PUBLISHED PRODUCT TABLES

D04 / TD04 solid carbide micro drills

Ø0.2 mm minimum cutting diameter by drawing

Confirm the order code, coating, flute length, shank diameter and overall length against the drawing. The published B13 reference codes start at Ø0.3 mm.

View the online model table and request a quote

D04 / TD04 selections

Cutting diameter D (mm)	Uncoated order code	Coated order code	Flute length (mm)	Shank diameter (mm)	Overall length (mm)
0.2	By drawing	By drawing	Confirm	Confirm	Confirm
0.3	D04-0.3	TD04-0.3	5	3.175	38.1
0.4	D04-0.4	TD04-0.4	7	3.175	38.1
0.5	D04-0.5	TD04-0.5	8.5	3.175	38.1
0.6	D04-0.6	TD04-0.6	9.5	3.175	38.1
0.7	D04-0.7	TD04-0.7	9.5	3.175	38.1
0.8	D04-0.8	TD04-0.8	9.5	3.175	38.1
0.9	D04-0.9	TD04-0.9	9.5	3.175	38.1
1.0	D04-1.0	TD04-1.0	10.5	3.175	38.1
1.1	D04-1.1	TD04-1.1	10.5	3.175	38.1
1.2	D04-1.2	TD04-1.2	10.5	3.175	38.1
1.3	D04-1.3	TD04-1.3	12	3.175	38.1
1.4	D04-1.4	TD04-1.4	12	3.175	38.1
1.5	D04-1.5	TD04-1.5	12	3.175	38.1
1.6	D04-1.6	TD04-1.6	12	3.175	38.1
1.7	D04-1.7	TD04-1.7	12	3.175	38.1
1.8	D04-1.8	TD04-1.8	12	3.175	38.1
1.9	D04-1.9	TD04-1.9	12	3.175	38.1
2.0	D04-2.0	TD04-2.0	12	3.175	38.1
2.1	D04-2.1	TD04-2.1	12	3.175	38.1
2.2	D04-2.2	TD04-2.2	12	3.175	38.1

D04 / TD04 reference codes (continued)

Cutting diameter D (mm)	Uncoated order code	Coated order code	Flute length (mm)	Shank diameter (mm)	Overall length (mm)
2.3	D04-2.3	TD04-2.3	12	3.175	38.1
2.4	D04-2.4	TD04-2.4	12	3.175	38.1
2.5	D04-2.5	TD04-2.5	12	3.175	38.1
2.6	D04-2.6	TD04-2.6	12	3.175	38.1
2.7	D04-2.7	TD04-2.7	12	3.175	38.1
2.8	D04-2.8	TD04-2.8	12	3.175	38.1
2.9	D04-2.9	TD04-2.9	12	3.175	38.1
3.0	D04-3.0	TD04-3.0	12	3.175	38.1

Short and long carbide drill comparison at Ø1.0 mm | B1 / B5

Cutting diameter D (mm)	Flute length (mm)	Shank diameter (mm)	Overall length (mm)	Uncoated order code	Coated order code
1.0	6	1.0	26	CDS-1.0×26	CDS-1.0×26N
1.0	12	1.0	34	CD-1.0×34	CD-1.0×34N

Published product tables

PJM / PRX PCD cutters

View the online model table

PCD finish milling cutter (PJM)

Order code	D1 (mm)	L1 (mm)	L (mm)	Blade count	Shank (mm)
PJM-PCD-16	16	5	70	3T	16
PJM-PCD-20	20	5	75	3T	20
PJM-PCD-25	25	5	75	3T	25
PJM-PCD-32	32	6	85	3T	32
PJM-PCD-35	35	6	85	4T	32
PJM-PCD-40	40	8	95	4T	32
PJM-PCD-45	45	8	100	4T	32

PCD radius form milling cutter (PRX)

Order code	R (mm)	D (mm)	L (mm)	Shank (mm)
PRX-R5	5	20	130	16
PRX-R6	6	25	130	20
PRX-R8	8	32	150	25
PRX-R10	10	32	150	32
PRX-R12	12	32	150	32
PRX-R15	15	40	150	32
PRX-R20	20	50	170	32

Published product tables

MCD mirror-finishing tools

View the online model table

MicroDrill MCD mirror-finishing cutter catalog

MicroDrill quote code	Cutting geometry	Cutting Ø (mm)	Radius or chamfer	Shank Ø (mm)	Overall L (mm)	Reference series
MD-MCD-C45-D10	45° chamfer	1.00	45°	3	39	4090
MD-MCD-C45-D15	45° chamfer	1.50	45°	3	39	4090
MD-MCD-C45-D20	45° chamfer	2.00	45°	6	39	4090
MD-MCD-F1-D03	Single-flute end mill	0.30	—	4	30	4200
MD-MCD-F1-D05	Single-flute end mill	0.50	—	6	30	4200
MD-MCD-F1-D10	Single-flute end mill	1.00	—	6	39	4200
MD-MCD-RF-R050	Radius-profile cutter	1.00	R0.50	6	39	4900
MD-MCD-RF-R060	Radius-profile cutter	1.00	R0.60	6	39	4900
MD-MCD-RF-R100	Radius-profile cutter	2.00	R1.00	6	39	4900

Published product tables

LEMD / LEKY indexable cutter bodies

View the online model table

LEMD · A26

Cutter body code	Cutting diameter D (mm)	Flute length (mm)	Overall length (mm)	Shank diameter (mm)	Insert seats	Matching insert	Screw	Driver
LEMD 16	16	85	150	16	2	APMT1135PDER	M2.5×5.8	T8
LEMD 20	20	35	170	20	2	APMT1135PDER	M2.5×5.8	T8
LEMD 25	25	40	210	25	2	APMT1604PDER	M4×10	T15
LEMD 32	32	40	210	32	3	APMT1604PDER	M4×10	T15
LEMD 40	40	73	250	32	4	APMT1604PDER	M4×10	T15
LEMD 50	50	50	250	42	4	APMT1604PDER	M4×10	T15
LEMD 63	63	50	300	42	5	APMT1604PDER	M4×10	T15

LEKY · A27

Cutter body code	Cutting diameter D (mm)	Body length L (mm)	Arbor bore (mm)	Keyway width (mm)	Matching insert	Screw	Driver
LEKY50×22	50	50	22	10.4	APMT1604PDER	M4×10	T15
LEKY63×22	63	50	22	10.4	APMT1604PDER	M4×10	T15
LEKY80×27	80	50	27	12.4	APMT1604PDER	M4×10	T15
LEKY100×32	100	63	32	14.4	APMT1604PDER	M4×5.8	T15

Published manufacturer reference tables

Ball Nose End Mill for Aluminum Machining | AEX Series

View the online model table | Original manufacturer reference

Catalog specifications

Specification	R	Flute length(H)	Shank diameter(d)	Overall Length(L)
2F R0.50X2XD4X50-AEX	0.5	2	4	50
2F R0.75X3XD4X50-AEX	0.8	3	4	50
2F R1.0X4XD3X50-500	1.0	4	3	50
2F R1.0X4XD4X50-AEX	1.0	4	4	50
2F R1.25X5XD4X50-500	1.3	5	4	50
2F R1.25X6XD4X50-AEX	1.3	6	4	50
2F R1.5X6XD3X50-500	1.5	6	3	50
2F R1.5X6XD4X50-AEX	1.5	6	4	50
2F R1.5X6XD6X50-500	1.5	6	6	50
2F R1.75X7XD4X50-500	1.8	7	4	50
2F R2.0X8XD4X50-AEX	2.0	8	4	50
2F R2.0X8XD6X50-AEX	2.0	8	6	50
2F R2.5X10XD5X50-500	2.5	10	5	50
2F R2.5X10XD6X50-AEX	2.5	10	6	50
2F R3.0X12XD6X50-AEX	3.0	12	6	50
2F R4.0X16XD8X60-AEX	4.0	16	8	60
2F R5.0X20XD10X75-AEX	5.0	20	10	75
2F R6.0X25XD12X75-AEX	6.0	25.0	12.0	75
2F R7.0X30X14X100-500	7.0	30.0	14.0	100

Specification	R	Flute length(H)	Shank diameter(d)	Overall Length(L)
2F R8.0X30XD16X100-500	8.0	30.0	16.0	100
2F R8.5X50X18X100-500	8.5	50.0	18.0	100
2F R9.0X30X18X100-500	9.0	30.0	18.0	100
2F R9.5X50X20X100-500	9.5	50.0	20.0	100

