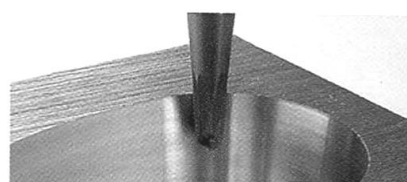
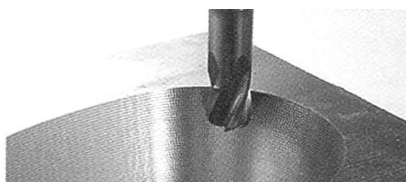
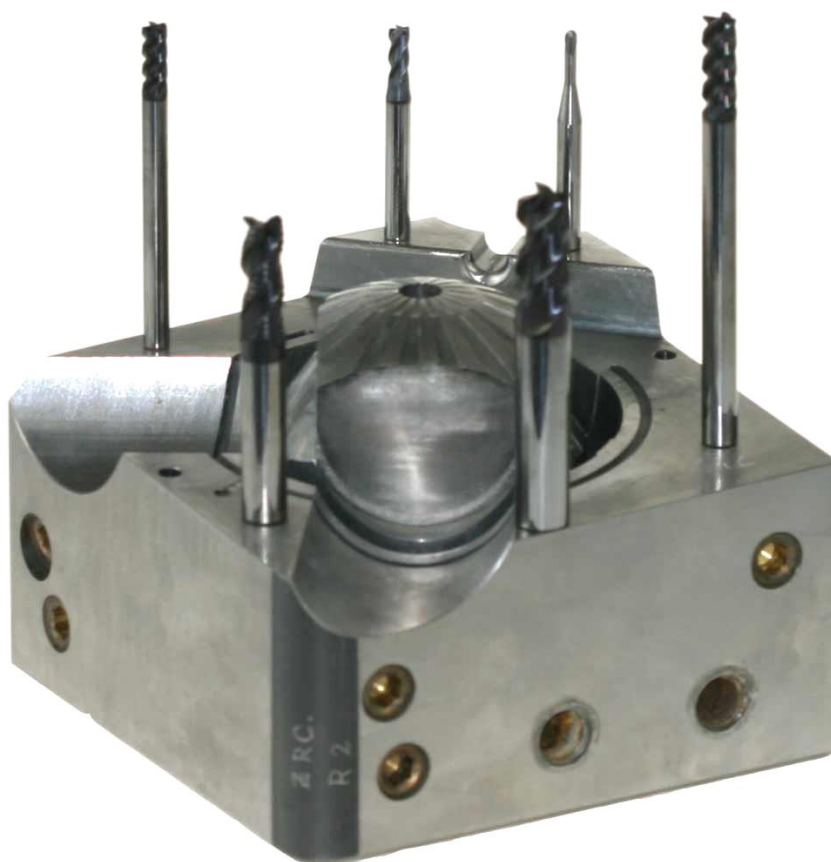
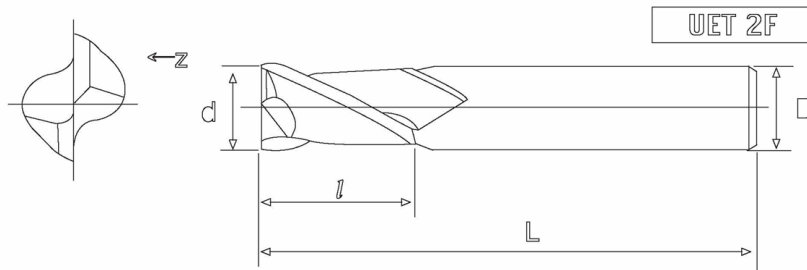


TVRDOKOVOVÉ STOPKOVÉ ŘEZNÉ NÁSTROJE



STOPKOVÁ FRÉZA VÁLCOVÁ

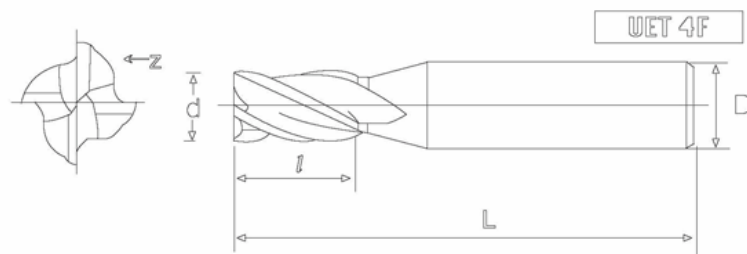
2-břítá s povlakem π HSC


STUET- π HSC

d mm	l	L	D	Z	KÓD
1	2	50	4	2	UET0102- π HSC
1.5	3	50	4	2	UET0152- π HSC
2	4	50	4	2	UET0202- π HSC
2.5	5	50	4	2	UET0252- π HSC
3	6	50	4	2	UET0302- π HSC
3.5	7	50	6	2	UET0352- π HSC
4	8	50	6	2	UET0452- π HSC
4.5	9	50	6	2	UET0402- π HSC
5	10	50	6	2	UET0502- π HSC
5.5	11	50	6	2	UET0552- π HSC
6	12	50	6	2	UET0602- π HSC
6.5	13	60	8	2	UET0652- π HSC
7	14	60	8	2	UET0702- π HSC
7.5	15	60	8	2	UET0752- π HSC
8	16	60	8	2	UET0802- π HSC
8.5	17	75	10	2	UET0852- π HSC
9	18	75	10	2	UET0902- π HSC
9.5	19	75	10	2	UET0952- π HSC
10	22	75	10	2	UET1002- π HSC
11	24	75	12	2	UET1102- π HSC
12	24	75	12	2	UET1202- π HSC
13	26	75	14	2	UET1302- π HSC
14	30	75	14	2	UET1402- π HSC
15	30	75	16	2	UET1502- π HSC
16	30	75	16	2	UET162- π HSC

