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gives you greater processing efficiency and lower cost.

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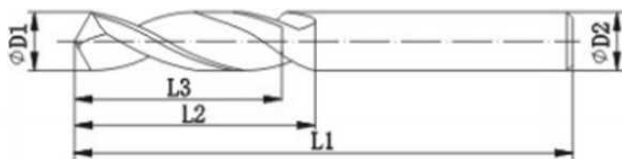


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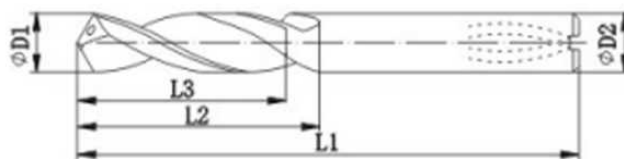
麻花钻 1103B

Twist drill



刃径 Mill Dia.	柄径 Shank Dia..	总长 O.A.L.	槽长 Slot length	刃长 Flute length	订货号 Model No.	
D1	D2	L1	L2	L3	不涂层 Uncoat	涂层 Coat
3.0	3.0	46	16	12	1103B-030	■ 1103B-030T
3.5	3.5	52	20	15	1103B-035	■ 1103B-035T
4.0	4.0	55	22	16	1103B-040	■ 1103B-040T
4.5	4.5	58	24	17	1103B-045	■ 1103B-046T
5.0	5.0	62	26	19	1103B-050	■ 1103B-050T
5.5	5.5	66	28	20	1103B-056	■ 1103B-065T
6.0	6.0	66	28	19	1103B-060	■ 1103B-060T
6.8	6.8	70	31	21	1103B-068	■ 1103B-068T
7.0	7.0	74	34	24	1103B-070	■ 1103B-070T
7.5	7.5	74	34	23	1103B-075	■ 1103B-075T
8.0	8.0	79	37	25	1103B-080	■ 1103B-080T
8.5	8.5	79	37	24	1103B-085	■ 1103B-086T
8.8	8.8	79	37	24	1103B-088	■ 1103B-088T
9.0	9.0	84	40	27	1103B-090	■ 1103B-090T
9.5	9.5	84	40	26	1103B-096	■ 1103B-095T
10.0	10.0	89	43	28	1103B-100	■ 1103B-100T
11.0	11.0	95	47	31	1103B-110	■ 1103B-110T
12.0	12.0	102	51	33	1103B-120	■ 1103B-120T
14.0	14.0	107	54	33	1103B-140	■ 1103B-140T
15.0	15.0	111	56	34	1103B-150	■ 1103B-150T
16.0	16.0	115	58	34	1103B-160	■ 1103B-160T
17.5	17.5	123	62	36	1103B-175	■ 1103B-175T
18.0	18.0	123	62	35	1103B-180	■ 1103B-180T
20.0	20.0	131	66	36	1103B-200	■ 1103B-200T

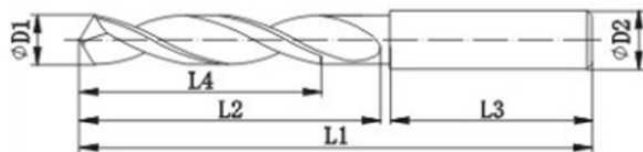
内冷麻花钻 1103A
 Internal coolant twist drill



刃径 Mill Dia.	柄径 Shank Dia.	总长 O.A.L.	槽长 Slot length	刃长 Flute length	订货号 Model No.	
D1	D2	L1	L2	L3	不涂层 Uncoat	涂层 Coat
3.0	3.0	46	16	12	1103A-030	■ 1103A-030T
3.5	3.5	52	20	15	1103A-035	■ 1103A-035T
4.0	4.0	55	22	16	1103A-040	■ 1103A-040T
4.5	4.5	58	24	17	1103A-046	■ 1103A-046T
5.0	5.0	62	26	19	1103A-050	■ 1103A-050T
5.5	5.5	66	28	20	1108A-055	■ 1103A-066T
6.0	6.0	66	28	19	1103A-068	■ 1103A-060T
6.8	6.8	70	31	21	1103A-068	■ 1103A-068T
7.0	7.0	74	34	24	1103A-070	■ 1103A-070T
7.5	7.5	74	34	23	1103A-075	■ 1103A-075T
8.0	8.0	79	37	25	1103A-080	■ 1103A-080T
8.5	8.5	79	37	24	1103A-085	■ 1103A-085T
8.8	8.8	79	37	24	1103A-088	■ 1103A-088T
9.5	9.5	84	40	26	1103A-095	■ 1103A-090T
9.0	9.0	84	40	27	1103A-090	■ 1103A-095T
10.0	10.0	89	43	28	1103A-100	■ 1103A-100T
11.0	11.0	95	47	31	1103A-110	■ 1103A-110T
12.0	12.0	102	51	33	1103A-120	■ 1103A-120T
14.0	14.0	107	54	33	1103A-140	■ 1103A-140T
15.0	15.0	111	56	34	1103A-150	■ 1103A-150T
16.0	16.0	115	58	34	1103A-160	■ 1103A-160T
17.5	17.5	123	62	36	1103A-175	■ 1103A-175T
18.0	18.0	123	62	35	1103A-180	■ 1103A-180T
20.0	20.0	131	66	36	1103A-200	■ 1103A-200T

定柄麻花钻 1100B

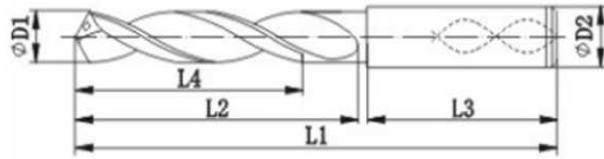
Straight shank twist drill



刃径 Mill Dia.	柄径 Shank Dia.	总长 O.A.L.	槽长 Slot length	柄长 Shank length	刃长 Flute length	订货号 Model No.	
D1	D2	L1	L2	L3	L4	不涂层 Uncoat	涂层 Coat
3	6	66	28	36	23	1100B-030	■ 1100B-030T
4	6	66	28	36	23	1100B-035	■ 1100B-035T
4	6	74	36	36	29	1100B-040	■ 1100B-040T
5	6	74	36	36	29	1100B-045	■ 1100B-045T
5	6	82	44	36	35	1100B-050	■ 1100B-050T
6	6	82	44	36	35	1100B-055	■ 1100B-055T
6	6	82	44	36	35	1100B-060	■ 1100B-060T
7	8	91	63	36	43	1100B-065	■ 1100B-066T
7	8	91	53	36	43	1100B-070	■ 1100B-070T
8	8	91	53	36	43	1100B-075	■ 1100B-075T
8	8	91	53	36	43	1100B-080	■ 1100B-080T
9	10	103	61	40	49	1100B-085	■ 1100B-086T
9	10	103	61	40	49	1100B-090	■ 1100B-090T
10	10	103	61	40	49	1100B-096	■ 1100B-096T
10	10	103	61	40	49	1100B-100	■ 1100B-100T
11	12	118	71	45	56	1100B-110	■ 1100B-110T
12	12	118	71	45	56	1100B-120	■ 1100B-120T
14	14	124	77	45	60	1100B-140	■ 1100B-140T
15	16	133	83	46	63	1100B-150	■ 1100B-150T
16	16	133	83	48	63	1100B-160	■ 1100B-160T
18	18	143	93	48	71	1100B-180	■ 1100B-180T
20	20	153	101	60	77	1100B-200	■ 1100B-200T

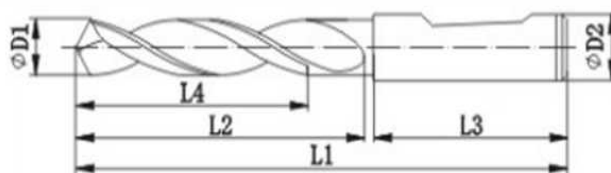
内冷定柄麻花钻 1100A

Internal coolant straight shank twist drill



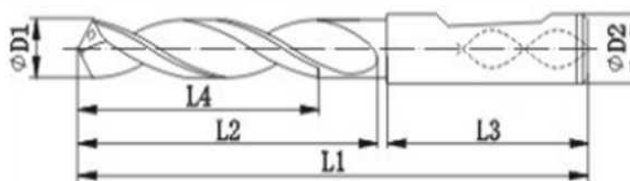
刃径	柄径	总长	槽长	柄长	刃长	订货号	
Mill Dia.	Shank Dia.	O.A.L.	Slot length	Shank length	Flute length	Model No.	
D1	D2	L1	L2	L3	L4	不涂层 Uncoat	涂层 Coat
3	6	66	28	36	23	1100A-030	■ 1100A-030T
4	6	66	28	36	23	1100A-035	■ 1100A-035T
4	6	74	36	36	29	1100A-040	■ 1100A-040T
5	6	74	36	36	29	1100A-046	■ 1100A-045T
5	6	82	44	36	35	1100A-050	■ 1100A-050T
6	6	82	44	36	35	1100A-055	■ 1100A-055T
6	6	82	44	36	35	1100A-060	■ 1100A-060T
7	8	91	63	36	43	1100A-065	■ 1100A-065T
7	8	91	53	36	43	1100A-070	■ 1100A-070T
8	8	91	53	36	43	1100A-075	■ 1100A-075T
8	8	91	53	36	43	1100A-080	■ 1100A-080T
9	10	103	61	40	49	1100A-085	■ 1100A-085T
9	10	103	61	40	49	1100A-090	■ 1100A-090T
10	10	103	61	40	49	1100A-096	■ 1100A-096T
10	10	103	61	40	49	1100A-100	■ 1100A-100T
11	12	118	71	45	56	1100A-110	■ 1100A-110T
12	12	118	71	45	56	1100A-120	■ 1100A-120T
14	14	124	77	45	60	1100A-140	■ 1100A-140T
15	16	133	83	46	63	1100A-150	■ 1100A-150T
16	16	133	83	48	63	1100A-160	■ 1100A-160T
18	18	143	93	48	71	1100A-180	■ 1100A-180T
20	20	153	101	50	77	1100A-200	■ 1100A-200T

斜柄麻花钻 1102A
 Oblique twist drill



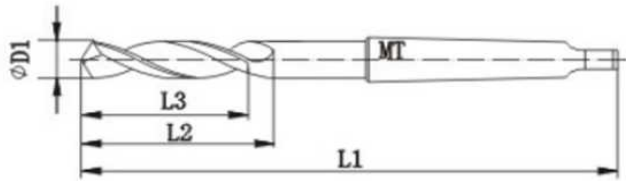
刃径 Mill Dia.	柄径 Shank Dia.	总长 O.A.L.	槽长 Slot length	柄长 Shank length	刃长 Flute length	订货号 Model No.	
D1	D2	L1	L2	L3	L4	不涂层 Uncoat	涂层 Coat
3	6	66	28	36	23	1102A-030	■ 1102A-030T
4	6	66	28	36	23	1102A-036	■ 1102A-035T
4	6	74	36	36	29	1102A-040	■ 1102A-040T
5	6	74	36	36	29	1102A-046	■ 1102A-045T
5	6	82	44	36	35	1102A-050	■ 1102A-050T
6	6	82	44	36	35	1102A-055	■ 1102A-055T
6	6	82	44	36	35	1102A-060	■ 1102A-060T
7	8	91	63	36	43	1102A-065	■ 1102A-065T
7	8	91	53	36	43	1102A-070	■ 1102A-070T
8	8	91	53	36	43	1102A-075	■ 1102A-075T
8	8	91	53	36	43	1102A-080	■ 1102A-080T
9	10	103	61	40	49	1102A-085	■ 1102A-086T
9	10	103	61	40	49	1102A-090	■ 1102A-090T
10	10	103	61	40	49	1102A-096	■ 1102A-096T
10	10	103	61	40	49	1102A-100	■ 1102A-100T
11	12	118	71	45	56	1102A-110	■ 1102A-110T
12	12	118	71	45	56	1102A-120	■ 1102A-120T
14	14	124	77	45	60	1102A-140	■ 1102A-140T
15	16	133	83	46	63	1102A-150	■ 1102A-150T
16	16	133	83	48	63	1102A-160	■ 1102A-160T
18	18	143	93	48	71	1102A-180	■ 1102A-180T
20	20	153	101	60	77	1102A-200	■ 1102A-200T

内冷斜柄麻花钻 1102B
 Internal coolant oblique twist drill



刃径	柄径	总长	槽长	柄长	刃长	订货号	
Mill Dia.	Shank Dia.	O.A.L.	Slot length	Shank length	Flute length	Model No.	
D1	D2	L1	L2	L3	L4	不涂层 Uncoat	涂层 Coat
3	6	66	28	36	23	1102B-030	■ 1102B-030T
4	6	66	28	36	23	1102B-036	■ 1102B-036T
4	6	74	36	36	29	1102B-040	■ 1102B-040T
5	6	74	36	36	29	1102B-045	■ 1102B-045T
5	6	82	44	36	35	1102B-050	■ 1102B-050T
6	6	82	44	36	35	1102B-055	■ 1102B-056T
6	6	82	44	36	35	1102B-060	■ 1102B-060T
7	8	91	63	36	43	1102B-065	■ 1102B-065T
7	8	91	53	36	43	1102B-070	■ 1102B-070T
8	8	91	53	36	43	1102B-075	■ 1102B-075T
8	8	91	53	36	43	1102B-080	■ 1102B-080T
9	10	103	61	40	49	1102B-085	■ 1102B-086T
9	10	103	61	40	49	1102B-090	■ 1102B-090T
10	10	103	61	40	49	1102B-096	■ 1102B-096T
10	10	103	61	40	49	1102B-100	■ 1102B-100T
11	12	118	71	45	56	1102B-110	■ 1102B-110T
12	12	118	71	45	56	1102B-120	■ 1102B-120T
14	14	124	77	45	60	1102B-140	■ 1102B-140T
15	16	133	83	46	63	1102B-150	■ 1102B-150T
16	16	133	83	48	63	1102B-160	■ 1102B-160T
18	18	143	93	48	71	1102B-180	■ 1102B-180T
20	20	153	101	60	77	1102B-200	■ 1102B-200T

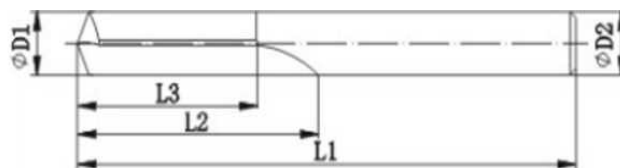
锥柄麻花钻 1106A
Taper shank twist drill



刃径 Mill Dia.	总长 O.A.L.	槽长 Slot length	刃长 Flute length	MT	订货号 Model No.	
D1	L1	L2	L3	NO.	不涂层 Uncoat	涂层 Coat
8.0	135	45	33	1	1106A-080	■ 1106A-080T
8.5	136	45	32	1	1106A-085	■ 1106A-085T
9.0	135	45	32	1	1106A-090	■ 1106A-090T
9.5	136	46	31	1	1106A-095	■ 1106A-095T
10.0	140	60	36	1	1106A-100	■ 1106A-100T
11.0	140	60	34	1	1106A-110	■ 1106A-110T
12.0	146	56	38	1	1106A-120	■ 1106A-120T
14.0	168	63	42	2	1106A-140	■ 1106A-140T
15.0	168	63	41	2	1106A-150	■ 1106A-150T
16.0	175	70	46	2	1106A-160	■ 1106A-160T
18.0	185	80	53	2	1106A-180	■ 1106A-180T
20.0	215	90	60	3	1106A-200	■ 1106A-200T

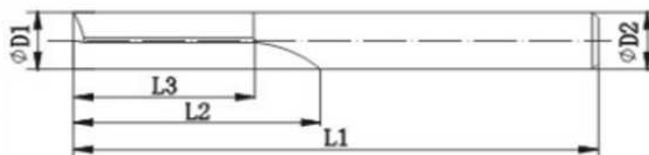
G 钻 1203B

G drill



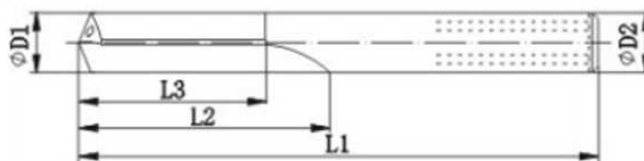
刃径	柄径	总长	槽长	刃长	订货号	
Mill Dia.	Shank Dia.	O.A.L.	Slot length	Flute length	Model No.	
D1	D2	L1	L2	L3	不涂层 Uncoat	涂层 Coat
5.0	5.0	62	26	19	1203B-050	■ 1203B-050T
5.5	5.5	66	28	20	1203B-055	■ 1203B-066T
6.0	6.0	66	28	19	1203B-060	■ 1203B-060T
6.5	6.5	70	31	21	1203B-065	■ 1203B-065T
7.0	7.0	74	34	24	1203B-070	■ 1203B-070T
7.5	7.5	74	34	23	1203B-075	■ 1203B-075T
8.0	8.0	79	37	25	1203B-080	■ 1203B-080T
8.5	8.5	79	37	24	1203B-085	■ 1203B-085T
9.0	9.0	84	40	27	1203B-090	■ 1203B-090T
9.5	9.5	84	40	26	1203B-096	■ 1203B-096T
10.0	10.0	89	43	28	1203B-100	■ 1203B-100T
11.0	11.0	95	47	31	1203B-110	■ 1203B-110T
12.0	12.0	102	51	33	1203B-120	■ 203B - 120T
14.0	14.0	107	54	33	1203B-140	■ 1203B-140T
15.0	15.0	111	56	34	1203B-150	■ 1203B-150T
16.0	16.0	115	58	34	1203B-160	■ 1203B-160T
18.0	18.0	123	62	35	1203B-180	■ 1203B-180T
20.0	20.0	131	66	36	1203B-200	■ 1203B-200T

平底 G 钻 1203D
Flat bottom G drill



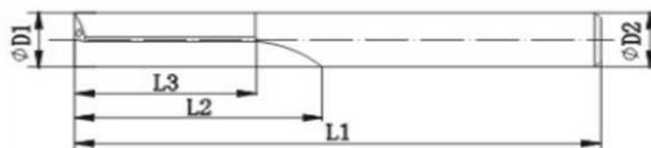
刃径	柄径	总长	槽长	刃长	订货号	
Mill Dia.	Shank Dia.	O.A.L.	Slot length	Flute length	Model No.	
D1	D2	L1	L2	L3	不涂层 Uncoat	涂层 Coat
5.0	5.0	62	26	19	1203D-050	■ 1203D-050T
5.5	5.5	66	28	20	1203D-055	■ 1203D-055T
6.0	6.0	66	28	19	1203D-060	■ 1203D-060T
6.5	6.5	70	31	21	1203D-065	■ 1203D-065T
7.0	7.0	74	34	24	1203D-070	■ 1203D-070T
7.5	7.5	74	34	23	1203D-075	■ 1203D-075T
8.0	8.0	79	37	25	1203D-080	■ 1203D-080T
8.5	8.5	79	37	24	1203D-085	■ 1203D-085T
9.0	9.0	84	40	27	1203D-090	■ 1203D-090T
9.5	9.5	84	40	26	1203D-095	■ 1203D-096T
10.0	10.0	89	43	28	1203D-100	■ 1203D-100T
11.0	11.0	95	47	31	1203D-110	■ 1203D-110T
12.0	12.0	102	51	33	1203D-120	■ 1203D-120T
14.0	14.0	107	54	33	1203D-140	■ 1203D-140T
15.0	15.0	111	56	34	1203D-150	■ 1203D-160T
16.0	16.0	115	58	34	1203D-160	■ 1203D-160T
18.0	18.0	123	62	35	1203D-180	■ 1203D-180T
20.0	20.0	131	66	36	1203D-200	■ 1203D-200T

内冷 G 钻 1203A Internal coolant G drill



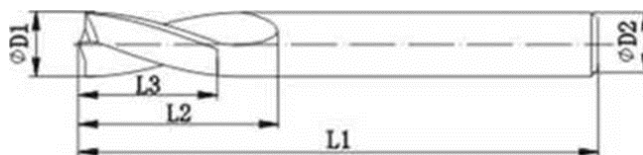
刃径	柄径	总长	槽长	刃长	订货号	
Mill Dia.	Shank Dia.	O.A.L.	Slot length	Flute length	Model No.	
D1	D2	L1	L2	L3	不涂层 Uncoat	涂层 Coat
5.0	5.0	62	26	19	1203A-050	■ 1203A-050T
5.5	5.5	66	28	20	1203A-055	■ 1203A-066T
6.0	6.0	66	28	19	1203A-060	■ 1203A-060T
6.5	6.5	70	31	21	1203A-065	■ 1203A-065T
7.0	7.0	74	34	24	1203A-070	■ 1203A-070T
7.5	7.5	74	34	23	1203A-075	■ 1203A-075T
8.0	8.0	79	37	25	1203A-080	■ 1203A-080T
8.5	8.5	79	37	24	1203A-085	■ 1203A-085T
9.0	9.0	84	40	27	1203A-090	■ 1203A-090T
9.5	9.5	84	40	26	1203A-096	■ 1203A-096T
10.0	10.0	89	43	28	1203A-100	■ 1203A-100T
11.0	11.0	95	47	31	1203A-110	■ 1203A-110T
12.0	12.0	102	51	33	1203A-120	■ 1203A-120T
14.0	14.0	107	54	33	1203A-140	■ 1203A-140T
15.0	15.0	111	56	34	1203A-150	■ 1203A-150T
16.0	16.0	115	58	34	1203A-160	■ 1203A-160T
18.0	18.0	123	62	35	1203A-180	■ 1203A-180T
20.0	20.0	131	66	36	1203A-200	■ 1203A-200T

平底内冷 G 钻 1203C
 Flat bottom G drill



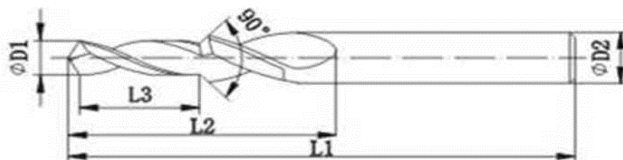
刃径	柄径	总长	槽长	刃长	订货号	
Mill Dia.	Shank Dia.	O.A.L.	Slot length	Flute length	Model No.	
D1	D2	L1	L2	L3	不涂层 Uncoat	涂层 Coat
5.0	5.0	62	26	19	1203C-050	■ 1203C-060T
5.5	5.5	66	28	20	1203C-055	■ 1203C-056T
6.0	6.0	66	28	19	1203C-060	■ 1203C-060T
6.5	6.5	70	31	21	1203C-066	■ 1203C-065T
7.0	7.0	74	34	24	1203C-070	■ 1203C-070T
7.5	7.5	74	34	23	1203C-075	■ 1203C-075T
8.0	8.0	79	37	25	1203C-080	■ 1203C-080T
8.5	8.5	79	37	24	1203C-085	■ 1203C-085T
9.0	9.0	84	40	27	1203C-090	■ 1203C-090T
9.5	9.5	84	40	26	1203C-095	■ 1203C-095T
10.0	10.0	89	43	28	1203C-100	■ 1203C-100T
11.0	11.0	95	47	31	1203C-110	■ 1203C-110T
12.0	12.0	102	51	33	1203C-120	■ 1203C-120T
14.0	14.0	107	54	33	1203C-140	■ 1203C-140T
15.0	15.0	111	56	34	1203C-150	■ 1203C-150T
16.0	16.0	115	58	34	1203C-160	■ 1203C-160T
18.0	18.0	123	62	35	1203C-180	■ 1203C-180T
20.0	20.0	131	66	36	1203C-200	■ 1203C-200T

钻铰刀 1X03A
 Drill reamer



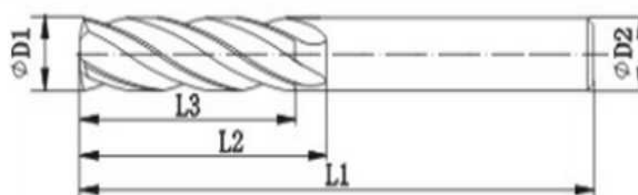
刃径 Mill Dia.	柄径 Shank Dia.	总长 O.A.L.	槽长 Slot length	刃长 Flute length	订货号 Model No.	
D1	D2	L1	L2	L3	不涂层 Uncoat	涂层 Coat
6	6	62	20	11	1X03A-060	■ 1X03A-060T
8	8	79	41	29	1X03A-080	■ 1X03A-080T
10	10	89	49	34	1X03A-100	■ 1X03A-100T
12	12	102	66	37	1X03A-120	■ 1X03A-120T
13	13	106	56	36	1X03A-130	■ 1X03A-130T
14	14	106	56	34	1X03A-140	■ 1X03A-140T
15	15	115	65	43	1X03A-150	■ 1X03A-150T
16	16	115	66	41	1X03A-160	■ 1X03A-160T
17	17	123	73	48	1X03A-170	■ 1X03A-170T
18	18	123	73	46	1X03A-180	■ 1X03A-180T
20	20	131	79	49	1X03A-200	■ 1X03A-200T
22	22	151	93	60	1X03A-220	■ 1X03A-220T
24	24	153	96	60	1X03A-240	■ 1X03A-240T

台阶钻 1113A
 Step drill



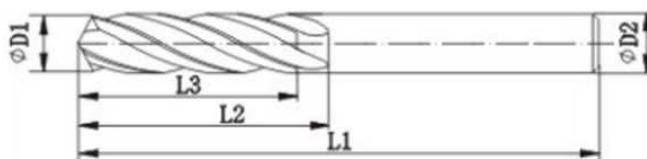
刃径	柄径	总长	槽长	刃长	订货号	
Mill Dia.	Shank Dia.	O.A.L.	Slot length	Flute length	Model No.	
D1	D2	L1	L2	L3	不涂层 Uncoat	涂层 Coat
3.3	6	66	28	11.4	1113A-033	■ 1113A-033T
4.2	6	66	28	13.6	1113A-042	■ 1113A-042T
5.0	8	79	41	16.5	1113A-050	■ 1113A-050T
6.8	10	89	47	21.0	1113A-068	■ 1113A-068T
8.5	12	102	55	25.5	1113A-085	■ 1113A-085T
10.2	14	107	60	30.0	1113A-102	■ 1113A-102T
12.0	16	115	65	34.5	1113A-120	■ 1113A-120T
14.0	18	123	73	38.5	1113A-140	■ 1113A-140T

