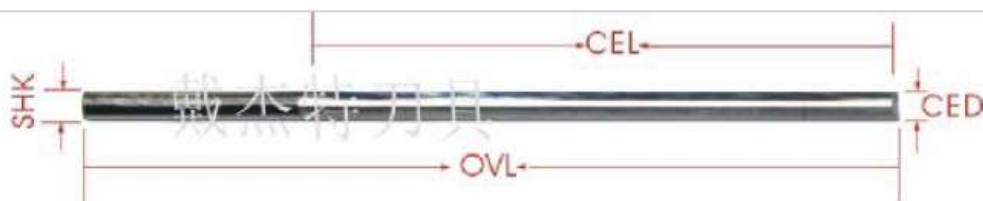
Material: SOLID CARBIDE,

Products must be ordered by adding the Materials Code

Number like N, A, AA and 3A.

PART NO	CED	CEL	SHK	OVL
2ZX3.0.803	0.8	3.0	3.175	38
2ZX3.103	1.0	3	3.175	38
2ZX3.1.204	1.2	4	3.175	38
2ZX3.1.505	1.5	5	3.175	38
2ZX3.208	2	8	3.175	38
2ZX3.10	3.175	10	3.175	38
2ZX3.12	3.175	12	3.175	38
2ZX3.15	3.175	15	3.175	38
2ZX3.17	3.175	17	3.175	38
2ZX3.22	3.175	22	3.175	45
2ZX412	4	12	4	40
2ZX417	4	17	4	40
2ZX422	4	22	4	45
2ZX425	4	25	4	50
2ZX612	6	12	6	45
2ZX617	6	17	6	45
2ZX622	6	22	6	50
2ZX625	6	25	6	50
2ZX628	6	28	6	55
2ZX632	6	32	6	60
2ZX635	6	35	6	70
2ZX6208	2.0	8	6	50
2ZX6312	3.0	12	6	50
2ZX6417	4.0	17	6	50
2ZX6522	5.0	22	6	50
2ZX6.22	6.35	22	6.35	50
2ZX6.35	6.35	35	6.35	70
2ZX825	8	25	8	60
2ZX835	8	35	8	75
2ZX1025	10	25	10	70
2ZX1035	10	35	10	80
2ZX1045	10	45	10	90
2ZX1235	12	35	12	80
2ZX1245	12	45	12	90
2ZX1645	16	45	16	100
2ZX2045	20	45	20	100

Long cel double straight flute bits



Good for: Multilayer board, Plywood, MDF, Foam.

Material: SOLID CARBIDE,

Products must be ordered by adding the Materials Code

Number like N,A,AA and 3Ar.

PART NO	CED	CEL	SHK	OVL
2ZX3.35	3.175	35	3.175	60
2ZX3.45	3.175	45	3.175	70
2ZX3.55	3.175	55	3.175	80
2ZX3.65	3.175	65	3.175	100
2ZX435	4	35	4	60
2ZX445	4	45	4	70
2ZX455	4	55	4	80
2ZX465	4	65	4	100
2ZX475	4	75	4	120
2ZX645	6	45	6	85
2ZX655	6	55	6	90
2ZX665	6	65	6	100
2ZX670	6	70	6	120
2ZX6100	6	100	6	140
2ZX845	8	45	8	80
2ZX860	8	60	8	100
2ZX875	8	75	8	125
2ZX8100	8	100	8	145
2ZX8125	8	125	8	160
2ZX1055	10	55	10	90
2ZX1065	10	65	10	100
2ZX1075	10	75	10	120
2ZX10100	10	100	10	150
2ZX12.65	12.7	65	12.7	100
2ZX12.75	12.7	75	12.7	110
2ZX12.100	12.7	100	12.7	150
2ZX12.150	12.7	150	12.7	200
2ZX1675	16	75	16	130
2ZX16100	16	100	16	160
2ZX16120	16	120	16	180
2ZX16150	16	150	16	220
2ZX16180	20	180	16	260
2ZX20100	20	100	20	180
2ZX20150	20	150	20	230
2ZX20180	20	180	20	260
2ZX20200	20	200	20	280

One flute up&down cut one flute spiral bits



Good for: PVC, Lotus board, Soft wood, and All kinds of Composite board.

Material: SOLID CARBIDE,

Products must be ordered by adding the Materials Code

Number like A, AA and 3A .

PART NO	CED	CEL	SHK	OVL
IFLX3.10	3.175	10	3.175	40
IFLX3.12	3.175	12	3.175	40
IFLX3.17	3.175	17	3.175	45
IFLX3.22	3.175	22	3.175	50
IFLX3.25	3.175	25	3.175	60
IFLX3.32	3.175	32	3.175	70
IFLX412	4	12	4	45
IFLX417	4	17	4	50
IFLX422	4	22	4	50
IFLX425	4	25	4	55
IFLX432	4	32	4	65
IFLX442	4	42	4	70
IFLX452	4	52	4	80
IFLX517	5	17	5	50
IFLX522	5	22	5	60
IFLX612	6	12	6	50
IFLX617	6	17	6	50
IFLX622	6	22	6	60
IFLX625	6	25	6	65
IFLX628	6	28	6	70
IFLX632	6	32	6	80
IFLX645	6	45	6	90
IFLX655	6	55	6	100
IFLX675	6	75	6	120
IFLX825	8	25	8	70
IFLX835	8	35	8	80
IFLX845	8	45	8	90
IFLX855	8	55	8	100
IFLX875	8	75	8	120
IFLX1025	10	25	10	70
IFLX1035	10	35	10	80
IFLX1045	10	45	10	90
IFLX1055	10	55	10	100
IFLX1075	10	75	10	130
IFLX1235	12	35	12	90
IFLX1245	12	45	12	100
IFLX1255	12	55	12	110
IFLX1275	12	75	12	140
IFLX12100	12	100	12	170

Two flute up&down cut one flute spiral bits



Good for: MDF, PVC, Board with lagging, log.

Material: SOLID CARBIDE,

Products must be ordered by adding the Materials Code

Number like N,A, AA and 3A .

PART NO	CED	CEL	SHK	OVL
2FLX3.06	3.175	6	3.175	40
2FLX3.08	3.175	8	3.175	40
2FLX3.10	3.175	10	3.175	40
2FLX3.12	3.175	12	3.175	40
2FLX408	4	8	4	45
2FLX412	4	12	4	45
2FLX417	4	17	4	50
2FLX422	4	22	4	50
2FLX510	5	10	5	50
2FLX512	5	12	5	50
2FLX517	5	17	5	50
2FLX522	5	22	5	50
2FLX610	6	10	6	50
2FLX612	6	12	6	50
2FLX617	6	17	6	50
2FLX622	6	22	6	60
2FLX625	6	25	6	60
2FLX628	6	28	6	70
2FLX635	6	35	6	80
2FLX820	8	20	8	60
2FLX825	8	25	8	60
2FLX835	8	35	8	80
2FLX845	8	45	8	90
2FLX855	8	55	8	100
2FLX875	8	75	8	120
2FLX1025	10	25	10	70
2FLX1035	10	35	10	80
2FLX1045	10	45	10	90
2FLX1235	12	35	12	90
2FLX1245	12	45	12	100
2FLX12.35	12.7	35	12.7	90
2FLX12.45	12.7	45	12.7	100
2FLX12.55	12.7	55	12.7	110
2FLX1645	16	45	16	120
2FLX1655	16	55	16	130
2FLX1675	16	75	16	150
2FLX2045	20	45	20	120
2FLX2075	20	75	20	150

Three flute up&down cut double flute spiral bits



Good for: MDF, PVC, Board with lagging, log.

Material: SOLID CARBIDE,

Products must be ordered by adding the Materials Code
Number like N,A, AA and 3A.

PART NO	CED	CEL	SHK	OVL
3FLX617	6	17	6	50
3FLX622	6	22	6	60
3FLX625	6	25	6	60
3FLX628	6	28	6	70
3FLX635	6	35	6	80
3FLX820	8	20	8	60
3FLX825	8	25	8	60
3FLX835	8	35	8	80
3FLX1025	10	25	10	70
3FLX1035	10	35	10	80
3FLX1045	10	45	10	90
3FLX1235	12	35	12	90
3FLX1245	12	45	12	100
3FLX1255	12	55	12	110
3FLX12.35	12.7	35	12.7	90
3FLX12.45	12.7	45	12.7	100
3FLX12.55	12.7	55	12.7	110
3FLX1645	16	45	16	120
3FLX1655	16	55	16	130
3FLX1675	16	75	16	150
3FLX2045	20	45	20	120
3FLX2075	20	75	20	150

Cup cut with chip-breaker spiral bits



Good for: Rough milling processing on Flake board, MDF, Plywood, Aluminum.

Material: SOLID CARBIDE

Products must be ordered by adding the Materials Code Number like A, AA and 3A.

PART NO	CED	CEL	SHK	OVL
MDRX617	6	17	6	50
MDRX622	6	22	6	60
MDRX625	6	25	6	60
MDRX825	8	25	8	60
MDRX835	8	35	8	80
MDRX1025	10	25	10	70
MDRX1035	10	35	10	80
MDRX1045	10	45	10	90
MDRX1055	10	55	10	100
MDRX1075	10	75	10	130
MDRX1235	12	35	12	90
MDRX1245	12	45	12	100
MDRX1255	12	55	12	110
MDRX1275	12	75	12	130
MDRX12100	12	100	12	150
MDRX12.35	12.7	35	12.7	80
MDRX12.45	12.7	45	12.7	90
MDRX12.55	12.7	55	12.7	100
MDRX12.65	12.7	65	12.7	110
MDRX12.100	12.7	100	12.7	150
MDRX1645	16	45	16	100
MDRX1655	16	55	16	110
MDRX1675	16	75	16	125
MDRX16100	16	100	16	150
MDRX16150	15	150	16	200
MDRX2075	20	75	20	150
MDRX20100	20	100	20	200
MDRX20150	20	150	20	250
MDRX20200	20	200	20	300

Cup cut with chip-breaker spiral bits



Good for: Rough milling processing on Flake board, MDF, Plywood, Aluminum.