STOPKOVÁ FRÉZA VÁLCOVÁ

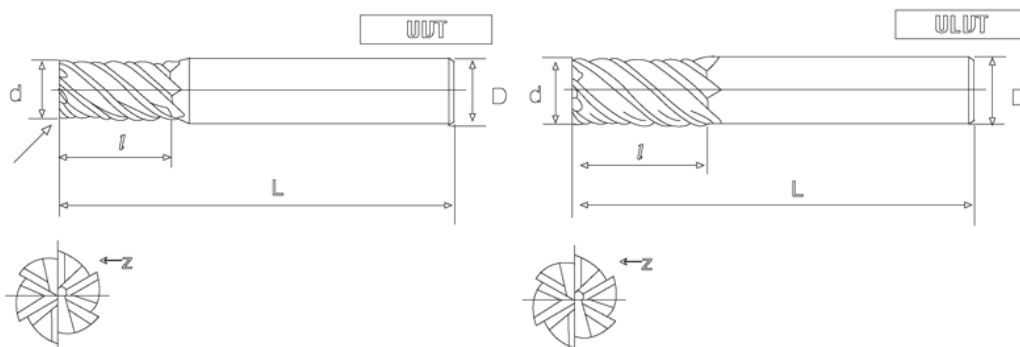
4-břítá s povlakem π HSC


STUET- π HSC

d mm	l	L	D	Z	KÓD
1	2	50	4	4	UET0104- π HSC
1.5	3	50	4	4	UET0154- π HSC
2	4	50	4	4	UET0204- π HSC
2.5	5	50	4	4	UET0254- π HSC
3	6	50	4	4	UET0304- π HSC
3.5	8	50	4	4	UET0354- π HSC
4	8	50	4	4	UET0404- π HSC
4.5	10	50	6	4	UET0454- π HSC
5	13	50	6	4	UET0504- π HSC
5.5	13	50	6	4	UET0554- π HSC
6	15	50	6	4	UET0604- π HSC
6.5	16	60	8	4	UET0654- π HSC
7	16	60	8	4	UET0704- π HSC
7.5	16	60	8	4	UET0754- π HSC
8	20	75	8	4	UET0804- π HSC
8.5	25	75	10	4	UET0854- π HSC
9	25	75	10	4	UET0904- π HSC
9.5	25	75	10	4	UET0954- π HSC
10	30	75	10	4	UET1004- π HSC
11	30	75	12	4	UET1104- π HSC
12	30	75	12	4	UET1204- π HSC
13	30	75	14	4	UET1304- π HSC
14	35	75	14	4	UET1404- π HSC
15	35	100	16	4	UET1504- π HSC
16	45	100	16	4	UET1604- π HSC

STOPKOVÁ FRÉZA VÁLCOVÁ PRO TVRDOKOV

4-břítá a 6-břítá s povlakem π HSC


STUVT- π HSC

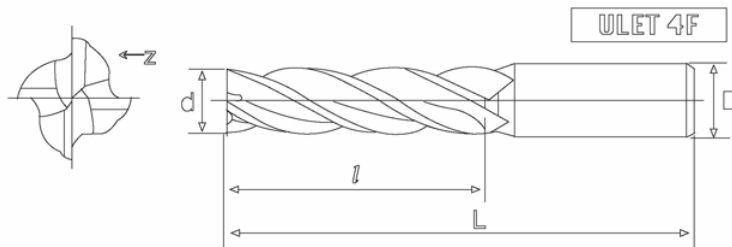
d mm	l	L	D	Z	KÓD
2	4	50	4	4	UVT0204- π HSC
3	6	50	6	4	UVT0304- π HSC
4	8	50	6	4	UVT0404- π HSC
5	10	50	6	6	UVT0506- π HSC
6	15	50	6	6	UVT0606- π HSC
8	25	75	8	6	UVT0806- π HSC
10	25	75	10	6	UVT1006- π HSC
12	26	75	12	6	UVT1206- π HSC
16	32	100	16	6	UVT1606- π HSC

STULVT- π HSC

d mm	l	L	D	Z	KÓD
6	25	75	6	6	ULVT0606- π HSC
8	35	100	8	6	ULVT0806- π HSC
10	45	100	10	6	ULVT1006- π HSC
12	45	100	12	6	ULVT1206- π HSC
16	65	150	16	6	ULVT1606- π HSC