Published manufacturer reference tables

BT40-C32 C20 C25 C32 Power Tool Holder

View the online model table | Original manufacturer reference

BT30, BT40 and BT50 holder dimensions

Model	D	D1	L	Collet	Clamping range	Wrench
BT30-C25-90L	25	58	90	C25	3–20	C25
BT40-C32-105L	32	74	105	C32	3–25	C32
BT40-C32-135L	32	74	135	C32	3–25	C32
BT40-C32-165L	32	74	165	C32	3–25	C32
BT50-C32-110L	32	74	110	C32	3–25	C32
BT50-C32-135L	32	74	135	C32	3–25	C32
BT50-C32-165L	32	74	165	C32	3–25	C32
BT50-C32-200L	32	74	200	C32	3–25	C32
BT50-C32-250L	32	74	250	C32	3–25	C32
BT50-C32-300L	32	74	300	C32	3–25	C32
BT50-C32-350L	32	74	350	C32	3–25	C32
BT50-C32-400L	32	74	400	C32	3–25	C32
BT50-C32-450L	32	74	450	C32	3–25	C32
BT50-C32-500L	32	74	500	C32	3–25	C32
BT50-C42-110L	42	74	110	C42	3–32	C42
BT50-C42-135L	42	92	135	C42	3–32	C42
BT50-C42-165L	42	92	165	C42	3–32	C42
BT50-C42-200L	42	92	200	C42	3–32	C42
BT50-C42-250L	42	92	250	C42	3–32	C42

Model	D	D1	L	Collet	Clamping range	Wrench
BT50-C42-300L	42	92	300	C42	3–32	C42
BT50-C42-350L	42	92	350	C42	3–32	C42
BT50-C42-400L	42	92	400	C42	3–32	C42
BT50-C42-450L	42	92	450	C42	3–32	C42
BT50-C42-500L	42	92	500	C42	3–32	C42

Published manufacturer reference tables

Cnc Carbide Inserts DNMG1604-TM-DH1120 For Alloy Steel Up To HRC42

View the online model table | Original manufacturer reference

Catalog specifications

Size	Model	DH1110P	DH1120P	DH1210	DH1220	DP3120	DP3220
DNMG150404/8	DMA	P10 Gold Yellow	P20 Gold Yellow	P10 Black	P20 Black	M20 Grey	M20/P20 Purple
DNMG150404/8	TM	P10 Gold Yellow	P10 Gold Yellow	P10 Black	P20 Black	M20 Grey	M20 Grey
DNMG120404/8	DPM	\	P10 Gold Yellow	P10 Black	P10 Black	\	\
DNMG150604/8	DMA	P10 Gold Yellow	P10 Gold Yellow	P10 Black	P20 Black	M20 Grey	M20 Grey
DNMG150604/08	TM	P10 Gold Yellow	P10 Gold Yellow	P10 Black	P20 Black	M20 Grey	M20 Grey
DNMG150604/08	DPM	\	P10 Gold Yellow	P10 Black	P10 Black	\	\

Published manufacturer reference tables

Cnc Carbide Inserts WNMG080408-DMA-DH1210 For Alloy Steel Up To HRC42

View the online model table | Original manufacturer reference

Catalog specifications

Size	Model	DH1110P	DH1120P	DH1210	DH1220	DP3120	DP3220
WNMG080404/08	DMA	P10 Gold Yellow	P20 Gold Yellow	P10 Black	P20 Black	M20 Grey	M20/P20 Purple
WNMG080404/08	TM	P10 Gold Yellow	P10 Gold Yellow	P10 Black	P20 Black	M20 Grey	M20 Grey
WNMG080404/08	DPM	\	P10 Gold Yellow	P10 Black	P10 Black	\	\
WNMG080404/08	DMA	P10 Gold Yellow	P10 Gold Yellow	P10 Black	P20 Black	M20 Grey	M20 Grey
WNMG080404/08	DTM	P10 Gold Yellow	P10 Gold Yellow	P10 Black	P20 Black	M20 Grey	M20 Grey
WNMG080404/08	DPMK	\	P10 Gold Yellow	P10 Black	P10 Black	\	\

Published manufacturer reference tables

Cnc Machine Carbide Lathe Blade Carbide Inserts WNMG080408-DTF-DH5100 For Hardened Tool Steel Up To HRC55

View the online model table | Original manufacturer reference

Catalog specifications

Size	Model	DH1110P	DH1120P	DH1210	DH1220	DP3120	DP3220
CNMG120404	DMA	P10 Gold Yellow	P20 Gold Yellow	P10 Black	P20 Black	M20 Grey	M20/P20 Purple
CNMG120404	TM	P10 Gold Yellow	P10 Gold Yellow	P10 Black	P20 Black	M20 Grey	M20 Grey
CNMG120404	DPM	\	P10 Gold Yellow	P10 Black	P10 Black	\	\
CNMG160608	DMA	P10 Gold Yellow	P10 Gold Yellow	P10 Black	P20 Black	M20 Grey	M20 Grey
CNMG160612	TM	P10 Gold Yellow	P10 Gold Yellow	P10 Black	P20 Black	M20 Grey	M20 Grey
CNMG160608	DPM	\	P10 Gold Yellow	P10 Black	P10 Black	\	\

Published manufacturer reference tables

DLC coated Carbide drills

View the online model table | Original manufacturer reference

Catalog specifications

Product Code	Blade diameter	Blade Length H (3XD)	Blade Length H (5XD)	Blade Length H (8XD)	Full L (3XD)	Full L (5XD)	Full L (8XD)	Shank D (3XD)	Shank D (5XD)	Shank D (8XD)
EXWL00400	4	24	36	43	66	74	81	6	6	6
EXWL00450	4.5	24	36	43	66	74	81	6	6	6
EXWL00500	5	28	44	57	66	82	95	6	6	6
EXWL00550	5.5	28	44	57	66	82	95	6	6	6
EXWL00600	6	28	44	57	66	82	95	6	6	6
EXWL00650	6.5	34	53	76	79	91	114	8	8	8
EXWL00700	7	34	53	76	79	91	114	8	8	8
EXWL00750	7.5	41	53	76	79	91	116	8	8	8
EXWL00800	8	41	53	76	79	91	116	8	8	8
EXWL00850	8.5	47	61	95	89	103	142	10	10	10
EXWL00P00	9	47	61	95	89	103	142	10	10	10
EXWL00950	9.5	47	61	95	89	103	142	10	10	10
EXWL01000	10	47	61	95	89	103	142	10	10	10
EXWL01050	10.5	55	71	114	102	118	162	12	12	12
EXWL01100	11	55	71	114	102	118	162	12	12	12
EXWL01150	11.5	55	71	114	102	118	162	12	12	12
EXWL01200	12	55	71	114	102	118	162	12	12	12
EXWL01250	12.5	60	77	133	107	124	178	14	14	14

Product Code	Blade diameter	Blade Length H (3XD)	Blade Length H (5XD)	Blade Length H (8XD)	Full L (3XD)	Full L (5XD)	Full L (8XD)	Shank D (3XD)	Shank D (5XD)	Shank D (8XD)
EXWL01300	13	60	77	133	107	124	178	14	14	14
EXWL01350	13.5	60	77	133	107	124	178	14	14	14
EXWL01400	14	60	77	133	107	124	178	14	14	14
EXWL01450	14.5	65	83	152	115	133	204	16	16	16
EXWL01500	15	65	83	152	115	133	204	16	16	16
EXWL01550	15.5	65	83	152	115	133	204	16	16	16
EXWL01800	16	65	83	152	115	133	204	16	16	16
EXWL01850	16.5	73	93	171	123	143	223	18	18	18
EXWL01700	17	73	93	171	123	143	223	18	18	18
EXWL01750	17.5	73	93	171	123	143	223	18	18	18
EXWL01800	18	73	93	171	123	143	223	18	18	18
EXWL01850	18.5	79	101		131	153		20	20	20
EXWL01900	19	79	101		131	153		20	20	20
EXWL01950	19.5	79	101		131	153		20	20	20
EXWL02000	20	79	101		131	153		20	20	20

Published manufacturer reference tables

Dmm semi finishing machining for stainless steel carbide turning inserts

View the online model table | Original manufacturer reference

Chipbreaker applications from the manufacturer guide

Chipbreaker	Workpiece group	Operation
DMM	ISO M	Finishing; semi-finishing

Published manufacturer reference tables

CNC High Quality Tungsten Steel Carbide Drill Bits For Aluminum

View the online model table | Original manufacturer reference

Catalog specifications

Product Code	Blade diameter	Blade Length H (3XD)	Blade Length H (5XD)	Blade Length H (8XD)	Full L (3XD)	Full L (5XD)	Full L (8XD)	Shank D (3XD)	Shank D (5XD)	Shank D (8XD)
EXNJ00400	4	24	36	43	66	74	81	6	6	6
EXNJ00450	4.5	24	36	43	66	74	81	6	6	6
EXNJ00500	5	28	44	57	66	82	95	6	6	6
EXNJ00550	5.5	28	44	57	66	82	95	6	6	6
EXNJ00600	6	28	44	57	66	82	95	6	6	6
EXNJ00650	6.5	34	53	76	79	91	114	8	8	8
EXNJ00700	7	34	53	76	79	91	114	8	8	8
EXNJ00750	7.5	41	53	76	79	91	116	8	8	8
EXNJ00800	8	41	53	76	79	91	116	8	8	8
EXNJ00850	8.5	47	61	95	89	103	142	10	10	10
EXNJ00P00	9	47	61	95	89	103	142	10	10	10
EXNJ00950	9.5	47	61	95	89	103	142	10	10	10
EXNJ01000	10	47	61	95	89	103	142	10	10	10
EXNJ01050	10.5	55	71	114	102	118	162	12	12	12
EXNJ01100	11	55	71	114	102	118	162	12	12	12
EXNJ01150	11.5	55	71	114	102	118	162	12	12	12
EXNJ01200	12	55	71	114	102	118	162	12	12	12
EXNJ01250	12.5	60	77	133	107	124	178	14	14	14