Material: SOLID CARBIDE,

Products must be ordered by adding the Materials Code

Number like N,A, AA and 3A .

PART NO	CED	CEL	SHK	OVL
MDRXD617	6	17	6	50
MDRXD622	6	22	6	50
MDRXD825	8	25	8	60
MDRXD835	8	35	8	80
MDRXD1025	10	25	10	70
MDRXD1035	10	35	10	80
MDRXD12.35	12.7	35	12.7	80
MDRXD12.45	12.7	45	12.7	90
MDRXD12.55	12.7	55	12.7	100
MDRX12.65	12.7	65	12.7	110
MDRXD1645	16	45	16	100
MDRXD1655	16	55	16	110
MDRXD1675	16	75	16	125
MDRXD2075	20	75	20	150

Up cut with thick teeth bits



Good for: Hard wood ,MDF, Composite board, Shaving board and so on.

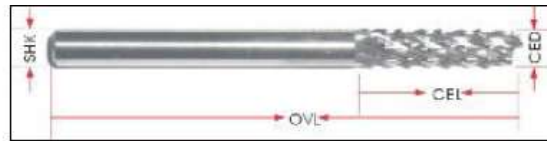
Material: SOLID CARBIDE,

Products must be ordered by adding the Materials Code

Number like N, A, AA and 3A.

PART NO	CED	CEL	SHK	OVL
MCX617	6	17	6	50
MCX622	6	22	6	50
MCX825	8	25	8	60
MCX1035	10	35	10	80
MCX12.45	12.7	45	12.7	100

Cup cut with chip-breaker spiral bits



Good for: Printed circuit board, High density fiber board (HDF), Hard wood, Carbon fiber, Fiber glass, HDF composite board.

Material: SOLID CARBIDE,

Products must be ordered by adding the Materials Code Number like N, A, AA and 3A .

PART NO	CED	CEL	SHK	OVL
ST3.102	1.0	2	3.175	38
ST3.104	1.0	4	3.175	38
ST3.1.205	1.2	5	3.175	38
ST3.1.207	1.2	7	3.175	38
ST3.1.505	1.5	5	3.175	38
ST3.1.508	1.5	8	3.175	38
ST3.1.805	1.8	5	3.175	38
ST3.1.808	1.8	8	3.175	38
ST3.1.810	1.8	10	3.175	38
ST3.205	2.0	5	3.175	38
ST3.208	2.0	8	3.175	38
ST3.210	2.0	10	3.175	38
ST3.2.506	2.5	6	3.175	38
ST3.2.510	2.5	10	3.175	38
ST3.08	3.175	8	3.175	38
ST3.10	3.175	10	3.175	38
ST3.12	3.175	12	3.175	38
ST3.15	3.175	15	3.175	38
ST3.17	3.175	17	3.175	38
ST3.20	3.175	20	3.175	45
ST3.22	3.175	22	3.175	45
ST408	4	8	4	40
ST412	4	12	4	40
ST415	4	15	4	40
ST417	4	17	4	45
ST422	4	22	4	50
ST612	6	12	6	45
ST617	6	17	6	50
ST622	6	22	6	50
ST820	8	20	8	60
ST825	8	25	8	60
ST1025	10	25	10	70
ST1035	10	35	10	80
ST1235	12	35	12	80
ST1245	12	45	12	90

One straight flute bits



Good for: Multilayer board, Plywood, MDF, Foam, Plastic and so on.

Material: SOLID CARBIDE,

Products must be ordered by adding the Materials Code Number like A, AA and 3A .

PART NO	CED	CEL	SHK	OVL
1ZX3.12	3.175	12	3.175	38
1ZX412	4	12	4	45
1ZX417	4	17	4	45
1ZX617	6	17	6	50
1ZX622	6	22	6	50

TCT Double straight flute bits



Good for: Multilayer board, Plywood, MDF.

Material: SOLID CARBIDE,

Products must be ordered by adding the Materials Code Number like N5A(N) before Product Code Number.

PART NO	CED	CEL	SHK
T2ZX12.420	4	20	12.7
T2ZX12.423	4	23	12.7
T2ZX12.427	4	27	12.7
T2ZX12.620	6	20	12.7
T2ZX12.623	6	23	12.7
T2ZX12.628	6	28	12.7
T2ZX12.632	6	32	12.7
T2ZX12.825	8	25	12.7
T2ZX12.835	8	35	12.7
T2ZX12.1025	10	25	12.7
T2ZX12.1035	10	35	12.7
T2ZX12.1045	10	45	12.7

TCT Double straight flute bits



Good for: Multilayer board, Plywood, MDF.

Material: SOLID CARBIDE,

Products must be ordered by adding the Materials Code Number like N5A(N) before Product Code Number.

PART NO	CED	CEL	SHK
TILX12.420	4	20	12.7
TILX12.423	4	23	12.7
TILX12.427	4	27	12.7
TILX12.620	6	20	12.7
TILX12.623	6	23	12.7
TILX12.628	6	28	12.7
TILX12.632	6	32	12.7
TILX12.835	8	35	12.7

TCT Double straight flute bits



Good for: Multilayer board, Plywood, MDF, Hardwood rough milling

Material: SOLID CARBIDE,

Products must be ordered by adding the Materials Code Number like N5A(N) before Product Code Number.

PART NO	CED	CEL	SHK	OVL
TMDRX12.420	4	20	12.7	
TMDRX 12.423	4	23	12.7	
TMDRX 12.427	4	27	12.7	
TMDRX 12.620	6	20	12.7	
TMDRX 12.623	6	23	12.7	
TMDRX 12.628	6	28	12.7	
TMDRX 12.632	6	32	12.7	
TMDRX 12.835	8	35	12.7	

TCT Double straight flute bits



Good for: Multilayer board, Plywood, MDF.

Material: SOLID CARBIDE,

Products must be ordered by adding the Materials Code Number like N5A(N) before Product Code Number.

PART NO	CED	CEL	SHK	OVL
T1LXD12.420	4	20	12.7	
T1LXD12.423	4	23	12.7	
T1LXD12.427	4	27	12.7	
T1LXD12.620	6	20	12.7	
T1LXD12.623	6	23	12.7	
T1LXD12.628	6	28	12.7	
T1LXD12.632	6	32	12.7	
T1LXD12.835	8	35	12.7	

TCT Double straight flute bits



Good for: Multilayer board, Plywood, MDF.

Material: SOLID CARBIDE,

Products must be ordered by adding the Materials Code Number like N5A(N) before Product Code Number.

PART NO	CED	CEL	SHK	OVL
T2LXD12.420	4	20	12.7	
T2LXD12.423	4	23	12.7	
T2LXD12.427	4	27	12.7	
T2LXD12.620	6	20	12.7	
T2LXD12.623	6	23	12.7	
T2LXD12.628	6	28	12.7	
T2LXD12.632	6	32	12.7	
T2LXD12.835	8	35	12.7	

Long cel flat bottom engraving bits

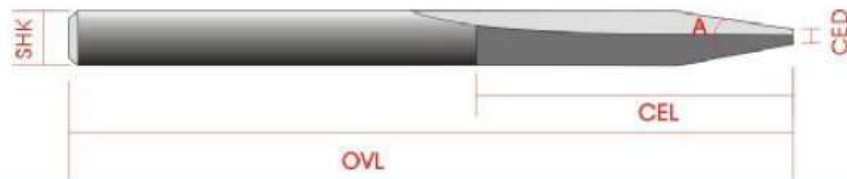


Good for: Medium mezzo rilievo on PVC, rosewood, hardwood and so on.

Products must be ordered by adding the Materials Code Number like N,A,AA and 3A .

PART NO	T	2A	CEL	SHK	OVL
J3.250318	0.3	25	18	3.175	38
J3.250418	0.4	25	18	3.175	38
J3.250518	0.5	25	18	3.175	38
J3.250618	0.6	25	18	3.175	38
J3.300318	0.3	30	18	3.175	38
J3.300418	0.4	30	18	3.175	38
J3.300518	0.5	30	18	3.175	38
J3.300618	0.6	30	18	3.175	38
J4250320	0.3	25	20	4	45
J4250420	0.4	25	20	4	45
J4250520	0.5	25	20	4	45
J4250620	0.6	25	20	4	45
J4250820	0.8	25	20	4	45
J4300320	0.3	30	20	4	45
J4300420	0.4	30	20	4	45
J4300520	0.5	30	20	4	45
J4300620	0.6	30	20	4	45
J4300820	0.8	30	20	4	45
J6250325	0.3	25	25	6	55
J6250425	0.4	25	25	6	55
J6250525	0.5	25	25	6	55
J6250625	0.6	25	25	6	55
J6250825	0.8	25	25	6	55
J6251025	1.0	25	25	6	55
J6300325	0.3	30	25	6	55
J6300425	0.4	30	25	6	55
J6300525	0.5	30	25	6	55
J6300625	0.6	30	25	6	55
J6300825	0.8	30	25	6	55
J6301025	1.0	30	25	6	55

Long cel double straight flat bottom engraving bits



Good for: Deep mezzo rilievo on rosewood and hardwood.

Material: SOLID CARBIDE,

Products must be ordered by adding the Materials Code

Number like N, A, AA and 3A .