STOPKOVÁ FRÉZA VÁLCOVÁ PRODLOUŽENÁ

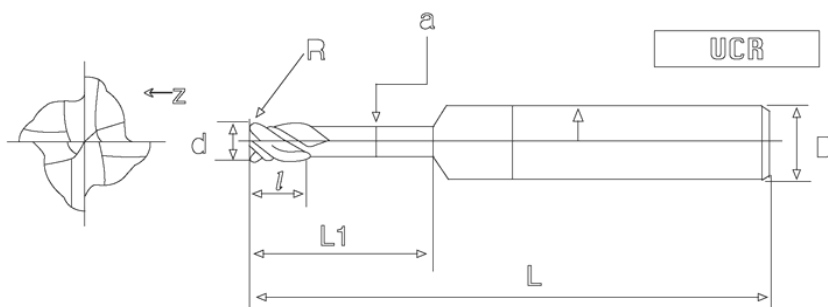
4-břítá s povlakem π HSC


STULET- π HSC

d mm	l	L	D	Z	KÓD
1	5	50	4	4	ULET0104- π HSC
1.5	6	50	4	4	ULET0154- π HSC
2	9	50	4	4	ULET0204- π HSC
2.5	10	50	4	4	ULET0254- π HSC
3	12	50	6	4	ULET0304- π HSC
3.5	14	50	6	4	ULET0354- π HSC
4	16	60	6	4	ULET0404- π HSC
4.5	18	60	6	4	ULET0454- π HSC
5	25	75	6	4	ULET0504- π HSC
6	25	75	6	4	ULET0604- π HSC
7	30	75	8	4	ULET0704- π HSC
8	35	100	8	4	ULET0804- π HSC
10	40	100	10	4	ULET1004- π HSC
12	45	100	12	4	ULET1204- π HSC
14	45	100	14	4	ULET1404- π HSC
16	65	150	16	4	ULET1604- π HSC

STOPKOVÁ FRÉZA VÁLCOVÁ ROHOVÁ

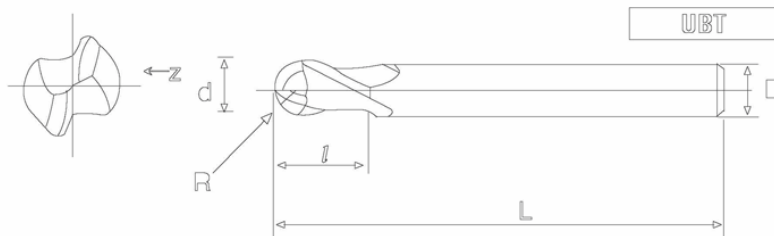
4-břítá s povlakem π HSC


STUCR- π HSC

d mm	l	R	L		Z	L1	a	KÓD
6	7	0.3	75	6	4	16	0.1	UCR0603- π HSC
6	7	0.5	75	6	4	16	0.1	UCR0605- π HSC
6	7	1.0	75	6	4	16	0.1	UCR0610- π HSC
8	9	0.3	100	8	4	20	0.15	UCR0803- π HSC
8	9	0.5	100	8	4	20	0.15	UCR0805- π HSC
8	9	1.0	100	8	4	20	0.15	UCR0810- π HSC
10	10	0.5	100	10	4	25	0.2	UCR1005- π HSC
10	10	1.0	100	10	4	25	0.2	UCR1010- π HSC
10	10	1.5	100	10	4	25	0.2	UCR1015- π HSC
10	10	2.0	100	10	4	25	0.2	UCR1020- π HSC
12	12	1.0	100	12	4	30	0.25	UCR1210- π HSC
12	12	1.5	100	12	4	30	0.25	UCR1215- π HSC
12	12	2.0	100	12	4	30	0.25	UCR1220- π HSC

STOPKOVÁ FRÉZA RADIUSOVÁ

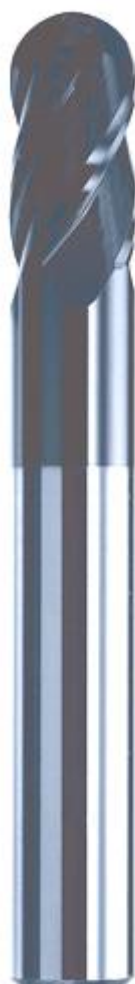
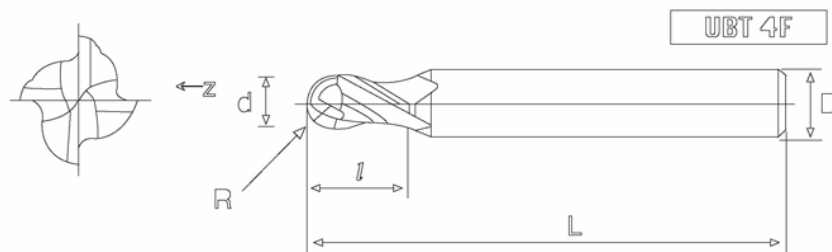
4-břítá s povlakem π HSC


STUBT- π HSC

d mm	l	L	D	Z	R	KÓD
1	2	50	4	2	0.5	UBT0102- π HSC
1.5	3	50	4	2	0.75	UBT0152- π HSC
2	4	50	4	2	1	UBT0202- π HSC
2.5	5	50	4	2	1.25	UBT0252- π HSC
3	6	50	4	2	1.5	UBT0302- π HSC
3.5	7	50	4	2	1.75	UBT0352- π HSC
4	8	50	4	2	2	UBT0402- π HSC
4.5	9	50	6	2	2.25	UBT0452- π HSC
5	10	50	6	2	2.5	UBT0502- π HSC
5.5	11	50	6	2	2.75	UBT0552- π HSC
6	12	50	6	2	3	UBT0602- π HSC
7	14	60	8	2	3.5	UBT0702- π HSC
8	16	75	8	2	4	UBT0802- π HSC
9	18	75	10	2	4.5	UBT0902- π HSC
10	20	75	10	2	5	UBT1002- π HSC
12	24	75	12	2	6	UBT1202- π HSC
14	28	75	14	2	7	UBT1402- π HSC
16	32	100	16	2	8	UBT1602- π HSC