三刃扩孔钻 1403A Three-flute reaming drill



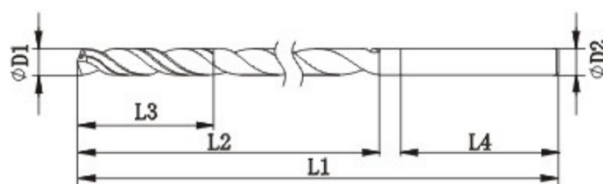
刃径 Mill Dia.	柄径 Shank Dia.	总长 O.A.L.	槽长 Slot length	刃长 Flute length	订货号 Model No.	
D1	D2	L1	L2	L3	不涂层 Uncoat	涂层 Coat
3	3	46	16	12	1403A-030	■ 1403A-030T
4	4	52	20	15	1403A-036	■ 1403A-035T
4	4	55	22	16	1403A-040	■ 1403A-040T
5	5	58	24	17	1403A-045	■ 1403A-045T
5	5	62	26	19	1403A-050	■ 1403A-050T
6	6	66	28	20	1403A-055	■ 1403A-055T
6	6	66	28	19	1403A-060	■ 1403A-060T
7	7	70	31	21	1403A-065	■ 1403A-068T
7	7	74	34	24	1403A-070	■ 1403A-070T
8	8	74	34	23	1403A-075	■ 1403A-075T
8	8	79	37	25	1403A-080	■ 1403A-080T
9	9	79	37	24	1403A-085	■ 1403A-086T
9	9	84	40	27	1403A-090	■ 1403A-090T
10	10	84	40	26	1403A-096	■ 1403A-096T
10	10	89	43	28	1403A-100	■ 1403A-100T
11	11	95	47	31	1403A-110	■ 1403A-110T
12	12	102	51	33	1403A-120	■ 1403A-120T
14	14	107	54	33	1403A-140	■ 1403A-140T
15	15	111	56	34	1403A-150	■ 1403A-150T
16	16	115	58	34	1403A-160	■ 1403A-160T
18	18	123	62	35	1403A-180	■ 1403A-180T
20	20	131	66	36	1403A-200	■ 1403A-200T

三刃钻 1303A Three-flute drill



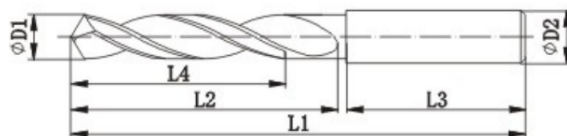
刃径	柄径	总长	槽长	刃长	订货号	
Mill Dia.	Shank Dia.	O.A.L.	Slot length	Flute length	Model No.	
D1	D2	L1	L2	L3	不涂层 Uncoat	涂层 Coat
3	3	46	16	12	1303A-030	■ 1303A-030T
4	4	52	20	15	1303A-036	■ 1303A-035T
4	4	55	22	16	1303A-040	■ 1303A-040T
5	5	58	24	17	1303A-045	■ 1303A-045T
5	5	62	26	19	1303A-050	■ 1303A-050T
6	6	66	28	20	1303A-055	■ 1303A-055T
6	6	66	28	19	1303A-060	■ 1303A-060T
7	7	70	31	21	1303A-065	■ 1303A-068T
7	7	74	34	24	1303A-070	■ 1303A-070T
8	8	74	34	23	1303A-075	■ 1303A-075T
8	8	79	37	25	1303A-080	■ 1303A-080T
9	9	79	37	24	1303A-086	■ 1303A-086T
9	9	84	40	27	1303A-090	■ 1303A-090T
10	10	84	40	26	1303A-096	■ 1303A-096T
10	10	89	43	28	1303A-100	■ 1303A-100T
11	11	95	47	31	1303A-110	■ 1303A-110T
12	12	102	51	33	1303A-120	■ 1303A-120T
14	14	107	54	33	1303A-140	■ 1303A-140T
15	15	111	56	34	1303A-150	■ 1303A-150T
16	16	115	58	34	1303A-160	■ 1303A-160T
18	18	123	62	36	1303A-180	■ 1303A-180T
20	20	131	66	36	1303A-200	■ 1303A-200T

深孔麻花钻 1103S Deep hole twist drill



刃径 Mill Dia.	柄径 Shank Dia.	总长 O.A.L.	槽长 Slot length	柄长 Shank length	刃长 Flute length	订货号 Model No.	
D1	D2	L1	L2	L3	L4	不涂层 Uncoat	涂层 Coat
6.0	6	95	57	48	36	1103S-060	■ 1103S-060T
6.5	8	114	76	64	36	1103S-065	■ 1103S-065T
7.0	8	114	76	64	36	1103S-070	■ 1103S-070T
7.5	8	114	76	64	36	1103S-075	■ 1103S-075T
8.0	8	114	76	64	36	1103S-080	■ 1103S-080T
8.5	10	142	95	80	40	1103S-085	■ 1103S-085T
9.0	10	142	96	80	40	1103S-090	■ 1103S-090T
9.5	10	142	95	80	40	1103S-095	■ 1103S-095T
10.0	10	142	95	80	40	1103S-100	■ 1103S-100T
10.5	12	162	114	96	45	1103S-105	■ 1103S-106T
11.0	12	162	114	96	45	1103S-110	■ 1103S-110T
11.5	12	162	114	96	45	1103S-115	■ 1103S-115T
12.0	12	162	114	96	45	1103S-120	■ 1103S-120T
12.5	14	178	133	112	45	1103S-125	■ 1103S-125T
13.0	14	178	133	112	45	1103S-130	■ 1103S-130T
13.5	14	178	133	112	45	1103S-135	■ 1103S-135T
14.0	14	178	133	112	45	1103S-140	■ 1103S-140T
14.5	16	203	152	128	46	1103S-146	■ 1103S-145T
15.0	16	203	152	128	48	1103S-150	■ 1103S-150T
15.5	16	203	152	128	48	1103S-155	■ 1103S-156T
16.0	16	203	152	128	46	1103S-160	■ 1103S-160T
17.0	18	222	171	144	48	1103S-170	■ 1103S-170T
18.0	18	222	171	144	48	1103S-180	■ 1103S-180T
19.0	20	243	190	160	50	1103S-190	■ 1103S-190T
20.0	20	243	190	160	50	1103S-200	■ 1103S—200T

双刃带麻花钻 1100F Double-edged twist drill



刃径 Mill Dia.	柄径 Shank Dia.	总长 O.A.L.	槽长 Slot length	柄长 Shank length	刃长 Flute length	订货号 Model No.	
D1	D2	L1	L2	L3	L4	不涂层 Uncoat	涂层 Coat
3	6	66	28	36	23	1100F-030	■ 1100F-030T
4	6	66	28	36	23	1100F-035	■ 1100F-035T
4	6	74	36	36	29	1100F-040	■ 1100F-040T
5	6	74	36	36	29	1100F-045	■ 1100F-045T
5	6	82	44	36	35	1100F-050	■ 1100F-050T
6	6	82	44	36	35	1100F-055	■ 1100F-055T
6	6	82	44	36	35	1100F-060	■ 1100F-060T
7	8	91	63	36	43	1100F-065	■ 1100F-065T
7	8	91	53	36	43	1100F-070	■ 1100F-070T
8	8	91	53	36	43	1100F-075	■ 1100F-075T
8	8	91	53	36	43	1100F-080	■ 1100F-080T
9	10	103	61	40	49	1100F-085	■ 1100F-085T
9	10	103	61	40	49	1100F-090	■ 1100F-090T
10	10	103	61	40	49	1100F-096	■ 1100F-095T
10	10	103	61	40	49	1100F-100	■ 1100F-100T
11	12	118	71	45	56	1100F-110	■ 1100F-110T
12	12	118	71	45	56	1100F-120	■ 1100F-120T
14	14	124	77	45	60	1100F-140	■ 1100F-140T
15	16	133	83	48	63	1100F-150	■ 1100F-150T
16	16	133	83	48	63	1100F-160	■ 1100F-160T
18	18	143	93	48	71	1100F-180	■ 1100F-180T

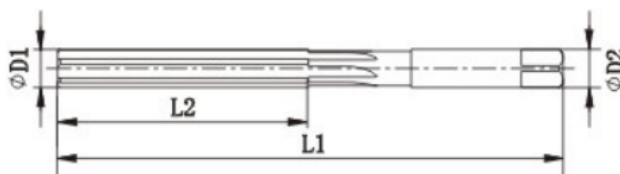
内冷双刃带麻花钻 1100G

Internal coolant double-edged twist drill



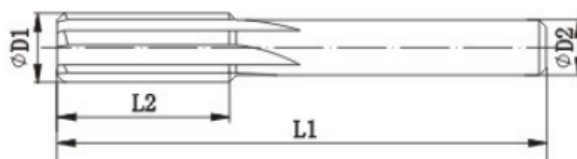
刃径 Mill Dia.	柄径 Shank Dia.	总长 O.A.L.	槽长 Slot length	柄长 Shank length	刃长 Flute length	订货号 Model No.	
D1	D2	L1	L2	L3	L4	不涂层 Uncoat	涂层 Coat
3	6	66	28	36	23	1100G-030	■ 1100G-030T
4	6	66	28	36	23	1100G-035	■ 1100G-036T
4	6	74	36	36	29	1100G-040	■ 1100G-040T
5	6	74	36	36	29	1100G-045	■ 1100G-046T
5	6	82	44	36	35	1100G-050	■ 1100G-050T
6	6	82	44	36	35	1100G-056	■ 1100G-055T
6	6	82	44	36	35	1100G-060	■ 1100G-060T
7	8	91	63	36	43	1100G-065	■ 1100G-065T
7	8	91	53	36	43	1100G-070	■ 1100G-070T
8	8	91	53	36	43	1100G-075	■ 1100G-075T
8	8	91	53	36	43	1100G-080	■ 1100G-080T
9	10	103	61	40	49	1100G-085	■ 1100G-085T
9	10	103	61	40	49	1100G-090	■ 1100G-090T
10	10	103	61	40	49	1100G-095	■ 1100G-095T
10	10	103	61	40	49	1100G-100	■ 1100G-100T
11	12	118	71	45	56	1100G-110	■ 1100G-110T
12	12	118	71	45	56	1100G-120	■ 1100G-120T
14	14	124	77	45	60	1100G-140	■ 1100G-140T
15	16	133	83	4B	63	1100G-160	■ 1100G-150T
16	16	133	83	48	63	1100G-160	■ 1100G-160T
18	18	143	93	48	71	1100G-180	■ 1100G-180T
20	20	153	101	50	77	1100G-200	■ 1100G-200T

手用铰刀 2105A Hand reamer



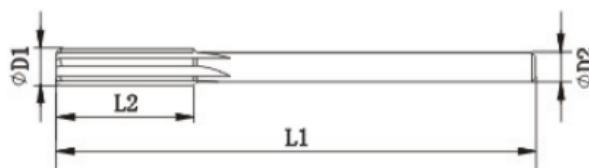
刃径 Mill Dia.	柄径 Shank Dia.	总长 O.A.L.	刃长 Flute length	扁尾 Flat tail	刃数 Flute No.	订货号 Model No.	
D1	D2	L1	L2	SW	Z	不涂层 Uncoated	涂层 Coated
5	5	87	44	3.8	4	2105A-050	■ 2105A-050T
6	6	93	47	4.9	4	2105A-060	■ 2105A-060T
7	7	107	54	5.5	4	2105A-070	■ 2105A-070T
8	8	115	58	6.2	4	2105A-080	■ 2105A-080T
9	9	124	62	7.0	4	2105A-090	■ 2105A-090T
10	10	133	66	8.0	6	2105A-100	■ 2105A-100T
11	11	142	71	9.0	6	2105A-110	■ 2105A-110T
12	12	152	76	9.0	6	2105A-120	■ 2105A-120T
13	13	152	76	10.0	6	2105A-130	■ 2105A-130T
14	14	163	81	11.0	6	2105A-140	■ 2105A-140T
15	15	163	81	12.0	6	2105A-150	■ 2105A-150T
16	16	175	87	12.0	6	2105A-160	■ 2105A-160T
17	17	175	87	13.0	6	2105A-170	■ 2105A-170T
18	18	188	93	14.5	6	2105A-180	■ 2105A-180T
19	19	188	93	14.5	6	2105A-190	■ 2105A-190T
20	20	201	100	16.0	6	2105A-200	■ 2105A-200T

机用铰刀 2103A Machine reamer



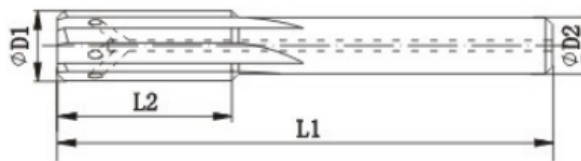
刃径 Mill Dia.	柄径 Shank length	总长 O.A.L.	刃长 Flute length	刃数 Flute No.	订货号 Model No.	
D1	D2	L1	L2	Z	不涂层 Uncoated	涂层 Coated
5	4.0	63	22	4	2103A-050	■ 2103A-050T
6	5.0	63	22	4	2103A-060	■ 2103A-060T
7	6.3	71	25	4	2103A-070	■ 2103A-070T
8	6.3	71	25	4	2103A-080	■ 2103A-080T
9	8.0	71	25	4	2103A-090	■ 2103A-090T
10	8.0	71	25	6	2103A-100	■ 2103A-100T
11	10.0	80	28	6	2103A-110	■ 2103A-110T
12	10.0	80	28	6	2103A-120	■ 2103A-120T
14	12.5	90	32	6	2103A-140	■ 2103A-140T
15	12.5	90	32	6	2103A-150	■ 2103A-160T
16	12.5	90	32	6	2103A-160	■ 2103A-160T
18	16.0	100	36	6	2103A-180	■ 2103A-180T
20	16.0	100	36	6	2103A-200	■ 2103A-200T

机用长铰刀 2103L Long machine reamer



刃径 Mill Dia.	柄径 Shank length	总长 O.A.L.	刃长 Flute length	刃数 Flute No.	订货号 Model No.	
D1	D2	L1	L2	Z	不涂层 Uncoated	涂层 Coated
5	4.0	93	26	4	2103L-050	■ 2103L-050T
6	5.0	93	26	4	2103L-060	■ 2103L-060T
7	6.3	109	31	4	2103L-070	■ 2103L-070T
8	6.3	117	33	4	2103L-080	■ 2103L-080T
9	8.0	125	36	4	2103L-090	■ 2103L-090T
10	8.0	133	38	6	2103L-100	■ 2103L-100T
11	10.0	142	41	6	2103L-110	■ 2103L-110T
12	10.0	151	44	6	2103L-120	■ 2103L-120T
14	12.5	160	47	6	2103L-140	■ 2103L-140T
15	12.5	162	50	6	2103L-150	■ 2103L-150T
16	12.5	170	52	6	2103L-160	■ 2103L-160T
18	16.0	182	56	6	2103L-180	■ 2103L-180T
20	16.0	192	60	6	2103L-200	■ 2103L-200T

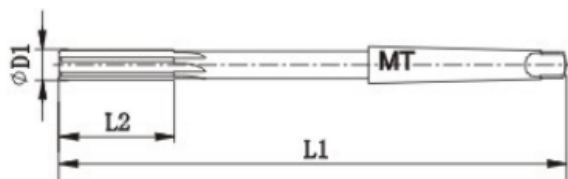
内冷机铰刀 2103N Internal coolant machine reamer



刃径 Mill Dia.	柄径 Shank length	总长 O.A.L.	刃长 Flute length	刃数 Flute No.	订货号 Model No.	
D1	D2	L1	L2	Z	不涂层 Uncoated	涂层 Coated
5	4.0	63	22	4	2103N-050	■ 2103N-050T
6	5.0	63	22	4	2103N-060	■ 2103N-060T
7	6.3	71	25	4	2103N-070	■ 2103N-070T
8	6.3	71	25	4	2103N-080	■ 2103N-080T
9	8.0	71	25	4	2103N-090	■ 2103N-090T
10	8.0	71	25	6	2103N-100	■ 2103N-100T
11	10.0	80	28	6	2103N-110	■ 2103N-110T
12	10.0	80	28	6	2103N-120	■ 2103N-120T
14	12.5	90	32	6	2103N-140	■ 2103N-140T
15	12.5	90	32	6	2103N-150	■ 2103N-150T
16	12.5	90	32	6	2103N-160	■ 2103N-160T
18	16.0	100	36	6	2103N-180	■ 2103N-180T
20	16.0	100	36	6	2103N-200	■ 2103N-200T

锥柄机用铰刀 2106A

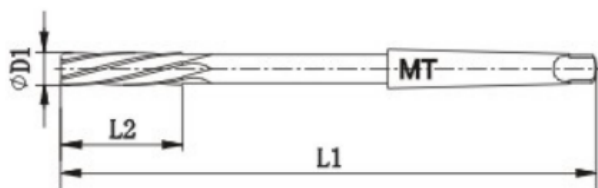
Taper shank reamer with straight flute



刃径 Mill Dia.	总长 O.A.L.	刃长 Flute length	MT	刃数 Flute No.	订货号 Model No.	
D1	L1	L2	NO.	Z	不涂层 Uncoated	涂层 Coated
5	133	23	1	4	2106A-050	■ 2106A-050T
6	138	26	1	4	2106A-060	■ 2106A-060T
7	160	31	1	4	2106A-070	■ 2106A-070T
8	166	33	1	4	2106A-080	■ 2106A-080T
9	162	36	1	4	2106A-090	■ 2106A-090T
10	168	38	1	6	2106A-100	■ 2106A-100T
11	175	41	1	6	2106A-110	■ 2106A-110T
12	182	44	1	6	2106A-120	■ 2106A-120T
13	182	44	1	6	2106A-130	■ 2106A-130T
14	189	47	1	6	2106A-140	■ 2106A-140T
15	204	50	2	6	2106A-150	■ 2106A-150T
16	210	52	2	6	2106A-160	■ 2106A-160T
17	214	54	2	6	2106A-170	■ 2106A-170T
18	219	56	2	6	2106A-180	■ 2106A-180T
19	223	58	2	6	2106A-190	■ 2106A-190T
20	228	60	2	6	2106A-200	■ 2106A-200T

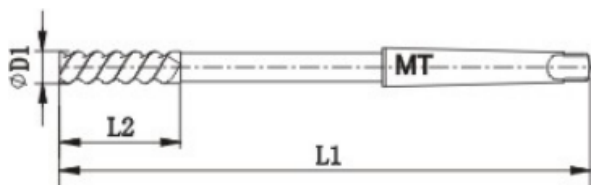
锥柄机用铰刀 2126A

Taper shank reamer with spiral flute



刃径 Mill Dia.	总长 O.A.L.	刃长 Flute length	MT	刃数 Flute No.	订货号 Model No.	
D1	L1	L2	NO.	z	不涂层 Uncoated	涂层 Coated
5	133	23	1	4	2126A-050	■ 2126A-050T
6	138	26	1	4	2126A-060	■ 2126A-060T
7	150	31	1	4	2126A-070	■ 2126A-070T
8	156	33	1	4	2126A-080	■ 2126A-080T
9	162	36	1	4	2126A-090	■ 2126A-090T
10	168	38	1	6	2126A-100	■ 2126A-100T
11	175	41	1	6	2126A-110	■ 2126A-110T
12	182	44	1	6	2126A-120	■ 2126A-120T
13	182	44	1	6	2126A-130	■ 2126A-130T
14	189	47	1	6	2126A-140	■ 2126A-140T
15	204	50	2	6	2126A-150	■ 2126A-150T
16	210	52	2	6	2126A-160	■ 2126A-160T
17	214	54	2	6	2126A-170	■ 2126A-170T
18	219	56	2	6	2126A-180	■ 2126A-180T
19	223	58	2	6	2126A-190	■ 2126A-190T
20	228	60	2	6	2126A-200	■ 2126A-200T

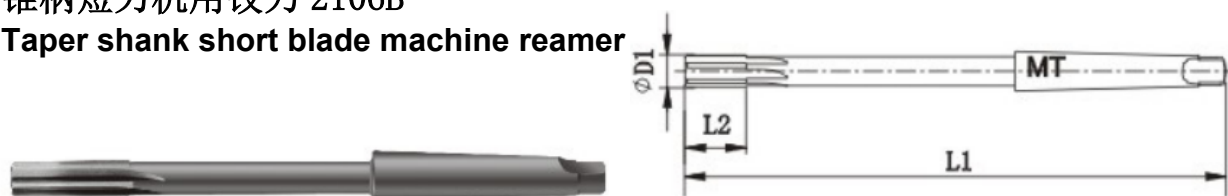
锥柄机用铰刀 2156A Taper shank machine reamer



刃径 Mill Dia.	总长 O.A.L.	刃长 Flute length	MT	刃数 Flute No.	订货号 Model No.	
D1	L1	L2	NO.	Z	不涂层 Uncoated	涂层 Coated
5	133	23	1	3	2156A-050	■ 2156A-050T
6	138	26	1	3	2156A-060	■ 2156A-060T
7	160	31	1	3	2156A-070	■ 2156A-070T
8	166	33	1	3	2156A-080	■ 2156A-080T
9	162	36	1	3	2156A-090	■ 2156A-090T
10	168	38	1	3	2156A-100	■ 2156A-100T
11	175	41	1	3	2156A-110	■ 2156A-110T
12	182	44	1	3	2156A-120	■ 2156A-120T
13	182	44	1	3	2156A-130	■ 2156A-130T
14	189	47	1	3	2166A-140	■ 2156A-140T
15	204	50	2	3	2166A-150	■ 2156A-150T
16	210	52	2	3	2166A-160	■ 2156A-160T
17	214	54	2	3	2166A-170	■ 2156A-170T
18	219	56	2	3	2166A-180	■ 2156A-180T
19	223	58	2	3	2166A-190	■ 2156A-190T
20	228	60	2	3	2156A-200	■ 2156A-200T

锥柄短刃机用铰刀 2106B

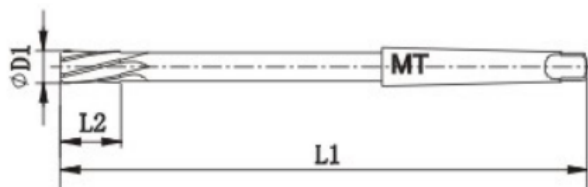
Taper shank short blade machine reamer



刃径 Mill Dia.	总长 O.A.L.	刃长 Flute length	MT	刃数 Flute No.	Model No.	订货号 Model No,
D1	L1	L2	NO.	z	不涂层 Uncoated	涂层 Coated
5	133	12	1	4	2106B-050	■ 2106B-050T
6	138	12	1	4	2106B-060	■ 2106B-060T
7	150	16	1	4	2106B-070	■ 2106B-070T
8	156	19	1	4	2106B-080	■ 2106B-080T
9	162	19	1	4	2106B-090	■ 2106B-090T
10	168	20	1	6	2106B-100	■ 2106B-100T
11	175	20	1	6	2106B-110	■ 2106B-110T
12	182	20	1	6	2106B-120	■ 2106B-120T
13	182	20	1	6	2106B-130	■ 2106B-130T
14	189	20	1	6	2106B-140	■ 2106B-140T
15	204	20	2	6	2106B-150	■ 2106B-150T
16	210	22	2	6	2106B-160	■ 2106B-160T
17	214	22	2	6	2106B-170	■ 2106B-170T
18	219	22	2	6	2106B-180	■ 2106B-180T
19	223	22	2	6	2106B-190	■ 2106B-190T
20	228	22	2	6	2106B-200	■ 2106B-200T

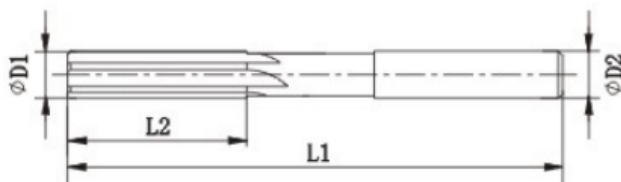
锥柄短刃机用铰刀 2126B

Taper shank short blade machine reamer



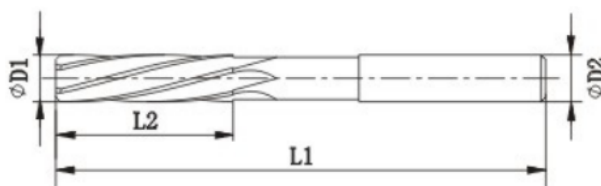
刃径 Mill Dia.	总长 O.A.L.	刃长 Flute length	MT	刃数 Flute No.	订货号 Model No.	
D1	L1	L2	NO.	z	不涂层 Uncoated	涂层 Coated
5	133	12	1	4	2126B-050	■ 2126B-050T
6	138	12	1	4	2126B-060	■ 2126B-060T
7	150	16	1	4	2126B-070	■ 2126B-070T
8	156	19	1	4	2126B-080	■ 2126B-080T
9	162	19	1	4	2126B-090	■ 2126B-090T
10	168	20	1	6	2126B-100	■ 2126B-100T
11	175	20	1	6	2126B-110	■ 2126B-110T
12	182	20	1	6	2126B-120	■ 2126B-120T
13	182	20	1	6	2126B-130	■ 2126B-130T
14	189	20	1	6	2126B-140	■ 2126B-140T
15	204	20	2	6	2126B-150	■ 2126B-150T
16	210	22	2	6	2126B-160	■ 2126B-160T
17	214	22	2	6	2126B-170	■ 2126B-170T
18	219	22	2	6	2126B-180	■ 2126B-180T
19	223	22	2	6	2126B-190	■ 2126B-190T
20	228	22	2	6	2126B-200	■ 2126B-200T

直柄机用铰刀 2100A Straight shank reamer



刃径 Mill Dia.	柄径 Shank length	总长 O.A.L.	刃长 Flute length	刃数 Flute No.	订货号 Model No.	
D1	D2	L1	L2	Z	不涂层 Uncoated	涂层 Coated
5	5	80	23	4	2100A-050	■ 2100A-050T
6	6	93	26	4	2100A-060	■ 2100A-060T
7	7	109	31	4	2100A-070	■ 2100A-070T
8	8	117	33	4	2100A-080	■ 2100A-080T
9	9	125	36	4	2100A-090	■ 2100A-090T
10	10	133	38	6	2100A-100	■ 2100A-100T
11	11	142	41	6	2100A-110	■ 2100A-110T
12	12	151	44	6	2100A-120	■ 2100A-120T
13	13	151	44	6	2100A-130	■ 2100A-130T
14	14	160	47	6	2100A-140	■ 2100A-140T
15	15	162	50	6	2100A-150	■ 2100A-160T
16	16	170	52	6	2100A-160	■ 2100A-160T
17	17	175	54	6	2100A-170	■ 2100A-170T
18	18	182	56	6	2100A-180	■ 2100A-180T
19	19	189	68	6	2100A-190	■ 2100A-190T
20	20	195	60	6	2100A-200	■ 2100A-200T