PART NO	CED	2A	CEL	SHK	OVL
2ZJ3.300420	0.4	30	20	3.175	45
2ZJ3.300620	0.6	30	20	3.175	45
2ZJ3.300820	0.8	30	20	3.175	45
2ZJ3.301020	1.0	30	20	3.175	45
2ZJ3.300425	0.4	30	25	3.175	50
2ZJ3.300625	0.6	30	25	3.175	50
2ZJ3.300825	0.8	30	25	3.175	50
2ZJ3.301025	1.0	30	25	3.175	50
2ZJ4300425	0.4	30	25	4	50
2ZJ4300625	0.6	30	25	4	50
2ZJ4300825	0.8	30	25	4	50
2ZJ4301025	1.0	30	25	4	50
2ZJ4301525	1.5	30	25	4	50
2ZJ4300428	0.4	30	28	4	60
2ZJ4300628	0.6	30	28	4	60
2ZJ4300828	0.8	30	28	4	60
2ZJ4301028	1.0	30	28	4	60
2ZJ4301528	1.5	30	28	4	60
2ZJ6300428	0.4	30	28	6	70
2ZJ6300628	0.6	30	28	6	70
2ZJ6300828	0.8	30	28	6	70
2ZJ6301028	1.0	30	28	6	70
2ZJ6301528	1.5	30	28	6	70
2ZJ6302028	2.0	30	28	6	70
2ZJ6300435	0.4	30	35	6	80
2ZJ6300635	0.6	30	35	6	80
2ZJ6300835	0.8	30	35	6	80
2ZJ6301035	1.0	30	35	6	80
2ZJ6301535	1.5	30	35	6	80
2ZJ6302035	2.0	30	35	6	80
2ZJ6300445	0.4	30	45	6	90
2ZJ6300645	0.6	30	45	6	90
2ZJ6300845	0.8	30	45	6	90
2ZJ6301045	1.0	30	45	6	90
2ZJ6301545	1.5	30	45	6	90
2ZJ6302045	2.0	30	45	6	90
2ZJ8302055	2.0	30	55	8	100
2ZJ10302070	2.0	30	70	10	120
2ZJ123030100	3.0	30	100	12	150

Two straight slot flat bottom engraving bits



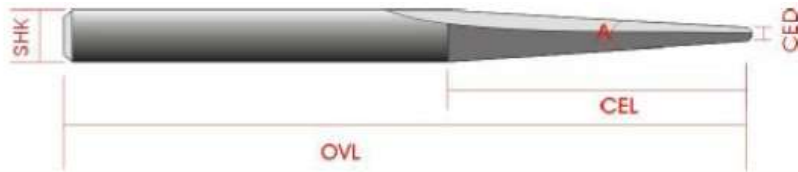
Good for: Single head or multi-head CNC machine deep relief engraving(MDF,PVC,WOOD and so on)

Products must be ordered by adding the Materials Code Number

like A, AA and 3A .

PART NO	CED	A	CEL	SHK	OVL
2ZXJ6250560	0.5	12.55	25	6	60
2ZXJ6250860	0.8	11.87	25	6	60
2ZXJ6251060	1.0	11.42	25	6	60
2ZXJ6251560	1.5	10.29	25	6	60
2ZXJ6252060	2.0	9.15	25	6	60
2ZXJ6250580	0.5	12.55	25	6	80
2ZXJ6300580	0.5	10.48	30	6	80
2ZXJ6300880	0.8	9.91	30	6	80
2ZXJ6301080	1.0	9.53	30	6	80
2ZXJ6301580	1.5	8.58	30	6	80
2ZXJ6302080	2.0	7.63	30	6	80
2ZXJ6350580	0.5	8.99	35	6	80
2ZXJ6350880	0.8	8.5	35	6	80
2ZXJ6351080	1.0	8.17	35	6	80
2ZXJ6351580	1.5	7.36	35	6	80
2ZXJ6352080	2.0	6.54	35	6	80
2ZXJ64008100	0.8	7.44	40	6	100
2ZXJ64010100	1.0	7.15	40	6	100
2ZXJ64015100	1.5	6.44	40	6	100
2ZXJ64020100	2.0	5.72	40	6	100
2ZXJ64508100	0.8	6.61	45	6	100
2ZXJ64510100	1.0	6.36	45	6	100
2ZXJ64515100	1.5	5.72	45	6	100
2ZXJ64520100	2.0	5.09	45	6	100
2ZXJ64515150	1.5	5.72	45	6	150
2ZXJ64520150	2.0	5.09	45	6	150
2ZXJ84515150	1.5	8.26	45	8	150
2ZXJ84520150	2.0	7.63	45	8	150
2ZXJ84530150	3.0	6.36	45	8	150
2ZXJ85020150	2.0	6.87	50	8	150
2ZXJ85030150	3.0	5.72	50	8	150
2ZXJ86025150	2.5	5.25	60	8	150
2ZXJ86030150	3.0	4.77	60	8	150
2ZXJ107530180	3.0	5.34	75	10	180
2ZXJ128040200	4.0	5.72	80	12	200

Double straight slot radiused bottom engraving bits

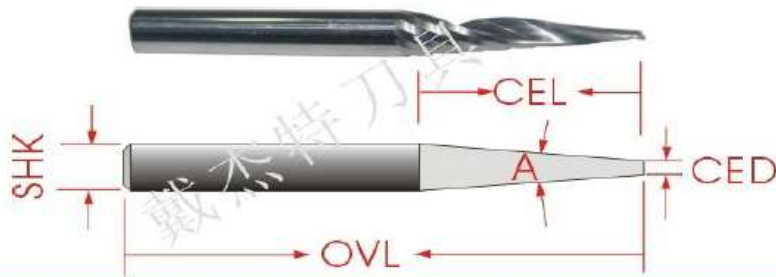


Good for: Single head or multi-head CNC machine deep relief engraving(MDF,PVC,WOOD and so on)

Products must be ordered by adding the Materials Code Number
like N,A, AA and 3A .

PART NO	2R	A	CEL	SHK	OVL
2ZXJQ6250560	0.5	12.68	25	6	60
2ZXJQ6250860	0.8	12.07	25	6	60
2ZXJQ6251060	1.0	11.65	25	6	60
2ZXJQ6251560	1.5	10.60	25	6	60
2ZXJQ6252060	2.0	9.53	25	6	60
2ZXJQ6250580	0.5	12.68	25	6	80
2ZXJQ6300580	0.5	10.56	30	6	80
2ZXJQ6300880	0.8	10.04	30	6	80
2ZXJQ6301080	1.0	9.69	30	6	80
2ZXJQ6301580	1.5	8.80	30	6	80
2ZXJQ6302080	2.0	7.89	30	6	80
2ZXJQ6350580	0.5	9.05	35	6	80
2ZXJQ6350880	0.8	8.59	35	6	80
2ZXJQ6351080	1.0	8.29	35	6	80
2ZXJQ6351580	1.5	7.52	35	6	80
2ZXJQ6352080	2.0	6.73	35	6	80
2ZXJQ64008100	0.8	7.51	40	6	100
2ZXJQ64010100	1.0	7.24	40	6	100
2ZXJQ64015100	1.5	6.56	40	6	100
2ZXJQ64020100	2.0	5.87	40	6	100
2ZXJQ64508100	0.8	6.67	45	6	100
2ZXJQ64510100	1.0	6.43	45	6	100
2ZXJQ64515100	1.5	5.82	45	6	100
2ZXJQ64520100	2.0	5.21	45	6	100
2ZXJQ64515150	1.5	5.82	45	6	150
2ZXJQ64520150	2.0	5.21	45	6	150
2ZXJQ84515150	1.5	8.4	45	8	150
2ZXJQ84520150	2.0	7.8	45	8	150
2ZXJQ84530150	3.0	6.58	45	8	150
2ZXJQ85020150	2.0	7.01	50	8	150
2ZXJQ85030150	3.0	5.9	50	8	150
2ZXJQ86025150	2.5	5.36	60	8	150
2ZXJQ86030150	3.0	4.89	60	8	150
2ZXJQ107530180	3.0	5.45	75	10	180
2ZXJQ128040200	4.0	5.87	80	12	200

One flute spiral slope flat bits



Good for: Fine three-dimensional relief on Acrylic, PVC, MDF, Hardwood, Aluminum and so on.

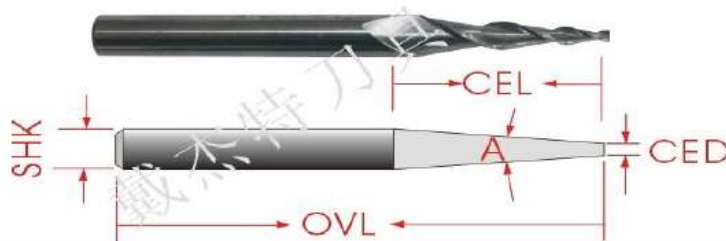
Material: SOLID CARBIDE,

Products must be ordered by adding the Materials Code

Number like N, A, AA and 3A .

PART NO	CED	CEL	A	SHK	OVL
X1LX61510	1.0	15	10	6	50
X1LX83520	2.0	35	10	8	75
X1LX122230	1.0	22	30	12	60
X1LX6122230	1.0	22	30	6-12	60
X1LX142530	2.0	25	30	14	70
X1LX162830	2.0	28	30	16	80
X1LX203030	2.0	30	30	20	100

Two flute spiral slope flat bits



Good for: Fine three-dimensional relief on Acrylic, PVC, MDF, Hardwood, Aluminum and so on.

Material: SOLID CARBIDE,

Products must be ordered by adding the Materials Code

Number like N, A, AA and 3A .

PART NO	CED	CEL	A	SHK	OVL
X2LX61510	1.0	15	10	6	50
X2LX122230	1.0	22	30	12	60
X2LX6122230	1.0	22	30	6-12	60

Two flute spiral slope flat bits



Good for: Fine three-dimensional relief on Acrylic, PVC, MDF, Hardwood, Aluminum and so on.

Material: SOLID CARBIDE,

Products must be ordered by adding the Materials Code

Number like N, A, AA and 3A .