Product Code	Blade diameter	Blade Length H (3XD)	Blade Length H (5XD)	Blade Length H (8XD)	Full L (3XD)	Full L (5XD)	Full L (8XD)	Shank D (3XD)	Shank D (5XD)	Shank D (8XD)
EXNJ01300	13	60	77	133	107	124	178	14	14	14
EXNJ01350	13.5	60	77	133	107	124	178	14	14	14
EXNJ01400	14	60	77	133	107	124	178	14	14	14
EXNJ01450	14.5	65	83	152	115	133	204	16	16	16
EXNJ01500	15	65	83	152	115	133	204	16	16	16
EXNJ01550	15.5	65	83	152	115	133	204	16	16	16
EXNJ01800	16	65	83	152	115	133	204	16	16	16
EXNJ01850	16.5	73	93	171	123	143	223	18	18	18
EXNJ01700	17	73	93	171	123	143	223	18	18	18
EXNJ01750	17.5	73	93	171	123	143	223	18	18	18
EXNJ01800	18	73	93	171	123	143	223	18	18	18
EXNJ01850	18.5	79	101	-	131	153	-	20	20	20
EXNJ01900	19	79	101	-	131	153	-	20	20	20
EXNJ01950	19.5	79	101	-	131	153	-	20	20	20
EXNJ02000	20	79	101	-	131	153	-	20	20	20

Published manufacturer reference tables

External Cooling 2 Flutes Drills

View the online model table | Original manufacturer reference

Catalog specifications

Product Code	Blade diameter	Blade Length H (3XD)	Blade Length H (5XD)	Blade Length H (8XD)	Full L (3XD)	Full L (5XD)	Full L (8XD)	Shank D (3XD)	Shank D (5XD)	Shank D (8XD)
EXWL00400	4	24	36	43	66	74	81	6	6	6
EXWL00450	4.5	24	36	43	66	74	81	6	6	6
EXWL00500	5	28	44	57	66	82	95	6	6	6
EXWL00550	5.5	28	44	57	66	82	95	6	6	6
EXWL00600	6	28	44	57	66	82	95	6	6	6
EXWL00650	6.5	34	53	76	79	91	114	8	8	8
EXWL00700	7	34	53	76	79	91	114	8	8	8
EXWL00750	7.5	41	53	76	79	91	116	8	8	8
EXWL00800	8	41	53	76	79	91	116	8	8	8
EXWL00850	8.5	47	61	95	89	103	142	10	10	10
EXWL00P00	9	47	61	95	89	103	142	10	10	10
EXWL00950	9.5	47	61	95	89	103	142	10	10	10
EXWL01000	10	47	61	95	89	103	142	10	10	10
EXWL01050	10.5	55	71	114	102	118	162	12	12	12
EXWL01100	11	55	71	114	102	118	162	12	12	12
EXWL01150	11.5	55	71	114	102	118	162	12	12	12
EXWL01200	12	55	71	114	102	118	162	12	12	12
EXWL01250	12.5	60	77	133	107	124	178	14	14	14

Product Code	Blade diameter	Blade Length H (3XD)	Blade Length H (5XD)	Blade Length H (8XD)	Full L (3XD)	Full L (5XD)	Full L (8XD)	Shank D (3XD)	Shank D (5XD)	Shank D (8XD)
EXWL01300	13	60	77	133	107	124	178	14	14	14
EXWL01350	13.5	60	77	133	107	124	178	14	14	14
EXWL01400	14	60	77	133	107	124	178	14	14	14
EXWL01450	14.5	65	83	152	115	133	204	16	16	16
EXWL01500	15	65	83	152	115	133	204	16	16	16
EXWL01550	15.5	65	83	152	115	133	204	16	16	16
EXWL01800	16	65	83	152	115	133	204	16	16	16
EXWL01850	16.5	73	93	171	123	143	223	18	18	18
EXWL01700	17	73	93	171	123	143	223	18	18	18
EXWL01750	17.5	73	93	171	123	143	223	18	18	18
EXWL01800	18	73	93	171	123	143	223	18	18	18
EXWL01850	18.5	79	101		131	153		20	20	20
EXWL01900	19	79	101		131	153		20	20	20
EXWL01950	19.5	79	101		131	153		20	20	20
EXWL02000	20	79	101		131	153		20	20	20

Published manufacturer reference tables

Interal Cooling 2 Flutes High Speed Drills

View the online model table | Original manufacturer reference

Catalog specifications

Product Code	Blade diameter	Blade Length H (3XD)	Blade Length H (5XD)	Blade Length H (8XD)	Full L (3XD)	Full L (5XD)	Full L (8XD)	Shank D (3XD)	Shank D (5XD)	Shank D (8XD)
EXNJ00400	4	24	36	43	66	74	81	6	6	6
EXNJ00450	4.5	24	36	43	66	74	81	6	6	6
EXNJ00500	5	28	44	57	66	82	95	6	6	6
EXNJ00550	5.5	28	44	57	66	82	95	6	6	6
EXNJ00600	6	28	44	57	66	82	95	6	6	6
EXNJ00650	6.5	34	53	76	79	91	114	8	8	8
EXNJ00700	7	34	53	76	79	91	114	8	8	8
EXNJ00750	7.5	41	53	76	79	91	116	8	8	8
EXNJ00800	8	41	53	76	79	91	116	8	8	8
EXNJ00850	8.5	47	61	95	89	103	142	10	10	10
EXNJ00P00	9	47	61	95	89	103	142	10	10	10
EXNJ00950	9.5	47	61	95	89	103	142	10	10	10
EXNJ01000	10	47	61	95	89	103	142	10	10	10
EXNJ01050	10.5	55	71	114	102	118	162	12	12	12
EXNJ01100	11	55	71	114	102	118	162	12	12	12
EXNJ01150	11.5	55	71	114	102	118	162	12	12	12
EXNJ01200	12	55	71	114	102	118	162	12	12	12
EXNJ01250	12.5	60	77	133	107	124	178	14	14	14

Product Code	Blade diameter	Blade Length H (3XD)	Blade Length H (5XD)	Blade Length H (8XD)	Full L (3XD)	Full L (5XD)	Full L (8XD)	Shank D (3XD)	Shank D (5XD)	Shank D (8XD)
EXNJ01300	13	60	77	133	107	124	178	14	14	14
EXNJ01350	13.5	60	77	133	107	124	178	14	14	14
EXNJ01400	14	60	77	133	107	124	178	14	14	14
EXNJ01450	14.5	65	83	152	115	133	204	16	16	16
EXNJ01500	15	65	83	152	115	133	204	16	16	16
EXNJ01550	15.5	65	83	152	115	133	204	16	16	16
EXNJ01800	16	65	83	152	115	133	204	16	16	16
EXNJ01850	16.5	73	93	171	123	143	223	18	18	18
EXNJ01700	17	73	93	171	123	143	223	18	18	18
EXNJ01750	17.5	73	93	171	123	143	223	18	18	18
EXNJ01800	18	73	93	171	123	143	223	18	18	18
EXNJ01850	18.5	79	101	-	131	153	-	20	20	20
EXNJ01900	19	79	101	-	131	153	-	20	20	20
EXNJ01950	19.5	79	101	-	131	153	-	20	20	20
EXNJ02000	20	79	101	-	131	153	-	20	20	20

Published manufacturer reference tables

Solid Carbide Micro Flat End Mill

View the online model table | Original manufacturer reference

Catalog specifications

Cutting Diameter (D)	Flute Length (Lc)	Overall Length (L)	Shank Diameter (d)
0.2	0.4	50	3
0.3	0.6	50	3
0.4	0.8	50	3
0.5	1.0	50	3
0.6	1.2	50	3
0.7	1.4	50	3
0.8	1.6	50	3
0.9	1.8	50	3
0.2	0.4	50	4
0.3	0.6	50	4
0.4	0.8	50	4
0.5	1.0	50	4
0.6	1.2	50	4
0.7	1.4	50	4
0.8	1.6	50	4
0.9	1.8	50	4