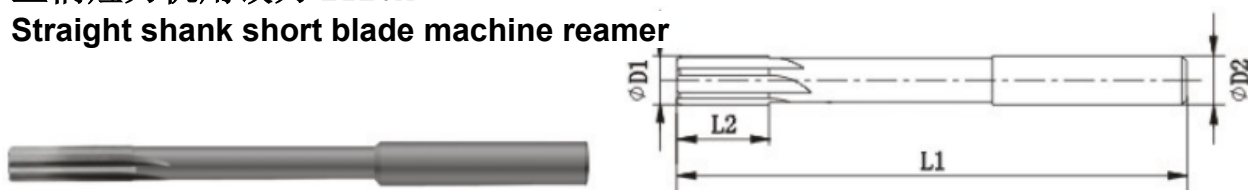
直柄机用铰刀 2120A
 Straight shank machine reamer



刃径 Mill Dia.	柄径 Shank length	总长 O.A.L.	刃长 Flute length	刃数 Flute No.	订货号 Model No.	
D1	D2	L1	L2	Z	不涂层 Uncoated	涂层 Coated
5	5	80	23	4	2120A-050	■ 2120A-050T
6	6	93	26	4	2120A-060	■ 2120A-060T
7	7	109	31	4	2120A-070	■ 2120A-070T
8	8	117	33	4	2120A-080	■ 2120A-080T
9	9	125	36	4	2120A-090	■ 2120A-090T
10	10	133	38	6	2120A-100	■ 2120A-100T
11	11	142	41	6	2120A-110	■ 2120A-110T
12	12	151	44	6	2120A-120	■ 2120A-120T
13	13	151	44	6	2120A-130	■ 2120A-130T
14	14	160	47	6	2120A-140	■ 2120A-140T
15	15	162	50	6	2120A-150	■ 2120A-150T
16	16	170	52	6	2120A-160	■ 2120A-160T
17	17	175	54	6	2120A-170	■ 2120A-170T
18	18	182	56	6	2120A-180	■ 2120A-180T
19	19	189	58	6	2120A-190	■ 2120A-190T
20	20	195	60	6	2120A-200	■ 2120A-200T

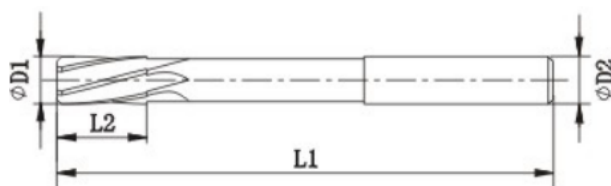
直柄短刃机用铰刀 2120A

Straight shank short blade machine reamer



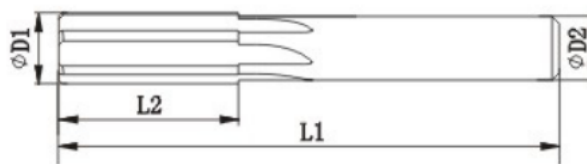
刃径 Mill Dia.	柄径 Shank length	总长 O.A.L.	刃长 Flute length	刃数 Flute No.	订货号 Model No.	
D1	D2	L1	L2	Z	不涂层 Uncoated	涂层 Coated
5	5	86	12	4	2100B - 050	■ 2100B-050T
6	6	93	12	4	2100B-060	■ 2100B-060T
7	7	109	16	4	2100B-070	■ 2100B-070T
8	8	117	16	4	2100B-080	■ 2100B-080T
9	9	125	19	4	2100B-090	■ 2100B-090T
10	10	133	19	6	2100B-100	■ 2100B-100T
11	11	142	19	6	2100B-110	■ 2100B-110T
12	12	151	19	6	2100B-120	■ 2100B-120T
13	13	151	19	6	2100B-130	■ 2100B-130T
14	14	160	19	6	2100B-140	■ 2100B-140T
15	15	162	19	6	2100B-150	■ 2100B-150T
16	16	170	22	6	2100B-160	■ 2100B-160T
17	17	175	22	6	2100B-170	■ 2100B-170T
18	18	182	22	6	2100B-180	■ 2100B-180T
19	19	189	22	6	2100B-190	■ 2100B-190T
20	20	195	22	6	2100B-200	■ 2100B-200T

直柄短刃机用铰刀 2120B
 Straight shank short blade reamer



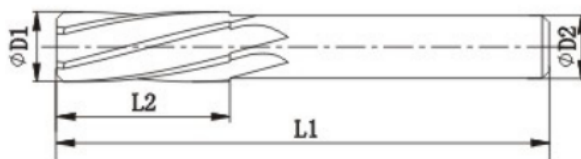
刃径 Mill Dia.	柄径 Shank length	总长 O.A.L.	刃长 Flute length	刃数 Flute No.	订货号 Model No.	
D1	D2	L1	L2	Z	不涂层 Uncoated	涂层 Coated
5	5	86	12	4	2120B-050	■ 2120B-050T
6	6	93	12	4	2120B-060	■ 2120B-060T
7	7	109	16	4	2120B-070	■ 2120B-070T
8	8	117	16	4	2120B-080	■ 2120B-080T
9	9	125	19	4	2120B-090	■ 2120B-090T
10	10	133	19	6	2120B-100	■ 2120B-100T
11	11	142	19	6	2120B-110	■ 2120B-110T
12	12	151	19	6	2120B-120	■ 2120B-120T
13	13	151	19	6	2120B-130	■ 2120B-130T
14	14	160	19	6	2120B-140	■ 2120B-140T
15	15	162	19	6	2120B-150	■ 2120B-150T
16	16	170	22	6	2120B-160	■ 2120B-160T
17	17	175	22	6	2120B-170	■ 2120B-170T
18	18	182	22	6	2120B-180	■ 2120B-180T
19	19	189	22	6	2120B-190	■ 2120B-190T
20	20	195	22	6	2120B-200	■ 2120B-200T

机用铰刀 2103K Machine reamer



刃径 Mill Dia.	柄径 Shank length	总长 O.A.L.	刃长 Flute length	刃数 Flute No.	订货号 Model No.	
D1	D2	L1	L2	Z	不涂层 Uncoated	涂层 Coated
4	3	56	20	4	2103K-040	■ 2103K-040T
5	4	63	22	4	2103K-050	■ 2103K-050T
6	5	63	22	4	2103K-060	■ 2103K-060T
7	6	71	25	4	2103K-070	■ 2103K-070T
8	7	71	25	4	2103K-080	■ 2103K-080T
9	8	71	25	4	2103K-090	■ 2103K-090T
10	8	71	25	6	2103K-100	■ 2103K-100T
11	10	80	28	6	2103K-110	■ 2103K-110T
12	10	80	28	6	2103K-120	■ 2103K-120T
13	10	80	28	6	2103K-130	■ 2103K-130T
14	13	90	32	6	2103K-140	■ 2103K-140T
15	13	90	32	6	2103K-150	■ 2103K-150T
16	13	90	32	6	2103K-160	■ 2103K-160T
17	13	90	32	6	2103K-170	■ 2103K-170T
18	16	100	36	6	2103K-180	■ 2103K-180T
19	16	100	36	6	2103K-190	■ 2103K-190T
20	16	100	36	6	2103K-200	■ 2103K-200T

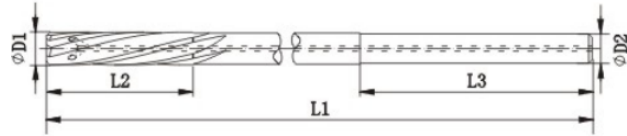
机用铰刀 2123K Machine reamer



刃径 Mill Dia.	柄径 Shank length	总长 O.A.L.	刃长 Flute length	刃数 Flute No.	订货号 Model No.	
D1	D2	L1	L2	Z	不涂层 Uncoated	涂层 Coated
5	4	63	22	4	2123K-050	■ 2123K-050T
6	5	63	22	4	2123K-060	■ 2123K-060T
7	6	71	25	4	2123K-070	■ 2123K-070T
8	7	71	25	4	2123K-080	■ 2123K-080T
9	8	71	25	4	2123K-090	■ 2123K-090T
10	8	71	25	6	2123K-100	■ 2123K-100T
11	10	80	28	6	2123K-110	■ 2123K-110T
12	10	80	28	6	2123K-120	■ 2123K-120T
13	10	80	28	6	2123K-130	■ 2123K-130T
14	13	90	32	6	2123K-140	■ 2123K-140T
15	13	90	32	6	2123K-150	■ 2123K-150T
16	13	90	32	6	2123K-160	■ 2123K-160T
17	13	90	32	6	2123K-170	■ 2123K-170T
18	16	100	36	6	2123K-180	■ 2123K-180T
19	16	100	36	6	2123K-190	■ 2123K-190T
20	16	100	36	6	2123K-200	■ 2123K-200T

枪铰刀 2320K

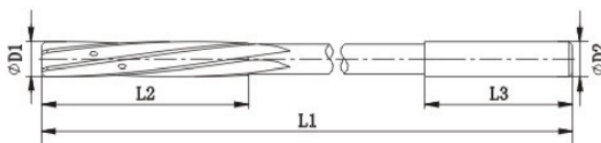
Gun reamer



刃径 Mill Dia.	柄径 Shank Dia.	总长 O.A.L.	刃长 Flute length	柄长 Shank length	刃数 Flute No.	订货号 Model No.	
D1	D2	L1	L2	L3	Z	不涂层 Uncoated	涂层 Coated
6	5.6	240 ~ 320	40-60	100	6	2320K-060	■ 2320K-060T
7	6.3	240 ~ 320	40-60	100	6	2320K-070	■ 2320K-070T
8	7.1	240 ~ 320	40-60	100	6	2320K-080	■ 2320K-080T
9	8.0	240 ~ 320	40-60	100	6	2320K-090	■ 2320K-090T
10	9.0	240 ~ 320	40-60	100	6	2320K-100	■ 2320K-100T
11	10.0	240 ~ 320	40~60	100	6	2320K-110	■ 2320K-110T
12	10.0	240 ~ 320	40~60	100	6	2320K-120	■ 2320K-120T
13	10.0	240 ~ 320	40~60	100	6	2320K-130	■ 2320K-130T
14	12.5	240 ~ 320	40~60	100	6	2320K-140	■ 2320K-140T
15	12.5	240 ~ 320	40~60	100	6	2320K-150	■ 2320K-150T
16	12.5	240 ~ 320	40~60	100	6	2320K-160	■ 2320K-160T
17	14.0	240 -320	40-60	100	6	2320K-170	■ 2320K-170T

枪铰刀 2320L

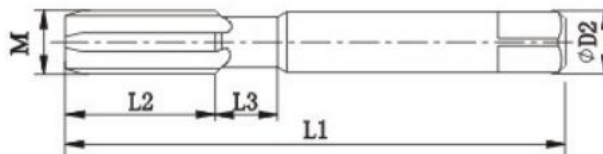
Gun reamer



刃径 Mill Dia.	柄径 Shank Dia.	总长 O.A.L.	刃长 Flute length	柄长 Shank length	刃数 Flute No.	订货号 Model No.	
D1	D2	L1	L2	L3	Z	不涂层 Uncoated	涂层 Coated
6	5.6	240 ~ 320	40~60	100	6	2320L-060	■ 2320L-060T
7	6.3	240 ~ 320	40-60	100	6	2320L-070	■ 2320L-070T
8	7.1	240 ~ 320	40~60	100	6	2320L-080	■ 2320L-080T
9	8.0	240 ~ 320	40-60	100	6	2320L-090	■ 2320L-090T
10	9.0	240 ~ 320	40-60	100	6	2320L-100	■ 2320L-100T
11	10.0	240 -320	40-60	100	6	2320L-110	■ 2320L-110T
12	10.0	240 -320	40-60	100	6	2320L-120	■ 2320L-120T
13	10.0	240 -320	40-60	100	6	2320L-130	■ 2320L-130T
14	12.5	240 ~ 320	40-60	100	6	2320L-140	■ 2320L-140T
15	12.5	240 -320	40-60	100	6	2320L-150	■ 2320L-150T
16	12.5	240 ~ 320	40~60	100	6	2320L-160	■ 2320L-160T
17	14.0	240 ~ 320	40~60	100	6	2320L-170	■ 2320L-170T

普通粗柄丝锥 4035

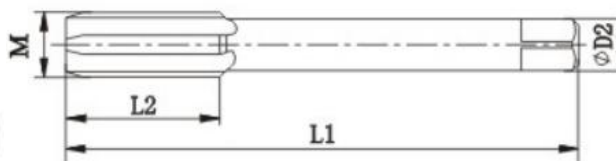
Taps with reinforced shank



螺纹 Size	螺距 Pitch	刃数 Flute	总长 O.A.L	螺纹长 Thread length	柄径 Shank Dia..	颈长 Length	订货号 Model No.	
M	P	Z	L1	L2	D2	L3	Uncoated	Coated
M3	0.50	3	48	11	3.15	7	4035-030A	■ 4035T-030A
M3.5	0.60	3	50	13	3.55	7	4035-035B	■ 4035T-035B
M4	0.70	3	53	13	4.00	8	4035-040C	■ 4035T-040C
M4.5	0.75	3	53	13	4.50	8	4035-045D	■ 4035T-045D
M4.5X0.5	0.50	3	53	13	4.50	8	4035-045A	■ 4035T-045A
M4X0.5	0.50	3	53	13	4.00	8	4035-040A	■ 4035T-040A
M5	0.80	3	58	16	5.00	9	4035-050E	■ 4035T-050E
M5.5X0.5	0.50	3	62	17	5.60	9	4035-055A	■ 4035T-055A
M5X0.5	0.50	3	58	16	5.00	9	4035-050A	■ 4035T-050A
M6	1.00	3	66	19	6.30	11	4035-060F	■ 4035T-060F
M6X0.5	0.60	3	66	19	6.30	11	4035-060A	■ 4035T-060A
M6X0.75	0.75	3	66	19	6.30	11	4035-060D	■ 4035T-060D
M7	1.00	4	66	19	7.10	11	4045-070F	■ 4045T-070F
M7X0.75	0.75	4	66	19	7.10	11	4045-070D	■ 4045T-070D
M8	1.25	4	72	22	8.00	13	4045-080G	■ 4045T-080G
M8X0.5	0.50	4	66	19	8.00	13	4045-080A	■ 4045T-080A
M8X0.75	0.75	4	66	19	8.00	13	4045-080D	■ 4045T-080D
M8X1	1.00	4	72	22	8.00	13	4045-080F	■ 4045T-080F
M9	1.25	4	72	22	9.00	14	4045-090G	■ 4045T-090G
M9X0.75	0.75	4	66	19	9.00	14	4046-090D	■ 4045T-090D
M9X1	1.00	4	72	22	9.00	14	4045-090F	■ 4045T-090F
M10	1.50	4	80	24	10.00	15	4045-100H	■ 4045T-100H
M10X0.75	0.75	4	73	20	10.00	15	4045-100D	■ B4045T-100D
M10X1	1.00	4	80	24	10.00	15	4045-100F	■ B4045T-100F
M10X1.25	1.25	4	80	24	10.00	15	4045-100G	■ 4045T-100G

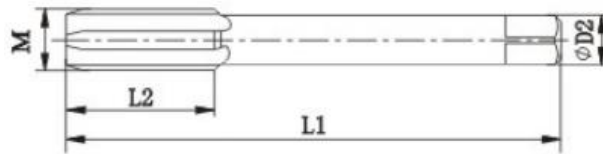
普通细柄丝锥 4135

Taps with reduced shank



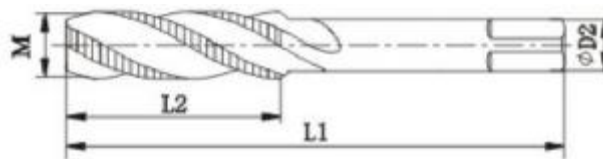
螺纹 Size	螺距 Pitch	刃数 Flute	总长 O.A.L	螺纹长 Thread length	柄径 Shank Dia..	订货号 Model No.	
M	P	Z	L1	L2	D2	Uncoated	Coated
M3	0.50	3	48	11	2.24	4135-030A	■ 4135T-030A
M3.5	0.60	3	50	13	2.50	4135-035B	■ 4135T-035B
M4	0.70	3	53	13	3.15	4135-040C	■ 4135T-040C
M4X0.5	0.50	3	53	13	3.15	4135-040A	■ 4135T-040A
M4.5	0.75	3	53	13	3.55	4135-045D	■ 4135T-045D
M4.5X0.5	0.50	3	53	13	3.55	4135-045A	■ 4135T-045A
M5	0.80	3	58	16	4.00	4135-050E	■ 4135T-050E
M5X0.5	0.50	3	58	16	4.00	4135-050A	■ 4135T-050A
M5.5X0.5	0.50	3	62	17	4.00	4135-055A	■ 4135T-055A
M6	1.00	3	66	19	4.50	4135-060F	■ 4135T-060F
M6X0.75	0.75	3	66	19	4.50	4135-060D	■ 4135T-060D
M7	1.00	4	66	19	5.60	4135-070F	■ 4135T-070F
M7X0.75	0.75	4	66	19	5.60	4135-070D	■ 4135T-070D
M8	1.25	4	72	22	6.30	4135-080G	■ 4135T-080G
M8X0.75	0.75	4	66	19	6.30	4135-080D	■ 4135T-080D
M8X1	1.00	4	72	22	6.30	4135-080F	■ 4135T-080F
M9	1.25	4	72	22	7.10	4135-090G	■ 4135T-090G
M9X0.75	0.75	4	66	19	7.10	4135-090D	■ 4135T-090D
M9X1	1.00	4	72	22	7.10	4135-090F	■ 4135T-090F
M10	1.50	4	80	24	8.00	4135-100H	■ 4135T-100H
M10X0.75	0.75	4	73	20	8.00	4135-100D	■ 4135T-100D
M10X1	1.00	4	80	24	8.00	4135-100F	■ 4135T-100F
M10X1.25	1.25	4	80	24	8.00	4135-100G	■ 4135T-100G
M11	1.50	4	85	25	8.00	4135-110H	■ 4135T-110H

普通细柄丝锥 4135
 Taps with reduced shank



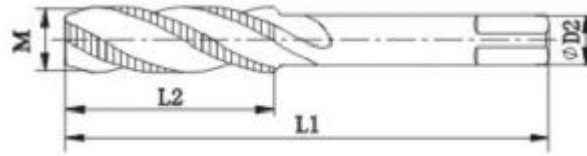
螺纹 Size	螺距 Pitch	刃数 Flute	总长 O.A.L	螺纹长 Thread length	柄径 Shank Dia..	订货号 Model No.	
M	P	Z	L1	L2	D2	Uncoated	Coated
M11X0.75	0.75	4	80	22	8.0	4135-110D	■ 4135T-110D
M11X1	1.00	4	80	22	8.0	4135-110F	■ 4135T-110F
M12	1.75	4	89	29	9.0	4135-120I	■ 4135T-120I
M12X1	1.00	4	80	22	9.0	4135-120F	■ 4135T-120F
M12X1.25	1.25	4	89	29	9.0	4135-120G	■ 4135T-120G
M12X1.5	1.60	4	89	29	9.0	4135-120H	■ 4135T-120H
M14	2.00	4	95	30	11.2	4135-140I	■ 4135T-140I
M14X1	1.00	4	87	22	11.2	4136-140F	■ 4135T-140F
M14X1.25	1.25	4	95	30	11.2	4135-140G	■ 4135T-140G
M14X1.5	1.60	4	95	30	11.2	4135-140H	■ 4135T-140H
M15X1.5	1.50	4	95	30	11.5	4136-150H	■ 4135T-150H
M16	2.00	4	102	32	12.5	4135-160J	■ 4135T-160J
M16X1	1.00	4	92	22	12.5	4135-160F	■ 4136T-160F
M16X1.5	1.60	4	102	32	12.5	4136-160H	■ 4136T-160H
M17X1.5	1.50	4	102	32	12.5	4136-170H	■ 4135T-170H
M18	2.60	4	112	37	14.0	4136-180K	■ 4135-180K
M18X1	1.00	4	97	22	14.0	4135-180F	■ 4136-180F
M18X1.5	2.00	4	112	37	14.0	4135-180H	■ 4136-180H
M18X2	2.00	4	112	37	14.0	4136-180J	■ 4136-180J
M20	2.50	4	112	37	14.0	4136-200K	■ 4136-200K
M20X1	1.00	4	102	22	14.0	4136-200F	■ 4136-200F
M20X1.5	1.50	4	104	37	14.0	4135-200H	■ 4135-200H
M20X2	2.00	4	112	37	14.0	4136-200J	■ 4135-200J

螺旋槽丝锥 41B5 Spiral flute taps



螺纹 Size	螺距 Pitch	刃数 Flute	总长 O.A.L	螺纹长 Thread length	柄径 Shank Dia..	订货号 Model No.	
M	P	Z	L1	L2	D2	Uncoated	Coated
M3	0.60	3	60	11	3.15	41B5-030A	■ 41B5T-030A
M3.5	0.60	3	60	13	3.65	41B5-035B	■ 41B5T-036B
M4	0.70	3	63	13	4.00	41B5-040C	■ 41B5T-040C
M4.5	0.75	3	53	13	4.60	41B5-045D	■ 41B5T-045D
M5	0.80	3	58	16	5.00	41B5-050E	■ 41B5T-050E
M5X0.5	0.60	3	68	16	5.00	41B5-050A	■ 41B5T-050A
M6	1.00	3	66	16	6.30	41B5-060F	■ 41B5T-060F
M6X0.75	0.75	3	66	19	6.30	41B5-060D	■ 41B5T-060D
M7	1.00	3	66	19	5.60	41B5-070F	■ 41B5T-070F
M7X0.75	0.75	3	66	19	5.60	41B5-070D	■ 41B5T-070D
M8	1.25	3	72	22	6.30	41B5-080G	■ 41B5T-080G
M8X1	1.00	3	69	19	6.30	41B5-080F	■ 41B5T-080F
M9	1.25	3	72	22	7.10	41B5-090G	■ 41B5T-090G
M9X1	1.00	3	69	19	7.10	41B5-090F	■ 41B5T-090F
M10	1.50	3	80	24	8.00	41B5-100H	■ 41B5T-100H
M10X1	1.00	3	80	20	8.00	41B5-100F	■ 41B5T-100F
M10X1.25	1.25	3	80	20	8.00	41B5-100G	■ 41B5T-100G

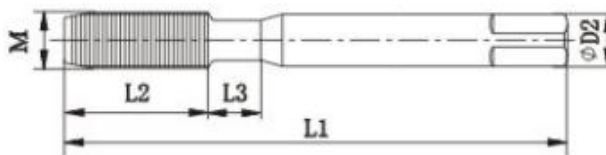
螺旋槽丝锥 41B5 Spiral flute taps



螺纹 Size	螺距 Pitch	刃数 Flute	总长 O.A.L	螺纹长 Thread length	柄径 Shank Dia..	订货号 Model No.	
M	P	Z	L1	L2	D2	Uncoated	Coated
M11	1.50	4	85	25	8.0	41C5-110H	■ 41C6T-110H
M12	1.75	4	89	29	9.0	41C5-120I	■ 41C5T-120I
M12X1.25	1.25	4	89	24	9.0	41C5-120G	■ 41C5T-120G
M12X1.5	1.50	4	89	29	9.0	41C5-120H	■ 41C6T-120H
M14	2.00	4	95	30	11.2	41C5-140J	■ 41C6T-140J
M14X1.25	1.25	4	95	25	11.2	41C5-140G	■ 41C5T-140G
M14X1.5	1.50	4	95	30	11.2	41C5-140H	■ 41C6T-140H
M15X1.5	1.50	4	95	30	11.5	41C5-150H	■ 41C6T-150H
M16	2.00	4	102	32	12.5	41C5-160J	■ 41C6T-160J
M16X1.5	1.50	4	102	32	12.5	41C5-160H	■ 41C6T-160H
M17X1.5	1.50	4	102	32	12.5	41C5-170H	■ 41C5T-170H
M18	2.50	4	112	37	14.0	41C5-180K	■ 41C6T-180K
M18X1.5	2.00	4	112	29	14.0	41C5-180H	■ 41C6T-180H
M18X2	2.00	4	112	37	14.0	41C5-180J	■ 41C5T-180J
M20	2.50	4	112	37	14.0	41C5-200K	■ 41C6T-200K
M20X1.5	1.50	4	104	29	14.0	41C5-200H	■ 41C5T-200K
M20X2	2.00	4	112	37	14.0	41C5-200J	■ 41C5T-200J
M22	2.50	4	118	38	16.0	41C5-220K	■ 41C6T-220K
M22X1.5	1.50	4	113	33	16.0	41C5-220H	■ 41C5T-220H
M22X2	2.00	4	118	38	16.0	41C5-220J	■ 41C6T-220J
M24	3.00	4	130	45	18.0	41C5-240L	■ 41C5T-240L
M24X1.5	1.50	4	120	35	18.0	41C5-240H	■ 41C5T-240H
M24X2	2.00	4	120	35	18.0	41C5-240J	■ 41C5T-240J

挤压粗柄丝锥 4505

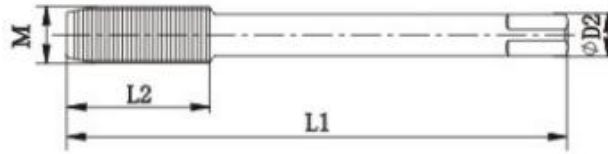
Thread forming taps with reinforced shank