PART NO	2R	CEL	A	SHK	OVL
X2QX62010	1.0	20		6	50
X2QX62020	2.0	20		6	50
X2QX63015	1.5	30		6	60
X2QX63020	2.0	30		6	60
X2QX63010	1.0	30		6	70
X2QX63020	2.0	30		6	70
X2QX63030	3.0	30		6	70
X2QX83010	1.0	30		8	75
X2QX83015	1.5	30		8	75
X2QX83020	2.0	30		8	75
X2QX83025	2.5	30		8	75
X2QX83030	3.0	30		8	75
X2QX84010	1.0	40		8	85
X2QX84015	1.5	40		8	85
X2QX84020	2.0	40		8	85
X2QX84030	3.0	40		8	85
X2QX103520	2.0	35		10	80
X2QX103530	3.0	35		10	80
X2QX103540	4.0	35		10	80
X2QX104520	2.0	45		10	90
X2QX104530	3.0	45		10	90
X2QX104540	4.0	45		10	90
X2QX125020	2.0	50		12	100
X2QX125030	3.0	50		12	100
X2QX125040	4.0	50		12	100
X2QX126020	2.0	60		12	120
X2QX126030	3.0	60		12	120
X2QX1210020	2.0	100		12	150


Two flutes 3D engraving bits

Good for: 3D engraving and chamfer angle on Acrylic, MDF, and PVC. Excellent concentricity, sharp cutting edge, non-stick in the bottom

Material: SOLID CARBIDE,

Products must be ordered by adding the Materials Code

Number like N, A .

PART NO	CED	A	TIP	SHK	PIC
2V61045	10	45°	0.2	6	
2V61060	10	60°	0.2	6	
2V61090	10	90°	0.2	6	
2V610120	10	120°	0.2	6	
2V610150	10	150°	0.2	6	
2V61660	16	60°	0.2	6	
2V61690	16	90°	0.2	6	
2V616120	16	120°	0.2	6	
2V616150	16	150°	0.2	6	
2V62260	22	60°	0.2	6	
2V62290	22	90°	0.2	6	
2V622120	22	120°	0.2	6	
2V622135	22	135°	0.2	6	
2V622150	22	150°	0.2	6	
2V63260	32	60°	0.2	6	
2V63290	32	90°	0.2	6	
2V632110	32	110°	0.2	6	
2V632120	32	120°	0.2	6	
2V632130	32	130°	0.2	6	
2V632135	32	135°	0.2	6	
2V632140	32	140°	0.2	6	
2V632150	32	150°	0.2	6	
2V12.2290	22	90°	0.2	12.7	
2V12.22120	22	120°	0.2	12.7	
2V12.22150	22	150°	0.2	12.7	
2V12.3290	32	90°	0.2	12.7	
2V12.32120	32	120°	0.2	12.7	
2V12.32150	32	150°	0.2	12.7	
2V12.4590	45	90°	0.2	12.7	
2V12.45120	45	120°	0.2	12.7	
2V202290	22	90°	0.2	20	
2V2022120	22	120°	0.2	20	
2V203290	32	90°	0.2	20	
2V2032120	32	120°	0.2	20	
2V204590	45	90°	0.2	20	
2V2045120	45	120°	0.2	20	


ONE FLUTE 3D ENGRAVING BITS

Good for: 3D engraving and chamfer angle on Acrylic, MDF, and PVC. Excellent concentricity, sharp cutting edge, non-stick in the bottom

Material: SOLID CARBIDE,

Products must be ordered by adding the Materials Code

Number like N and A .

PART NO	CED	A	TIP	SHK	PIC
1V62260	22	60°	0.2	6	
1V62290	22	90°	0.2	6	
1V622120	22	120°	0.2	6	
1V622135	22	135°	0.2	6	
1V622150	22	150°	0.2	6	
1V63290	32	90°	0.2	6	
1V632110	32	110°	0.2	6	
1V632120	32	120°	0.2	6	
1V632130	32	130°	0.2	6	
1V632135	32	135°	0.2	6	
1V632140	32	140°	0.2	6	
1V632150	32	150°	0.2	6	


EXTRA-WIDE CED 3D ENGRAVING BIT

Good for: Extra-wide 3D engraving on Acrylic, PVC, MDF and deep chamfering of edge processing.

Material: SOLID CARBIDE,

Products must be ordered by adding the Materials Code

Number like N, A, AA and 3A .

PART NO	CED	A	TIP SIZE	SHK	
KV12.6090	60	90°	0.2	12.7	
KV12.60120	60	120°	0.2	12.7	
KV12.60150	60	150°	0.2	12.7	
KV12.8090	80	90°	0.2	12.7	
KV12.80120	80	120°	0.2	12.7	
KV12.80150	80	150°	0.2	12.7	
KV1610090	100	90°	0.2	16	
KV16100120	100	120°	0.2	16	
KV16100150	100	150°	0.2	16	
KV1612590	125	90°	0.2	16	
KV16125120	125	120°	0.2	16	
KV16125150	125	150°	0.2	16	
KV1615090	150	90°	0.2	16	
KV16150120	150	120°	0.2	16	
KV16150150	150	150°	0.2	16	

SOLID CARBIDE V BITS



Good for: Precision 3D engraving on Acrylic, PVC, MDF, Hardwood, Aluminum and so on. High precision and long-using life.

Products must be ordered by adding the Materials Code

Number like A, AA and 3A .

PART NO	CED	2A	TIP SIZE	OVL	SHK
ZV3.645	6	45	0.2	40	3.175
ZV3.660	6	60	0.2	40	3.175
ZV3.690	6	90	0.2	40	3.175
ZV3.845	8	45	0.2	40	3.175
ZV3.860	8	60	0.2	40	3.175
ZV3.890	8	90	0.2	40	3.175
ZV3.8120	8	120	0.2	40	3.175
ZV3.8150	8	150	0.2	40	3.175
ZV61045	10	45	0.2	40	6
ZV61060	10	60	0.2	40	6
ZV61090	10	90	0.2	40	6
ZV6109010	10	90	1.0	40	6
ZV6109020	10	90	2.0	40	6
ZV610100	10	100	0.2	40	6
ZV610120	10	120	0.2	40	6
ZV610150	10	150	0.2	40	6
ZV61260	12	60	0.2	45	6
ZV61290	12	90	0.2	45	6
ZV612120	12	120	0.2	45	6
ZV612150	12	150	0.2	50	6
ZV81660	16	60	0.2	50	8
ZV81690	16	90	0.2	50	8
ZV8169020	16	90	2.0	50	8
ZV816120	16	120	0.2	50	8
ZV816135	16	135	0.2	50	8
ZV816150	16	150	0.2	50	8
ZV122060	20	60	0.2	60	12
ZV122090	20	90	0.2	60	12
ZV12209020	20	90	2.0	60	12
ZV1220120	20	120	0.2	60	12
ZV1220135	20	135	0.2	60	12
ZV1220150	20	150	0.2	60	12

SOLID CARBIDE CLEANING BOTTOM BITS



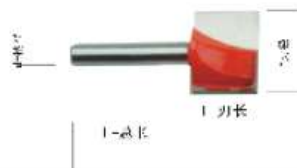
Good for: MDF, PVC, Acrylic.

Material: SOLID CARBIDE,

Products must be ordered by adding the Materials Code Number like Nand A .

PART NO	CED	CEL	SHK	OVL
ZQD3.810	8	10	3.175	40
ZQD610	10	15	6	40
ZQD612	12	15	6	40
ZQD616	16	20	6	50
ZQD1220	20	20	12	50

CLEANING BOTTOM BITS



Good for: MDF, PVC, Acrylic.

Material: SOLID CARBIDE,

Products must be ordered by adding the Materials Code Number like NSA(N, A),and A before Product Code Number.

PART NO	CED	CEL	SHK	OVL
QD610	10	10	6	45
QD616	16	12	6	45
QD622	22	15	6	45
QD630	30	15	6	45
QD12.22	22	20	12.7	50
QD12.32	32	25	12.7	50
QD12.45	45	30	12.7	60



PART NO	CED	A	SHK	OVL
QDA45610	10	45	6	45
QDA45616	16	45	6	45
QDA45622	22	45	6	45
QDA30610	10	30	6	45
QDA30616	16	30	6	45
QDA30622	22	30	6	45



PART NO	CED	R	SHK	OVL
QDB610	10	2	6	45
QDB616	16	3	6	45
QDB622	22	4	6	45



PART NO	CED	R	SHK	OVL
QDC610	10	2	6	45
QDC616	16	3	6	45
QDC622	22	4	6	45

CLASSICAL OGEE BITS

Good for: MDF, PVC, Acrylic.

Material: SOLID CARBIDE,

Products must be ordered by adding the Materials Code Number like N, A and 3A .

PIC PART NO SHK CED



HBDA616 6 16

HBDA626 6 26

HBDA12.26 12.7 26



HBDB616 6 16

HBDB626 6 26

HBDB12.26 12.7 26



HBDC616 6 16

HBDC626 6 26







HBDC12.26 12.7 26



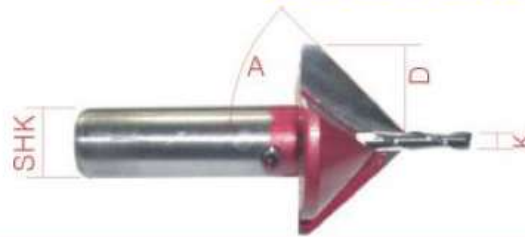
HBDD616 6 16

HBDD622 6 22

HBDD12.26 12.7 26

	HBDE612	6	12
	HBDE616	6	16
	HBDE622	6	22
	HBDE12.32	12.7	32
	HBDF626	6	26
	HBDF12.34	12.7	34
 1/4R 刀	NRD610	6	10
	NRD616	6	16
	NRD624	6	24
	NRD632	6	32
	NRD12.24	12.7	24
	NRD12.32	12.7	32
	NRD12.45	12.7	45
 尖嘴刀	JZD610	6	10
	JZD616	6	16
	JZD624	6	24
	JZD12.24	12.7	24
 尖嘴刀 B	JZDB612	6	12
	JZDB616	6	16
	JZDB12.24	12.7	24
 圆底刀	YDD610	6	10
	YDD615	6	15
	YDD620	6	20
	YDD625	6	25
	YDD630	6	30
	YDD12.20	12.7	20
	YDD12.25	12.7	25
	YDD12.30	12.7	30
	YDD12.45	12.7	45

ADJUSTABLE WOOD CUTTER WITH ANGLE



Good for: MDF, PVC, Acrylic.