STOPKOVÁ FRÉZA RADIUSOVÁ

4-břítá s povlakem π HSC


STUBT- π HSC

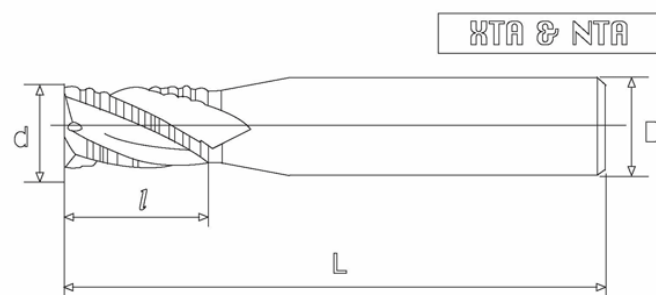
d mm	l	L	D	Z	R	KÓD
2	4	50	4	4	1	UBT0204- π HSC
2.5	5	50	4	4	1.25	UBT0254- π HSC
3	6	50	4	4	1.5	UBT0304- π HSC
3.5	7	50	4	4	1.75	UBT0354- π HSC
4	8	50	4	4	2	UBT0404- π HSC
4.5	9	50	6	4	2.25	UBT0454- π HSC
5	10	50	6	4	2.5	UBT0504- π HSC
5.5	11	50	6	4	2.75	UBT0554- π HSC
6	12	50	6	4	3	UBT0604- π HSC
7	14	60	8	4	3.5	UBT0704- π HSC
8	16	75	8	4	4	UBT0802- π HSC
9	18	75	10	4	4.5	UBT0804- π HSC
10	20	75	10	4	5	UBT0904- π HSC
12	24	75	12	4	6	UBT1004- π HSC
14	28	75	14	4	7	UBT1404- π HSC
16	30	100	16	4	8	UBT1604- π HSC

STULBT- π HSC

d mm	l	L	D	Z	R	KÓD
6	12	75	6	4	3	ULBT0604- π HSC
8	16	100	8	4	4	ULBT0802- π HSC
10	20	100	10	4	5	ULBT1004- π HSC
12	24	100	12	4	6	ULBT1204- π HSC
16	30	150	16	4	8	ULBT1604- π HSC

STOPKOVÁ FRÉZA HRUBOVACÍ

3 a 4-břítá s Titanovým povlakem



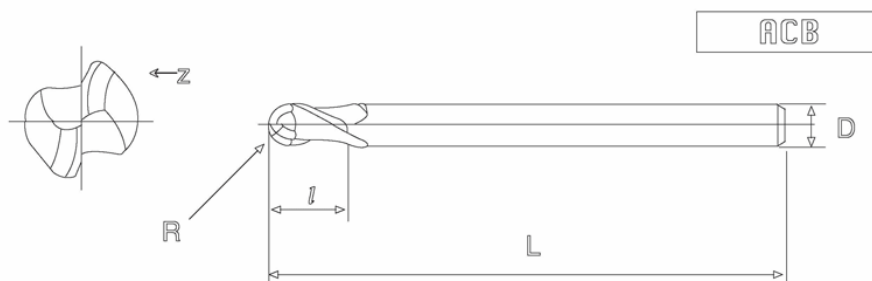
STNTA-XTREME

d mm	l	L	D		KÓD
4	8	50	6	3	NTA 0403-X TREME
5	13	50	6	3	NTA 0503-X TREME
6	16	50	6	3	NTA 0603-X TREME
7	16	60	8	3	NTA 0703-X TREME
8	19	60	8	3	NTA 0803-X TREME

STXTA-XTREME

d mm	l	L	D		KÓD
6	15	50	6	4	NTA 0604-X TREME
8	20	60	8	4	NTA 0804-X TREME
10	25	75	10	4	NTA 1004-X TREME
12	30	75	12	4	NTA 1204-X TREME
16	35	100	16	4	NTA 1604-X TREME

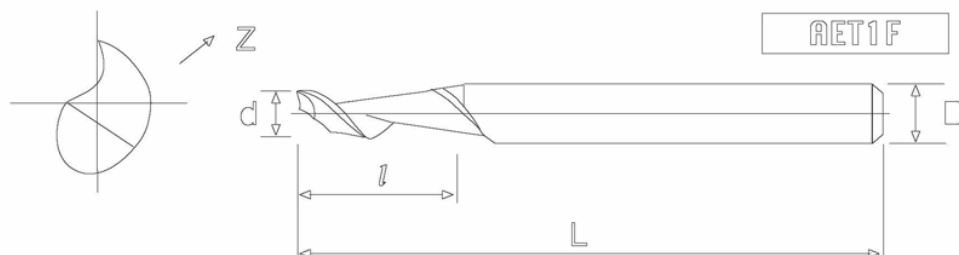
STOPKOVÁ FRÉZA RADIUSOVÁ PRO HLINÍK



STACB

R mm	l	L	D		KÓD
0.5	2	50	4	2	ACB0052
0.75	3	50	4	2	ACB0152
1	4	50	4	2	ACB0202
1.25	5	50	4	2	ACB0252
1.5	6	50	4	2	ACB0302
1.75	7	50	4	2	ACB0352
2	8	50	4	2	ACB0402
2.25	9	50	6	2	ACB0452
2.5	10	50	6	2	ACB0502
2.75	11	50	6	2	ACB0552
3	12	50	6	2	ACB0602
4	16	50	8	2	ACB0802
5	20	50	10	2	ACB1002
6	24	50	12	2	ACB1002