螺纹 Size	螺距 Pitch	总长 O.A.L	螺纹长 Thread length	柄径 Shank Dia..	颈长 Neck length	订货号 Model No.	
M	P	L1	L2	D2	L3	Uncoated	Coated
M5	0.80	58	16	5.0	9	4505-050E	■ 4505T-050E
M5X0.5	0.50	58	16	5.0	9	4505-050A	■ 4505T-050A
M5.5X0.5	0.50	62	17	5.6	9	4505-055A	■ 4505T-055A
M6	1.00	66	19	6.3	11	4505-060F	■ 4505T-060F
M6X0.5	0.50	66	19	6.3	11	4505-060A	■ 4505T-060A
M6X0.75	0.75	66	19	6.3	11	4505-060D	■ 4505T-060D
M7	1.00	66	19	7.1	11	4505-070F	■ 4505T-070F
M7X0.75	0.75	66	19	7.1	11	4505-070D	■ 4505T-070D
M8	1.25	72	22	8.0	13	4505-080G	■ 4505T-080G
M8X0.5	0.60	66	19	8.0	13	4505-080A	■ 4505T-080A
M8X0.75	0.75	69	19	8.0	13	4606-080D	■ 4505T-080D
M8X1	1.00	69	19	8.0	13	4605-080F	■ 4505T-080F
M9	1.25	72	22	9.0	14	4505-090G	■ 4505T-090G
M9X0.75	0.75	66	19	9.0	14	4505-090D	■ 4505T-090D
M9X1	1.00	69	19	9.0	14	4505-090F	■ 4505T-090F
M10	1.60	80	24	10.0	15	4606-100H	■ 4505T-100H
M 10X0.75	0.75	73	20	10.0	15	4605-100D	■ 4505T-100D
M10X1	1.00	76	20	10.0	15	4606-100F	■ 4505T-100F
M10X1.25	1.25	76	20	10.0	15	4505-100G	■ 4505T-100G

挤压细柄丝锥 4605

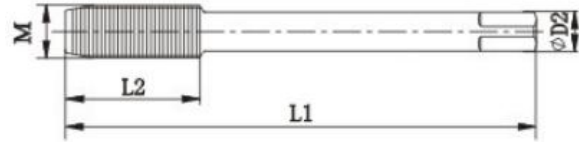
Thread forming taps with reduced shank



螺纹 Size	螺距 Pitch	总长 O.A.L	螺纹长 Thread length	柄径 Shank Dia.	订货号 Model No.	
M	P	L1	L2	D2	Uncoated	Coated
M5	0.80	58	16	4.0	4605-050E	■ 4605T-050E
M5X0.5	0.50	68	16	4.0	4605-050A	■ 4605T-060A
M5.5X0.5	0.50	62	17	4.0	4605-055A	■ 4605T-055A
M6	1.00	66	19	4.5	4605-060F	■ 4605T-060F
M6X0.75	0.75	66	19	4.5	4605-060D	■ 4605T-060D
M7	1.00	66	19	5.6	4605-070F	■ 4605T-070F
M7X0.75	0.75	66	19	5.6	4605-070D	■ 4605T-070D
M8	1.25	72	22	6.3	4605-080G	■ 4605T-080G
M8X0.75	0.75	66	19	6.3	4606-080D	■ 4605T-080D
M8X1	1.00	69	19	6.3	4606-080F	■ 4605T-080F
M9	1.25	72	22	7.1	4606-090G	■ 4605T-090G
M9X0.75	1.00	66	19	7.1	4605-090D	■ 4605T-090D
M9X1	1.00	69	19	7.1	4605-090F	■ 4605T-090F
M10	1.50	80	24	8.0	4605-100H	■ 4605T-100H
M10X0.75	0.75	73	20	8.0	4605-100D	■ 4605T-100D
M10X1	1.00	76	20	8.0	4605-100F	■ 4605T-100F
M10X1.25	1.25	76	20	8.0	4605-100G	■ 4605T-100G
M11	1.50	85	25	8.0	4605-110H	■ 4605T-110H
M11X0.75	0.75	80	22	8.0	4605-110D	■ 4605T-110D
M11X1	1.00	80	22	8.0	4606-110F	■ 4605T-110F
M12	1.75	89	29	9.0	4605-1201	■ 4605T-1201

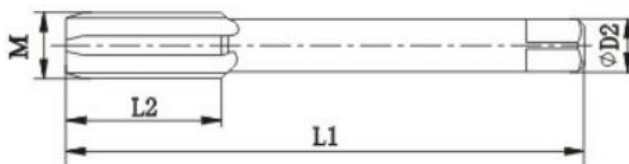
挤压细柄丝锥 4605

Thread forming taps with reduced shank



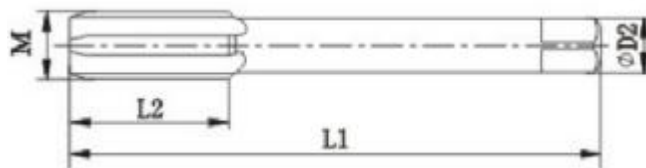
螺纹 Size	螺距 Pitch	总长 O.A.L	螺纹长 Thread length	柄径 Shank Dia.	订货号 Model No.	
M	P	L1	L2	D2	Uncoated	Coated
M12X1	1.00	80	22	9.0	4605-120F	■ 4605T-120F
M12X1.25	1.25	84	24	9.0	4605-120G	■ 4605T-120G
M12X1.5	1.50	89	29	9.0	4605-120H	■ 4605T-120H
M14	2.00	95	30	11.2	4605-140J	■ 4605T-140J
M14X1	1.00	87	22	11.2	4605-140F	■ 4605T-140F
M14X1.25	1.25	90	25	11.2	4605-140G	■ 4605T-140G
M14X1.5	1.50	96	30	11.2	4605-140H	■ 4605T-140H
M15X1.5	1.60	96	30	11.2	4605-150H	■ 4605T-150H
M16	2.00	102	32	12.5	4605-160J	■ 4605T-160J
M16X1	1.00	92	22	12.5	4605-160F	■ 4605T-160F
M16X1.5	1.60	102	32	12.5	4605-160H	■ 4605T-160H
M17X1.5	1.60	102	32	12.5	4605-170H	■ 4605T-170H
M18	2.60	112	37	14.0	4605-180K	■ 4605T-180K
M18X1	1.00	97	22	14.0	4605-180F	■ 4605T-180F
M18X1.5	1.50	104	29	14.0	4605-180H	■ 4605T-180H
M18X2	2.00	112	37	14.0	4605-180J	■ 4605T-180J
M20	2.50	112	37	14.0	4605-200K	■ 4605T-200K
M20X1	1.00	102	22	14.0	4605-200F	■ 4605T-200F
M20X1.5	1.50	104	29	14.0	4605-200H	■ 4605T-200H

美制丝锥 4935 UN cutter taps



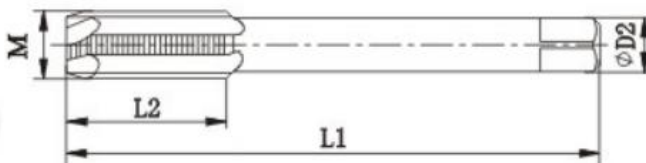
螺纹 Size	公称直径 Nominal Dia..	牙数/1 TPI/1	刃数 No.of Flute	总长 O.A.L	螺纹长 Thread Length	柄径 Shank Dia.	订货号 Model No.	
M			Z	L1	L2	D2	Uncoated	Coated
No5	3.2	40	3	48	11	2.24	4935-032Z	■ 4935T-032Z
No6	3.5	32	3	60	13	2.50	4935-035Y	■ 4935T-035Y
No8	4.2	32	3	53	13	3.15	4935-042Y	■ 4935T-042Y
No10	4.8	24	3	58	16	3.56	4935-048X	■ 4935T-048X
1/4	6.4	20	3	66	19	46.00	4935-064W	■ 4935T-064W
5/16	7.9	18	4	72	22	6.30	4945-079V	■ 4945T-079V
3/8	9.5	16	4	80	24	7.10	4946-095U	■ 4946T-095U
7/16	11.1	14	4	85	25	8.00	4945-111T	■ 4945T-111T
1/2	12.7	12	4	89	29	9.00	4945-127R	■ 4945T-127R
9/16	14.3	12	4	95	30	11.20	4945-143R	■ 4946T-143R
5/8	15.9	11	4	102	32	12.50	4945-159Q	■ 4945T-159Q
3/4	19.1	10	4	112	37	14.00	4945-191P	■ 4945T-191P
7/8	22.2	9	4	118	38	16.00	4945-222O	■ 4945T-222O
1"	25.4	8	4	130	45	18.00	4945-264N	■ 4946T-254N

英制丝锥 4035
 Britain cutter taps



螺纹 Size	公称直径 Nominal Dia..	牙数/1 TPI/1	刃数 No.of Flute	总长 O.A.L	螺纹长 Thread Length	柄径 Shank Dia.	订货号 Model No.	
M			Z	L1	L2	D2	Uncoated	Coated
1/8	3.2	40	3	50	16.5	3.15	4735-032Z	■ 4735T-032Z
3/16	4.8	24	3	58	20.5	5.00	4735-048X	■ 4735T-048X
1/4	6.4	20	3	66	24.5	6.30	4735-064W	■ 4735T-064W
5/16	7.9	18	4	72	22.0	5.60	4745-079V	■ 4745T-079V
3/8	9.5	16	4	80	24.0	7.10	4745-095U	■ 4745T-095U
7/16	11.1	14	4	85	25.0	8.00	4745-111T	■ 4745T-111T
1/2	12.7	12	4	89	29.0	9.00	4745-127R	■ 4745T-127R
9/16	14.3	12	4	95	30.0	11.20	4746-143R	■ 4746T-143R
5/8	15.9	11	4	102	32.0	12.50	4745-159Q	■ 4745T-159Q
3/4	19.1	10	4	112	37.0	14.00	4745-191P	■ 4745T-191P
7/8	22.2	9	4	118	38.0	16.00	4745-222O	■ 4745T-222O
1"	25.4	8	4	130	45.0	18.00	4745-254N	■ 4745T-254N

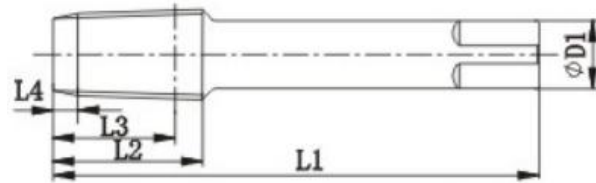
刃倾角丝锥 4R35 Spiral Pointed taps



螺纹 Size	螺距 Pitch	刃数 Flute	总长 O.A.L	螺纹长 Thread length	柄径 Shank Dia..	订货号 Model No.	
M	P	Z	L1	L2	D2	Uncoated	Coated
M3	0.60	3	48	11	2.24	4R35-030A	■ 4R35T-030A
M4	0.70	3	63	13	3.15	4R35-040C	■ 4R35T-040C
M5	0.80	3	58	16	4.00	4R35-050E	■ 4R35T-050E
M6	1.00	3	66	19	4.50	4R35-060F	■ 4R35T-060F
M7	1.00	3	66	19	5.60	4R35-070F	■ 4R35T-070F
M8	1.25	3	72	22	6.30	4R35-080G	■ 4R35T-080G
M9	1.25	3	72	22	7.10	4R35-090G	■ 4R35T-090G
M10	1.60	3	80	24	8.00	4R35-100H	■ 4R35T-100H
M11	1.60	3	85	25	8.00	4R35-110H	■ 4R35T-110H
M12	1.75	3	89	29	9.00	4R35-120I	■ 4R35T-120I
M14	2.00	4	95	30	11.20	4R45-140J	■ 4R45T-140J
M16	2.00	4	102	32	12.60	4R45-160J	■ 4R45T-160J
M18	2.60	4	112	37	14.00	4R45-180K	■ 4R45T-180K
M20	2.60	4	112	37	14.00	4R46-200K	■ 4R45T-200K

60° 圆锥管螺纹丝锥 4N35

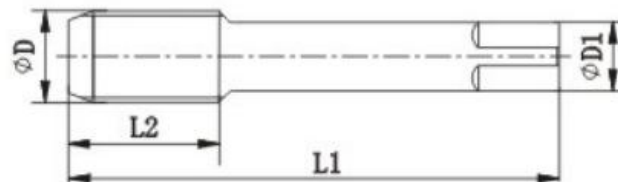
60°taper pipe thread tap



代号 Code	基本直径 Shank Dia..	牙数 Teeth Per 25.4mm	螺距 Pitch	尺寸 Size				订货号 Model No.	
NPT	D1	每 25.4mm 内	P	L1	L2	L3	L4	Uncoated	Coated
1/16	8.0	27.0	0.941	56	17	11	2.8	4N35-080F	■ 4N35T-080F
1/8	8.0	27.0	0.941	56	19	11	2.8	4N35-081F	■ 4N35T-081F
1/4	11.2	18.0	1.411	62	27	16	4.3	4N35-112H	■ 4N35T-112H
3/8	14.0	18.0	1.411	65	27	16	4.3	4N45-140H	■ 4N45T-140H
1/2	18.0	14.0	1.814	79	35	21	5.5	4N45-180J	■ 4N45T-180J
3/4	22.4	14.0	1.814	83	35	21	5.5	4N45-224J	■ 4N45T-224J
1	28.0	11.5	2.209	95	44	26	6.7	4N46-280K	■ 4N45T-280K

60° 圆柱管螺纹丝锥 4G35

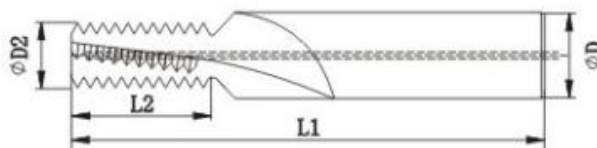
60°taper pipe thread tap



代号 Code	牙数 Teeth Per 25.4mm	螺距 Pitch	尺寸 Size				订货号 Model No.	
	D	25.4mm	P	D1	L1	L2	Uncoated	Coated
G1/16 Q1/16D p1/16	7.723	28	0.970	5.6	55	14	4G35-077F	■ 4G35T-077F
G1/8 G1/8D Rp1/8	9.728	28	0.970	8.0	59	15	4G35-097F	■ 4G35T-097F
G1/4 G1/4D Rp1/4	13.157	19	1.337	10.0	67	19	4G35-131G	■ 4G35T-131G
G3/8 G3/8D Rp3/8	16.662	19	1.337	12.5	75	21	4G45-166G	■ 4G45T-166G
G1/2 G1/2D Rp1/2	20.955	14	1.814	16.0	87	26	4G45-209J	■ 4G45T-209J
QS/4 G3/4D Rp3/4	26.441	14	1.814	20.0	96	28	4G45-264J	■ 4G45T-264J
G1 G1D Rp1	33.249	11	2.309	25.0	109	33	4G46-264K	■ 4G45T-264K

中心内冷公制螺纹铣刀-LZ-ISO-T

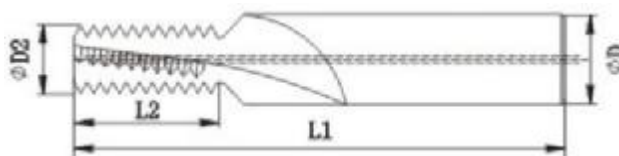
Internal coolant thread milling cutter for ISO metric



螺纹		螺距		尺寸			最小加工 孔径	订货号
Size & Pitch		Pitch		Dimension			Min. Dia.. of the hole	Model No.
粗牙 Coarse	细牙 Fine	mm	D	D2	L1	L2	mm	内螺纹刀 Internal thread milling
M3X0.5	M3.5-M 16x0.5	0.50	4	2.40	46	6.0	2.5	LZ04024L06-N0.50ISO
	M4X0.5	0.50	4	3.20	46	8.0	3.5	LZ04032L08-N0.50ISO
	M5X0.5	0.50	6	4.20	58	10.0	4.5	LZ06042L10-N0.50ISO
M4x0.7		0.70	4	3.15	46	8.4	3.3	LZ04031L08-N0.70ISO
	M6X0.75	0.75	6	5.00	58	12.0	5.3	LZ06050L12-N0.75ISO
M5X0.8		0.80	4	3.90	46	10.4	4.2	LZ04039L10-N0.80ISO
M6X1.0	M8-M40X1.0	1.00	6	4.80	58	12.0	5.0	LZ06048L12-N1.00ISO
	M8X1.0	1.00	8	6.70	62	16.0	7.0	LZ08067L16-N1.00ISO
	M10X1.0	1.00	10	8.70	74	20.0	9.0	LZ10087L20-N1.00ISO
	M12X1.0	1.00	12	10.70	74	24.0	11.0	LZ12107L24-N1.00ISO
M8X1.25		1.25	8	6.50	62	16.2	6.8	LZ08065L16-N1.25ISO
	M10X1.25		10	8.60	74	20.0	8.8	LZ10085L20-N1.25ISO
M10X1.5	M12-M48X1.5	1.50	10	8.20	74	19.5	8.5	LZ10082L20-N1.50ISO
	M12X1.5	1.60	10	9.90	74	24.0	10.5	LZ10099L24-N1.50ISO
	M14X1.5	1.50	12	11.90	81	28.5	12.5	LZ12119L29-N1.50ISO
	M16X1.5	1.50	14	13.90	93	31.5	14.5	LZ14139L32-N1.50ISO
M12X1.75		1.75	10	9.90	74	24.5	10.3	LZ10099L25-N1.75ISO
M14X2.0	M17-M801X2.0	2.00	12	11.60	81	28.0	12.0	LZ12116L29-N2.00ISO
M16X2.0	M17-M80X2.0	2.00	14	13.60	93	32.0	14.0	L214136L33-N2.00ISO
M18X2.5		2.50	16	14.80	93	35.0	15.2	LZ16148L36-N2.50ISO
M20X2.5		2.50	18	17.10	103	40.0	17.5	LZ18171L41-N2.50ISO
M24X3.0		3.00	20	19.90	103	48.0	21.0	LZ20199L49-N3.00ISO

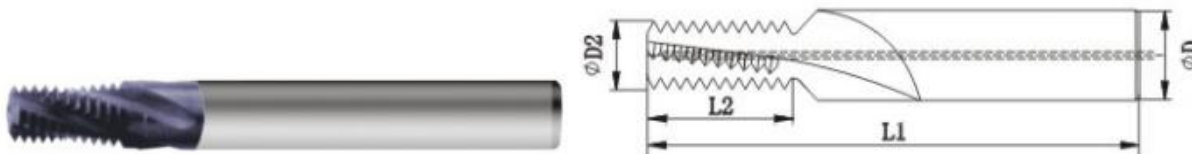
中心内冷公制螺纹铣刀 - LZ-ISO-T

Internal coolant thread milling cutter for ISO n



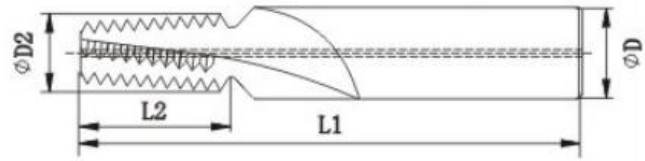
螺纹		螺距		尺寸				最小加工 孔径	螺纹
Size & Pitch		Pitch		Dimension				Min. Dia.. of the hole	Size & Pitch
粗牙 Coarse	细牙 Fine	mm	D	D2	L1	L2	mm		内螺纹刀 Internal thread milling
M3X0.5	M3.5-M16X0.5	0.50	4	2.40	46	4.5	2.5		LZ04024L04-N0.50ISO
M4X0.7		0.70	4	3.15	46	6.3	3.3		LZ04031L06-N0.70ISO
M5X0.8		0.80	4	3.90	46	7.2	4.2		LZ04039L07-N0.80ISO
M6X1.0	M8-M40X1.0	1.00	6	4.80	58	9.0	5.0		LZ06048L09-N1.00ISO
M8X1.25		1.25	8	6.50	62	12.5	6.8		LZ08065L13-N1.25ISO
M10X1.5	M12-M48X1.5	1.50	10	8.20	74	15.0	8.5		LZ10082L15-N1.50ISO
M12X1.75		1.75	10	9.90	74	17.5	10.3		LZ10099L18-N1.75ISO
M14X2.0	M17-M80X2.0	2.00	12	11.60	74	20.0	12.0		LZ12116L21-N2.00ISO
M16X2.0	M17-M80X2.0	2.00	14	13.60	93	24.0	14.0		LZ14136L25-N2.00ISO

中心内冷美制统-螺纹-LZ-UN-T Internal coolant UN thread milling cutter



螺纹 Size			螺距 Pitch	尺寸 Dimension				最小加工孔径 Min Dia. of the hole	订货号 Model No.
UNC	UNF	UNEF	tpi	D	D2	L1	L2	mm	内螺纹刀 Internal thread milling
	No. 10x32	No. 12-3/8x32	32	4	3.80	46	9.5	4.0	LZ 04038L09-N32UNF
		No. 12-3/8x32	32	6	4.40	58	11.1	4.7	LZ06044L11-N32UNEF
	No. 12,1/4x28	7/16"; 1/2"x 8	28	6	4.30	58	10.9	4.6	LZ06043L11-N28UNF
	1/4.X28	7/16"; 1/2"x 28	28	6	5.15	58	12.7	5.5	LZ 06052L13-N28UNF
		7/16"; 1/2"x28	28	10	9.90	74	21.8	10.2	LZ 10099L22-N28UNEF
N0.10X24	5/16", 3/8"x24	9/16"-11/16"x 24	24	4	3.68	46	9.5	3.8	LZ 04035L10-N24UNC
No. 12x24	5/16", 3/8"x24	9/16"-11/16"x 24	24	6	4.15	58	10.6	4.5	I Z 06041L11-N24UNC
	5/16", 3/8"x24	9/16"-11/16"x 24	24	8	6.68	62	15.9	6.9	LZ 08066L16-N24UNF
	3/8"x24	9/16"-11/16"x24	24	10	8.20	74	19.0	8.5	LZ 10082L19-N24UNF
		9/16"-11/16"x 24	24	14	12.90	93	28.6	13.2	LZ 14129L29 - N24UNEF
1/4"X20	7/16", 1/2"x 20	3/4"-1"x20	20	6	4.88	58	12.7	5.1	LZ0604BL13-N20UNC
	7/16", 1/2"x 20	3/4"-1"x20	20	10	9.60	74	21.6	9.9	LZ 10096L22-N20UNF
	1/2-X20	3/4"-1"x20	20	12	11.10	81	25.4	11.5	LZ12111L26-N20UNF
		3/4"-rx20	20	18	17.40	103	38.1	17.8	LZ 18174L38-N20UNEF
5/16"X18	9/16", 5/8"x18	11/16"-1 1/8"x18	18	8	6.15	62	15.5	6.6	LZ 08061L16-N18UNC
	9/16", 5/8"x18	11/16V18	18	14	12.50	93	28.2	13.0	LZ 14125L28-N18UNF
	5/8"x18	11/16"-111/16"x18	18	16	14.10	93	31.0	14.6	LZ16141L31-N18UNF
3/8"X16	3/4"X16		16	8	7.65	62	19.0	8.0	LZ08076L19-N16UNC
	3/4\16		16	18	17.00	103	38.1	17.5	LZ 18170L38-N16UNF
7/16"-X14	7/8"X14		14	10	9.00	74	21.8	9.4	LZ 10090L22-N14UNC
	7/8"X14		14	20	19.90	103	43.5	20.5	LZ20199L44-N14UNF
	1/2"x13		13	12	10.35	81	25.4	10.9	LZ 12104L26-N13UNC
9/16"x12	1"-1 1/2"x12		12	12	11.80	81	27.5	12.3	LZ12118L28-N12UNC
	1"-1 1/2"x12		12	20	19.90	103	50.8	23.5	LZ20199L51-N12UNF
5/8"x11			11	14	13.10	93	32.3	13.7	LZ14131L33-N11UNC
	3/4"x10		10	16	15.90	93	38.1	16.7	LZ 16159L39-N10UNC
7/8"X9			9	20	19.00	103	45.2	19.5	LZ20190L46-N9UNC

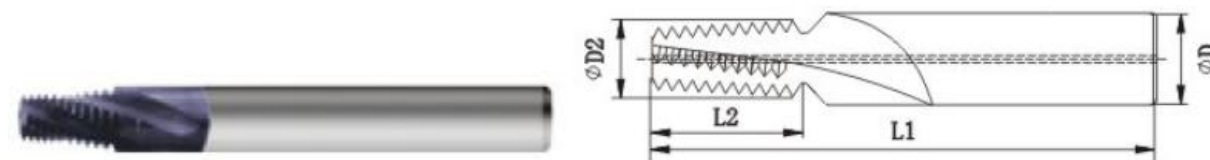
中心内冷美制统-螺纹铣刀-LZ-UN-T Internal coolant UN thread milling cutter



螺纹			螺距		尺寸				最小工 孔径 Min Dia. of the hole	订货号
Size			Pitch		Dimension					Model No.
UNC	UNF	UNEF	tpi	D	D2	L1	L2	mm	螺纹刀内 Internal thread milling	
NO.10X2 4	5/16", 3/8"x24	9/16"-11/16"x2 4	24	4	3.58	46	7.4	3.8	LZ 04035L07-N24UNC	
NO.T2x2 4	5/16", 3/8"x24	9/16"-11/16"x2 4	24	6	4.15	58	8.5	4.5	LZ 06041L08-N24UNC	
1/4"x20	7/16", 1/2"x20	3/4"-1"x20	20	6	4.88	58	8.9	5.1	LZ 06048L09-N20UNC	
5/16"x18	9/16", 5/8"x18	11/16"-111/16" x18	18	8	6.15	62	11.3	6.6	LZ 08061L11-N18UNC	
3/8"x16	3/4"x16		16	8	7.65	62	14.3	8.0	LZ08076L15-N16UNC	
7/16"x14	7/8"x14		14	1 0	9.00	74	16.3	9.4	LZ 10090L17-N14UNC	
1/2"x13			13	1 2	10.3 5	74	19.5	10.9	LZ 12104L20-N13UNC	
9/16"x12	1"-1 1/2"x12		12	1 2	11.8	74	21.2	12.3	LZ 12118L22-N12UNC	