Material: SOLID CARBIDE,

Products must be ordered by adding the Materials Code

Number like N5A(N,A) and A before Product Code Number.

PART NO	K	2A	2D	SHK
MZHA049010	4	90	10	12.7
MZHA0412010	4	120	10	12.7
MZHA0415010	4	150	10	12.7
MZHA069010	6	90	10	12.7
MZHA0612010	6	120	10	12.7
MZHA0615010	6	150	10	12.7
MZHA049016	4	90	16	12.7
MZHA0412016	4	120	16	12.7
MZHA0415016	4	150	16	12.7
MZHA069016	6	90	16	12.7
MZHA0612016	6	120	16	12.7
MZHA0615016	6	150	16	12.7
MZHA049022	4	90	22	12.7
MZHA0412022	4	120	22	12.7
MZHA0415022	4	150	22	12.7
MZHA066022	6	60	22	12.7
MZHA069022	6	90	22	12.7
MZHA0612022	6	120	22	12.7
MZHA0615022	6	150	22	12.7
MZHA049032	4	90	32	12.7
MZHA0412032	4	120	32	12.7
MZHA0415032	4	150	32	12.7
MZHA069032	6	90	32	12.7
MZHA0612032	6	120	32	12.7
MZHA0615032	6	150	32	12.7
MZHA069045	6	90	45	12.7
MZHA0612045	6	120	45	12.7
MZHA0613545	6	135	45	12.7
MZHA0615045	6	150	45	12.7
MZHA089045	8	90	45	16
MZHA0812045	8	120	45	16
MZHA0815045	8	150	45	16

ADJUSTABLE WOOD CUTTER WITH ROUND BOTTOM



Good for: MDF, PVC, Acrylic.

Material: SOLID CARBIDE,

Products must be ordered by adding the Materials Code

Number like N5A(N,A)and A before Product Code Number.

PART NO	K	R	SHK
MZHB0405	4	5	12.7
MZHB0605	6	5	12.7
MZHB0475	4	7.5	12.7
MZHB0675	6	7.5	12.7
MZHB0410	4	10	12.7
MZHB0610	6	10	12.7
MZHB0415	4	15	12.7
MZHB0615	6	15	12.7
MZHB0820	8	20	16

ADJUSTABLE WOOD ROUTER WITH ROUND ANGLE



Good for: MDF, PVC, Acrylic.

Material: SOLID CARBIDE.

Products must be ordered by adding the Materials Code

Number like N, A, AA and 3A before Product Code Number.

PART NO	K	R	SHK
MZHC0405	4	5	12.7
MZHC0605	6	5	12.7
MZHC0475	4	7.5	12.7
MZHC0675	6	7.5	12.7
MZHC0410	4	10	12.7
MZHC0610	6	10	12.7
MZHC0415	4	15	12.7
MZHC0615	6	15	12.7
MZHC0820	8	20	16



Material: SOLID CARBIDE,

Products must be ordered by adding the Materials Code
Number like N, A, AA and 3A before Product Code Number.

PART NO	CED	CEL	SHK	OVL
ZT0.30	0.30	5.5	3.175	40
ZT0.35	0.35	5.5	3.175	40
ZT0.40	0.40	7.0	3.175	40
ZT0.45	0.45	7.0	3.175	40
ZT0.50	0.50	8.5	3.175	40
ZT0.55	0.55	8.5	3.175	40
ZT0.60	0.60	9.5	3.175	40
ZT0.65	0.65	9.5	3.175	40
ZT0.70	0.70	9.5	3.175	40
ZT0.75	0.75	9.5	3.175	40
ZT0.80	0.80	9.5	3.175	40
ZT0.85	0.85	9.5	3.175	40
ZT0.90	0.90	9.5	3.175	40
ZT1.00	1.00	10.5	3.175	40
ZT1.10	1.10	10.5	3.175	40
ZT1.20	1.20	10.5	3.175	40
ZT1.30	1.30	12.0	3.175	40
ZT1.40	1.40	12.0	3.175	40
ZT1.50	1.50	12.0	3.175	40
ZT1.60	1.60	12.0	3.175	40
ZT1.70	1.70	12.0	3.17	40
ZT1.80	1.80	12.0	3.175	40
ZT1.90	1.90	12.0	3.175	40
ZT2.00	2.00	12.0	3.175	40
ZT2.10	2.10	12.0	3.175	40
ZT2.20	2.20	12.0	3.175	40
ZT2.30	2.30	12.0	3.175	40
ZT2.40	2.40	12.0	3.175	40
ZT2.50	2.50	12.0	3.175	40
ZT2.60	2.60	12.0	3.175	40
ZT2.70	2.70	12.0	3.175	40
ZT2.80	2.80	12.0	3.175	40
ZT2.90	2.90	12.0	3.175	40
ZT3.00	3.00	12.0	3.175	40
ZT3.175	3.175	12.0	3.175	40

SOLID CARBIDE(TUNGSTEN) ROUND BAR



PART NO	SHK	OVL
YB3.40	3.175	40
YB3.100	3.175	100
YB4100	4	100
YB6100	6	100
YB8100	8	100
YB10100	10	100
YB12100	12	100

SINGLE SEMI-OPEN ROUND BAR



Good for: Mirror polish, digital control processing with high precision. This tool can be made into all kinds of engraving tools by cutting grinder machine.

Material: SOLID CARBIDE,

Products must be ordered by adding the Materials Code Number like N5A(N), A, AA and 3A before Product Code Number.

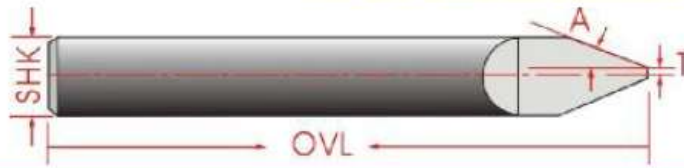
PART NO	CED	CEL	SHK	OVL
1B3.08	3.175	8	3.175	40
1B3.12	3.175	12	3.175	40
1B3.15	3.175	15	3.175	40
1B412	4	12	4	40
1B415	4	15	4	40
1B612	6	12	6	40
1B615	6	15	6	40
1B617	6	17	6	40

DOUBLE SEMI-OPEN ROUND BAR



PART NO	CED	CEL	SHK	OVL
2B3.08	3.175	8	3.175	40
2B3.12	3.175	12	3.175	50
2B412	4	12	4	50
2B612	6	12	6	50

FLAT BOTTOM ENGRAVING BITS FOR STEEL



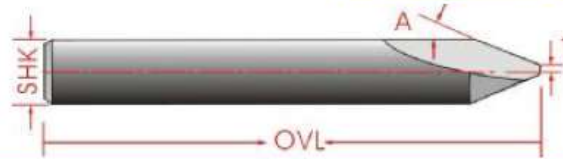
Good for: Steel, Aluminum, Iron, Hardwood shallow surface engraving.

Material: SOLID CARBIDE

Products must be ordered by adding the Materials Code Number like N, A, AA and 3A.

PART NO	2T	2A	SHK	OVL
JS3.2002	0.2	20	3.175	38
JS3.2003	0.3	20	3.175	38
JS3.3002	0.2	30	3.175	38
JS3.3003	0.3	30	3.175	38
JS3.3004	0.4	30	3.175	38
JS3.3005	0.5	30	3.175	38
JS3.3006	0.6	30	3.175	38
JS3.4002	0.2	40	3.175	38
JS3.4003	0.3	40	3.175	38
JS3.4004	0.4	40	3.175	38
JS3.4005	0.5	40	3.175	38
JS3.4502	0.2	45	3.175	38
JS3.4503	0.3	45	3.175	38
JS3.6002	0.2	60	3.175	38
JS3.6003	0.3	60	3.175	38
JS3.9003	0.3	90	3.175	38
JS43002	0.2	30	4	40
JS43003	0.3	30	4	40
JS43004	0.4	30	4	40
JS44002	0.2	40	4	40
JS44003	0.3	40	4	40
JS44502	0.2	45	4	40
JS44503	0.3	45	4	40
JS44504	0.4	45	4	40
JS46002	0.2	60	4	40
JS46003	0.3	60	4	40
JS46005	0.5	60	4	40
JS49002	0.2	90	4	40
JS64502	0.2	45	6	40
JS64503	0.3	45	6	40
JS64505	0.5	45	6	40
JS66002	0.2	60	6	40
JS66003	0.3	60	6	40
JS66005	0.5	60	6	40
JS69002	0.2	90	6	40
JS69003	0.3	90	6	40

ONE STRAIGHT FLUTE ENGRAVING BITS



Good for: Iron, Copper, Aluminum, Steel, Stainless steel, Hardness, High density fiber board (HDF).

Material: SOLID CARBIDE,

Products must be ordered by adding the Materials Code Number like
A, AA and 3A .

PART NO	T	2A	SHK	OVL
1ZJ3.2002	0.2	20	3.175	38
1ZJ3.2003	0.3	20	3.175	38
1ZJ3.2004	0.4	20	3.175	38
1ZJ3.2502	0.2	25	3.175	38
1ZJ3.2503	0.3	25	3.175	38
1ZJ3.2504	0.4	25	3.175	38
1ZJ3.2505	0.5	25	3.175	38
1ZJ3.3002	0.2	30	3.175	38
1ZJ3.3003	0.3	30	3.175	38
1ZJ3.3004	0.4	30	3.175	38
1ZJ3.3005	0.5	30	3.175	38
1ZJ3.4002	0.2	40	3.175	38
1ZJ3.4003	0.3	40	3.175	38
1ZJ42502	0.2	25	4	40
1ZJ42503	0.3	25	4	40
1ZJ42504	0.4	25	4	40
1ZJ43002	0.2	30	4	40
1ZJ43003	0.3	30	4	40
1ZJ43004	0.4	30	4	40
1ZJ44002	0.2	40	4	40
1ZJ44005	0.5	40	4	40
1ZJ44502	0.2	45	4	40
1ZJ44505	0.5	45	4	40
1ZJ46002	0.2	60	4	40
1ZJ62503	0.3	25	6	45
1ZJ62504	0.4	25	6	45
1ZJ62505	0.5	25	6	45
1ZJ63002	0.2	30	6	45
1ZJ63003	0.3	30	6	45
1ZJ63004	0.4	30	6	45
1ZJ64003	0.3	40	6	45
1ZJ64004	0.4	40	6	45
1ZJ64005	0.5	40	6	45
1ZJ64503	0.3	40	6	45
1ZJ64504	0.4	40	6	45
1ZJ66003	0.3	60	6	45
1ZJ66005	0.5	60	6	45
1ZJ69002	0.2	90	6	45

DOUBLE STRAIGHT FLUTES ENGRAVING BITS



Good for: Iron, Copper, Aluminum, Steel, Stainless steel, Hardness, High density fiber board (HDF).