Published manufacturer reference tables

Dpmk semi finishing machining for steel carbide turning inserts

View the online model table | Original manufacturer reference

Chipbreaker applications from the manufacturer guide

Chipbreaker	Workpiece group	Operation
DPMK	ISO P	Semi-finishing

Published manufacturer reference tables

Dtm semi finishing machining for steel carbide turning inserts

View the online model table | Original manufacturer reference

Chipbreaker applications from the manufacturer guide

Chipbreaker	Workpiece group	Operation
DTM	ISO P; ISO M	Semi-finishing

Published manufacturer reference tables

Roughing Square End Mills

View the online model table | Original manufacturer reference

Catalog specifications

Type	Specification	Flute dia□D□	Flute length	Shank dia□d□	Overall L
Roughing	D6.0X15XD6X50	6.0	15	6	50
Roughing	D8.0X20XD8X60	8.0	20	8	60
Roughing	D10.0X25XD10X75	10.0	25	10	75
Roughing	D12.0X30XD12X75	12.0	30	12	75
Roughing	D16.0X40XD16X100	16.0	40	16	100
Roughing	D20.0X40XD20X100	20.0	40	20	100
Roughing	D6.0X15XD6X100	6.0	15	6	100
Roughing	D8.0X20XD8X100	8.0	20	8	100
Roughing	D10.0X25XD10X100	10.0	25	10	100
Roughing	D12.0X30XD12X100	12.0	30	12	100

Published manufacturer reference tables

Graphite Square End Mill for Finishing and Slotting | MEX Series

View the online model table | Original manufacturer reference

MEX graphite square end mill dimensions (mm)

Model	Cutting diameter D	Length of cut l□	Effective length l□	Neck diameter d□	Overall length L	Shank diameter d
MEX4030-060	3.0	10	–	–	60	3.0
MEX4030-075	3.0	10	–	–	75	3.0
MEX4030-100	3.0	10	–	–	100	3.0
MEX4040-060	4.0	20	–	–	60	4.0
MEX4040-075	4.0	20	–	–	75	4.0
MEX4040-100	4.0	20	–	–	100	4.0
MEX4040-150	4.0	20	–	–	150	4.0
MEX4060-060	6.0	20	20	5.8	60	6.0
MEX4060-075	6.0	20	25	5.8	75	6.0
MEX4060-100	6.0	20	40	5.8	100	6.0
MEX4060-150	6.0	20	60	5.8	150	6.0
MEX4060-200	6.0	20	65	5.8	200	6.0
MEX4080-080	8.0	30	35	7.8	80	8.0
MEX4080-110	8.0	30	50	7.8	110	8.0
MEX4080-150	8.0	30	80	7.8	150	8.0
MEX4080-200	8.0	30	85	7.8	200	8.0
MEX4100-080	10.0	35	40	9.8	80	10.0
MEX4100-110	10.0	35	50	9.8	110	10.0
MEX4100-150	10.0	35	80	9.8	150	10.0

Model	Cutting diameter D	Length of cut l□	Effective length l□	Neck diameter d□	Overall length L	Shank diameter d
MEX4100-200	10.0	35	85	9.8	200	10.0
MEX4120-080	12.0	40	45	11.8	80	12.0
MEX4120-110	12.0	40	50	11.8	110	12.0
MEX4120-150	12.0	40	80	11.8	150	12.0
MEX4120-200	12.0	40	85	11.8	200	12.0
MEX4160-110	16.0	50	60	15.8	110	16.0
MEX4160-150	16.0	50	80	15.8	150	16.0
MEX4160-200	16.0	50	85	15.8	200	16.0

MEX diameter tolerances (mm)

Cutting diameter	Cutting diameter deviation	Shank tolerance
1.0–2.9	0 to −0.02	h6
3.0–6.4	−0.01 to −0.03	h6
6.5–10.9	−0.01 to −0.035	h6
11.0–16.5	−0.01 to −0.04	h6
17.0–20.0	−0.015 to −0.045	h6
20.5–25.0	−0.015 to −0.05	h6

Published manufacturer reference tables

HEX Ball Nose End Mill for Hardened Steel HRC60–68

View the online model table | Original manufacturer reference

Catalog specifications

Specification	R	Flute L	Shank	Overall L
R0.5X2XD3X50L	R0.5	2	3	50
R1.0X4XD3X50L	R1	4	3	50
R0.50X2XD4X50	R0.5	2	4	50
R0.50X2XD6X50	R0.5	2	6	50
R0.75X3XD4X50	R0.75	3	4	50
R0.75X3XD6X50	R0.75	3	6	50
R1.00X4XD4X50	R1	4	4	50
R1.00X4XD6X50	R1	4	6	50
R1.25X5XD4X50	R1.25	5	4	50
R1.25X5XD6X50	R1.25	5	6	50
R1.50X6X3X50	R1.5	6	3	50
R1.50X6XD4X50	R1.5	6	4	50
R1.50X6XD6X50	R1.5	6	6	50
R1.75X7XD4X50	R1.75	7	4	50
R1.75X7XD6X50	R1.75	7	6	50
R2.00X8XD4X50	R2.0	8	4	50
R2.00X8XD6X50	R2.0	8	6	50
R2.25X9XD6X50	R2.25	9	6	50
R2.50X10X5X50	R2.5	10	5	50

Specification	R	Flute L	Shank	Overall L
R2.50X10X6X50	R2.5	10	6	50
R2.50X10X6X60	R2.5	10	6	60
R2.75X11XD6X50	R2.75	11	6	50
R2.50X10XD6X50	R2.5	10	6	50
R3.00X12XD6X50	R3.0	12	6	50
R3.25X13XD8X60	R3.25	13	8	60
R3.50X14XD8X60	R3.5	14	8	60
R3.50X14XD7X60	R3.5	14	7	60
R3.75X15XD8X60	R3.75	15	8	60
R4.00X16XD8X60	R4.0	16	8	60
R4.50X18XD10X75	R4.5	18	10	75
R5.00X20XD10X75	R5.0	20	10	75
R6.00X24XD12X75	R6.0	24	12	75
R7.00X40XD14X100	R7.0	40	14	100
R8.00X40XD16X100	R8.0	40	16	100
R8.00X30XD16X100	R8.0	30	16	100
R9.00X40XD18X100	R9.0	40	18	100
R10.0X40XD20X100	R10.0	40	20	100
R12.5X40XD25X100	R12.5.0	40	25	100

Published manufacturer reference tables

Og2 semi finishing machining for steel carbide positive angle turning inserts

View the online model table | Original manufacturer reference

Chipbreaker applications from the manufacturer guide

Chipbreaker	Workpiece group	Operation
OG2	ISO M	

Published manufacturer reference tables

PCD Diamond Single Flute Ball Nose Milling Cutter

View the online model table | Original manufacturer reference

Catalog specifications

specification	D Dia of shank	d Flute diameter	L full length	L1 Cutting Dia	Blade length	Z Teeth	R radius
DL-XL-501	6	3	50	5--8	3	1	1.5
DL-XL-502	6	3.5	50	5--8	3	1	1.75
DL-XL-503	6	4	50	8--10	4	1	2
DL-XL-504	6	5	50	8--10	5	1	2.5
DL-XL-505	6	6	50	10--15	6	1	3
DL-XL-506	6	7	50	10--15	6	1	3
DL-XL-507	8	8	60	15--20	7	1	3.5
DL-XL-508	8	8.5	60	15--20	8	1	4
DL-XL-509	8	9	60	15--20	8	1	4.25
DL-XL-510	10	10	70	15--20	8	1	4.5
DL-XL-511	10	11	70	15--20	9	1	5
DL-XL-512	12	10	70	18--25	9	1	5.5
DL-XL-513	12	12	70	18--25	10	1	6
DL-XL-514	14	14	70	18--25	10	1	7
DL-XL-515	16	15	70	22--28	1	1	7.5
DL-XL-516	16	16	70	22--28	12	1	8

Published manufacturer reference tables

PCD Spiral Milling Cutter

View the online model table | Original manufacturer reference

Catalog specifications

specification	d Flute dia	H Flute length	L1 Cutting length	D Shank dia	L Overall	Z Teeth
DL-XL-301	2.0	3	5-8	6	50	1 or 2
DL-XL-302	2.5	4	5-8	6	50	1 or 2
DL-XL-303	3.0	5	5-8	6	50	1 or 2
DL-XL-304	3.5	5	5-8	6	50	1 or 2
DL-XL-305	4.0	6	8-10	6	50	1 or 2
DL-XL-306	5.0	6	8-10	6	50	1 or 2
DL-XL-307	6.0	8	10-15	6	50	1 or 2
DL-XL-308	7.0	8	10-15	6	50	1 or 2
DL-XL-309	8.0	10	15-20	8	60	1 or 2
DL-XL-310	8.5	10	15-20	8	60	1 or 2
DL-XL-311	9.0	10	15-20	8	60	1 or 2
DL-XL-312	10.0	12	15-20	10	70	1 or 2
DL-XL-313	11.0	12	15-20	10	70	1 or 2
DL-XL-314	12.0	15	18-25	12	70	1 or 2
DL-XL-315	13.0	15	18-25	12	70	1 or 2
DL-XL-316	14.0	15	18-25	14	70	1 or 2
DL-XL-317	15.0	18	22-28	16	70	1 or 2
DL-XL-318	16.0	18	22-28	16	70	1 or 2