中心内冷美制干密封管螺纹铣刀-LZ-NPTF-T

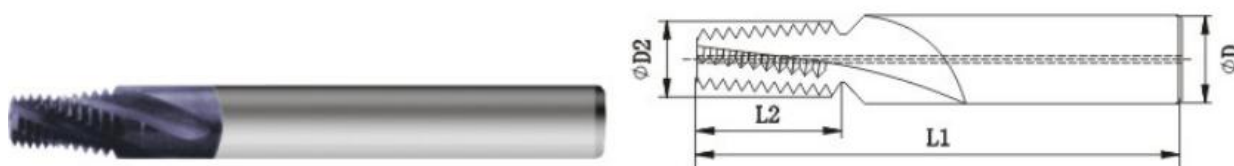
Internal coolant NPTF thread milling cutter



螺纹 Size	螺距 Pitch	尺寸 Dimension				最小加工孔径 Min Dia. of the hole	订货号 Model No.
	mm	D	D2	L1	L2	mm	
1/16x27	27.0	6	5.90	58	9.4	6.1	LZ06059L09-WN27NPTF
1/8x27	27.0	8	7.65	62	9.4	8.4	LZ08076L09-WN27NPTF
1/4x18	18.0	10	9.90	74	14.1	11.1	L210099L14-WN18NPTF
3/8x18	18.0	12	11.15	74	14.1	14.3	LZ12111L14-WN18NPTF
1/2, 3/4x14	14.0	16	14.25	93	18.1	17.9, 23.0	LZ16142L19-WN14NPTF
1, 1 1/4, 1 1/2, 2x11.5	11.5	20	19.60	103	22.1	29.0, 37.7, 43.7	LZ20196L23-WN11.5NPTF
2 1/2x8; 3x8	8.0	20	19.60	103	31.7	66.3, 82.1	LZ20196L33-WN8NPTF

中心内冷美制密封管螺纹铣刀

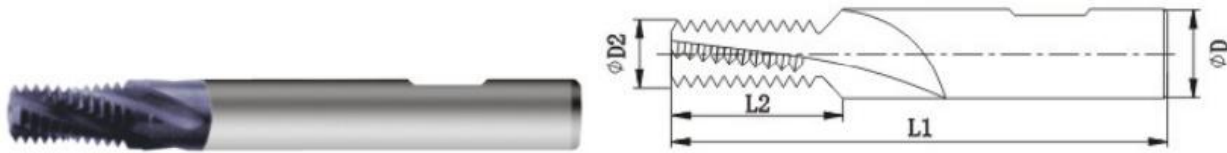
Internal coolant NPT thread milling cutter



螺纹 Size	螺距 Pitch	尺寸 Dimension				最小加工孔径 Min Dia. of the hole	订货号 Model No.
	mm	D	D2	L1	L2	mm	
1/16x27	27.0	6	5.90	58	9.4	6.2	LZ06059L09-WN27NPT
1/8x27	27.0	8	7.65	62	9.4	8.4	LZ08076L09-WN27NPT
1/4x18	18.0	10	9.90	74	14.1	11.1	LZ10099L14-WN18NPT
3/8x18	18.0	12	11.15	74	14.1	14.3	LZ12111L14-WN18NPT
1/2, 3/4x14	14.0	16	14.25	93	18.1	17.9, 23.0	LZ16142L19-WN14NPT
1, 1 1/4, 1 1/2, 2x11.5	11.5	20	19.60	103	22.1	29.0, 37.7, 44.0	LZ20196L23-WN11.5NPT
2 1/2x8 8.0 20			19.60	103	31.7	66.7, 82.1	LZ20196L33-WN8NPT

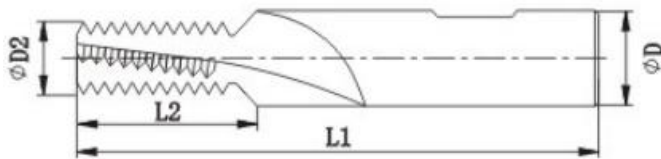
公制螺纹铣刀-LZ-ISO-N

Thread milling cutter for ISO metric thread



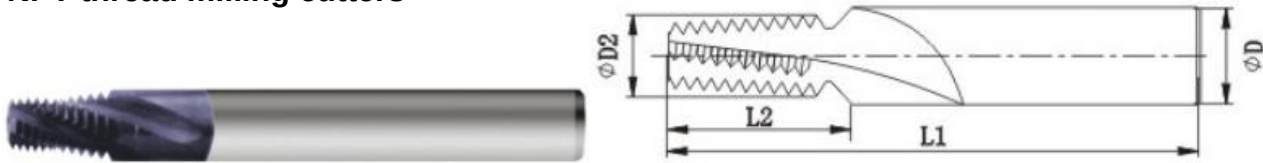
螺纹 Size	螺距 Pitch	尺寸 Dimension					最小加工孔径 Min Dia. of the hole	订货号 Model No.
粗牙	细牙	mm	D1	D2	L1	L2	mm	内螺纹刀 Internal thread milling
	M5x0.75	0.75	6	3.6	58	10.5	4.2	LZ06036-N0.75ISO
M5x0.8		0.80	6	3.5	58	10.4	4.2	LZ06035-N0.80ISO
M6x1.0		1.00	8	4.1	64	12.0	5.0	LZ08041-N1.0ISO
	M8x1.0	1.00	10	6.0	74	16.0	7.0	LZ10060-N1.0ISO
M8x1.25		1.25	10	5.8	74	16.3	6.8	LZ10058-N1.25ISO
	M10 x1.0	1.00	10	7.9	74	20.0	9.0	LZ10079-N1.0ISO
	M10 x1.26	1.25	10	7.7	74	20.0	8.8	LZ10077-N1.25ISO
M10 x1.5		1.50	10	7.7	74	21.0	8.5	LZ10077-N1.5ISO
	M12x1.0	1.00	12	9.6	84	24.0	11.0	LZ12096-N1.0ISO
	M12x1.25	1.25	12	9.4	84	25.0	10.8	LZ12094-N1.25ISO
	M12x1.5	1.50	12	9.4	84	24.0	10.5	LZ12094-N1.5ISO
M12 x 1.75		1.75	12	8.7	84	24.5	10.2	LZ12087-N1.75ISO
	M14x1.0	1.00	16	11.5	93	28.0	13.0	LZ16115-N1.0ISO
	M14 x 1.5	1.50	16	11.2	93	28.5	12.5	LZ16112-N1.5ISO
M 14x2.0		2.00	16	10.2	93	28.0	12.0	LZ16102-N2.0ISO
	M16x1.5	1.50	16	13.0	93	33.0	14.5	LZ16130-N1.5ISO
M 16x2.0		2.00	16	12.2	93	32.0	14.0	LZ16122-N2.0ISO
	M18 x 1.5	1.50	16	14.8	93	36.0	16.5	LZ16148-N1.5ISO
M 18x2.5		2.50	20	12.9	105	37.5	15.5	LZ20129-N2.5ISO
	M20x1.5	1.50	20	16.5	105	40.5	18.5	L220166-N1.5ISO
M20x2.5		2.50	20	14.8	105	40.0	17.5	LZ20148-N2.5ISO
M24x3.0		3.00	20	16.2	105	42.0	21.0	LZ20162—N3.0ISO

美制统一螺纹铣刀-LZ-UN-N UNF/UNC thread milling cutter



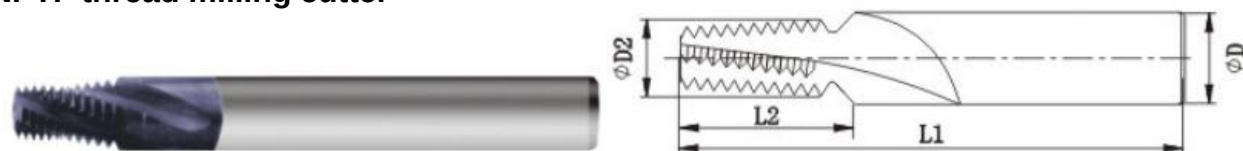
螺纹 Size		螺距 Pitch	尺寸 Dimension				最小加工孔径 Min Dia. of the hole	订货号 Model No.
UNC	UNF	tpi	D	D2	L1	L2	mm	内螺纹刀 Internal thread milling
	No. 10x32	32	6	3.3	57	10.3	4.0	LZ06033-N32UNF
No. 10x24		24	6	2.9	57	10.6	3.8	LZ06029-N24UNC
	No. 12x28	28	8	3.8	63	11.8	4.6	LZ08038-N28UNF
No. 12x24		24	8	3.5	63	11.6	4.5	LZ08035-N24UNC
	1/4"x 28	28	8	4.6	63	12.7	5.5	LZ08046-N28UNF
1/4"x20		20	8	4.0	63	12.7	5.2	LZ08040-N20UNC
	5/16"x 24	24	10	5.7	73	15.9	6.8	LZ10057-N24UNF
5/16"x 18		18	10	5.2	73	16.9	6.5	LZ10052-N18UNC
	3/8"x 24	24	10	7.4	73	19.1	8.5	LZ10074-N24UNF
3/8"x 16		16	10	6.7	73	19.1	8.0	LZ10067-N16UNC
7/16"x 14		14	12	7.6	83	23.6	9.3	LZ12076-N14UNC
	7/16"x 20	20	12	8.5	83	22.9	9.8	L212086-N20UNF
1/2"x13		13	12	8.9	83	25.4	10.8	LZ12089-N13UNC
	1/2"x 20	20	12	10.1	83	25.4	11.5	LZ12101-N20UNF
9/16"x12		12	16	10.3	92	29.6	12.3	LZ16103-N12UNC
	9/16"x18	18	16	11.3	92	29.6	12.8	LZ16113-N18UNF
5/8"x 11		11	16	11.0	92	32.3	13.5	LZ16110-N11UNC
	5/8\18	18	16	12.8	92	32.5	14.5	LZ16128-N18UNF
3/4"x 10		10	20	13.5	104	38.1	16.5	LZ20136-N10UNC
7/8"x 9		9	20	15.2	104	42.3	19.5	LZ20152-N9UNC
1"x 8		8	20	17.0	104	41.3	22.3	LZ20170-N8UNC

美制密封管螺纹铣刀-LZ-NPT-N NPT thread milling cutters



螺纹 Size	螺距 Pitch	尺寸 Dimension				最小加工孔径 Min Dia. of the hole	订货号 Model No.
Standard	tpi	D	D2	L1	L2	mm	
1/16"X27	27.0	10	5.3	73	9.4	6.3	LZ10053-WN27NPT
1/8"X27	27.0	12	7.5	83	9.4	8.5	LZ12075-WN27NPT
1/4"X18	18.0	16	9.4	92	14.1	11.1	LZ16094-WN18NPT
3/8"X18	18.0	16	12.7	92	14.1	14.5	LZ16127-WN18NPT
1/2"X14, 3/4"X14	14.0	20	15.5	104	25.4	17.7, 23.0	LZ20155-WN14NRT
V-Z"X11.5	11.5	20	19.9	104	33.1	29.0 - 66.0	LZ20199-WN11.5NPT
2 1/2"X8	8.0	20	19.9	104	38.1	66.5	LZ20199-WN8NPT

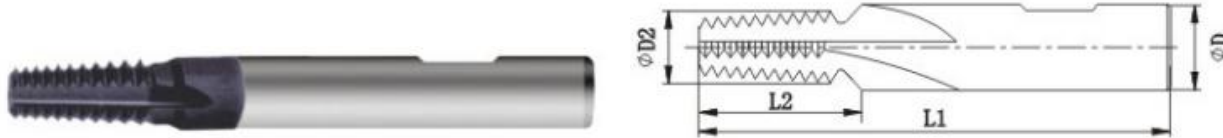
美制干密封管螺纹铣刀-LZ-NPTF-N NPTF thread milling cutter



螺纹 Size	螺距 Pitch	尺寸 Dimension				最小加工孔径 Min Dia. of the hole	订货号 Model No.
Standard	tpi	D1	D2	L1	L2	mm	
1/16"-X27	27.0	10	5.03	73	9.4	6.3	LZ 10063-WN27NPTF
1/8"-X27	27.0	12	7.50	83	9.4	8.4	LZ 12075-WN27NPTF
1/4"-X18	18.0	16	9.40	92	14.1	11.1	LZ 16094-WN18NPTF
3/8"-X18	18.0	16	12.70	92	14.1	14.7	LZ 16127 -WN18NPTF
1/2"-X14, 3/4"-X14	14.0	20	15.50	104	25.4	17.9, 23.4	LZ20155-WN14NPTF
mi 1.5	11.5	20	19.90	104	33.1	29.4 - 56.2	LZ20199-WN11.5NPT
2 1/2"-X8	8.0	20	19.90	104	38.1	67	LZ 20199-WN8NPTF

美制密封管螺纹铣刀-ZZ-NPT-N

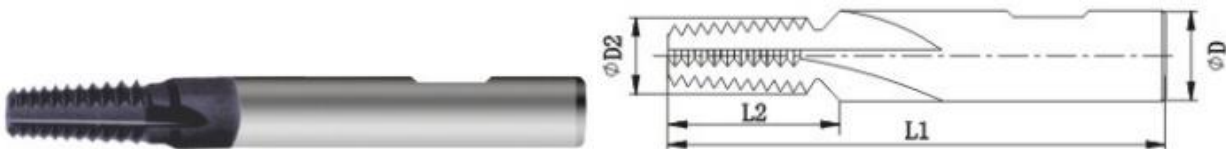
NPT thread milling cutters with tapered threads



螺纹 Size		尺寸 Dimension				牙高 Height of tooth	订货号 Model No.
tpi	Min. Dia..	D	D2	L1	L2	mm	
27.0	1/16"	6	5.9	57	9.41	0.66	ZZ06059-WN27NPT
18.0	1/4"	8	7.9	63	14.11	1.01	ZZ08079-WN18NPT
14.0	1/2"	12	11.9	83	19.96	1.33	ZZ12119-WN14NPT
11.5	1"	16	15.9	92	26.51	1.64	ZZ16159-WN11.5NP
8.0	2 1/2"	16	15.9	92	38.10	2.42	ZZ16159-WN8NPT

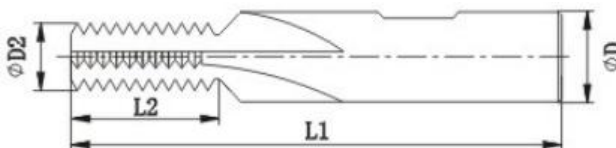
美制干密封管螺纹铣刀-ZZ-NPTF-N

NPTF thread milling cutter for tapered threads



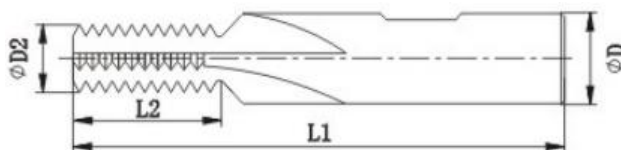
螺纹 Size		尺寸 Dimension				牙高 Height of tooth	订货号 Model No.
tpi	Min. Dia..	D	D2	L1	L2	mm	
27.0	1/16"	6	5.9	68	9.41	0.64	ZZ06059-WN27NP
18.0	1/4"	8	7.9	64	14.11	1.00	ZZ08079-WN18NP
14.0	1/2"	12	11.9	84	19.96	1.35	ZZ12119-WN14NP
11.5	1"	16	15.9	93	26.51	1.63	ZZ16159-WN11.5N
8.0	2 1/2"	16	15.9	93	38.10	2.38	ZZ16159-WN8NPT

公制螺纹铣刀-ZZ-ISO-N Thread milling cutter for ISO metric



螺纹 Size		尺寸 Dimension				牙高 Height of tooth	订货号 Model No.
螺距 mm	Min. Dia.	D	D2	L1	L2	mm	外螺纹刀 External thread milling
0.50	M3	6	5.9	58	15.0	0.31	ZZ06059-W0.5ISO
0.75	M4.5	8	7.9	64	19.5	0.46	ZZ08079-W0.75ISO
1.00	M6	10	9.9	73	24.0	0.61	ZZ10099-W1.0ISO
1.60	M 10	12	11.9	84	30.0	0.92	ZZ12119-W1.5ISO
2.00	M 14	12	11.9	84	30.0	1.23	ZZ12119-W2.0ISO
3.00	M24	16	15.9	93	36.0	1.84	ZZ16159-W3.0ISO
4.00	M36	16	15.9	93	40.0	2.45	ZZ16159-W4.0ISO
6.00	M64	20	19.9	106	36.0	3.68	ZZ20199-W6.0ISO
螺纹		尺寸				牙高	订货号
螺距 mm	Min. Dia.	D	D2	L1	L2	mm	内螺纹刀 Internal thread millinmg
0.75	M4.5	4	3.0	43	6.7	0.43	ZZ04030-N0.75ISO
0.75	M8	6	5.9	58	15.0	0.43	ZZ06059-N0.75ISO
0.80	M5	4	3.6	43	8.0	0.46	ZZ04036-N0.8ISO
1.00	M6	6	4.0	58	9.0	0.68	ZZ06040-N1.0ISO
1.00	M 12	8	7.9	64	20.0	0.58	ZZ08079-N1.0ISO
1.25	M8	6	5.0	68	12.5	0.72	ZZ06050-N1.25ISO
1.25	M10	6	5.9	58	15.0	0.87	ZZ06059-N1.5ISO
1.60	M14	10	9.9	73	24.0	0.87	ZZ10099-N1.5ISO
1.60	M 18	12	11.9	84	30.0	0.87	ZZ12119-N1.5ISO
1.75	M12	8	7.9	64	19.2	1.01	ZZ08079-N1.75ISO
2.00	M 16	10	9.9	73	24.0	1.15	ZZ10099-N2.0ISO
2.00	M 18	12	11.9	84	30.0	1.15	ZZ12119-N2.0ISO
2.50	M20	12	11.9	84	30.0	1.44	ZZ12119-N2.5ISO
3.00	M24	16	15.9	93	36.0	1.73	ZZ16159-N3.0ISO
3.60	M30	16	15.9	93	38.5	2.02	ZZ16159-N3.5ISO
4.00	M36	16	15.9	93	40.0	2.31	ZZ16159-N4.0ISO
5.00	M48	20	19.9	105	40.0	2.89	ZZ20199-N5.0ISO
6.00	M64	20	19.9	105	36.0	3.46	ZZ20199-N6.0ISO

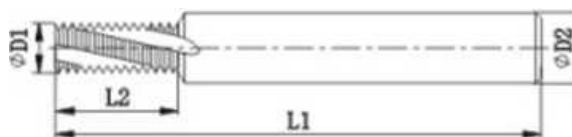
美制统一螺纹铣刀 **ZZ-UN-N** UN thread milling cutter



螺纹 Size		尺寸 Dimension				牙高 Height of tooth	订货号 Model No.
tpi	Min.Dia.	D	D2	L1	L2	mm	外螺纹刀 External thread milling
32	No. 6	6	5.9	57	14.3	0.49	ZZ06059-W32UN
28	No. 12	8	7.9	63	19.9	0.56	ZZ08079-W28UN
20	1/4"	10	9.9	72	22.9	0.78	ZZ10099-W20UN
18	5/16"	10	9.9	72	24.0	0.87	ZZ10099-W18UN
16	3/8"	12	11.9	83	28.6	0.97	ZZ12119-W16UN
12	9/16"	12	11.9	83	29.6	1.30	ZZ12119-W12UN
8	1"	16	15.9	92	38.1	1.95	ZZ16159-W8UN
6	1 3/8"	20	19.9	104	38.1	2.60	ZZ20199-W6UN
螺纹		尺寸				牙高	订货号
tpi	Min. Dia.	D	D2	L1	L2	mm	内螺纹刀 Internal thread milling
36	No. 8	4	3.0	42	6.3	0.41	ZZ04030-N36UN
32	No. 8	4	3.0	42	6.3	0.46	ZZ04030-N32UN
32	5/16"	6	5.9	57	14.3	0.46	ZZ06059-N32UN
28	No. 12	4	3.6	42	8.2	0.52	ZZ04036-N28UN
28	7/16"	8	7.9	63	19.9	0.52	ZZ08079-N28UN
24	No. 12	6	4.0	57	8.5	0.61	ZZ06040-N24UN
20	1/4"	6	4.0	57	10.2	0.73	ZZ06040-N20UN
20	9/16"	10	9.9	72	22.9	0.73	ZZ10099-N20UN
18	5/16"	6	5.0	57	12.7	0.81	ZZ06050-N18UN
18	9/16"	10	9.9	72	24.0	0.81	ZZ10099-N18UN
16	3/8"	6	5.9	57	14.3	0.92	ZZ06069-N16UN
16	13/16"	12	11.9	83	28.6	0.92	ZZ12119-N16UN
14	7/16"	8	7.9	63	18.1	1.06	ZZ08079-N14UN
13	1/2"	8	7.9	63	19.5	1.13	ZZ08079-N13UN
12	9/16"	10	9.9	72	23.3	1.22	ZZ10099-N12UN
12	1"	12	11.9	83	29.6	1.22	ZZ12119-N12UN
11	5/8"	10	9.9	72	23.1	1.33	ZZ10099-N11UN
10	3/4"	12	11.9	83	27.9	1.47	ZZ12119-N10UN
9	7/8"	16	15.9	92	33.3	1.63	ZZ16159-N9UN
8	1"	16	15.9	92	38.1	1.83	ZZ16159-N8UN
7	1 1/8"	16	15.9	92	36.3	2.09	ZZ16159-N7UN
6	1 3/8"	20	19.9	104	38.1	2.44	ZZ20199-N6UN
5	1 3/4"	20	19.9	104	40.6	2.93	ZZ20199-N5UN
4.5	2"	20	19.9	104	39.5	3.26	ZZ20199-N4.5UN

螺纹铣刀(D1:M5-M27)

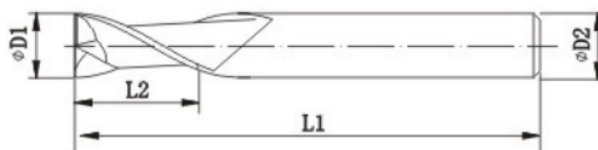
Thread milling cutter M5-M7



螺纹 Size					柄径 Shank Dia.	刃径 Mill Dia.	总长 O.A.L.	刃长 Flute length	订货号 Model No.
螺距 mm	M 粗牙 Coarse	M 粗牙	M 细牙 Fine	M 细牙	D2	D1	L1	L2	
0.50	M3	3	4	$\Phi \geq 4$	6	2.2	58	5.3	MLX06022050
0.50			5	$\Phi \geq 5$	6	3.8	58	10.3	MLX06038050
0.70	M4	4	5	$\Phi \geq 5$	6	3.1	68	7.4	MLX06031070
0.75			6	$\Phi \geq 6$	6	4.5	68	10.1	MLX06045075
0.80	M5	5	6	$\Phi \geq 6$	6	3.6	58	9.2	MLX06036080
1.00	M6	6	7	$\Phi \geq 7$	6	4.0	58	10.5	MLX06040100
1.00	M6	6	7	$\Phi \geq 7$	6	4.0	58	14.5	MLX06040100
1.00			9	$\Phi \geq 9$	6	6.0	68	12.5	MLX06060100
1.00			10	$\Phi \geq 10$	8	8.0	64	16.5	MLX08080100
1.25	M8	8	10	$\Phi \geq 10$	6	5.0	68	14.4	MLX06050125
1.25	M8	8	10	$\Phi \geq 10$	6	5.0	58	19.4	MLX06060125
1.60	M10	10	12	$\Phi \geq 12$	8	7.0	64	17.3	MLX08070150
1.60	M10	10	12	$\Phi \geq 12$	8	7.0	76	24.8	MLX08070150
1.60			14	$\Phi \geq 14$	10	10.0	73	21.8	MLX10100150
1.50			20	$\Phi \geq 20$	16	16.0	105	33.8	MLX16160150
1.75	M12	12	14	$\Phi \geq 14$	8	8.0	64	20.1	MLX08080175
1.75	M12	12	14	$\Phi \geq 14$	8	8.0	76	28.9	MLX08080175
2.00	M16	16	17	$\Phi \geq 17$	10	10.0	73	27.0	MLX10100200
2.00	M16	16	17	$\Phi \geq 17$	10	10.0	105	39.0	MLX10100200
2.00			18	$\Phi \geq 18$	12	12.0	84	27.0	MLX121202CX)
2.00			26	$\Phi \geq 26$	20	20.0	105	41.0	MLX20200200
2.50	M20	20	22	$\Phi \geq 22$	14	14.0	84	33.8	MLX14140250
2.50	M20	20	22	$\Phi \geq 22$	14	14.0	106	48.8	MLX14140260
3.00	M24	24	25	$\Phi \geq 25$	16	16.0	106	40.5	MLX16160300
3.00	M24	24	25	$\Phi \geq 25$	16	16.0	120	58.5	MLX16160300
3.00	M27	27	28	$\Phi \geq 28$	20	20.0	106	43.5	MLX20200300

通用立铣刀 3123K

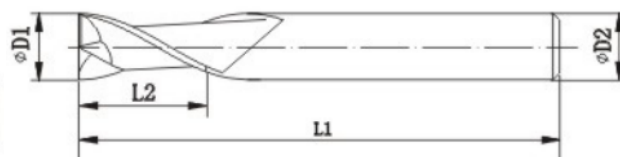
General carbide end mills



刃径	柄径	总长	刃长	刃数	订货号	
Mill Dia.	Shank Dia.	O.A.L.	Flute length	Flute No.	Model No.	
D1(h9)	D2(h6)	L1	L2	Z	不涂层 Uncoated	涂层 Coated
3	4	50	4	2	3123K-030	■ 3123K-030T
4	4	54	5	2	3123K-040	■ 3123K-040T
5	6	64	6	2	3123K-050	■ 3123K-050T
6	6	54	7	2	3123K-060	■ 3123K-060T
7	8	58	8	2	3123K-070	■ 3123K-070T
8	8	58	9	2	3123K-080	■ 3123K-080T
9	10	66	10	2	3123K-090	■ 3123K-090T
10	10	66	11	2	3123K-100	■ 3123K-100T
12	12	73	12	2	3123K-120	■ 3123K-120T
14	14	75	14	2	3123K-140	■ 3123K-140T
16	16	82	16	2	3123K-160	■ 3123K-160T
18	18	84	18	2	3123K-180	■ 3123K-180T
20	20	92	20	2	3123K-200	■ 3123K-200T