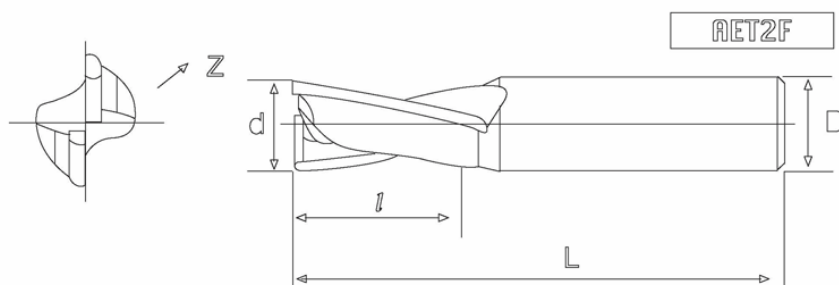
STOPKOVÁ FRÉZA DRÁŽKOVACÍ PRO HLINÍK 1-břítá



STAET

d mm	l	L	D		KÓD
0.5	1.5	50	4	1	AET0051
0.6	1.5	50	4	1	AET0061
0.8	2.0	50	4	1	AET0081
1.0	3	50	4	1	AET0101
1.2	4	50	4	1	AET0121
1.5	4	50	4	1	AET0151
1.8	5	50	4	1	AET0181
2.0	6	50	6	1	AET0201
3.0	8	50	6	1	AET0301
4.0	10	50	6	1	AET0401
5.0	13	50	6	1	AET0501
6.0	15	50	6	1	AET0601
8.0	16	60	8	1	AET0801
10	20	75	10	1	AET1001
12	24	75	12	1	AET1201

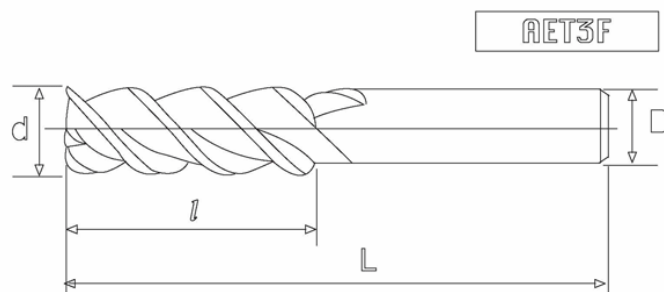
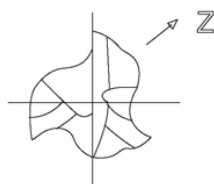
STOPKOVÁ FRÉZA VALCOVÁ PRO HLINÍK 2-břítá



STAET

d mm	l	L	D	Z	KÓD
0.5	1.5	50	4	2	AET0052
0.6	1.5	50	4	2	AET0062
0.8	2.0	50	4	2	AET0082
1.0	3	50	6	2	AET0102
1.2	4	50	6	2	AET0122
1.5	4	50	6	2	AET0152
1.8	5	50	6	2	AET0182
2.0	6	50	6	2	AET0202
3.0	8	50	6	2	AET0302
4.0	10	50	6	2	AET0402
5.0	13	50	6	2	AET0502
6.0	15	50	6	2	AET0602
8.0	16	60	8	2	AET0802
10	20	75	10	2	AET1002
12	24	75	12	2	AET1202

STOPKOVÁ FRÉZA VALCOVÁ PRO HLINÍK 3-břítá



STAET

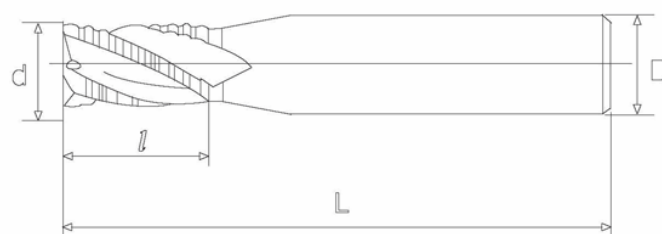
d mm	l	L	D		KÓD
1.0	3	50	4	3	AET0103
1.2	4	50	4	3	AET0123
1.5	4	50	4	3	AET0153
1.8	5	50	4	3	AET0183
2.0	6	50	4	3	AET0202
3.0	8	50	6	3	AET0303
4.0	10	50	6	3	AET0403
5.0	13	50	6	3	AET0503
6.0	15	50	6	3	AET0603
8.0	16	60	8	3	AET0803
10	20	75	10	3	AET1003
12	24	75	12	3	AET1203

STOPKOVÁ FRÉZA HRUBOVACÍ PRO HLINÍK

3-břítá



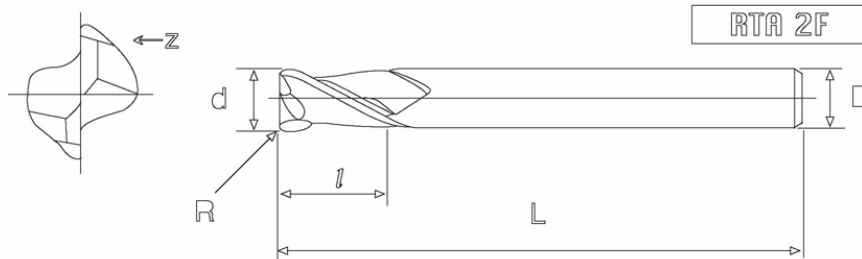
ANT



STANT

d mm	l	L	D	Z	KÓD
6	15	50	6	3	ANT0603
6.5	16	60	8	3	ANT0653
7	16	60	8	3	ANT0703
7.5	20	60	8	3	ANT0753
8	20	60	8	3	ANT0803
8.5	20	75	10	3	ANT0853
9	20	75	10	3	ANT0903
9.5	22	75	10	3	ANT0953
10	25	75	10	3	ANT1003
11	30	75	12	3	ANT1103
12	30	75	12	3	ANT1203
13	30	75	12	3	ANT1303
14	32	75	16	3	ANT1403
15	32	75	16	3	ANT1503
16	35	100	16	3	ANT1603
18	35	100	18	3	ANT1803
20	45	100	20	3	ANT2003