Published manufacturer reference tables

Square End Mill for Carbon Steel Machining up to HRC55 | PEX Series

View the online model table | Original manufacturer reference

Catalog specifications

Cutting Diameter	Flute Length	Overall Length	Shank Diameter
1	3	50	4
2	6	50	4
3	8	50	4
4	11	50	4
5	13	50	6
6	15	50	6
7	17	60	8
8	20	60	8
9	23	75	10
10	25	75	10
11	28	75	12
12	30	75	12

Published manufacturer reference tables

Positive inserts overview

View the online model table | Original manufacturer reference

Workpiece and operation guide

ISO workpiece group	Finishing	Semi-finishing	Roughing
P	DPF; DTF	DPM; DPMK; TM	DPR; DTR
M	DMF	DMM; DMA	DTR
K	—	DZT; GHB	Flat
N	AK	ALH	—

Published manufacturer reference tables

Solid Carbide Micro Ball Nose End Mill

View the online model table | Original manufacturer reference

Catalog specifications

Ball Radius (R)	Flute Length (Lc)	Overall Length (L)	Shank Diameter (d)
R0.15	0.6	50	3
R0.20	0.8	50	3
R0.25	1.0	50	3
R0.30	1.2	50	3
R0.35	1.4	50	3
R0.40	1.6	50	3
R0.15	0.6	50	4
R0.20	0.8	50	4
R0.25	1.0	50	4
R0.30	1.2	50	4
R0.35	1.4	50	4
R0.40	1.6	50	4
R0.45	1.8	50	4

Published manufacturer reference tables

TEX Corner Radius End Mill for Stainless Steel

View the online model table | Original manufacturer reference

Catalog specifications

Specification	Flute dia	R	Flute L	Shank dia	Overall L
D1.0XR0.2X3XD4X50	1.0	0.2	3	4	50
D1.5XR0.2X4XD4X50	1.5	0.2	4	4	50
D1.5XR0.5X4XD4X50	1.5	0.5	4	4	50
D2.0XR0.2X6XD3X50	2.0	0.2	6	4	50
D2.0XR0.2X6XD4X50	2.0	0.2	6	4	50
D2.0XR0.3X6XD4X50	2.0	0.3	6	4	50
D2.0XR0.5X6XD4X50	2.0	0.5	6	4	50
D2.5XR0.2X7XD4X50	2.5	0.2	7	4	50
D2.5XR0.5X7XD4X50	2.5	0.5	7	4	50
D3.0XR0.2X8XD4X50	3.0	0.2	8	4	50
D3.0XR0.3X8XD4X50	3.0	0.3	8	4	50
D3.0XR0.5X8XD3X50	3.0	0.5	8	3	50
D3.0XR0.5X8XD4X50	3.0	0.5	8	4	50
D3.0XR1.0X8XD3X50	3.0	1	8	3	50
D3.0XR1.0X8XD4X50	3.0	1	8	4	50
D4.0XR0.2X11XD4X50	4.0	0.2	11	4	50
D4.0XR0.3X11XD4X50	4.0	0.3	11	4	50
D4.0XR0.5X11XD4X50	4.0	0.5	11	4	50
D4.0XR1.0X11XD4X50	4.0	1	11	4	50

Specification	Flute dia	R	Flute L	Shank dia	Overall L
D5.0XR0.5X13XD5X50	5.0	0.5	13	5	50
D5.0XR0.5X13XD6X50	5.0	0.5	13	6	50
D5.0XR1.0X13XD5X50	5.0	1	13	5	50
D5.0XR1.0X13XD6X50	5.0	1	13	6	50
D6.0XR0.2X15XD6X50	6.0	0.2	15	6	50
D6.0XR0.5X15XD6X50	6.0	0.5	15	6	50
D6.0XR1.0X15XD6X50	6.0	1	15	6	50
D6.0XR1.5X15XD6X50	6.0	1.5	15	6	50
D6.0XR2.0X15XD6X50	6.0	2	15	6	50
D8.0XR0.5X20XD8X60	8.0	0.5	20	8	60
D8.0XR1.0X20XD8X60	8.0	1.0	20	8	60
D8.0XR1.5X20XD8X60	8.0	1.5	20	8	60
D8.0XR2.0X20XD8X60	8.0	2	20	8	60
D10.0XR0.5X25XD10X75	10.0	0.5	25	10	75
D10.0XR1.0X25XD10X75	10.0	1	25	10	75
D10.0XR1.5X25XD10X75	10.0	1.5	25	10	75
D10.0XR2.0X25XD10X75	10.0	2	25	10	75
D10.0XR2.5X25XD10X75	10.0	2.5	25	10	75
D10.0XR3.0X25XD10X75	10.0	3	25	10	75
D12.0XR0.5X30XD12X75	12.0	0.5	30	12	75
D12.0XR1.0X30XD12X75	12.0	1	30	12	75
D12.0XR1.5X30XD12X75	12.0	1.5	30	12	75
D12.0XR2.0X30XD12X75	12.0	2	30	12	75
D12.0XR2.5X30XD12X75	12.0	2.5	30	12	75

Specification	Flute dia	R	Flute L	Shank dia	Overall L
D12.0XR3.0X30XD12X75	12.0	3	30	12	75

Published manufacturer reference tables

Long Neck Ball Nose End Mill

View the online model table | Original manufacturer reference

Catalog specifications

Specification	R	Flute Length(H)	effective L	Shank diameter(d)	Overall Length(L)
R0.15X0.3X1XD4X50L	R0.15	0.3	1	4	50
R0.15X0.3X2XD4X50L	R0.15	0.3	2	4	50
R0.2X0.4X1XD4X50L	R2	0.4	1	4	50
R0.2X0.4X2XD4X50L	R2	0.4	2	4	50
R0.2X0.4X3XD4X50L	R2	0.4	3	4	50
R0.2X0.4X4XD4X50L	R2	0.4	4	4	50
R0.2X0.4X5XD4X50L	R2	0.4	5	4	50
R0.2X0.4X6XD4X50L	R2	0.4	6	4	50
R0.2X0.4X8XD4X50L	R2	0.4	8	4	50
R0.25X0.5X1XD4X50L	R0.25	0.5	1	4	50
R0.25X0.5X2XD4X50L	R0.25	0.5	2	4	50
R0.25X0.5X3XD4X50L	R0.25	0.5	3	4	50
R0.25X0.5X4XD4X50L	R0.25	0.5	4	4	50
R0.25X0.5X5XD4X50L	R0.25	0.5	5	4	50
R0.25X0.5X6XD4X50L	R0.25	0.5	6	4	50
R0.25X0.5X8XD4X50L	R0.25	0.5	8	4	50
R0.25X0.5X10XD4X50L	R0.25	0.5	10	4	50
R0.30X0.6X1XD4X50L	R0.3	0.6	1	4	50
R0.30X0.6X2XD4X50L	R0.3	0.6	2	4	50

Specification	R	Flute Length(H)	effective L	Shank diameter(d)	Overall Length(L)
R0.30X0.6X3XD4X50L	R0.3	0.6	3	4	50
R0.30X0.6X4XD4X50L	R0.3	0.6	4	4	50
R0.30X0.6X5XD4X50L	R0.3	0.6	5	4	50
R0.30X0.6X6XD4X50L	R0.3	0.6	6	4	50
R0.30X0.6X8XD4X50L	R0.3	0.6	8	4	50
R0.30X0.6X10XD4X50L	R0.3	0.6	10	4	50
R0.30X0.6X12XD4X50L	R0.3	0.6	12	4	50
R0.4X0.8X2XD4X50L	R0.4	0.8	2	4	50
R0.40X0.8X4XD4X50L	R0.4	0.8	4	4	50
R0.40X0.8X6XD4X50L	R0.4	0.8	6	4	50
R0.40X0.8X8XD4X50L	R0.4	0.8	8	4	50
R0.40X0.8X10XD4X50L	R0.4	0.8	10	4	50
R0.40X0.8X12XD4X50L	R0.4	0.8	12	4	50
R0.50X1.0X2XD4X50L	R0.5	1	2	4	50
R0.50X1.0X3XD4X50L	R0.5	1	3	4	50
R0.50X1.0X4XD4X50L	R0.5	1	4	4	50
R0.50X1.0X5XD4X50L	R0.5	1	5	4	50
R0.50X1.0X6XD4X50L	R0.5	1	6	4	50
R0.50X1.0X8XD4X50L	R0.5	1	8	4	50
R0.50X1.0X10XD4X50L	R0.5	1	10	4	50
R0.50X1.0X12XD4X50L	R0.5	1	12	4	50
R0.50X1.0X14XD4X50L	R0.5	1	14	4	50
R0.50X1.0X16XD4X50L	R0.5	1	16	4	50
R0.50X1.0X18XD4X50L	R0.5	1	18	4	50