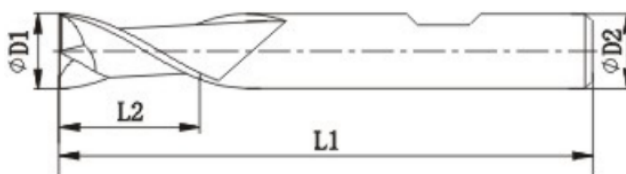
通用立铣刀 3123L

General carbide end mills



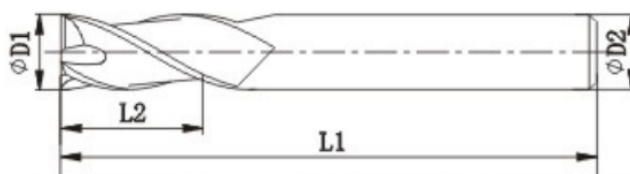
柄径	总长	刃长	刃数	订货号	
Mill Dia.	Shank Dia.	O.A.L.	Flute length	Flute No.	Model No.
D1(h9)	D2(h6)	L1	L2	Z	不涂层 Uncoated 涂层 Coated
3	4	57	7	2	3123 L-030 ■ 3123L-030T
4	4	57	8	2	3123 L-040 ■ 3123L-040T
5	6	57	10	2	3123 L-050 ■ 3123L-050T
6	6	57	10	2	3123 L-060 ■ 3123L-060T
7	8	63	13	2	3123 L-070 ■ 3123L-070T
8	8	63	16	2	3123L-080 ■ 3123L-080T
9	10	72	16	2	3123 L-090 ■ 3123L-090T
10	10	72	19	2	3123L-100 ■ 3123L-100T
12	12	83	22	2	3123 L-120 ■ 3123L-120T
14	14	83	22	2	3123L-140 ■ 3123L-140T
16	16	92	26	2	3123 L-160 ■ 3123L-160T
18	18	92	26	2	3123 L-180 ■ 3123L-180T
20	20	104	32	2	3123 L-200 ■ 3123L-200T

通用立铣刀 3123H General carbide end mills



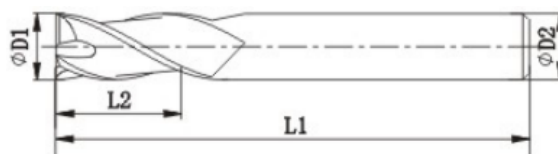
刃径	柄径	总长	刃长	刃数	订货号	
Mill Dia.	Shank Dia.	O.A.L.	Flute length	Flute No.	Model No.	
D1(h9)	D2(h6)	L1	L2	Z	不涂层 Uncoated	涂层 Coated
3	4	57	7	2	3123H-030	■ 3123H-030T
4	4	57	8	2	3123H-040	■ 3123H-040T
5	6	57	10	2	3123H-050	■ 3123H-050T
6	6	57	10	2	3123H-060	■ 3123H-060T
7	8	63	13	2	3123H-070	■ 3123H-070T
8	8	63	16	2	3123H-080	■ 3123H-080T
9	10	72	16	2	3123H-090	■ 3123H-090T
10	10	72	19	2	3123H-100	■ 3123H-100T
12	12	83	22	2	3123H-120	■ 3123H-120T
14	14	83	22	2	3123H-140	■ 3123H-140T
16	16	92	26	2	3123H-160	■ 3123H-160T
18	18	92	26	2	3123H-180	■ 3123H-180T
20	20	104	32	2	3123H-200	■ 3123H-200T

通用立铣刀 3133K
 General carbide end mills



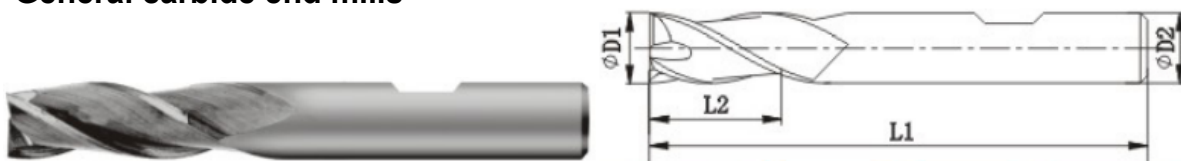
刀径	柄径	总长	刃长	刃数	订货号	
Mill Dia.	Shank Dia.	O.A.L.	Flute length	Flute No.	Model No.	
D1(h9)	D2(h6)	L1	L2	Z	不涂层 Uncoated	涂层 Coated
3	4	50	4	3	3133K-030	■ 3133K-030T
4	4	54	5	3	3133K-040	■ 3133K-040T
5	6	54	6	3	3133K-050	■ 3133K-050T
6	6	54	7	3	3133K-060	■ 3133K-060T
7	8	58	8	3	3133K-070	■ 3133K-070T
8	8	58	9	3	3133K-080	■ 3133K-080T
9	10	66	10	3	3133K-090	■ 3133K-090T
10	10	66	11	3	3133K-100	■ 3133K-100T
12	12	73	12	3	3133K-120	■ 3133K-120T
14	14	75	14	3	3133K-140	■ 3133K-140T
16	16	82	16	3	3133K-160	■ 3133K-160T
18	18	84	18	3	3133K-180	■ 3133K-180T
20	20	92	20	3	3133K-200	■ 3133K-200T

通用立铣刀 3133L General carbide end mills



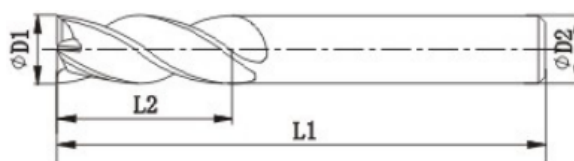
刃径	柄径	总长	刃长	刃数	订货号	
Mill Dia.	Shank Dia.	O.A.L.	Flute length	Flute No.	Model No.	
D1(h9)	D2(h6)	L1	L2	Z	不涂层 Uncoated	涂层 Coated
3	4	57	7	3	3133L-030	■ 3133L-030T
4	4	57	8	3	3133L-040	■ 3133L-040T
5	6	57	10	3	3133L-050	■ 3133L-050T
6	6	57	10	3	3133L-060	■ 3133L-060T
7	8	63	13	3	3133L-070	■ 3133L-070T
8	8	63	16	3	3133L-080	■ 3133L-080T
9	10	72	16	3	3133L-090	■ 3133L-090T
10	10	72	19	3	3133L-100	■ 3133L-100T
12	12	83	22	3	3133L-120	■ 3133L-120T
14	14	83	22	3	3133L-140	■ 3133L-140T
16	16	92	26	3	3133L-160	■ 3133L-160T
18	18	92	26	3	3133L-180	■ 3133L-180T
20	20	104	32	3	3133L-200	■ 3133L-200T

通用立铣刀 3133H General carbide end mills



刃径	柄径	总长	刃长	刃数	订货号	
Mill Dia.	Shank Dia.	O.A.L.	Flute length	Flute No.	Model No.	
D1(h9)	D2(h6)	L1	L2	Z	不涂层 Uncoated	涂层 Coated
3	4	57	7	3	3133H-030	■ 3133H-030T
4	4	57	8	3	3133H-040	■ 3133H-040T
5	6	57	10	3	3133H-050	■ 3133H-050T
6	6	57	10	3	3133H-060	■ 3133H-060T
7	8	63	13	3	3133H-070	■ 3133H-070T
8	8	63	16	3	3133H-080	■ 3133H-080T
9	10	72	16	3	3133H-090	■ 3133H-090T
10	10	72	19	3	3133H-100	■ 3133H-100T
12	12	83	22	3	3133H-120	■ 3133H-120T
14	14	83	22	3	3133H-140	■ 3133H-140T
16	16	92	26	3	3133H-160	■ 3133H-160T
18	18	92	26	3	3133H-180	■ 3133H-180T
20	20	104	32	3	3133H-200	■ 3133H-200T

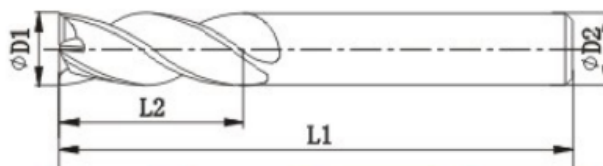
通用立铣刀 3143K General carbide end mills



刃径	柄径	总长	刃长	刃数	订货号	
Mill Dia.	Shank Dia.	O.A.L.	Flute length	Flute No.	Model No.	
D1(h9)	D2(h6)	L1	L2	Z	不涂层 Uncoated	涂层 Coated
3	4	50	5	4	3143K-030	■ 3143K-030T
4	4	54	8	4	3143K-040	■ 3143K-040T
5	6	64	9	4	3143K-050	■ 3143K-050T
6	6	54	10	4	3143K-060	■ 3143K-060T
7	8	58	11	4	3143K-070	■ 3143K-070T
8	8	58	12	4	3143K-080	■ 3143K-080T
9	10	66	13	4	3143K-090	■ 3143K-090T
10	10	66	14	4	3143K-100	■ 3143K-100T
12	12	73	16	4	3143K-120	■ 3143K-120T
14	14	75	18	4	3143K-140	■ 3143K-140T
16	16	82	22	4	3143K-160	■ 3143K-160T
18	18	84	24	4	3143K-180	■ 3143K-180T
20	20	92	26	4	3143K-200	■ 3143K-200T

通用立铣刀 3143L

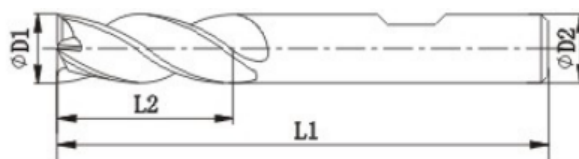
General carbide end mills



刃径	柄径	总长	刃长	刃数	订货号	
Mill Dia.	Shank Dia.	O.A.L.	Flute length	Flute No.	Model No.	
D1(h9)	D2(h6)	L1	L2	Z	不涂层 Uncoated	涂层 Coated
3	4	57	8	4	3143L-030	■ 3143L-030T
4	4	57	11	4	3143L-040	■ 3143L-040T
5	6	57	13	4	3143L-050	■ 3143L-050T
6	6	57	13	4	3143L-060	■ 3143L-060T
7	8	63	16	4	3143L-070	■ 3143L-070T
8	8	63	19	4	3143L-080	■ 3143L-080T
9	10	72	19	4	3143L-090	■ 3143L-090T
10	10	72	22	4	3143L-100	■ 3143L-100T
12	12	83	26	4	3143L-120	■ 3143L-120T
14	14	83	26	4	3143L-140	■ 3143L-140T
16	16	92	32	4	3143L-160	■ 3143L-160T
18	18	92	32	4	3143L-180	■ 3143L-180T
20	20	104	38	4	3143L-200	■ 3143L-200T

通用立铣刀 3143H

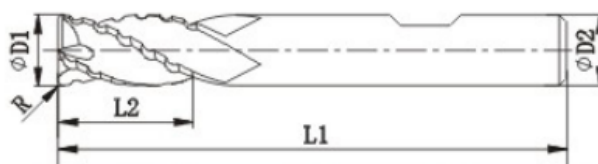
General carbide end mills



刃径	柄径	总长	刃长	刃数	订货号	
Mill Dia.	Shank Dia.	O.A.L.	Flute length	Flute No.	Model No.	
D1(h9)	D2(h6)	L1	L2	Z	不涂层 Uncoated	涂层 Coated
3	4	57	8	4	3143H-030	■ 3143H-030T
4	4	57	11	4	3143H-040	■ 3143H-040T
5	6	57	13	4	3143H-050	■ 3143H-050T
6	6	57	13	4	3143H-060	■ 3143H-060T
7	8	63	16	4	3143H-070	■ 3143H-070T
8	8	63	19	4	3143H-080	■ 3143H-080T
9	10	72	19	4	3143H-090	■ 3143H-090T
10	10	72	22	4	3143H-100	■ 3143H-100T
12	12	83	26	4	3143H-120	■ 3143H-120T
14	14	83	26	4	3143H-140	■ 3143H-140T
16	16	92	32	4	3143H-160	■ 3143H-160T
18	18	92	32	4	3143H-180	■ 3143H-180T
20	20	104	38	4	3143H-200	■ 3143H-200T

前波铣刀 3931L

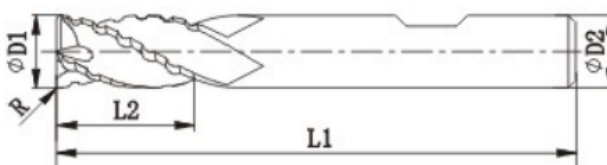
Front wave edge milling cutter



刃径	柄径	总长	刃长	R 径	刃数	订货号	
Mill Dia.	Shank Dia.	O.A.L.	Flute length.	R Dia.	Flute No.	Model No.	
D1(h9)	D2(h6)	L1	L2	R	Z	不涂层 Uncoated	涂层 Coated
8	8	63	19	1	3	3931L-080	■ 3931L-080T
10	10	72	22	1	3	3931L-100	■ 3931L-100T
12	12	83	26	1	3	3931L-120	■ 3931L-120T
14	14	83	26	1	3	3931L-140	■ 3931L-140T
16	16	92	32	1	3	3931L-160	■ 3931L-160T
18	18	92	32	1	3	3931L-180	■ 3931L-180T
20	20	104	38	1	3	3931L-200	■ 3931L-200T

四刃后波铣刀 3941L

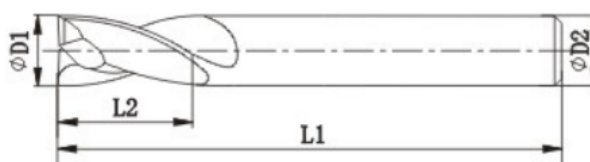
Four-blade rear wave cutter



刃径 Mill Dia.	柄径 Shank Dia.	总长 O.A.L.	刃长 Flute length.	R 径 R Dia.	刃数 Flute No.	订货号 Model No.	
D1(h9)	D2(h6)	L1	L2	R	Z	不涂层 Uncoated	涂层 Coated
8	8	63	19	1	4	3941L-080	■ 3941L-080T
10	10	72	22	1	4	3941L-100	■ 3941L-100T
12	12	83	26	1	4	3941L-120	■ 3941L-120T
14	14	83	26	1	4	3941L-140	■ 3941L-140T
16	16	92	32	1	4	3941L-160	■ 3941L-160T
18	18	92	32	1	4	3941L-180	■ 3941L-180T
20	20	104	38	1	4	3941L-200	■ 3941L-200T

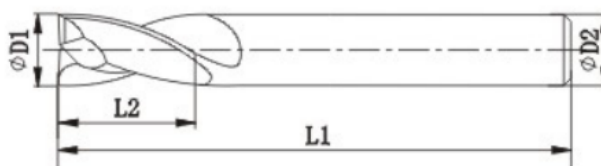
键槽铣刀 3223K

Keyway milling cutter



刃径 Mill Dia.	柄径 Shank Dia.	总长 O.A.L.	刃长 Flute length	刃数 Flute No.	订货号 Model No.	
D1(h9)	D2(h6)	L1	L2	Z	不涂层 Uncoated	涂层 Coated
3	4	50	6	2	3223K-030	■ 3223K-030T
4	4	54	7	2	3223K-040	■ 3223K-040T
5	6	54	8	2	3223K-050	■ 3223K-050T
6	6	54	10	2	3223K-060	■ 3223K-060T
7	8	58	11	2	3223K-070	■ 3223K-070T
8	8	58	12	2	3223K-080	■ 3223K-080T
9	10	66	13	2	3223K-090	■ 3223K-090T
10	10	66	14	2	3223K-100	■ 3223K-100T
12	12	73	16	2	3223K-120	■ 3223K-120T
14	14	75	18	2	3223K-140	■ 3223K-140T
16	16	82	22	2	3223K-160	■ 3223K-160T
18	18	84	24	2	3223K-180	■ 3223K-180T
20	20	92	26	2	3223K-200	■ 3223K-200T

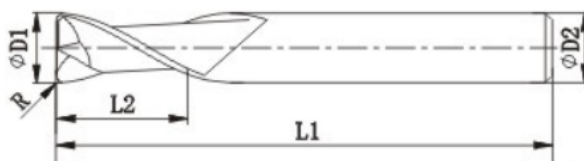
键槽铣刀 3223L
Keyway milling cutter



刃径	柄径	总长	刃长	刃数	订货号	
Mill Dia.	Shank Dia.	O.A.L.	Flute length	Flute No.	Model No.	
D1(h9)	D2(h6)	L1	L2	Z	不涂层 Uncoated	涂层 Coated
3	4	57	7	2	3223L-030	■ 3223L-030T
4	4	57	8	2	3223L-040	■ 3223L-040T
5	6	57	10	2	3223L-050	■ 3223L-050T
6	6	57	10	2	3223L-060	■ 3223L-060T
7	8	63	13	2	3223L-070	■ 3223L-070T
8	8	63	16	2	3223L-080	■ 3223L-080T
9	10	72	16	2	3223L-090	■ 3223L-090T
10	10	72	19	2	3223L-100	■ 3223L-100T
12	12	83	22	2	3223L-120	■ 3223L-120T
14	14	83	22	2	3223L-140	■ 3223L-140T
16	16	92	26	2	3223L-160	■ 3223L-160T
18	18	92	26	2	3223L-180	■ 3223L-180T
20	20	104	32	2	3223L-200	■ 3223L-200T

二刃 R 铣刀 3423K

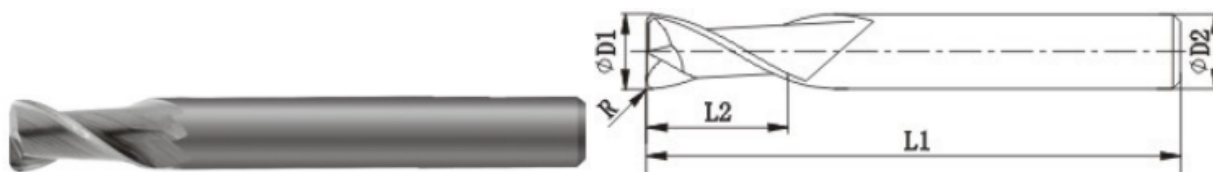
2 Flute round nose carbide end mill



刃径 Mill Dia.	柄径 Shank Dia.	总长 O.A.L.	刃长 Flute length.	R 径 R Dia.	刃数 Flute No.	订货号 Model No.	
D1(h9)	D2(h6)	L1	L2	R	z	不涂层 Uncoated	涂层 Coated
3	4	50	4	0.5	2	3423K-030	■ 3423K-030T
4	4	54	5	0.5	2	3423 K-040	■ 3423K-040T
5	6	54	6	0.5	2	3423 K-050	■ 3423K-050T
6	6	54	7	1.0	2	3423K-060	■ 3423K-060T
7	8	58	8	1.5	2	3423 K-070	■ 3423K-070T
8	8	58	9	2.0	2	3423 K-080	■ 3423K-080T
9	10	66	10	2.5	2	3423K-090	■ 3423K-090T
10	10	66	11	3.0	2	3423 K-100	■ 3423K-100T
12	12	73	12	3.0	2	3423 K-120	■ 3423K-120T
14	14	75	14	3.0	2	3423K-140	■ 3423K-140T
16	16	82	16	3.0	2	3423 K-160	■ 3423K-160T
18	18	84	18	3.0	2	3423 K-180	■ 3423K-180T
20	20	92	20	3.0	2	3423 K-200	■ 3423K-200T

二刃 R 铣刀 3423L

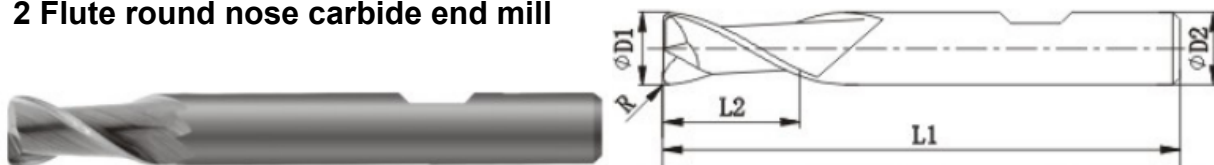
2 Flute round nose carbide end mill



刃径 Mill Dia.	柄径 Shank Dia.	总长 O.A.L.	刃长 Flute length.	R 径 R Dia.	刃数 Flute No.	订货号 Model No.	
D1(h9)	D2(h6)	L1	L2	R	Z	不涂层 Uncoated	涂层 Coated
3	4	57	7	0.5	2	3423L-030	■ 3423L-030T
4	4	57	8	0.5	2	3423L-040	■ 3423L-040T
5	6	57	10	0.5	2	3423L-050	■ 3423L-050T
6	6	57	10	1.0	2	3423L-060	■ 3423L-060T
7	8	63	13	1.5	2	3423L-070	■ 3423L-070T
8	8	63	16	2.0	2	3423L-080	■ 3423L-080T
9	10	72	16	2.5	2	3423L-090	■ 3423L-090T
10	10	72	19	3.0	2	3423L-100	■ 3423L-100T
12	12	83	22	3.0	2	3423L-120	■ 3423L-120T
14	14	83	22	3.0	2	3423L-140	■ 3423L-140T
16	16	92	26	3.0	2	3423L-160	■ 3423L-160T
18	18	92	26	3.0	2	3423L-180	■ 3423L-180T
20	20	104	32	3.0	2	3423L-200	■ 3423L-200T

二刃 R 铣刀 3423H

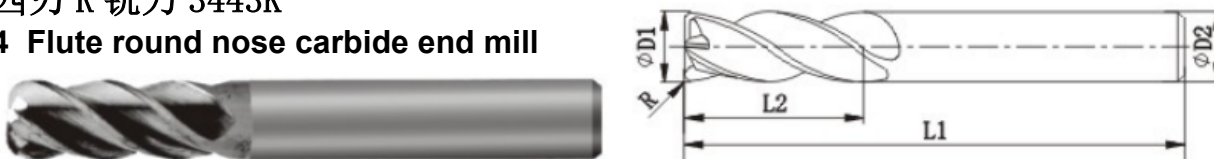
2 Flute round nose carbide end mill



刃径 Mill Dia.	柄径 Shank Dia.	总长 O.A.L.	刃长 Flute length.	R 径 R Dia.	刃数 Flute No.	订货号 Model No.	
D1(h9)	D2(h6)	L1	L2	R	Z	不涂层 Uncoated	涂层 Coated
3	4	57	7	0.5	2	3423H-030	■ 3423H-030T
4	4	57	8	0.5	2	3423H-040	■ 3423H-040T
5	6	57	10	0.5	2	3423H-050	■ 3423H-060T
6	6	57	10	1.0	2	3423H-060	■ 3423H-060T
7	8	63	13	1.5	2	3423H-070	■ 3423H-070T
8	8	63	16	2.0	2	3423H-080	■ 3423H-080T
9	10	72	16	2.5	2	3423H-090	■ 3423H-090T
10	10	72	19	3.0	2	3423H-100	■ 3423H-100T
12	12	83	22	3.0	2	3423H-120	■ 3423H-120T
14	14	83	22	3.0	2	3423H-140	■ 3423H-140T
16	16	92	26	3.0	2	3423H-160	■ 3423H-160T
18	18	92	26	3.0	2	3423H-180	■ 3423H-180T
20	20	104	32	3.0	2	3423H-200	■ 3423H-200T

四刃 R 铣刀 3443K

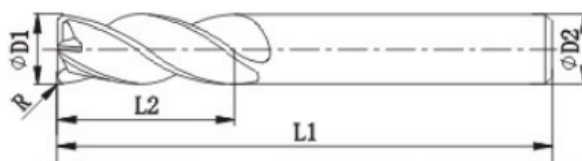
4 Flute round nose carbide end mill



刃径 Mill Dia.	柄径 Shank Dia.	总长 O.A.L.	刃长 Flute length.	R 径 R Dia.	刃数 Flute No.	订货号 Model No.	
D1(h9)	D2(h6)	L1	L2	R	Z	不涂层 Uncoated	涂层 Coated
3	4	60	5	0.5	4	3443K-030	■ 3443K-030T
4	4	54	8	0.5	4	3443K-040	■ 3443K-040T
5	6	54	9	0.5	4	3443K-050	■ 3443K-050T
6	6	54	10	1.0	4	3443K-060	■ 3443K-060T
7	8	58	11	1.5	4	3443K-070	■ 3443K-070T
8	8	58	12	2.0	4	3443K-080	■ 3443K-080T
9	10	66	13	2.5	4	3443K-090	■ 3443K-090T
10	10	66	14	3.0	4	3443K-100	■ 3443K-100T
12	12	73	16	3.0	4	3443K-120	■ 3443K-120T
14	14	75	18	3.0	4	3443K-140	■ 3443K-140T
16	16	82	22	3.0	4	3443K-160	■ 3443K-160T
18	18	84	24	3.0	4	3443K-180	■ 3443K-180T
20	20	92	26	3.0	4	3443K-200	■ 3443K-200T

四刃 R 铣刀 3443L

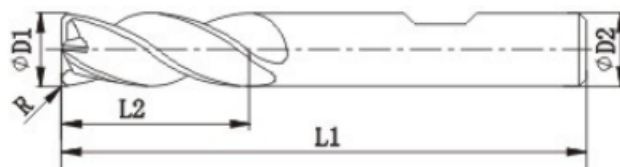
4 Flute round nose carbide end mill



刃径 Mill Dia.	柄径 Shank Dia.	总长 O.A.L.	刃长 Flute length.	R 径 R Dia.	刃数 Flute No.	订货号 Model No.	
D1(h9)	D2(h6)	L1	L2	R	Z	不涂层 Uncoated	涂层 Coated
3	4	57	8	0.5	4	3443L-030	■ 3443L-030T
4	4	57	11	0.5	4	3443L-040	■ 3443L-040T
5	6	57	13	0.5	4	3443L-050	■ 3443L-050T
6	6	57	13	1.0	4	3443L-060	■ 3443L-060T
7	8	63	16	1.5	4	3443L-070	■ 3443L-070T
8	8	63	19	2.0	4	3443L-080	■ 3443L-080T
9	10	72	19	2.5	4	3443L-090	■ 3443L-090T
10	10	72	22	3.0	4	3443L-100	■ 3443L-100T
12	12	83	26	3.0	4	3443L-120	■ 3443L-120T
14	14	83	26	3.0	4	3443L-140	■ 3443L-140T
16	16	92	32	3.0	4	3443L-160	■ 3443L-160T
18	18	92	32	3.0	4	3443L-180	■ 3443L-180T
20	20	104	38	3.0	4	3443L-200	■ 3443L-200T