STOPKOVÁ FRÉZA RADIUSOVÁ TORUS 2-břítá

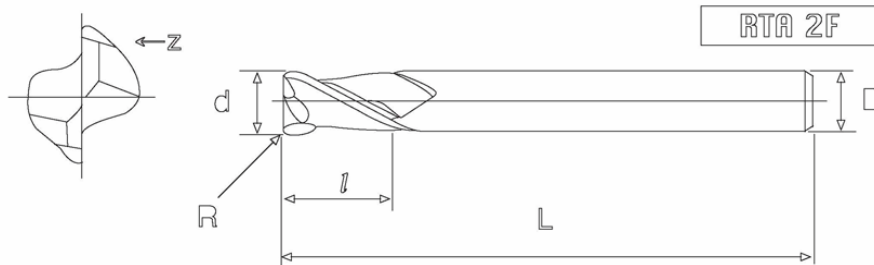


STRTA-F TREME

d mm	l	L	D	Z	R	KÓD
3	8	50	3	2	0.3	RTA03032-F TREME
3	8	50	3	2	0.5	RTA03052-F TREME
3	8	50	3	2	1	RTA03102-F TREME
4	10	50	4	2	0.3	RTA04032-F TREME
4	10	50	4	2	0.5	RTA04052-F TREME
4	10	50	4	2	1	RTA04102-F TREME
4	10	50	4	2	1.5	RTA04152-F TREME
6	15	50	6	2	0.3	RTA06032-F TREME
6	15	50	6	2	0.5	RTA06052-F TREME
6	15	50	6	2	1	RTA06102-F TREME
6	15	50	6	2	1.5	RTA06152-F TREME
6	15	50	6	2	2	RTA06202-F TREME
8	20	60	8	2	0.3	RTA08032-F TREME
8	20	60	8	2	0.5	RTA08052-F TREME
8	20	60	8	2	1	RTA08102-F TREME
8	20	60	8	2	1.5	RTA08152-F TREME
8	20	60	8	2	2	RTA08202-F TREME
8	20	60	8	2	2.5	RTA08252-F TREME
8	20	60	8	2	3	RTA08302-F TREME
10	20	75	1	2	0.5	RTA08102-F TREME
10	25	75	0	2	1	RTA10102-F TREME
10	25	75	1	2	1.5	RTA10152-F TREME
10	25	75	0	2	2	RTA10202-F TREME
10	25	75	1	2	2.5	RTA10252-F TREME
10	25	75	0	2	3	RTA10302-F TREME
12	30	75	1	2	0.5	RTA12052-F TREME
12	30	75	0	2	1	RTA12102-F TREME
12	30	75	1	2	1.5	RTA12152-F TREME
12	30	75	0	2	2	RTA12202-F TREME
12	30	75	1	2	3	RTA12302-F TREME

STOPKOVÁ FRÉZA RADIUSOVÁ TORUS

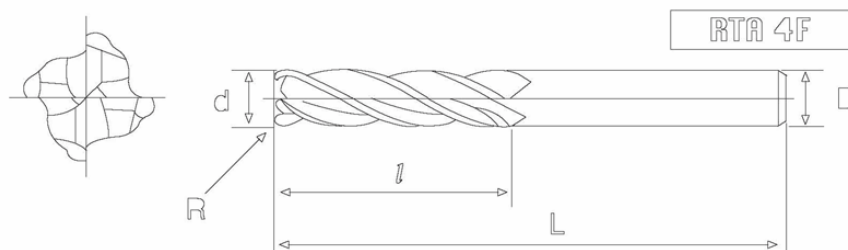
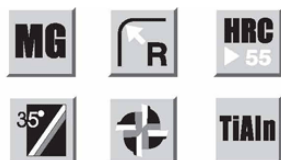
2-břítá prodloužená



STLRTA-F TREME

d	l	L	D	Z	R	KÓD
mm						
3	8	75	3	2	0.3	LRTA03032-F TREME
3	8	75	3	2	0.5	LRTA03052-F TREME
3	8	75	3	2	1	LRTA03102-F TREME
4	10	75	4	2	0.3	LRTA04032-F TREME
4	10	75	4	2	0.5	LRTA04052-F TREME
4	10	75	4	2	1	LRTA04102-F TREME
4	10	75	4	2	1.5	LRTA04152-F TREME
6	15	100	6	2	0.3	LRTA06032-F TREME
6	15	100	6	2	0.5	LRTA06052-F TREME
6	15	100	6	2	1	LRTA06102-F TREME
6	15	100	6	2	1.5	LRTA06152-F TREME
6	15	100	6	2	2	LRTA06202-F TREME
8	20	100	8	2	0.3	LRTA08032-F TREME
8	20	100	8	2	0.5	LRTA08052-F TREME
8	20	100	8	2	1	LRTA08102-F TREME
8	20	100	8	2	1.5	LRTA08152-F TREME
8	20	100	8	2	2	LRTA08202-F TREME
8	20	100	8	2	2.5	LRTA08252-F TREME
8	20	100	8	2	3	LRTA08302-F TREME
10	25	100	1	2	0.5	LRTA08102-F TREME
10	25	100	0	2	1	LRTA10102-F TREME
10	25	100	1	2	1.5	LRTA10152-F TREME
10	25	100	0	2	2	LRTA10202-F TREME
10	25	100	1	2	2.5	LRTA10252-F TREME
10	25	100	0	2	3	LRTA10302-F TREME
12	30	100	1	2	0.5	LRTA12052-F TREME
12	30	100	0	2	1	LRTA12102-F TREME
12	30	100	1	2	1.5	LRTA12152-F TREME
12	30	100	0	2	2	LRTA12202-F TREME
12	30	100	1	2	3	LRTA12302-F TREME