Specification	R	Flute Length(H)	effective L	Shank diameter(d)	Overall Length(L)
R0.50X1.0X20XD4X50L	R0.5	1	20	4	50
R0.50X1.0X22XD4X50L	R0.5	1	22	4	50
R0.60X1.2X4XD4X50L	R0.6	1.2	4	4	50
R0.60X1.2X6XD4X50L	R0.6	1.2	6	4	50
R0.60X1.2X8XD4X50L	R0.6	1.2	8	4	50
R0.60X1.2X10XD4X50L	R0.6	1.2	10	4	50
R0.60X1.2X12XD4X50L	R0.6	1.2	12	4	50
R0.60X1.2X16XD4X50L	R0.6	1.2	16	4	50
R0.60X1.2X20XD4X50L	R0.6	1.2	20	4	50
R0.60X1.2X24XD4X50L	R0.6	1.2	24	4	50
R0.7X1.4X6XD4X50L	R0.7	1.4	6	4	50
R0.7X1.4X8XD4X50L	R0.7	1.4	8	4	50
R0.7X1.4X12XD4X50L	R0.7	1.4	12	4	50
R0.7X1.4X16XD4X50L	R0.7	1.4	16	4	50
R0.75X1.5X3XD4X50L	R0.75	1.5	3	4	50
R0.75X1.5X4XD4X50L	R0.75	1.5	4	4	50
R0.75X1.5X6XD4X50L	R0.75	1.5	6	4	50
R0.75X1.5X8XD4X50L	R0.75	1.5	8	4	50
R0.75X1.5X10XD4X50L	R0.75	1.5	10	4	50
R0.75X1.5X12XD4X50L	R0.75	1.5	12	4	50
R0.75X1.5X14XD4X50L	R0.75	1.5	14	4	50
R0.75X1.5X16XD4X50L	R0.75	1.5	16	4	50
R0.75X1.5X18XD4X50L	R0.75	1.5	18	4	50
R0.75X1.5X20XD4X50L	R0.75	1.5	20	4	50

Specification	R	Flute Length(H)	effective L	Shank diameter(d)	Overall Length(L)
R0.75X1.5X22XD4X50L	R0.75	1.5	22	4	50
R0.75X1.5X25XD4X50L	R0.75	1.5	25	4	50
R0.75X1.5X30XD4X50L	R0.75	1.5	30	4	50
R0.8X1.6X6XD4X50L	R0.8	1.6	6	4	50
R0.8X1.6X8XD4X50L	R0.8	1.6	8	4	50
R0.8X1.6X12XD4X50L	R0.8	1.6	12	4	50
R0.8X1.6X16XD4X50L	R0.8	1.6	16	4	50
R0.8X1.6X20XD4X50L	R0.8	1.6	20	4	50
R0.9X1.8X6XD4X50L	R0.9	1.8	6	4	50
R0.9X1.8X8XD4X50L	R0.9	1.8	8	4	50
R0.9X1.8X12XD4X50L	R0.9	1.8	12	4	50
R0.9X1.8X16XD4X50L	R0.9	1.8	16	4	50
R0.9X1.8X20XD4X50L	R0.9	1.8	20	4	50
R1.0X2.0X4XD4X50L	R1.0	2	4	4	50
R1.0X2.0X6XD4X50L	R1.0	2	6	4	50
R1.0X2.0X8XD4X50L	R1.0	2	8	4	50
R1.0X2.0X10XD4X50L	R1.0	2	10	4	50
R1.0X2.0X12XD4X50L	R1.0	2	12	4	50
R1.0X2.0X14XD4X50L	R1.0	2	14	4	50
R1.0X2.0X16XD4X50L	R1.0	2	16	4	50
R1.0X2.0X18XD4X50L	R1.0	2	18	4	50
R1.0X2.0X20XD4X50L	R1.0	2	20	4	50
R1.0X2.0X22XD4X50L	R1.0	2	22	4	50
R1.0X2.0X25XD4X50L	R1.0	2	25	4	50

Specification	R	Flute Length(H)	effective L	Shank diameter(d)	Overall Length(L)
R1.25X2.5X8XD4X50L	R1.25	2.5	8	4	50
R1.25X2.5X10XD4X50L	R1.25	2.5	10	4	50
R1.25X2.5X16XD4X50L	R1.25	2.5	16	4	50
R1.25X2.5X20XD4X50L	R1.25	2.5	20	4	50
R1.25X2.5X25XD4X50L	R1.25	2.5	25	4	50
R1.25X2.5X30XD4X60L	R1.25	2.5	30	4	50
R1.50X3.0X4XD4X50L	R1.5	3	4	4	50
R1.50X3.0X6XD4X50L	R1.5	3	6	4	50
R1.50X3.0X8XD4X50L	R1.5	3	8	4	50
R1.50X3.0X10XD4X50L	R1.5	3	10	4	50
R1.50X3.0X12XD4X50L	R1.5	3	12	4	50
R1.50X3.0X14XD4X50L	R1.5	3	14	4	50
R1.50X3.0X16XD4X75L	R1.5	3	16	4	75
R1.50X3.0X18XD4X75L	R1.5	3	18	4	75
R1.50X3.0X20XD4X75L	R1.5	3	20	4	75
R1.50X3.0X30XD6X75L	R1.5	3	30	6	75
R2.00X4.0X8XD6X50L	R2	4	8	6	75
R2.00X4.0X10XD6X50L	R2	4	10	6	50
R2.00X4.0X12XD6X50L	R2	4	12	6	50
R2.00X4.0X14XD6X50L	R2	4	14	6	50
R2.00X4.0X16XD6X75L	R2	4	16	6	75
R2.00X4.0X20XD6X75L	R2	4	20	6	75
R2.00X4.0X25XD6X75L	R2	4	25	6	75

Published manufacturer reference tables

Long Neck Corner Radius End Mill

View the online model table | Original manufacturer reference

Catalog specifications

Specification	Flute dia(D)	R	effective L	Shank dia(d)	Overall L(L)
D1.0XR0.2X1.0X4XD4X50L	1	R0.2	4	4	50
D1.0XR0.2X1.0X6XD4X50L	1	R0.2	6	4	50
D1.0XR0.2X1.0X8XD4X50L	1	R0.2	8	4	50
D1.0XR0.2X1.0X10XD4X50L	1	R0.2	10	4	50
D1.0XR0.2X1.0X12XD4X50L	1	R0.2	12	4	50
D1.5XR0.2X1.5X8XD4X50L	1.5	R0.2	8	4	50
D1.5XR0.2X1.5X6XD4X50L	1.5	R0.2	6	4	50
D1.5XR0.2X1.5X10XD4X50L	1.5	R0.2	10	4	50
D1.5XR0.2X1.5X12XD4X50L	1.5	R0.2	12	4	50
D1.5XR0.2X1.5X16XD4X50L	1.5	R0.2	16	4	50
D2.0XR0.2X2.0X6XD4X50	2.0	R0.2	6	4	50
D2.0XR0.2X2.0X8XD4X50L	2.0	R0.2	8	4	50
D2.0XR0.2X2.0X10XD4X50L	2.0	R0.2	10	4	50
D2.0XR0.2X2.0X12XD4X50L	2.0	R0.2	12	4	50
D2.0XR0.2X2.0X16XD4X50L	2.0	R0.2	16	4	50
D2.0XR0.2X2.0X20XD4X50L	2.0	R0.2	20	4	50
D2.0XR0.5X2.0X6XD4X50L	2.0	R0.5	6	4	50
D2.0XR0.5X2.0X8XD4X50L	2.0	R0.5	8	4	50
D2.0XR0.5X2.0X10XD4X50L	2.0	R0.5	10	4	50