四刃 R 铣刀 3443H

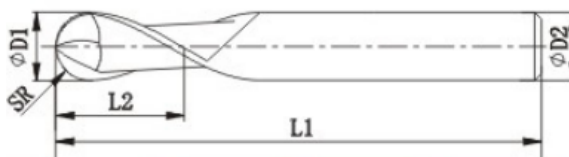
4 Flute round nose carbide end mill



刃径 Mill Dia.	柄径 Shank Dia.	总长 O.A.L.	刃长 Flute length.	R 径 R Dia.	刃数 Flute No.	订货号 Model No.	
D1(h9)	D2(h6)	L1	L2	R	Z	不涂层 Uncoated	涂层 Coated
3	4	57	8	0.5	4	3443H-030	■ 3443H-030T
4	4	57	11	0.5	4	3443H-040	■ 3443H-040T
5	6	57	13	0.5	4	3443H-050	■ 3443H-050T
6	6	57	13	1.0	4	3443H-060	■ 3443H-060T
7	8	63	16	1.5	4	3443H-070	■ 3443H-070T
8	8	63	19	2.0	4	3443H-080	■ 3443H-080T
9	10	72	19	2.5	4	3443H-090	■ 3443H-090T
10	10	72	22	3.0	4	3443H-100	■ 3443H-100T
12	12	83	26	3.0	4	3443H-120	■ 3443H-120T
14	14	83	26	3.0	4	3443H-140	■ 3443H-140T
16	16	92	32	3.0	4	3443H-160	■ 3443H-160T
18	18	92	32	3.0	4	3443H-180	■ 3443H-180T
20	20	104	38	3.0	4	3443H-2CX)	■ 3443H-200T

二刃球头铣刀 3323K

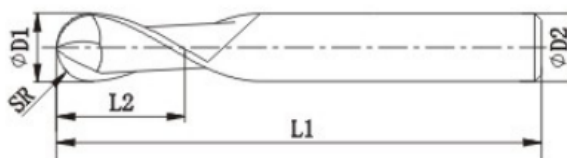
2 Flute ball nose carbide end mill



刃径 Mill Dia.	柄径 Shank Dia.	总长 O.A.L.	刃长 Flute length.	SR 径 R Dia.	刃数 Flute No.	订货号 Model No.	
D1(h9)	D2(h6)	L1	L2	SR	Z	不涂层 Uncoated	涂层 Coated
3	4	50	4	1.5	2	3323K-030	■ 3323K-030T
4	4	54	5	2.0	2	3323K-040	■ 3323K-040T
5	6	54	6	2.5	2	3323K-050	■ 3323K-050T
6	6	54	7	3.0	2	3323K-060	■ 3323K-060T
7	8	58	8	3.5	2	3323K-070	■ 3323K-070T
8	8	58	9	4.0	2	3323K-080	■ 3323K-080T
9	10	66	10	4.5	2	3323K-090	■ 3323K-090T
10	10	66	11	5.0	2	3323K-100	■ 3323K-100T
12	12	73	12	6.0	2	3323K-120	■ 3323K-120T
14	14	75	14	7.0	2	3323K-140	■ 3323K-140T
16	16	82	16	8.0	2	3323K-160	■ 3323K-160T
18	18	84	18	9.0	2	3323K-180	■ 3323K-180T
20	20	92	20	10.0	2	3323K-200	■ 3323K-200T

二刃球头铣刀 3323L

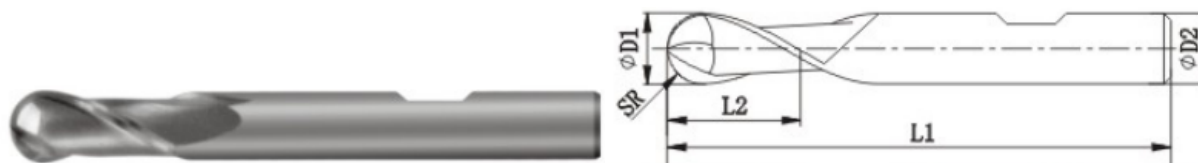
2 Flute ball nose carbide end mill



刃径 Mill Dia.	柄径 Shank Dia.	总长 O.A.L.	刃长 Flute length.	SR 径 R Dia.	刃数 Flute No.	订货号 Model No.	
D1(h9)	D2(h6)	L1	L2	SR	Z	不涂层 Uncoated	涂层 Coated
3	4	57	7	1.5	2	3323L-030	■ 3323L-030T
4	4	57	8	2.0	2	3323L-040	■ 3323L-040T
5	6	57	10	2.5	2	3323L-050	■ 3323L-050T
6	6	57	10	3.0	2	3323L-060	■ 3323L-060T
7	8	63	13	3.5	2	3323L-070	■ 3323L-070T
8	8	63	16	4.0	2	3323L-080	■ 3323L-080T
9	10	72	16	4.5	2	3323L-090	■ 3323L-090T
10	10	72	19	5.0	2	3323L-100	■ 3323L-100T
12	12	83	22	6.0	2	3323L-120	■ 3323L-120T
14	14	83	22	7.0	2	3323L-140	■ 3323L-140T
16	16	92	26	8.0	2	3323L-160	■ 3323L-160T
18	18	92	26	9.0	2	3323L-180	■ 3323L-180T
20	20	104	32	10.0	2	3323L-200	■ 3323L-200T

二刃球头铣刀 3323H

2 Flute ball nose carbide end mill



刃径 Mill Dia.	柄径 Shank Dia.	总长 O.A.L.	刃长 Flute length.	SR 径 R Dia.	刃数 Flute No.	订货号 Model No.	
D1(h9)	D2(h6)	L1	L2	SR	Z	不涂层 Uncoated	涂层 Coated
3	4	57	7	1.5	2	3323H-030	■ 3323H-030T
4	4	57	8	2.0	2	3323H-040	■ 3323H-040T
5	6	57	10	2.5	2	3323H-050	■ 3323H-050T
6	6	57	10	3.0	2	3323H-060	■ 3323H-060T
7	8	63	13	3.5	2	3323H-070	■ 3323H-070T
8	8	63	16	4.0	2	3323H-080	■ 3323H-080T
9	10	72	16	4.5	2	3323H-090	■ 3323H-090T
10	10	72	19	5.0	2	3323H-100	■ 3323H-100T
12	12	83	22	6.0	2	3323H-120	■ 3323H-120T
14	14	83	22	7.0	2	3323H-140	■ 3323H-140T
16	16	92	26	8.0	2	3323H-160	■ 3323H-160T
18	18	92	26	9.0	2	3323H-180	■ 3323H-180T
20	20	104	32	10.0	2	3323H-200	■ 3323H-200T

四刃球头铣刀 3343K

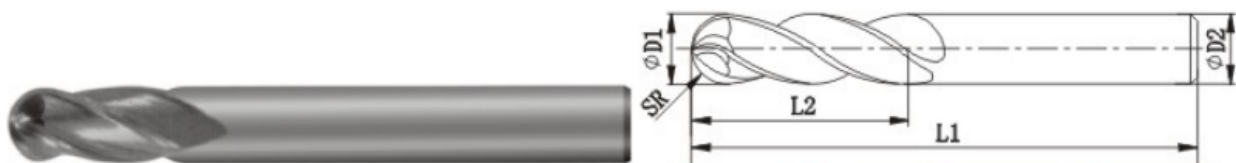
4 Flute ball nose carbide end mill



刃径 Mill Dia.	柄径 Shank Dia.	总长 O.A.L.	刃长 Flute length.	SR 径 R Dia.	刃数 Flute No.	订货号 Model No.	
D1(h9)	D2(h6)	L1	L2	SR	Z	不涂层 Uncoated	涂层 Coated
6	6	54	10	3	4	3343K-060	■ 3343K-060T
8	8	68	12	4	4	3343K-080	■ 3343K-080T
10	10	66	14	5	4	3343K-100	■ 3343K-100T
12	12	73	16	6	4	3343K-120	■ 3343K-120T
14	14	75	18	7	4	3343K-140	■ 3343K-140T
16	16	82	22	8	4	3343K-160	■ 3343K-160T
18	18	84	24	9	4	3343K-180	■ 3343K-180T
20	20	92	26	10	4	3343K-200	■ 3343K-200T

四刃球头铣刀 3343L

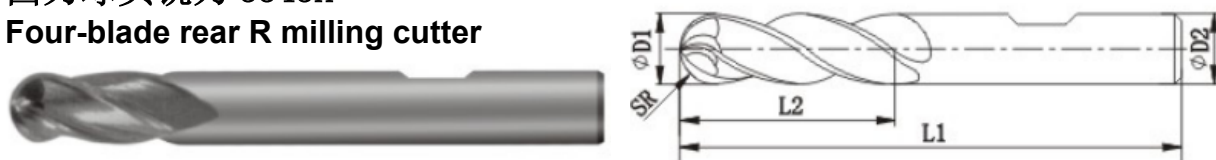
4 Flute ball nose carbide end mill



刃径 Mill Dia.	柄径 Shank Dia.	总长 O.A.L.	刃长 Flute length.	SR 径 R Dia.	刃数 Flute No.	订货号 Model No.	
D1(h9)	D2(h6)	L1	L2	SR	Z	不涂层 Uncoated	涂层 Coated
6	6	57	13	3	4	3343L-060	■ 3343L-060T
8	8	63	19	4	4	3343L-080	■ 3343L-080T
10	10	72	22	5	4	3343L-100	■ 3343L-100T
12	12	83	26	6	4	3343L-120	■ 3343L-120T
14	14	83	26	7	4	3343L-140	■ 3343L-140T
16	16	92	32	8	4	3343L-160	■ 3343L-160T
18	18	92	32	9	4	3343L-180	■ 3343L-180T
20	20	104	38	10	4	3343L-200	■ 3343L-200T

四刃球头铣刀 3343H

Four-blade rear R milling cutter



刃径 Mill Dia.	柄径 Shank Dia.	总长 O.A.L.	刃长 Flute length.	SR 径 R Dia.	刃数 Flute No.	订货号 Model No.	
D1(h9)	D2(h6)	L1	L2	SR	Z	不涂层 Uncoated	涂层 Coated
6	6	57	13	3	4	3343H-060	■ 3343H-060T
8	8	63	19	4	4	3343H-080	■ 3343H-080T
10	10	72	22	5	4	3343H-100	■ 3343H-100T
12	12	83	26	6	4	3343H-120	■ 3343H-120T
14	14	83	26	7	4	3343H-140	■ 3343H-140T
16	16	92	32	8	4	3343H-160	■ 3343H-160T
18	18	92	32	9	4	3343H-180	■ 3343H-180T
20	20	104	38	10	4	3343H-200	■ 3343H-200T

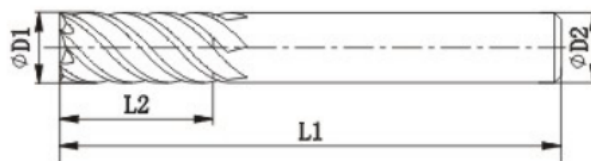
四刃锥度球头铣刀 3643S

4 Flute tapered ball nose carbide end mill



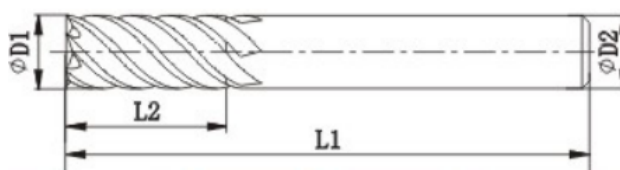
柄径 Mill Dia.	总长 O.A.L.	刃长 Flute length	半锥度 Flute length	SR 径 SR Dia.	刃数 Flute No.	订货号 Model No.	
D2(h6)	L1	L2	a/2	SR	Z	不涂层 Uncoated	涂层 Coated
10	100	45	4°	2	4	3643S-100-2	■ 3643S-100-2T
10	100	31	4°	3	4	3643S-100-3	■ 3643S-100-3T
12	120	46	4°	3	4	3643S-120-3	■ 3643S-120-3T
12	120	32	4°	4	4	3643S-120-4	■ 3643S-120-4T
16	130	61	4°	4	4	3643S-160-4	■ 3643S-160-4T
16	130	48	4°	5	4	3643S-160-5	■ 3643S-160-5T
20	130	76	4°	5	4	3643S-200-5	■ 3643S-200-5T
20	130	63	4°	6	4	3643S-200-6	■ 3643S-200-6T
20	130	35	4°	8	4	3643S-200-8	■ 3643S-200-8T

六刃精铣刀 3J63L 6 flute carbide end mill



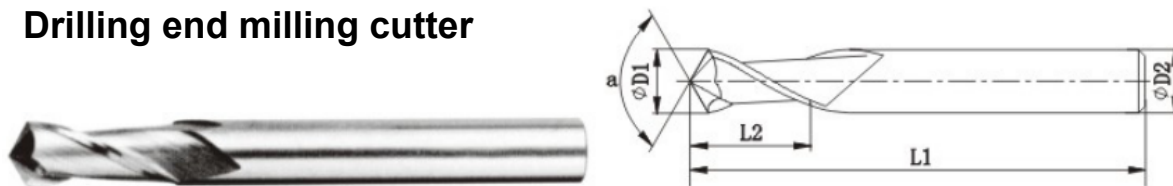
刃径 Mill Dia.	柄径 Shank Dia.	总长 O.A.L.	刃长 Flute length	刃数 Flute No.	订货号 Model No.	
D1(h9)	D2(h6)	L1	L2	Z	不涂层 Uncoated	涂层 Coated
6	6	57	13	6	3J63L-060	■ 3J63L-060T
8	8	63	19	6	3J63L-080	■ 3J63L-080T
10	10	72	22	6	3J63L-100	■ 3J63L-100T
12	12	75	26	6	3J63L-120	■ 3J63L-120T
14	14	83	26	6	3J 63L-140	■ 3J63L-140T
16	16	92	32	6	3J63L-160	■ 3J63L-160T
18	18	92	32	6	3J63L-180	■ 3J63L-180T
20	20	104	38	6	3J63L-200	■ 3J63L-200T

八刃精铣刀 3J83L 8 flute carbide end mill



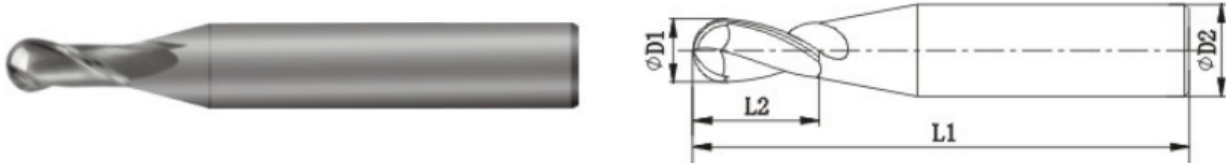
刃径 Mill Dia.	柄径 Shank Dia.	总长 O.A.L.	刃长 Flute length	刃数 Flute No.	订货号 Model No.	
D1(h9)	D2(h6)	L1	L2	Z	不涂层 Uncoated	涂层 Coated
10	10	72	22	8	3J83L-100	■ 3J83L-100T
12	12	75	26	8	3J83L-120	■ 3J83L-120T
14	14	83	26	8	3J83L-140	■ 3J83L-140T
16	16	92	32	8	3J83L-160	■ 3J83L-160T
18	18	92	32	8	3J83L-180	■ 3J83L-180T
20	20	104	38	8	3J83L-200	■ 3J83L-200T
25	25	120	42	8	3J83L-250	■ 3J83L-250T

钻铣刀 3A23K Drilling end milling cutter



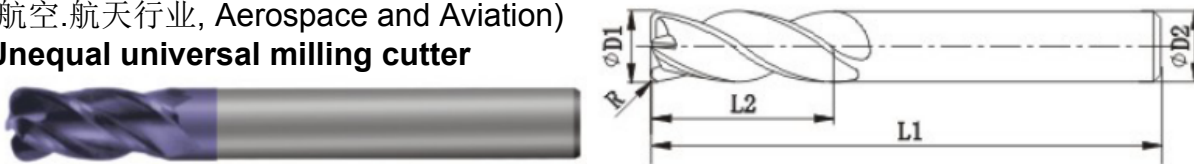
刃径 Mill Dia.	柄径 Shank Dia.	总长 O.A.L.	刃长 Flute length	顶角 Point angle	刃数 Flute No.	订货号 Model No.	
D1(h9)	D2(h6)	L1	L2	a	Z	不涂层 Uncoated	涂层 Coated
4	4	54	8	60°	2	3A23K-040-60	■ 3A23K-040T-60
6	6	54	10	60°	2	3A23K-060-60	■ 3A23K-060T-60
8	8	68	12	60°	2	3A23K-080-60	■ 3A23K-080T-60
10	10	66	16	60°	2	3A23K-100-60	■ 3A23K-100T-60
12	12	73	18	60°	2	3A23K-120-60	■ 3A23K-120T-60
4	4	64	8	90°	2	3A23K-040-90	■ 3A23K-040T-90
6	6	54	10	90°	2	3A23K-060-90	■ 3A23K-060T-90
8	8	58	12	90°	2	3A23K-080-90	■ 3A23K-080T-90
10	10	66	16	90°	2	3A23K-100-90	■ 3A23K-100T-90
12	12	73	18	90°	2	3A23K-120-90	■ 3A23K-120T-90
4	4	54	8	120°	2	3A23K-040-120	■ 3A23K-040T-12
6	6	54	10	120°	2	3A23K-060-120	■ 3A23K-060T-12
8	8	58	12	120°	2	3A23K-080-120	■ 3A23K-080T-12
10	10	66	16	120°	2	3A23K-100-120	■ 3A23K-100T-12
12	12	73	18	120°	2	3A23K-120-120	■ 3A23K-120T-12

二刃高速球头铣刀 3B23S 2 Flute high speed ball nose end mill



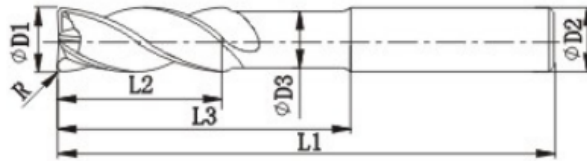
刃径 Mill Dia.	柄径 Flute length	总长 O.A.L.	刃长 Flute length	SR 径 SR Dia.	刃数 Flute No.	订货号 Model No.	
D1(h9)	D2(h6)	L1	L2	SR	Z	不涂层 Uncoated	涂层 Coated
3	6	60	6	1.5	2	3B23S-030	■ 3B23S-030T
4	6	54	8	2.0	2	3B23S-040	■ 3B23S-040T
6	10	58	10	3.0	2	3B23S-060	■ 3B23S-060T
8	12	62	12	4.0	2	3B23S-080	■ 3B23S-080T
10	14	68	14	5.0	2	3B23S-100	■ 3B23S-100T
12	16	75	16	6.0	2	3B23S-120	■ 3B23S-120T
16	20	87	18	8.0	2	3B23S-160	■ 3B23S-160T

不等分齿铣刀 3R43K (航空.航天行业, Aerospace and Aviation) Unequal universal milling cutter



刃径 Mill Dia.	柄径 Flute length	总长 O.A.L.	刃长 Flute Length	R 径 R Dia.	刃数 Flute No.	订货号 Model No.	
D1(h9)	D2(h6)	L1	L2	R	Z	不涂层 Uncoated	涂层 Coated
4	4	54	5	0.5	4	3R43K-040	■ 3R43K-040T
5	6	54	6	0.5	4	3R43K-050	■ 3R43K-050T
6	6	54	7	1.0	4	3R43K-060	■ 3R43K-060T
8	8	58	9	2.0	4	3R43K-080	■ 3R43K-080T
10	10	66	11	3.0	4	3R43K-100	■ 3R43K-100T
12	12	73	12	3.0	4	3R43K-120	■ 3R43K-120T
14	14	73	14	3.0	4	3R43K-140	■ 3R43K-140T
16	16	82	16	3.0	4	3R43K-160	■ 3R43K-160T
18	18	82	18	3.0	4	3R43K-180	■ 3R43K-180T
20	20	92	20	3.0	4	3R43K-200	■ 3R43K-200T

不等分齿铣刀 3R43L
 (航空.航天行业, Aerospace and Aviation)
Unequal universal milling cutter

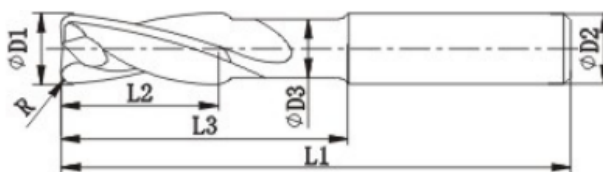


刃径 Mill Dia.	柄径 Flute length	颈径 Neck Dia.	总长 O.A.L	刃长 Flute Length	工作长 Working length	R 径 R Dia.	刃数 Flute No.	订货号 Model No.	
D1(h9)	D2(h6)	D3	L1	L2	L3	R	Z	不涂层 Uncoated	涂层 Coated
8	8	7.2	68	16	32	1	4	3R43L-080	■ 3R43L-080T
10	10	9.2	82	20	42	2	4	3R43L-1CX)	■ 3R43L-100T
12	12	11.2	87	22	42	2	4	3R43L-120	■ 3R43L-120T
14	14	13.2	92	24	47	3	4	3R43L-140	■ 3R43L-140T
16	16	15.0	100	26	52	3	4	3R43L-160	■ 3R43L-160T
18	18	17.0	110	30	62	4	4	3R43L-180	■ 3R43L-180T
20	20	19.0	122	36	72	4	4	3R43L-200	■ 3R43L-200T

二刃高速铣刀 3B20A

(航空,航天行业,Aerospace and Aviation)

2 Flute high speed carbide end mill

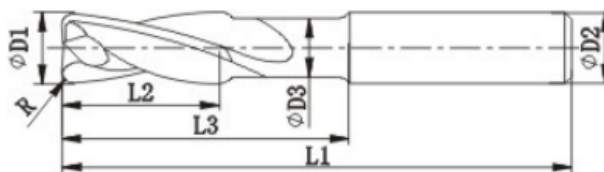


刀径 Mill Dia.	柄径 Flute length	颈径 Neck Dia.	总长 O.A.L.	刃长 Flute length	工作长 Work length	R 径 R Dia.	刃数 Flute No.	订货号 Model No.	
D1 (h9)	D2 (h6)	D3	L1	L2	L3	R	Z	不涂层 Uncoated	涂层 Coated
6	6	5.5	58	10	22	1.0	2	3B20A-060A-10	■ 3B20A-060T-10
6	6	5.5	58	10	22	2.0	2	3B20A-060A-20	■ 3B20A-060T-20
6	6	5.5	68	10	32	1.0	2	3B20A-060B-10	■ 3B20A-060S-20
6	6	5.5	68	10	32	2.0	2	3B20A-060B-20	■ 3B20A-060S-20
8	8	7.5	63	10	27	1.0	2	3B20A-080A-10	■ 3B20A-080T-10
8	8	7.5	63	10	27	2.0	2	3B20A-080A-20	■ 3B20A-080T-20
8	8	7.5	63	10	27	3.0	2	3B20A-080A-30	■ 3B20A-080T-30
8	8	7.5	73	10	37	1.0	2	3B20A-080B-10	■ 3B20A-080S-10
8	8	7.5	73	10	37	2.0	2	3B20A-080B-20	■ 3B20A-080S-20
8	8	7.5	73	10	37	3.0	2	3B20A-080B-30	■ 3B20A-080S-30
10	10	9.5	72	12	32	1.0	2	3B20A-100A-10	■ 3B20A-100T-10
10	10	9.5	72	12	32	2.0	2	3B20A-100A-20	■ 3B20A-100T-20
10	10	9.5	72	12	32	2.5	2	3B20A-100A-25	■ 3B20A-100T-25
10	10	9.5	82	12	42	1.0	2	3B20A-100B-10	■ 3B20A-100S-10
10	10	9.5	82	12	42	2.0	2	3B20A-100B-20	■ 3B20A-100S-20
10	10	9.5	82	12	42	2.5	2	3B20A-100B-25	■ 3B20A-100S-25
12	12	11.2	77	14	32	2.0	2	3B20A-120A-20	■ 3B20A-120T-20
12	12	11.2	77	14	32	2.5	2	3B20A-120A-25	■ 3B20A-120T-25
12	12	11.2	77	14	32	3.0	2	3B20A-120A-30	■ 3B20A-120T-30
12	12	11.2	87	14	42	2.0	2	3B20A-120B-20	■ 3B20A-120S-20
12	12	11.2	87	14	42	2.5	2	3B20A-120B-25	■ 3B20A-120S-25
12	12	11.2	87	14	42	3.0	2	3B20A-120B-30	■ 3B20A-120S-30
12	12	11.2	97	14	52	2.0	2	3B20A-120C-20	■ 3B20A-120Z-20
12	12	11.2	97	14	52	2.5	2	3B20A-120C-25	■ 3B20A-120Z-25
12	12	11.2	97	14	52	3.0	2	3B20A-120C-30	■ 3B20A-120Z-30
16	16	15	90	18	42	2.0	2	3B20A-160A-20	■ 3B20A-160T-20
16	16	15	90	18	42	3.0	2	3B20A-160A-30	■ 3B20A-160T-30
16	16	15	90	18	42	4.0	2	3B20A-160A-40	■ 3B20A-160T-40
16	16	15	100	18	52	2.0	2	3B20A-160B-20	■ 3B20A-160S-20
16	16	15	100	18	52	3.0	2	3B20A-160B-30	■ 3B20A-160S-30
16	16	15	100	18	52	4.0	2	3B20A-160B-40	■ 3B20A-160S-40
16	16	15	110	18	62	2.0	2	3B20A-160C-20	■ 3B20A-160Z-20
16	16	15	110	18	62	3.0	2	3B20A-160C-30	■ 3B20A-160Z-30
16	16	15	110	18	62	4.0	2	3B20A-160C-40	■ 3B20A-160Z-40

两刃高速铣刀 3B20A

(航空.航天行业,Aerospace and Aviation)

2 Flute high speed carbide end mill

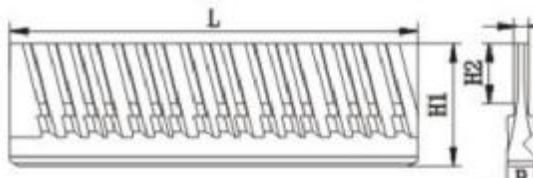


刃径	柄径	颈径	总长	刃长	工作长	R 径	刃数	订货号	
Mill Dia.	Flute length	Neck Dia.	O.A.L	Flute length	Work length	R Dia.	Flute No.	Model No.	
D1 (h9)	D2 (h6)	D3	L1	L2	L3	R	Z	不涂层 Uncoated	涂层 Coated
20	20	19	92	24	42	3.0	2	3B20A-200A-30	■ 3B20A -200T-30
20	20	19	92	24	42	4.0	2	3B20A-200A - 40	■ 3B20A-200T-40
20	20	19	92	24	42	5.0	2	3B20A-200A-50	■ 3B20A-200T-50
20	20	19	102	24	52	3.0	2	3B20A-200B-30	■ 3B20A-200S-30
20	20	19	102	24	52	4.0	2	3B20A-200B-40	■ 3B20A-200S-40
20	20	19	102	24	52	5.0	2	3B20A-200B-50	■ 3B20A-200S-50
20	20	19	112	24	62	3.0	2	3B20A-200C-30	■ 3B20A-200Z-30
20	20	19	112	24	62	4.0	2	3B20A-200C-40	■ 3B20A-200Z - 40
20	20	19	112	24	62	5.0	2	3B20A-200C-50	■ 3B20A-200Z - 50
20	20	19	122	24	72	3.0	2	3B20A-200D-30	■ 3B20A-200P-30
20	20	19	122	24	72	4.0	2	3B20A -200D-40	■ 3B20A -200P-40
20	20	19	122	24	72	5.0	2	3B20A-200D-50	■ 3B20A-200P - 50
20	20	19	122	24	82	3.0	2	3B20A-200E-30	■ 3B20A-200R-30
20	20	19	132	24	82	4.0	2	3B20A-200E-40	■ 3B20A -200R-40
20	20	19	132	24	82	5.0	2	3B20A-200E-50	■ 3B20A-200R-50
20	20	19	142	24	92	3.0	2	3B20A-200F-30	■ 3B20A-200W-30
20	20	19	142	24	92	4.0	2	3B20A-200F-40	■ 3B20A-200W-40
20	20	19	142	24	92	5.0	2	3B20A-200F-50	■ 3B20A-200W-50

产品 Description	名称 Type	型号 Model No.	页码 Page
	平面拉刀 Carbide Keyway Broach	ZCLP	E3
	焊接拉刀 Carbide Keyway Broach with HSS Body	WCLP	E3
	内倒角拉刀 Carbide Broach with Inner Chamfer	ZCLN	E4
	外倒角拉刀 Carbide Broach with Outer Chamfer	ZCLW	E4
	槽拉刀 Carbide Pull Broach	ZCLC	E5
	推刀 Carbide Push Broach	ZCT	E6

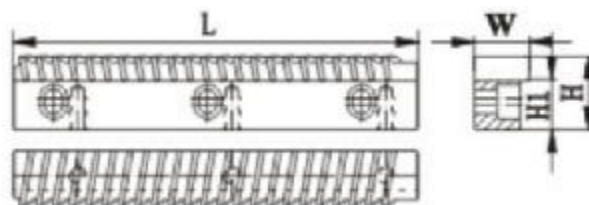
*We are fully geared up to manufacture Standard and Special Broaches on your specifications. All broaches are available with TiN, TiCN or TiAlN coatings.