Material: SOLID CARBIDE

Products must be ordered by adding the Materials Code Number like A, AA and 3A .

PART NO	T	2A	SHK	OVL
2ZJ3.1506	0.6	15	3.175	38
2ZJ3.1508	0.8	15	3.175	38
2ZJ3.1510	1.0	15	3.175	38
2ZJ3.2008	0.8	20	3.175	38
2ZJ3.2010	1.0	20	3.175	38
2ZJ3.2015	1.5	20	3.175	38
2ZJ3.3008	0.8	30	3.175	38
2ZJ3.3010	1.0	30	3.175	38
2ZJ3.3015	1.5	30	3.175	38
2ZJ42508	0.8	25	4	40
2ZJ42510	1.0	25	4	40
2ZJ42515	1.5	25	4	40
2ZJ42520	2.0	25	4	40
2ZJ43005	0.5	30	4	40
2ZJ43008	0.8	30	4	40
2ZJ43010	1.0	30	4	40
2ZJ43015	1.5	30	4	40
2ZJ44505	0.5	45	4	40
2ZJ44508	0.8	45	4	40
2ZJ44510	1.0	45	4	40
2ZJ46003	0.3	60	4	40
2ZJ46005	0.5	60	4	40
2ZJ46010	1.0	60	4	40
2ZJ64505	0.5	45	6	45
2ZJ64510	1.0	45	6	45
2ZJ64515	1.5	45	6	45
2ZJ64520	2.0	45	6	45
2ZJ64530	3.0	45	6	45
2ZJ66002	0.2	60	6	45
2ZJ66005	0.5	60	6	45
2ZJ66010	1.0	60	6	45
2ZJ66015	1.5	60	6	45
2ZJ66020	2.0	60	6	45
2ZJ69002	0.2	90	6	45
2ZJ69005	0.5	90	6	45
2ZJ69010	1.0	90	6	45
2ZJ69020	2.0	90	6	45

ONE SPIRAL FLUTE ENGRAVING BITS



Good for: Iron, Copper, Aluminum, Steel, Stainless steel, Hardness, High density fiber board (HDF).

Material: SOLID CARBIDE,

Products must be ordered by adding the Materials Code Number like A, AA and 3A .

PART NO	T	2A	SHK	OVL
LJ3.2502	0.2	25	3.175	38
LJ3.2504	0.4	25	3.175	38
LJ3.3002	0.2	30	3.175	38
LJ3.3003	0.3	30	3.175	38
LJ3.3004	0.4	30	3.175	38
LJ3.3005	0.5	30	3.175	38
LJ3.3602	0.2	36	3.175	38
LJ3.3603	0.3	36	3.175	38
LJ3.3605	0.5	36	3.175	38
LJ3.4002	0.2	40	3.175	38
LJ3.4003	0.3	40	3.175	38
LJ3.4502	0.2	45	3.175	38
LJ3.4504	0.4	45	3.175	38
LJ3.6002	0.2	60	3.175	38
LJ3.6004	0.4	60	3.175	38
LJ42502	0.2	25	4	40
LJ42503	0.3	25	4	40
LJ42504	0.4	25	4	40
LJ43002	0.2	30	4	40
LJ43003	0.3	30	4	40
LJ43004	0.4	30	4	40
LJ43005	0.5	30	4	40
LJ44502	0.2	45	4	40
LJ44503	0.3	45	4	40
LJ44505	0.5	45	4	40
LJ46002	0.2	60	4	40
LJ46003	0.3	60	4	40
LJ46005	0.5	60	4	40
LJ49002	0.2	90	4	40
LJ64502	0.2	45	6	40
LJ64503	0.3	45	6	40
LJ64505	0.5	45	6	40
LJ66002	0.2	60	6	40
LJ66005	0.5	60	6	40
LJ69002	0.2	90	6	40

THREE FACE ENGRAVING BITS



Good for: Copper, Aluminum, Steel, Marble.

Material: SOLID CARBIDE,

Products must be ordered by adding the Materials Code Number like N, A, AA and 3A.

PART NO	T	A	SHK	OVL
3J3.2001	0.1	20	3.175	38
3J3.3001	0.1	30	3.175	38
3J3.4001	0.1	40	3.175	38
3J3.4501	0.1	45	3.175	38
3J3.4503	0.3	45	3.175	38
3J3.6001	0.1	60	3.175	38
3J3.6002	0.2	60	3.175	38
3J43001	0.1	30	4	40
3J44001	0.1	40	4	40
3J44501	0.1	45	4	40
3J46001	0.1	60	4	40
3J63001	0.1	30	6	40
3J64501	0.1	45	6	40
3J66001	0.1	60	6	40
3J69001	0.1	90	6	40

ONE FLUTE SPIRAL BITS FOR STAINLESS STEEL



Good for: Iron sheet, Galvanized sheet, Stainless steel sheet and so on.

Material: SOLID CARBIDE,

Products must be ordered by adding the Materials Code Number like N5A(N,A), A, AA and 3A .

PART NO	T	A	SHK	OVL
SILX3.06	3.175	6	3.175	38
SILX3.08	3.175	8	3.175	38
SILX408	4	8	4	40
SILX412	4	12	4	40
SILX612	6	12	6	45

ONE FLUTE SPIRAL BITS FOR PURE ALUMINUM



Good for: Low power spindle, high speed rotation above 15000 per minute processing.

Material: SOLID CARBIDE,

Products must be ordered by adding the Materials Code

Number like A, AA and 3A.

PART NO	CED	CEL	SHK	OVL
CL1LX3.1.503	1.5	3	3.175	40
CL1LX3.204	2.0	4	3.175	40
CL1LX3.2.504	2.5	4	3.175	40
CL1LX3.06	3.175	6	3.175	40
CL1LX3.08	3.175	8	3.175	40
CL1LX3.10	3.175	10	3.175	40
CL1LX3.12	3.175	12	3.175	40
CL1LX408	4	8	4	40
CL1LX410	4	10	4	40
CL1LX412	4	12	4	40
CL1LX415	4	15	4	45
CL1LX512	5	12	5	45
CL1LX514	5	14	5	45
CL1LX6308	3.0	8	6	50
CL1LX6410	4.0	10	6	50
CL1LX6514	5.0	14	6	50
CL1LX612	6	12	6	45
CL1LX615	6	15	6	45
CL1LX617	6	17	6	50
CL1LX622	6	22	6	50
CL1LX820	8	20	8	60

TWO FLUTES END MILLS FOR ALUMINU



Good for: High power spindle, low speed rotation less than 12000 per minute processing.

A series are good for processing rigidity up to 45 HRC, AA series are good for processing rigidity up to 50HRC, 3A are good for processing rigidity up to HRC60.

Material: SOLID CARBIDE,

Products must be ordered by adding the Materials Code

Number like A, AA and 3A.

PART NO	CED	CEL	SHK	OVL
SL2LX03	3.0	8	4.0	50
SL2LX04	4.0	10	4.0	50
SL2LX06	6.0	15	6.0	50
SL2LX08	8.0	20	8.0	60
SL2LX10	10.0	25	10.0	75
SL2LX12	12.0	30	12.0	75
SL2LX16	16.0	40	16.0	100
SL2LX18	18.0	40	18.0	100
SL2LX20	20.0	45	20.0	100

HIGHLIGHT FOUR FLUTES END MILLS FOR STAINLESS STEEL



A series are good for processing rigidity up to 45 HRC, AA series are good for processing rigidity up to 50HRC, 3A are good for processing rigidity up to HRC60.

Material: SOLID CARBIDE,

Products must be ordered by adding the Materials Code

Number like A, AA and 3A.

PART NO	CED	CEL	SHK	OVL
GSG4LX03	3.0	8	4.0	50
GSG4LX04	4.0	10	4.0	50
GSG4LX06	6.0	15	6.0	50
GSG4LX08	8.0	20	8.0	60
GSG4LX10	10.0	25	10.0	75
GSG4LX12	12.0	30	12.0	75
GSG4LX14	14.0	35	14.0	100
GSG4LX16	16.0	40	16.0	100
GSG4LX18	18.0	40	18.0	100
GSG4LX20	20.0	45	20.0	100

TWO FLUTES ROUND NOSE END MILLS



A series are good for processing rigidity up to 45 HRC, AA series are good for processing rigidity up to 50HRC, 3A are good for processing rigidity up to HRC60.

Material: SOLID CARBIDE,

Products must be ordered by adding the Materials Code
Number like A, AA and 3A.