Specification	Flute dia(D)	R	effective L	Shank dia(d)	Overall L(L)
D2.0XR0.5X2.0X12XD4X50L	2.0	R0.5	12	4	50
D2.0XR0.5X2.0X25XD4X50L	2.0	R0.5	25	4	50
D3.0XR0.2X3.0X10XD6X50L	3.0	R0.2	10	6	50
D3.0XR0.2X3.0X16XD6X60L	3.0	R0.2	16	6	60
D3.0XR0.2X3.0X20XD6X60L	3.0	R0.2	20	6	60
D3.0XR0.2X3.0X25XD6X60L	3.0	R0.2	25	6	60
D3.0XR0.2X3.0X30XD6X75L	3.0	R0.2	30	6	75
D3.0XR0.2X3.0X35XD6X75L	3.0	R0.2	35	6	75
D3.0XR0.5X3.0X10XD6X50L	3.0	R0.5	10	6	50
D3.0XR0.5X3.0X16XD6X60L	3.0	R0.5	16	6	60
D3.0XR0.5X3.0X20XD6X60L	3.0	R0.5	20	6	60
D3.0XR0.5X3.0X25XD6X60L	3.0	R0.5	25	6	60
D3.0XR0.5X3.0X30XD6X75L	3.0	R0.5	30	6	75
D3.0XR1.0X3X10XD6X50L	3.0	R1.0	10	6	50
D3.0XR1.0X3X16XD6X60L	3.0	R1.0	16	6	60
D3.0XR1.0X3X20XD6X60L	3.0	R1.0	20	6	60
D3.0XR1.0X3X25XD6X60L	3.0	R1.0	25	6	60
D3.0XR1.0X3X30XD6X75L	3.0	R1.0	30	6	75
D3.0XR1.0X3X35XD6X75L	3.0	R1.0	35	6	75
D4.0XR0.1X4X13XD6X50L	4.0	R0.1	13	6	50
D4.0XR0.1X4X16XD6X60L	4.0	R0.1	16	6	60
D4.0XR0.1X4X20XD6X60L	4.0	R0.1	20	6	60
D4.0XR0.1X4X25XD6X60L	4.0	R0.1	25	6	60
D4.0XR0.1X4X30XD6X75L	4.0	R0.1	30	6	75

Specification	Flute dia(D)	R	effective L	Shank dia(d)	Overall L(L)
D4.0XR0.1X4X35XD6X75L	4.0	R0.1	35	6	75
D4.0XR0.2X4X13XD6X50L	4.0	R0.2	13	6	50
D4.0XR0.2X4X16XD6X60L	4.0	R0.2	16	6	60
D4.0XR0.2X4X20XD6X60L	4.0	R0.2	20	6	60
D4.0XR0.2X4X25XD6X60L	4.0	R0.2	25	6	60
D4.0XR0.2X4X30XD6X75L	4.0	R0.2	30	6	75
D4.0XR0.2X4X35XD6X75L	4.0	R0.2	35	6	75
D4.0XR0.3X4X13XD6X50L	4.0	R0.3	13	6	50
D4.0XR0.3X4X16XD6X60L	4.0	R0.3	16	6	60
D4.0XR0.3X4X20XD6X60L	4.0	R0.3	20	6	60
D4.0XR0.3X4X25XD6X60L	4.0	R0.3	25	6	60
D4.0XR0.3X4X30XD6X75L	4.0	R0.3	30	6	75
D4.0XR0.3X4X35XD6X75L	4.0	R0.3	35	6	75
D4.0XR0.5X4X13XD6X50L	4.0	R0.5	13	6	50
D4.0XR0.5X4X16XD6X60L	4.0	R0.5	16	6	60
D4.0XR0.5X4X20XD6X60L	4.0	R0.5	20	6	60
D4.0XR0.5X4X25XD6X60L	4.0	R0.5	25	6	60
D4.0XR0.5X4X30XD6X75L	4.0	R0.5	30	6	75
D4.0XR0.5X4X35XD6X75L	4.0	R0.5	35	6	75
D4.0XR1.0X4X13XD6X50L	4.0	R1.0	13	6	50
D4.0XR1.0X4X16XD6X60L	4.0	R1.0	16	6	60
D4.0XR1.0X4X20XD6X60L	4.0	R1.0	20	6	60
D4.0XR1.0X4X25XD6X60L	4.0	R1.0	25	6	60
D4.0XR1.0X4X30XD6X75L	4.0	R1.0	30	6	75

Specification	Flute dia(D)	R	effective L	Shank dia(d)	Overall L(L)
D4.0XR1.0X4X35XD6X75L	4.0	R1.0	35	6	75
D5.0XR0.1X5X16XD6X60L	5.0	R0.1	16	6	60
D5.0XR0.1X5X30XD6X60L	5.0	R0.1	30	6	60
D5.0XR0.2X5X16XD6X60L	5.0	R0.2	16	6	60
D5.0XR0.2X5X30XD6X60L	5.0	R0.2	30	6	60
D5.0XR0.3X5X16XD6X60L	5.0	R0.3	16	6	60
D5.0XR0.3X5X30XD6X60L	5.0	R0.3	30	6	60
D5.0XR0.5X5X16XD6X60L	5.0	R0.5	16	6	60
D5.0XR0.5X5X30XD6X60L	5.0	R0.5	30	6	60
D5.0XR1.0X5X16XD6X60L	5.0	R1.0	16	6	60
D5.0XR1.0X5X30XD6X60L	5.0	R1.0	30	6	60

Published manufacturer reference tables

Long Neck Square End Mill

View the online model table | Original manufacturer reference

Catalog specifications

Specification	Flute diameter(D)	Flute length(H)	effective Length	Shank diameter(d)	Overall Length(L)
D0.2x0.3x1.0x4.0x50L	0.2	0.3	1	4	50
D0.2x0.3x2.0x4.0x50L	0.2	0.3	2	4	50
D0.3x0.4x1.0xD4.0x50L	0.3	0.4	1	4	50
D0.3x0.4x2.0xD4.0x50L	0.3	0.4	2	4	50
D0.3x0.4x3xD3.0x50L	0.3	0.4	3	3	50
D0.3x0.4x3xD4.0x50L	0.3	0.4	4	4	50
D0.3x0.4x3xD5.0x50L	0.3	0.4	5	5	50
D0.4X0.5X1XD4X50L	0.4	0.5	1	4	50
D0.4X0.5X2XD4X50L	0.4	0.5	2	4	50
D0.4X0.5X3XD4X50L	0.4	0.5	3	4	50
D0.4X0.5X4XD4X50L	0.4	0.5	4	4	50
D0.4X0.5X5XD4X50L	0.4	0.5	5	4	50
D0.4X0.5X6XD4X50L	0.4	0.5	6	4	50
D0.4X0.5X8XD4X50L	0.4	0.5	8	4	50
D0.4X0.5X10XD4X50L	0.4	0.5	10	4	50
D0.5X0.6X2XD4X50	0.5	0.6	2	4	50
D0.5X0.6X3XD4X50L	0.5	0.6	3	4	50
D0.5X0.6X4XD4X50L	0.5	0.6	4	4	50
D0.5X0.6X5XD4X50L	0.5	0.6	5	4	50

Specification	Flute diameter(D)	Flute length(H)	effective Length	Shank diameter(d)	Overall Length(L)
D0.5X0.6X6XD4X50L	0.5	0.6	6	4	50
D0.5X0.6X8XD4X50L	0.5	0.6	8	4	50
D0.5X0.6X10XD4X50L	0.5	0.6	10	4	50
D0.5X0.6X12XD4X50L	0.5	0.6	12	4	50
D0.5X0.6X14XD4X50L	0.5	0.6	14	4	50
D0.6X0.7X2XD4X50L	0.6	0.7	2	4	50
D0.6X0.7X3XD4X50L	0.6	0.7	3	4	50
D0.6X0.7X4XD4X50L	0.6	0.7	4	4	50
D0.6X0.7X5XD4X50L	0.6	0.7	5	4	50
D0.6X0.7X6XD4X50L	0.6	0.7	6	4	50
D0.6X0.7X8XD4X50L	0.6	0.7	8	4	50
D0.6X0.7X10XD4X50L	0.6	0.7	10	4	50
D0.6X0.7X12XD4X50L	0.6	0.7	12	4	50
D0.6X0.7X14XD4X50L	0.6	0.7	14	4	50
D0.6X0.7X16XD4X50L	0.6	0.7	16	4	50
D0.7X0.8X2XD4X50L	0.7	0.8	2	4	50
D0.7X0.8X4XD4X50L	0.7	0.8	4	4	50
D0.7X0.8X6XD4X50L	0.7	0.8	6	4	50
D0.7X0.8X8XD4X50L	0.7	0.8	8	4	50
D0.7X0.8X10XD4X50L	0.7	0.8	10	4	50
D0.7X0.8X12XD4X50L	0.7	0.8	12	4	50
D0.8X1.0X2XD4X50L	0.8	1	2	4	50
D0.8X1.0X4XD4X50L	0.8	1	4	4	50
D0.8X1.0X6XD4X50L	0.8	1	6	4	50