平面拉刀 ZCLP Carbide Keyway Broach



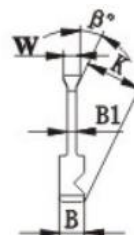
刃宽 Blade width	有效刃长 Blade length	柄宽 Shank width	总长 O.A.L.	总高 Total height	订货号 Model No.
W	H1	B	L	H	无涂层 Uncoated
3.100	19	9.000	120	36.5	ZCL-PA3100190365
3.200	19	9.000	150	38.0	ZCL-PA3200190380
3.250	15	9.000	120	35.5	ZCL-PA3250015355
4.000	21	10.000	130	44.0	ZCL-PA4000021440
4.700	26	9.000	183	45.0	ZCL-PA4700026450
4.777	19	9.000	130	39.0	ZCL-PA4777019390
4.800	18	9.525	150	40.0	ZCL-PA4800180400
5.300	23	9.000	150	46.0	ZCL-PA5300230460

焊接拉刀 WCLP Carbide Keyway Broach with HSS Body



刃宽 Blade width	刃高 Blade height	总长 O.A.L.	有效齿高 Tooth height	订货号 Model No.
W	H	L	H1	无涂层 Uncoated
31	45	190	33	WCL-PA314633
33	38	155	26	WCL-PA333826
34	45	250	33	WCL-PA344533
35	48	240	36	WCL-PA354836
36	51	260	39	WCL-PA365139
39	35	350	23	WCL-PA393523
51	36	262	24	WCL-PA513624

内倒角拉刀 ZCLN Carbide Broach with Inner Chamfer



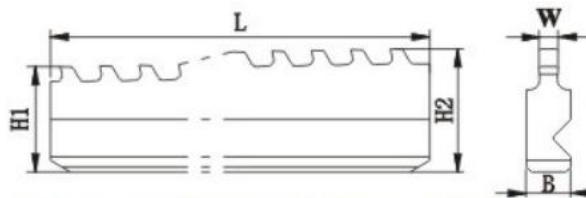
倒角 Chamfer	柄宽 Shank width	总长 O.A.L.	总高 Total height	齿顶宽 Tip width	倒角 Chamfer	消气厚 Degassing thickness	订货号 Model No.
K	B	L	H	W	P	B1	无涂层 Uncoated
20.679	9	75	45.0	6.000	26	3.2	ZCL-N2067904507509
19.579	9	75	43.0	6.000	26	3.2	ZCL-N1957904307509
28.643	10	150	50.0	7.000	35	4.5	ZCL-N2864305015010
34.137	10	85	50.0	6.507	45	4.5	ZCL-N3413705008510
12.190	9	75	38.5	4.500	15	2.8	ZCL-N1219038507509
13.504	9	115	47.5	6.500	15	4.8	ZCL-N1350447511509

外倒角拉刀 ZCLW Carbide Broach with Outer Chamfer



齿顶宽 Tip width	柄宽 Shank width	总长 O.A.L.	总高 Total height	一齿离 Height of the first tooth	订货号 Model No.
W	B	L	H2	H1	无涂层 Uncoated
4.247	9.000	145	21.250	19.465	ZCL-WA42472125
5.187	9.000	90	25.730	24.300	ZCL-WA51872573
2.808	9.000	115	22.760	21.000	ZCL-WA28082276

槽拉刀 ZCLC Keyway roach



一齿高	总高	柄宽	总长	齿顶宽	订货号
Height of the first tooth	Total height	Shank width	O.A.L.	Tip width	Model No.
H1	H2	B	L	W	无涂层 Uncoated
21.100	24.650	9	210	3.85	ZCL-CA21100355-385
24.650	28.200	9	210	3.85	ZCL-CA24650355-385
28.200	31.750	9	210	3.85	ZCL-CA28200355-385
31.750	35.300	9	210	3.85	ZCL-CA31750355-385
35.300	38.850	9	210	3.85	ZCL-CA35300355-385
38.850	42.400	9	210	3.85	ZCL-CA38850355-385
22.760	26.550	9	230	3.00	ZCL-CA22760379-300
26.550	30.340	9	230	3.00	ZCL-CA26550379-300
30.340	34.130	9	230	3.00	ZCL-CA30340379-300
34.130	37.920	9	230	3.00	ZCL-CA34130379-300
25.730	29.732	9	240	5.10	ZCL-CA25734002-510
29.732	33.734	9	240	5.10	ZCL-CA29734002-510
33.734	37.736	9	240	5.10	ZCL-CA33734002-510
37.736	41.738	9	240	5.10	ZCL-CA37744002-510
41.738	46.740	9	240	5.10	ZCL-CA41744002-510

推刀 ZCT Carbide Push/Pull Broach

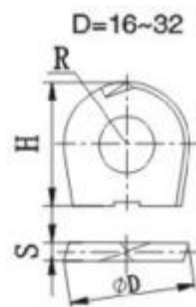
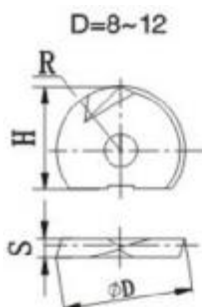


刃径 Diameter 1	小刃径 Diameter 2	总长 O.A.L.	订货号 Model No.
D1	D2	L	无涂层 Uncoateding
2.500	2.45	30	ZCT-A0250005030
5.000	4.95	60	ZCT-A0500005060
8.000	7.95	120	ZCT-A0800005120
10.000	9.95	150	ZCT-A1000005150
12.000	11.95	200	ZCT-A1200005200
14.000	13.95	250	ZCT-A1400005250
16.000	15.95	250	ZCT-A1600005250
19.000	18.95	320	ZCT-A1900005320
20.000	19.95	320	ZCT-A2000005320
21.000	20.95	320	ZCT-A2100005320

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模具铣刀片

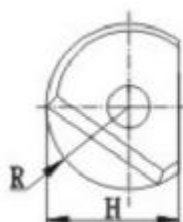
Carbide Insert for Mold



产品型号	R 精度	涂层	产品材质 硬质合金	刀片尺寸 Dimensions mm			
Type	R precision	Coated	Carbide	R	S	Φ D	H
SRC0802A	±0.01	PVD	K	4.0	2.0	8	9.5
SRC1002A	±0.01	PVD	K	5.0	2.5	10	11.5
SRC1202A	±0.01	PVD	K	6.0	2.5	12	12.0
SRC1603A	±0.01	PVD	K	8.0	3.0	16	14.0
SRC2003A	±0.01	PVD	K	10.0	3.0	20	16.0
SRC2503A	±0.01	PVD	K	12.5	4.0	25	21.5
SRC3006A	±0.01	PVD	K	15.0	5.0	30	25.0
SRC3205A	±0.01	PVD	K	16.0	5.0	32	26.0

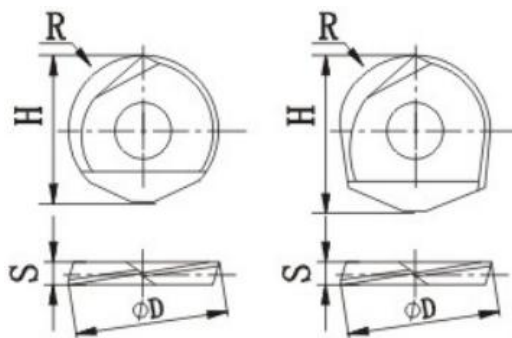
模具铣刀片

Carbide Insert for Mold



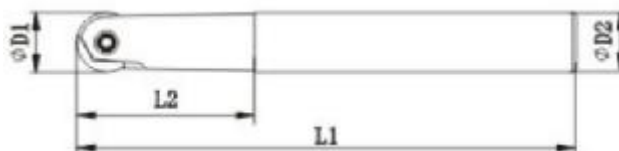
产品型号	R 精度	涂层	产品材质 硬质合金	刀片尺寸 Dimensions mm			
Type	R precision	Coated	Carbide	R	S	Φ D	H
DSRC08002	±0.01	PVD	K	4.0	2.4	8	7.0
DSRC10002	±0.01	PVD	K	5.0	2.6	10	8.5
DSRC12003	±0.01	PVD	K	6.0	3.0	12	10.0
DSRC16004	±0.01	PVD	K	8.0	4.0	16	12.0
DSRC20005	±0.01	PVD	K	10.0	5.0	20	15.0
DSRC26006	±0.01	PVD	K	12.5	6.0	25	18.5
DSRC30007	±0.01	PVD	K	15.0	7.0	30	22.5

模具铣刀片 Carbide Insert for Mold



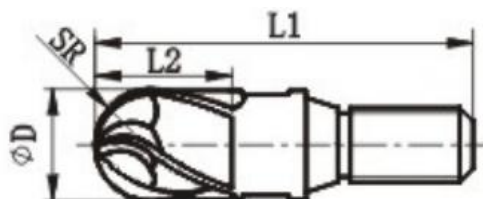
产品型号	R 精度	涂层	产品材质 硬质合金	刀片尺寸 Dimensions mm			
Type	R precision	Coated	Carbide	R	S	Φ D	H
SRC08002	±0.01	PVD	K	4.0	2.1	8	9.7
SRC10002	±0.01	PVD	K	5.0	2.7	10	12.1
SRC12003	±0.01	PVD	K	6.0	3.2	12	14.6
SRC16004	±0.01	PVD	K	8.0	4.2	16	16.6
SRC20005	±0.01	PVD	K	10.0	5.2	20	20.3
SRC25006	±0.01	PVD	K	12.5	6.2	25	24.0
SRC30007	±0.01	PVD	K	15.0	7.2	30	29.2

模具铣刀 Carbide End Mill for Mold



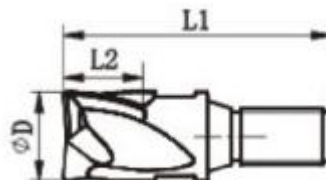
刀径	柄径	工作长	总长	刀数	刀片型号	螺丝	扳手	订货号
Mill Dia.	Shank Dia.	Work length	O.A.L.	Flute No.	Insert Type	Screw	wrench	Model No.
D1	D2	L2	L1	Z				
8	10	25	110	2	SRC0802A	S230	T397	FS2510-110-08A
10	12	30	130	2	SRC1002A	S229	T390	FS3012-130-10A
12	12	32	130	2	SRC1202A	S228	T391	FS3212-130-12A
16	16	36	140	2	SRC1603A	S228	T392	FS3616-140-16A
20	20	45	160	2	SRC2003A	S228	T393	FS4520-160-20A
25	25	45	160	2	SRC2504A	S228	T394	FS4525-160-25A
30	32	56	175	2	SRC3005A	S396	T395	FS5630-175-30A
32	32	56	175	2	SRC3205A	S396	T395	FS5632-175-32A

小金刚球刀铣刀 5Q4M Replaceable Ball Nose End Mill



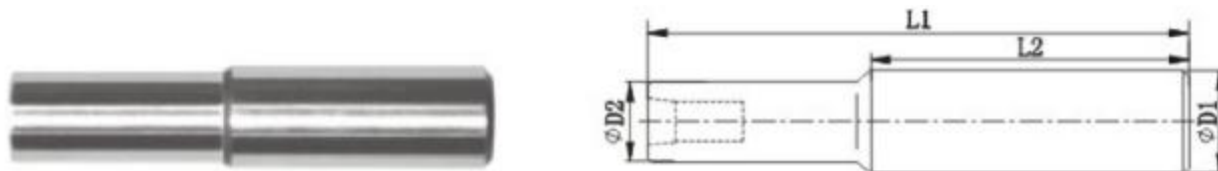
刃径 Mill Dia.	SR 径 SR Dia.	总长 O.A.L.	刃长 Mill length	刃数 Flute No.	订货号 Model No.	
D	SR	L1	L2	Z	不涂层	涂层
10	5.0	40	10	4	5Q4M-100	■ 5Q4M-100T
12	6.0	40	12	4	5Q4M-120	■ 5Q4M-120T
16	8.0	60	16	4	5Q4M-160	■ 5Q4M-160T
18	9.0	50	18	4	5Q4M-180	■ 5Q4M-180T
20	10.0	50	20	4	5Q4M-200	■ 5Q4M-200T
25	12.5	60	25	4	5Q4M-250	■ 5Q4M-250T

小金刚立铣刀 5L3M Replaceable Boring Mill Cutter Head



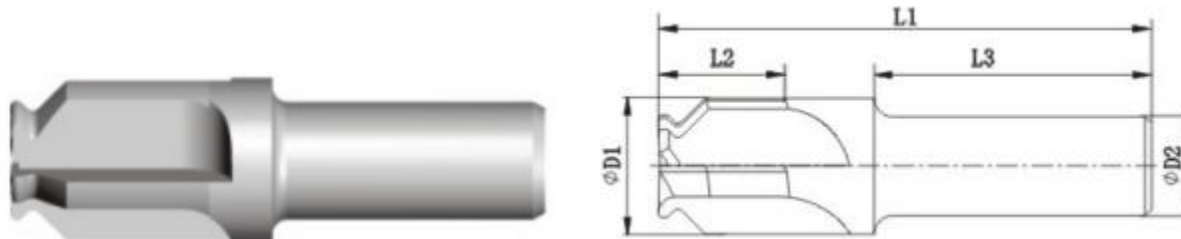
刃径 Mill Dia.	总长 O.A.L.	刃长 Mill length	刃数 Flute No.	订货号 Model No.	
D	L1	L2	Z	不涂层 Uncoat	涂层 Coat
10	40	10	3	5L3M-100	■ 5L3M-100T
12	40	12	3	5L3M-120	■ 5L3M-120T
16	50	16	3	5L3M-160	■ 5L3M-160T
18	50	18	3	5L3M-180	■ 5L3M-180T
20	50	20	3	5L3M-200	■ 5L3M-200T
25	60	25	3	5L3M-250	■ 5L3M-250T

小金刚刀杆 Carbide Tool Bar



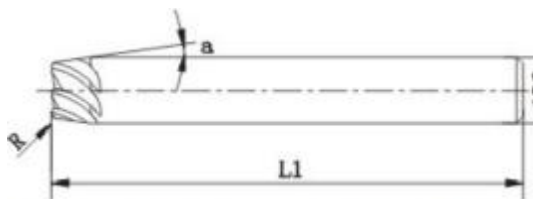
柄径 Shank Dia..	颈径 Neck Dia.	总长 O.A.L.	柄长 Shank length	订货号 Model No.
D1	D2	L1	L2	
16	15	55	45	■ BM161555
16	16	65	48	■ BM161665
20	18	65	50	■ BM201865
20	18	98	50	■ BM201898

成型铣刀 3C43T Forming Tools



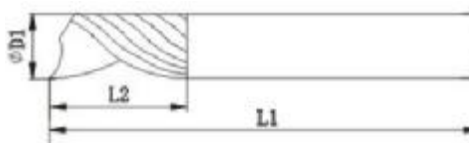
刃径 Mill Dia.	柄径 Shank Dia..	总长 O.A.L.	刃长 Mill length	柄长 Shank length	刃数 Flute No.	订货号 Model No.	
D1	D2	L1	L2	L3	Z	不涂层 Uncoat	涂层 Coat
20	16	75	12	46	4	3C43T-200	■ 3C43T-200T
22	20	80	12	45	4	3C43T-220	■ 3C43T-220T
25	20	80	15	45	4	3C43T-250	■ 3C43T-250T
30	20	100	25	60	4	3C43T-300	■ 3C43T-300T
35	20	100	25	60	4	3C43T-350	■ 3C43T-350T

镜面铣刀 3X93L Mirror Grinding Milling Cutter



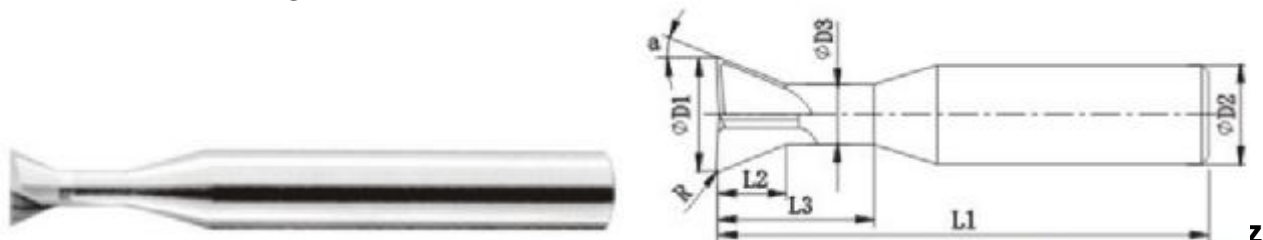
柄径 Shank Dia..	总长 O.A.L.	半锥度 Half taper	R 径 R Dia.	刃数 Flute No.	订货号 Model No.	
D(h6)	L1	a	R	z	不涂层 Uncoat	涂层 Coat
8	80	8°	0.5	6	3X93L-080	■ 3X93L-080T
10	82	8°	1.0	8	3X93L-100	■ 3X93L-100T
12	90	8°	1.0	8	3X93L-120	■ 3X93L-120T
16	110	8°	1.0	10	3X93L-160T	■ 3X93L-160
20	120	8°	1.0	12	3X93L-200	■ 3X93L-200T

单刃铣刀 3013P Single Flute End Mill



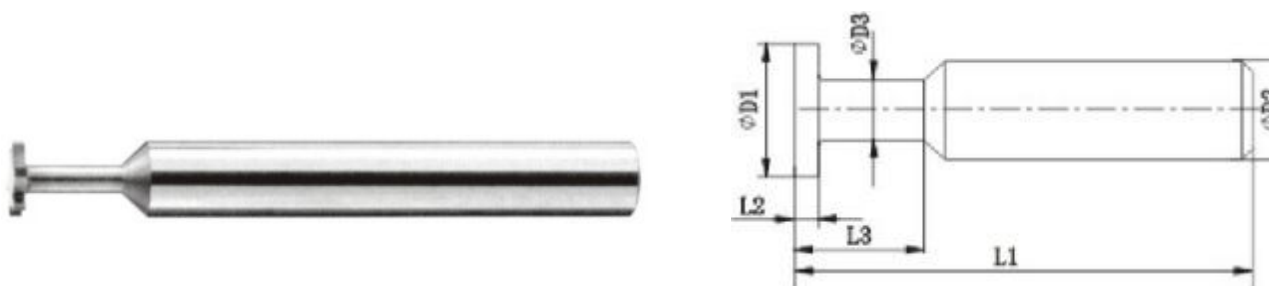
刃径 Mill Dia.	柄径 Shank Dia.	总长 O.A.L.	刃长 Mill length	刃数 Flute No.	订货号 Model No.	
D1(h9)	D2(h6)	L1	L2	Z	不涂层 Uncoat	涂层 Coat
3	4	50	6	1	3013P-030	■ 3013P-030T
4	4	50	6	1	3013P-040	■ 3013P-040T
5	6	54	8	1	3013P-050	■ 3013P-050T
6	6	54	8	1	3013P-060	■ 3013P-060T
8	8	58	10	1	3013P-080	■ 3013P-080T
10	10	66	12	1	3013P-100	■ 3013P-100T
12	12	73	16	1	3013P-120	■ 3013P-120T
16	16	82	20	1	3013P-160	■ 3013P-160T
20	20	92	24	1	3013P-200	■ 3013P-200T

燕尾槽铣刀 3Y40K Swallow Tail Milling Cutter



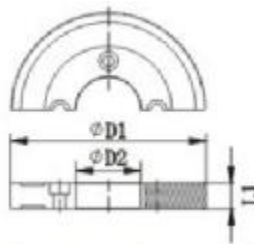
刃径	柄径	颈径	总长	刃长	颈长	半角	R 径	刃数	订货号	
Mill Dia.	Shank Dia.	Neck Dia.	O.A.L.	Mill length	Neck length	Half angle	R Dia.	Flute No.	Model No.	
D1(h9)	D2(h6)	D3	L1	L2	L3	a	R	Z	不涂层 Uncoat	涂层 Coat
8	6	4	54	2-7	12	150-46°	0.5	4	3Y40K-080-a	■ 3Y40K-080T-a
10	8	6	60	2-7	12	15°-46°	0.5	4	3Y40K-100-a	■ 3Y40K-100T-a
12	10	7	68	2-7	14	15°-46°	0.5	4	3Y40K-120-a	■ 3Y40K-120T-a
16	12	8	75	2~7	16	15°-46°	0.5	4	3Y40K-160-a	■ 3Y40K-160T-a
20	16	10	82	2~7	18	15°-45°	0.5	4	3Y40K-200-a	■ 3Y40K-200T-a

T 型槽铣刀 3T90K T-slot Milling Cutter



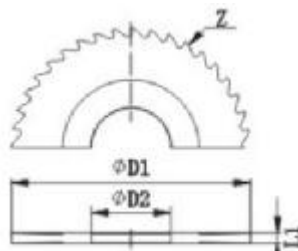
刃径	柄径	颈径	总长	刃宽	颈长	订货号	
Mill Dia.	Shank Dia.	Neck Dia.	O.A.L.	Mill Width	Neck length	Model No.	
D1(h9)	D2(h6)	D3	L1	L2	L3	不涂层 Uncoat	涂层 Coat
8	6	4	54	2~5	12	3T90K-080	■ 3T90K-080T
10	8	6	60	2-5	15	3T90K-100	■ 3T90K-100T
12	10	7	68	2~5	18	3T90K-120	■ 3T90K-120T
16	12	8	75	2~5	20	3T90K-160	■ 3T90K-160T
20	16	10	82	2~5	25	3T90K-200	■ 3T90K-200T
25	20	12	92	2~5	30	3T90K-250	■ 3T90K-250T

盘铣刀 ZCP Disk Milling Cutter



刃径 Mill Dia.	小刃径 Minimum mill Dia.	总长 O.A.L.	订货号 Model No.
D1	D2	L1	无涂层 Uncoat
150	22	15	ZCPA150022015
150	38	15	ZCPA150038015
150	50	16	ZCPA150050016
150	50	18	ZCPA150050018
150	50	20	ZCPA150050020

锯片铣刀 ZCP-Q Saw blade Milling Cutter



Mill Dia.	内径 Inner Dia.	宽度 Width	齿数 No. of Teeth	订货号 Model No.
D1	D2	L1	Z	无涂层 Uncoat
20	5	0.4	18	ZCP-QA2005004
20	5	0.6	18	ZCP-QA2005006
25	8	0.4	24	ZCP-QA2508004
25	8	0.6	24	ZCP-QA2508006
32	8	0.5	30	ZCP-QA3208005
32	8	0.8	30	ZCP-QA3208008
40	10	0.5	40	ZCP-QA4008005
40	10	0.8	40	ZCP-QA4010008
50	13	0.8	48	ZCP-QA5013008
50	13	1.0	48	ZCP-QA5013010
63	16	1.0	60	ZCP-QA6316010
63	16	1.2	60	ZCP-QA6316012
80	22	1.6	64	ZCP-QA8022016
80	22	2.0	64	ZCP-QA8022020