PART NO	CED	CEL	R	SHK	OVL
SYLX0200402	2.0	2	R0.2	4.0	50
SYLX0200405	2.0	2	R0.5	4.0	50
SYLX0250402	2.5	5	R0.2	4.0	50
SYLX0250405	2.5	5	R0.5	4.0	50
SYLX0300402	3.0	6	R0.2	4.0	50
SYLX 0300405	3.0	6	R0.5	4.0	50
SYLX03000410	3.0	6	R1.0	4.0	50
SYLX0400402	4.0	8	R0.2	4.0	50
SYLX0400405	4.0	8	R0.5	4.0	50
SYLX0400410	4.0	8	R1.0	4.0	50
SYLX0500602	5.0	10	R0.2	6.0	50
SYLX0500605	5.0	10	R0.5	6.0	50
SYLX0500610	5.0	10	R1.0	6.0	50
SYLX0600602	6.0	12	R0.2	6.0	50
SYLX0600605	6.0	12	R0.5	6.0	50
SYLX 0600610	6.0	12	R1.0	6.0	50
SYLX0800802	8.0	16	R0.2	8.0	60
SYLX0800805	8.0	16	R0.5	8.0	60
SYLX0800810	8.0	16	R1.0	8.0	60
SYLX0800815	8.0	16	R1.5	8.0	60
SYLX1001002	10.0	20	R0.2	10.0	75
SYLX1001005	10.0	20	R0.5	10.0	75
SYLX1001010	10.0	20	R1.0	10.0	75
SYLX1001015	10.0	20	R1.5	10.0	75
SYLX1001020	10.0	20	R2.0	10.0	75
SYLX1201005	12.0	25	R0.5	12.0	75
SYLX1201010	12.0	25	R1.0	12.0	75
SYLX1201015	12.0	25	R1.5	12.0	75
SYLX1201020	12.0	25	R2.0	12.0	75

TWO FLUTES END MILLS



A series are good for processing rigidity up to 45 HRC, AA series are good for processing rigidity up to 50HRC, 3A are good for processing rigidity up to HRC60.				
Material: SOLID CARBIDE,				
Products must be ordered by adding the Materials Code Number like A, AA and 3A .				
PART NO	CED	CEL	SHK	OVL
S2LX01	1.0	3	4.0	50
S2LX015	1.5	4	4.0	50
S2LX02	2.0	5	4.0	50
S2LX025	2.5	6	4.0	50
S2LX03	3.0	8	4.0	50
S2LX035	3.5	9	4.0	50
S2LX04	4.0	10	4.0	50
S2LX05	5.0	13	6.0	50
S2LX06	6.0	15	6.0	50
S2LX07	7.0	20	8.0	60
S2LX08	8.0	20	8.0	60
S2LX09	9.0	25	10.0	75
S2LX10	10.0	25	10.0	75
S2LX12	12.0	30	12.0	75
S2LX14	14.0	35	14.0	100
S2LX16	16.0	40	16.0	100
S2LX18	18.0	40	18.0	100
S2LX20	20.0	45	20.0	100

LONG SHK TWO FLUTES END MILLS



A series are good for processing rigidity up to 45 HRC, AA series are good for processing rigidity up to 50HRC, 3A are good for processing rigidity up to HRC60.

Material: SOLID CARBIDE,

Products must be ordered by adding the Materials Code Number like A, AA and 3A.

PART NO	CED	CEL	SHK	OVL
S2LX01L-A	1.0	4	4.0	75
S2LX01L-B	1.0	4	4.0	100
S2LX04L-A	4	14	4.0	75
S2LX04L-B	4	14	4.0	100
S2LX03L-A	3.0	12	6.0	75
S2LX03L-B	3.0	12	6.0	100
S2LX03L-C	3.0	21	6.0	150
S2LX06L-A	6.0	21	6.0	75
S2LX06L-B	6.0	21	6.0	100
S2LX06L-C	6.0	40	6.0	150
S2LX08L-B	8.0	32	8.0	100
S2LX08L-C	8.0	45	8.0	150
S2LX10L-B	10.0	40	10.0	100
S2LX10L-C	10.0	50	10.0	150
S2LX12L-B	12.0	45	12.0	100
S2LX12L-C	12.0	60	12.0	150
S2LX14L-C	14.0	60	14.0	150
S2LX16L-C	16.0	65	16.0	150
S2LX18L-C	18.0	70	18.0	150
S2LX20L-C	20.0	75	20.0	150

FOUR FLUTES END MILL



A series are good for processing rigidity up to 45 HRC, AA series are good for processing rigidity up to 50HRC, 3A are good for processing rigidity up to HRC60.				
Material: SOLID CARBIDE,				
Products must be ordered by adding the Materials Code				
Number like A, AA and 3A.				
PART NO	CED	CEL	SHK	OVL
S4LX01	1.0	3	4.0	50
S4LX015	1.5	4	4.0	50
S4LX02	2.0	5	4.0	50
S4LX025	2.5	6	4.0	50
S4LX03	3.0	8	4.0	50
S4LX035	3.5	9	4.0	50
S4LX04	4.0	10	4.0	50
S4LX05	5.0	13	6.0	50
S4LX06	6.0	15	6.0	50
S4LX07	7.0	20	8.0	60
S4LX08	8.0	20	8.0	60
S4LX09	9.0	25	10.0	75
S4LX10	10.0	25	10.0	75
S4LX12	12.0	30	12.0	75
S4LX14	14.0	35	14.0	100
S4LX16	16.0	40	16.0	100
S4LX18	18.0	40	18.0	100
S4LX20	20.0	45	20.0	100

LONG SHK FOUR FLUTES END MILLS



A series are good for processing rigidity up to 45 HRC, AA series are good for processing rigidity up to 50HRC, 3A are good for processing rigidity up to HRC60.				
Material: SOLID CARBIDE,				
Products must be ordered by adding the Materials Code				
Number like A, AA and 3A.				
PART NO	CED	CEL	SHK	OVL
S4LX01L-A	1.0	4	4.0	75
S4LX01L-B	1.0	4	4.0	100
S4LX04L-A	4	14	4.0	75
S4LX04L-B	4	14	4.0	100
S4LX03L-A	3.0	12	6.0	75
S4LX03L-B	3.0	12	6.0	100
S4LX03L-C	3.0	21	6.0	150
S4LX06L-A	6.0	21	6.0	75
S4LX06L-B	6.0	21	6.0	100
S4LX06L-C	6.0	21	6.0	150
S4LX08L-B	8.0	32	8.0	100
S4LX08L-C	8.0	32	8.0	150
S4LX10L-B	10.0	40	10.0	100
S4LX10L-C	10.0	50	10.0	150
S4LX12L-B	12.0	45	12.0	100
S4LX12L-C	12.0	60	12.0	150
S4LX14L-C	14.0	60	14.0	150
S4LX16L-C	16.0	65	16.0	150
S4LX18L-C	18.0	70	18.0	150
S4LX20L-C	20.0	75	20.0	150

A=75mm

B=100mm

C=150mm

TWO FLUTES BALL NOSE END MILL



A series are good for processing rigidity up to 45 HRC, AA series are good for processing rigidity up to 50HRC, 3A are good for processing rigidity up to HRC60.				
Material: SOLID CARBIDE,				
Products must be ordered by adding the Materials Code :				
Number like A, AA and 3A .				
PART NO	CED	CEL	SHK	OVL
S2QX01	1.0	3	4.0	50
S2QXR015	1.5	4	4.0	50
S2QX02	2.0	5	4.0	50
S2QX025	2.5	5	4.0	50
S2QX03	3.0	6	4.0	50
S2QX035	3.5	7	4.0	50
S2QX04	4.0	8	4.0	50
S2QX05	5.0	10	6.0	50
S2QX06	6.0	12	6.0	50
S2QX08	8.0	16	8.0	60
S2QX10	10.0	20	10.0	75
S2QX11	11.0	22	12.0	75
S2QX12	12.0	24	12.0	75
S2QX14	14.0	28	14.0	75
S2QX16	16.0	32	16.0	100
S2QX18	18.0	36	18.0	100
S2QX20	20.0	40	20.0	100

LONG SHK TWO FLUTES BALL NOSE END MILL



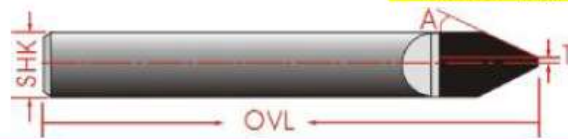
A series are good for processing rigidity up to 45 HRC, AA series are good for processing rigidity up to 50HRC, 3A are good for processing rigidity up to HRC60.				
Material: SOLID CARBIDE,				
Products must be ordered by adding the Materials Code				
Number like A, AA and 3A .				
PART NO	CED	CEL	SHK	OVL
S2QX03L-A	3.0	6	4.0	75
S2QX03L-B	3.0	6	4.0	100
S2QX04L-A	4.0	8	4.0	75
S2QX04L-B	4.0	8	4.0	100
S2QX05L-B	5.0	10	6.0	100
S2QX05L-C	5.0	10	6.0	150
S2QX06L-B	6.0	12	6.0	100
S2QX06L-C	6.0	12	6.0	150
S2QX08L-B	8.0	16	8.0	100
S2QX08L-C	8.0	16	8.0	150
S2QX10L-B	10.0	20	10.0	100
S2QX10L-C	10.0	20	10.0	150
S2QX12L-B	12.0	24	12.0	100
S2QX12L-C	12.0	24	12.0	150
S2QX14L-C	14.0	28	14.0	150
S2QX16L-C	16.0	32	16.0	150
S2QX18L-C	18.0	36	18.0	150
S2QX18L-C	20.0	40	20.0	150

A=75mm

B=100mm

C=150mm

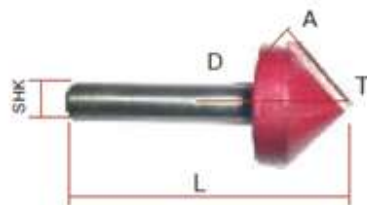
DIAMOND FLAT BOTTOM ENGRAVING BITS



Good for: Flake board, MDF, Log, Veneer board, Laminated board, Aluminum board, Hard wood, Acrylic and so on.

PART NO	2T	2A	SHK	OVL
DJ64502	0.2	45	6	40
DJ64503	0.3	45	6	40
DJ64505	0.5	45	6	40
DJ64510	1.0	45	6	40
DJ66002	0.2	60	6	40
DJ66003	0.3	60	6	40
DJ66005	0.5	60	6	40
DJ66010	1.0	60	6	40
DJ69002	0.2	90	6	40
DJ69005	0.5	90	6	40
DJ612002	0.2	120	6	40

DIAMOND 3D BITS



Good for: Flake board, MDF, Log, Veneer board, Laminated board, Aluminum board, Hard wood, Acrylic and so on.