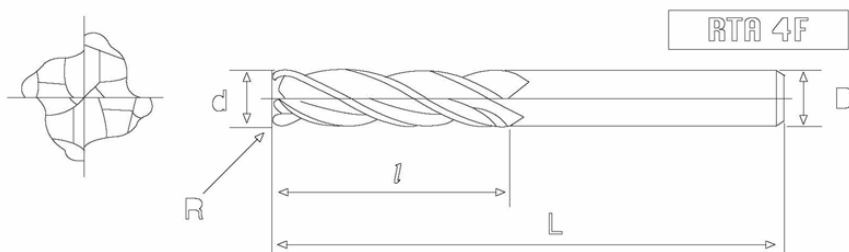
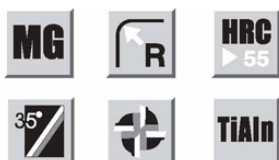
STOPKOVÁ FRÉZA RADIUSOVÁ TORUS 4-břítá


STRTA-F TREME

d mm	l	L	D	Z	R	KÓD
3	8	50	3	4	0.3	RTA03034-F TREME
3	8	50	3	4	0.5	RTA03054-F TREME
3	8	50	3	4	1	RTA03104-F TREME
4	10	50	4	4	0.3	RTA04034-F TREME
4	10	50	4	4	0.5	RTA04054-F TREME
4	10	50	4	4	1	RTA04104-F TREME
4	10	50	4	4	1.5	RTA04154-F TREME
6	15	50	6	4	0.3	RTA06034-F TREME
6	15	50	6	4	0.5	RTA06054-F TREME
6	15	50	6	4	1	RTA06104-F TREME
6	15	50	6	4	1.5	RTA06154-F TREME
6	15	50	6	4	2	RTA06204-F TREME
8	20	60	8	4	0.3	RTA08254-F TREME
8	20	60	8	4	0.5	RTA08304-F TREME
8	20	60	8	4	1	RTA08104-F TREME
8	20	60	8	4	1.5	RTA08154-F TREME
8	20	60	8	4	2	RTA08204-F TREME
8	20	60	8	4	2.5	RTA08254-F TREME
8	20	60	8	4	3	RTA08304-F TREME
10	20	75	1	4	0.5	RTA10054-F TREME
10	25	75	0	4	1	RTA10104-F TREME
10	25	75	1	4	1.5	RTA10154-F TREME
10	25	75	0	4	2	RTA10204-F TREME
10	25	75	1	4	2.5	RTA10254-F TREME
10	25	75	0	4	3	RTA10304-F TREME
12	30	75	1	4	0.5	RTA12054-F TREME
12	30	75	0	4	1	RTA12104-F TREME
12	30	75	1	4	1.5	RTA12154-F TREME
12	30	75	0	4	2	RTA12204-F TREME
12	30	75	1	4	3	RTA12304-F TREME

STOPKOVÁ FRÉZA RADIUSOVÁ TORUS

4-břitá prodloužená

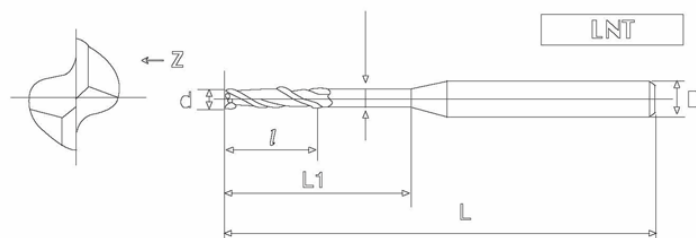


STLRTA-F TREME

d	l		D	Z	R	KÓD
mm						
3	8	75	3	4	0.3	LRTA03034-F TREME
3	8	75	3	4	0.5	LRTA03054-F TREME
3	8	75	3	4	1	LRTA03104-F TREME
4	10	75	4	4	0.3	LRTA04034-F TREME
4	10	75	4	4	0.5	LRTA04054-F TREME
4	10	75	4	4	1	LRTA04104-F TREME
4	10	75	4	4	1.5	LRTA04154-F TREME
6	15	100	6	4	0.3	LRTA06034-F TREME
6	15	100	6	4	0.5	LRTA06054-F TREME
6	15	100	6	4	1	LRTA06104-F TREME
6	15	100	6	4	1.5	LRTA06154-F TREME
6	15	100	6	4	2	LRTA06204-F TREME
8	20	100	8	4	0.3	LRTA08254-F TREME
8	20	100	8	4	0.5	LRTA08304-F TREME
8	20	100	8	4	1	LRTA08104-F TREME
8	20	100	8	4	1.5	LRTA08154-F TREME
8	20	100	8	4	2	LRTA08204-F TREME
8	20	100	8	4	2.5	LRTA08254-F TREME
8	20	100	8	4	3	LRTA08304-F TREME
10	20	100	10	4	0.5	LRTA10054-F TREME
10	25	100	10	4	1	LRTA10104-F TREME
10	25	100	10	4	1.5	LRTA10154-F TREME
10	25	100	10	4	2	LRTA10204-F TREME
10	25	100	10	4	2.5	LRTA10254-F TREME
10	25	100	10	4	3	LRTA10304-F TREME
12	30	100	12	4	0.5	LRTA12054-F TREME
12	30	100	12	4	1	LRTA12104-F TREME
12	30	100	12	4	1.5	LRTA12154-F TREME
12	30	100	12	4	2	LRTA12204-F TREME
12	30	100	12	4	3	LRTA12304-F TREME