Specification	Flute diameter(D)	Flute length(H)	effective Length	Shank diameter(d)	Overall Length(L)
D0.8X1.0X8XD4X50L	0.8	1	8	4	50
D0.8X1.0X10XD4X50	0.8	1	10	4	50
D0.8X1.0X12XD4X50L	0.8	1	12	4	50
D0.8X1.0X14XD4X50L	0.8	1.1	14	4	50
D0.9X1.1X6XD4X50L	0.9	1.1	6	4	50
D0.9X1.1X8XD4X50L	0.9	1.1	8	4	50
D0.9X1.1X10XD4X50L	0.9	1.1	10	4	50
D1X1.2X2XD4X50L	1	1.2	2	4	50
D1X1.2X3XD4X50L	1	1.2	3	4	50
D1X1.2X4XD4X50L	1	1.2	4	4	50
D1X1.2X5XD4X50L	1	1.2	5	4	50
D1X1.2X6XD4X50L	1	1.2	6	4	50
D1X1.2X8XD4X50L	1	1.2	8	4	50
D1X1.2X10XD4X50L	1	1.2	10	4	50
D1X1.2X12XD4X50L	1	1.2	12	4	50
D1X1.2X14XD4X50L	1	1.2	14	4	50
D1X1.2X16XD4X50L	1	1.2	16	4	50
D1X1.2X18XD4X50L	1	1.2	18	4	50
D1X1.2X20XD4X50L	1	1.2	20	4	50
D1.2X1.5X4XD4X50L	1.2	1.5	4	4	50
D1.2X1.5X6XD4X50L	1.2	1.5	6	4	50
D1.2X1.5X8XD4X50L	1.2	1.5	8	4	50
D1.2X1.5X10XD4X50L	1.2	1.5	10	4	50
D1.2X1.5X12XD4X50L	1.2	1.5	12	4	50

Specification	Flute diameter(D)	Flute length(H)	effective Length	Shank diameter(d)	Overall Length(L)
D1.2X1.5X16XD4X50L	1.2	1.5	16	4	50
D1.2X1.5X20XD4X50L	1.2	1.5	20	4	50
D1.4X1.8X6XD4X50L	1.4	1.8	6	4	50
D1.4X1.8X8XD4X50L	1.4	1.8	8	4	50
D1.4X1.8X10XD4X50L	1.4	1.8	10	4	50
D1.4X1.8X14XD4X50L	1.4	1.8	14	4	50
D1.4X1.8X16XD4X50L	1.4	1.8	16	4	50
D1.4X1.8X20XD4X50L	1.4	1.8	20	4	50
D1.5X1.8X4XD4X50L	1.5	1.8	4	4	50
D1.5X1.8X6XD4X50L	1.5	1.8	6	4	50
D1.5X1.8X8XD4X50L	1.5	1.8	8	4	50
D1.5X1.8X10XD4X50L	1.5	1.8	10	4	50
D1.5X1.8X12XD4X50L	1.5	1.8	12	4	50
D1.5X1.8X14XD4X50L	1.5	1.8	14	4	50
D1.5X1.8X16XD4X50L	1.5	1.8	16	4	50
D1.5X1.8X18XD4X50L	1.5	1.8	18	4	50
D1.5X1.8X20XD4X50L	1.5	1.8	20	4	50
D1.6X1.9X10XD4X50L	1.6	1.9	10	4	50
D1.6X1.9X14XD4X50L	1.6	1.9	14	4	50
D1.6X1.9X18XD4X50L	1.6	1.9	18	4	50
D1.8X2X10XD4X50L	1.8	2	10	4	50
D1.8X2X14XD4X50L	1.8	2	14	4	50
D1.8X2X18XD4X50L	1.8	2	18	4	50
D2.0X2.5X4XD4X50L	2	2.5	4	4	50

Specification	Flute diameter(D)	Flute length(H)	effective Length	Shank diameter(d)	Overall Length(L)
D2.0X2.5X6XD4X50L	2	2.5	6	4	50
D2.0X2.5X8XD4X50L	2	2.5	8	4	50
D2.0X2.5X10XD4X50L	2	2.5	10	4	50
D2.0X2.5X12XD4X50L	2	2.5	12	4	50
D2.0X2.5X14XD4X50L	2	2.5	14	4	50
D2.0X2.5X16XD4X50L	2	2.5	16	4	50
D2.0X2.5X18XD4X50L	2	2.5	18	4	50
D2.0X2.5X20XD4X50L	2	2.5	20	4	50
D2.0X2.5X22XD4X50L	2	2.5	22	4	50
D2.0X2.5X25XD4X50L	2	2.5	25	4	50
D2.0X2.5X30XD4X50L	2	2.5	30	4	50
D2.0X2.5X35XD4X50L	2	2.5	35	4	50
D2.5X3X8XD4X50L	2.5	3	8	4	50
D2.5X3X10XD4X50L	2.5	3	10	4	50
D2.5X3X12XD4X50L	2.5	3	12	4	50
D2.5X3X16XD4X50L	2.5	3	16	4	50
D2.5X3X20XD4X50L	2.5	3	20	4	50
D2.5X3X25XD4X50L	2.5	3	25	4	50
D2.5X3X30XD4X50L	2.5	3	30	4	50
D2.5X3X35XD4X50L	2.5	3	35	4	50
D3.0X3.5X6XD6X50L	3	3.5	6	6	50
D3.0X3.5X8XD6X50L	3	3.5	8	6	50
D3.0X3.5X10XD6X50L	3	3.5	10	6	50
D3.0X3.5X12XD6X50L	3	3.5	12	6	50

Specification	Flute diameter(D)	Flute length(H)	effective Length	Shank diameter(d)	Overall Length(L)
D3.0X3.5X14XD6X50L	3	3.5	14	6	50
D3.0X3.5X16XD6X50L	3	3.5	16	6	50
D3.0X3.5X20XD6X60L	3	3.5	20	6	60
D3.0X3.5X25XD6X60L	3	3.5	25	6	60
D3.0X3.5X30XD6X60L	3	3.5	30	6	75
D3.0X3.5X35XD6X75L	3	3.5	35	6	50
D4.0X4.5X8XD6X50L	4	4.5	8	6	50
D4.0X4.5X10XD6X50L	4	4.5	10	6	50
D4.0X4.5X12XD6X50L	4	4.5	12	6	50
D4.0X4.5X16XD6X50L	4	4.5	16	6	50
D4.0X4.5X20XD6X60L	4	4.5	20	6	60
D4.0X4.5X25XD6X60L	4	4.5	25	6	60
D4.0X4.5X30XD6X60L	4	4.5	30	6	60
D4.0X4.5X35XD6X75L	4	4.5	35	6	75
D5.0X7X16XD6X50L	5	7	16	6	50
D5.0X7X20XD6X60L	5	7	20	6	60
D5.0X7X25XD6X60L	5	7	25	6	60
D5.0X7X30XD6X60L	5	7	30	6	60
D5.0X7X35XD6X75L	5	7	35	6	75
D6.0X10X20XD6X60L	6	10	20	6	60
D6.0X10X30XD6X75L	6	10	30	6	75
D8.0X15X20XD8X60L	8	15	20	8	60
D8.0X15X30XD8X75L	8	15	30	8	75
D8.0X15X40XD8X100L	8	15	40	8	100

Specification	Flute diameter(D)	Flute length(H)	effective Length	Shank diameter(d)	Overall Length(L)
D10.0X20X25XD10X75L	10	20	25	10	75
D10.0X20X35XD10X75L	10	20	35	10	75
D10.0X20X45XD10X100L	10	20	45	10	100
D12.0X25X30XD12X75L	12	25	30	12	75
D12.0X25X45XD12X100L	12	25	45	12	100
D12.0X25X50XD12X100L	12	25	50	12	100

Published manufacturer reference tables

PCD turning and internal machining tools

View the online model table | Original manufacturer reference

External turning tools (mm and °)

Kr°	W1	H	W	L	Er°	R
95	12	10	10	120	70	0.4
95	14	12	12	120	80	0.4
95	16	14	14	120	70	0.4
95	23	20	20	120	90	0.4

Pointed tools (mm and °)

Er°	Kr°	Kr'°	H	W	L	R
90	45	45	10	10	90	0.4
90	45	45	12	12	90	0.4
90	60	30	14	14	100	0.6
90	60	30	16	16	120	0.6

Internal grooving tools (mm and °)

W1	H1	H	W/D	L	d	L1	f	R
3	10	20	20	120	10	30	8	0.4
3	10	20	20	120	10	30	8	0.4
3	7	14	D14	120	16	30	11	0.4
3	10	20	D12	120	16	30	11	0.4

Internal threading tools (mm and °)

Kr°	W1	H1	H	W/D	L	d	L1	Er°	R
95	6	10	20	20	120	10	30	70	0.4
95	6	12.5	25	25	120	10	30	80	0.4
95	9.5	10	20	D20	120	16	30	70	0.4
95	9.5	10	20	D20	120	16	30	90	0.4

Internal hole tools (mm and °)

P	Er°	H1	H	W/D	L	d	L1	f	R
0.5	60	10	20	20	120	12	25	9	0.4
0.75	60	10	20	20	120	15	25	10.5	0.5
1	60	10	20	20	140	18	30	12	0.6
1.25	60	10	20	20	140	18	30	13	0.6