PARTNO	T	2D	2A	SHK	总长
DV61060	0.2	10	60	6	45
DV61090	0.2	10	90	6	45
DV610120	0.2	10	120	6	45
DV610150	0.2	10	150	6	45
DV61690	0.2	16	90	6	45
DV616120	0.2	16	120	6	45
DV616135	0.2	16	135	6	45
DV616150	0.2	16	150	6	45
DV62060	0.2	20	60	6	45
DV62090	0.2	20	90	6	45
DV620120	0.2	20	120	6	45
DV620135	0.2	20	135	6	45
DV620150	0.2	20	150	6	45
DV62560	0.2	25	60	6	45
DV62590	0.2	25	90	6	45
DV625120	0.2	25	120	6	45
DV625150	0.2	25	150	6	45
DV12.3290	0.2	32	90	12.7	50
DV12.32120	0.2	32	120	12.7	50
DV12.32135	0.2	32	135	12.7	50
DV12.32150	0.2	32	150	12.7	50

DIAMOND FOUR FACE ENGRAVING BITS



Good for: Engraving on Marble and Granite and Super hard stone.

PART NO	-T	A	-CED	-SHK	-OVL
D4J6059002	0.2	90	5	6	45
D4J6051002	0.2	100	5	6	45
D4J60511002	0.2	110	5	6	45

SINTERED DIAMOND END MILLS



Good for: Cutting and Engraving on Marble.

PART NO	-CED	-CEL	-SHK	-OVL
DSJX0610	6.0	10	6	60
DSJX0812	8.0	12	8	80
DSJX1015	10	15	10	100
DSJX1220	12	20	12	100

SINTERED DIAMOND BALL END MILLS



Good for: Diamond rilievo.

PART NO	CED	CEL	SHK	OVL
DSJQX0410	4.0	10	6	60
DSJQX0610	6.0	10	6	60
DSJQX0812	8.0	12	8	80
DSJQX1015	10	15	10	100
DSJQX1220	12	20	12	100

Super hard diamond taper grinding head



编号 PART NO	刀尖-The tip	刃长-CEL	柄径-SHK	总长-OVL
DMV06310	3.0	10	6	
DMV06325	3.0	25	6	
DMV08620	6.0	20	8	

Good for: Marble,Granite,Glass ,Crystal lage engraving

SUPER HARD DIAMOND GRINDING HEAD



Good for: Marble,Granite,Glass ,Crystal lage engraving				
编号 PART NO	刃径-CED	刃长-CEL	柄径-SHK	总长-OVL
DMX0610	6.0	10	6	
DMX0615	6.0	15	6	
DMX0620	6.0	20	6	
DMX0815	8.0	15	8	
DMX0820	8.0	20	8	

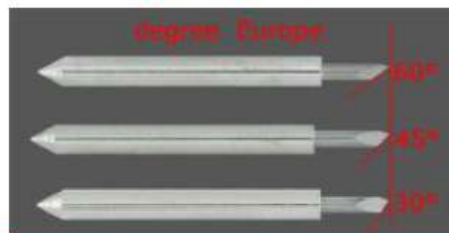


Good for: Marble,Granite,Glass ,Crystal lage engraving			
编号 PART NO	刃径-CED	刃长-CEL	柄径-SHK
DMQX0618	6.0	18	6
DMQX0620	6.0	20	6
DMQX0820	8.0	20	8
DMQX1015	10.0	15	10



Good for: Marble, Granite, Glass ,Crystal lage engraving			
编号 PART NO	刃径-CED	角度-A	柄径-SHK
DMV60860	8.0	60	6
DMV61090	10	90	6
DMV61290	12	90	6
DMV61590	15	90	6
DMV62090	20	90	6
DMV620120	20	120	6
DMV83390	33	90	8







PLOTTER BLADES



Good for: Vinyl, reflective membrane, paper, rubber and so on.

Material: SOLID CARBIDE,

Products must be ordered by adding the Materials Code Number like N, A, AA and 3A .

PART	NAME	PIC
RO-45	罗兰	
RO-60	ROLAND	
RO-30		
RO-45L	大罗兰	
RO-60L	ROLAND	
RO-30L		
MI-37		
MI-56		
MI-30	密码克	
MI-45	MIMAKI	
MI-60		
GR-45		
GR-60	图王-09	
GR-30	GRAPGHTEC	
GR-45L		
GR-60L	大图王	
GR-30L	GRAPGHTEC	
SU-45		
SU-60	圣马	
SU-30	SUMMA	
PU-45		
PU-60	皮卡	
PU-30	PCUT	
AN-45		
AN-60	安娜	
AN-30	ANNA	
IO-45		
IO-60	奥莱	
IO-30	OLE	



PLOTTER BLADES HOLDER




PRAT NO	NAME	PIC
HO-PU	PCUI	
HO-RO	ROLAND	
HO-GR	GRAPHTEC	
IO-GRL	GRAPHTEC	
HO-MI	密码克 MIMAKI	
PH	笔座 PEN HOLDER	

TZDJ



COLLETS&NUTS

PART NO	D	d	PIC
EM11-2	12	2	
EM11-3	12	3	
EM11-3.175	12	3.175	
EM11-4	12	4	
EM11-5	12	5	
EM11-6	12	6	
EM11-6.35	12	6.35	
ER11-2	12	2	
ER11-3	12	3	
ER11-3.175	12	3.175	
ER11-4	12	4	
ER11-5	12	5	
ER11-6	12	6	
ER11-6.35	12	6.35	
ER16-3	17	3	
ER16-3.175	17	3.175	
ER16-4	17	4	
ER16-5	17	5	
ER16-6	17	6	
ER16-6.35	17	6.35	
ER16-8	17	8	
ER16-10	17	10	
ER20-3	21	3	
ER20-3.175	21	3.175	
ER20-4	21	4	
ER20-5	21	5	
ER20-6	21	6	
ER20-6.35	21	6.35	
ER20-8	21	8	
ER20-10	21	10	
ER20-12	21	12	
ER20-12.7	21	12.7	
ER25-3	26	3	
ER25-3.175	26	3.175	
ER25-4	26	4	
ER25-5	26	5	
ER25-6	26	6	
ER25-6.35	26	6.35	
ER25-8	26	8	
ER25-10	26	10	
ER25-12	26	12	
ER25-12.7	26	12.7	
ER25-14	26	14	
ER25-16	26	16	
ER32-3	33	3	
ER32-3.175	33	3.175	


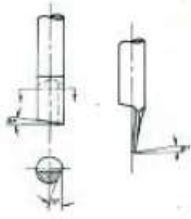
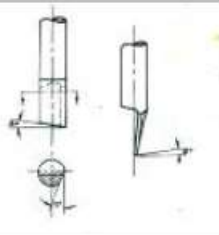
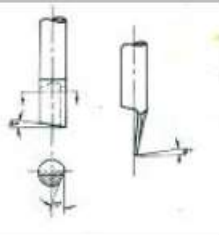
ER32-4	33	4	
ER32-5	33	5	
ER32-6	33	6	
ER32-6.35	33	6.35	
ER32-8	33	8	
ER32-10	33	10	
ER32-12	33	12	
ER32-12.7	33	12.7	
ER32-14	33	14	
ER32-16	33	16	
ER32-18	33	18	
ER32-20	33	20	
ER40-3.175	41	3.175	
ER40-4	41	4	
ER40-5	41	5	
ER40-6	41	6	
ER40-6.35	41	6.35	
ER40-8	41	8	
ER40-10	41	10	
ER40-12	41	12	
ER40-12.7	41	12.7	
ER40-14	41	14	
ER40-16	41	16	
ER40-18	41	18	
ER40-20	41	20	
ER40-25	41	25	
ER11-M14		M14X0.75	
EM11-M14		M14*0.75	
ER16-M22		M22X1.5	
ER20-M25		M25X1.5	
ER16B-M22		M22X1.0	
ER20B-M25		M25X1.0	
ER25-M32		M32X1.5	
ER32-M40		M40X1.5	
CH6-3.175	6	3.175	
CH6-4	6	4	
CH6.35-3.175	6.35	3.175	
CH6.35-4	6.35	4	
JB-3.175		3.175	

Automatic knife handle for engraving machine

BT30-ER25-70L	30	ER25	
BT30-ER32-70L	30	ER32	
BT40-ER25-70L	40	ER25	
BT40-ER32-70L	40	ER32	

CUTTER GRINDER

For high precision work and better efficiency, it is desirable to sharpen your cutters by cutter grinder than simply by hand. TheDJTOL-20A cutter grinder is specially designed for this purpose. Other than surface grinding the cutter grinder can sharpen any cutter to whatever shape you want your cutter to be. Highly efficient, save and easy to handle will surely solve the problem of sharpening cutters for you and thus improve your productivity.

	1	Grinding wheel	Diameter	Φ100mm
			Thickness	50mm
			Hole diameter	Φ20mm
	2		Spindle speed	5200rpm
	3		Collets	Φ3-16mm
		capacity		
	4			140mm
		Longitudinal traverse of index head carrier		
	5		Fine longitudinal adjustment travel of index head carrier	18mm
	6		Fine longitudinal adjustment travel of index head carrier	10mm
	7		Taper angle	0-180°
	8		Negative taper angle	0-52°
	9		Relief angle	0-44°
	10	MOTOR	Power	0.30kw
			Speed	2810rrmp
			Voltage Single-phase	220v
			Frequency	50HZ
	11		Gross weight (kg)	55kg
			Packing dimensions (cm)	48x39x36.5cm
			Drive belt	1PCS
			Drive belt	1PCS
standard accessories			Tools	1 SETS
			320# Diamond Wheel 320#	1pcs
			Diamond pen	1PCS
			Collect	3.175,4,6
			Lamp	1set