STOPKOVÁ FRÉZA S DLOUHÝM ODLEHČENÍM

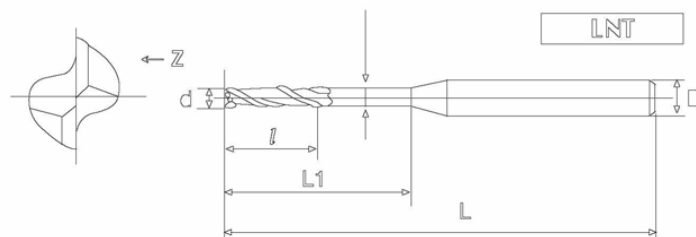
2-břítá s titanovým povlakem


STLNT-F TREME

d mm	l	L1	L	D		KÓD
0.5	0.75	2	50	4	2	LNT05022-F TREME
0.5	0.75	4	50	4	2	LNT05042-F TREME
0.5	0.75	6	50	4	2	LNT05062-F TREME
0.6	0.9	2	50	4	2	LNT06022-F TREME
0.6	0.9	4	50	4	2	LNT06042-F TREME
0.6	0.9	6	50	4	2	LNT06062-F TREME
0.7	1.1	4	50	4	2	LNT07042-F TREME
0.7	1.1	6	50	4	2	LNT07062-F TREME
0.8	1.2	4	50	4	2	LNT08042-F TREME
0.8	1.2	8	50	4	2	LNT08062-F TREME
0.8	1.2	6	50	4	2	LNT08082-F TREME
0.9	1.4	8	50	4	2	LNT09062-F TREME
0.9	1.4	10	50	4	2	LNT09082-F TREME
0.9	1.4	6	50	4	2	LNT09102-F TREME
1	1.5	8	50	4	2	LNT10062-F TREME
1	1.5	10	50	4	2	LNT10082-F TREME
1	1.5	12	50	4	2	LNT10102-F TREME
1	1.5	6	50	4	2	LNT10122-F TREME
1.2	1.8	8	50	4	2	LNT12062-F TREME
1.2	1.8	10	50	4	2	LNT12082-F TREME
1.2	1.8	12	50	4	2	LNT12102-F TREME
1.2	1.8	6	50	4	2	LNT12122-F TREME
1.4	2.1	10	50	4	2	LNT14062-F TREME
1.4	2.1	16	50	4	2	LNT14102-F TREME
1.4	2.1	6	50	4	2	LNT14162-F TREME
1.5	2.3	8	50	4	2	LNT15062-F TREME
1.5	2.3	12	50	4	2	LNT15082-F TREME
1.5	2.3	10	50	4	2	LNT15102-F TREME
1.5	2.3	12	50	4	2	LNT15122-F TREME
1.5	2.3	14	50	4	2	LNT15142-F TREME
1.5	2.3	16	50	4	2	LNT15162-F TREME
1.5	2.3	18	50	4	2	LNT15182-F TREME
1.5	2.3	20	50	4	2	LNT15202-F TREME
1.6	2.4	6	50	4	2	LNT16062-F TREME
1.6	2.4	8	50	4	2	LNT16082-F TREME
1.6	2.4	10	50	4	2	LNT16102-F TREME

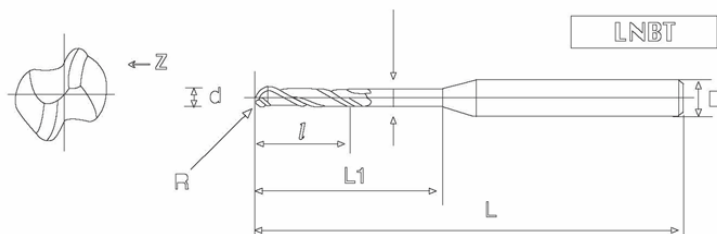
STOPKOVÁ FRÉZA S DLOUHÝM ODLEHČENÍM

2-břítá s titanovým povlakem



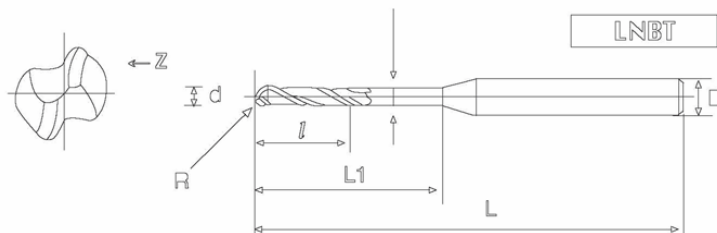
d	l	L1	L	D	Z	KÓD
mm						
1.6	2.4	12	50	4	2	LNT16122-F TREME
1.6	2.4	14	50	4	2	LNT16162-F TREME
1.6	2.4	16	50	4	2	LNT16182-F TREME
1.6	2.4	18	50	4	2	LNT08062-F TREME
1.6	2.4	20	50	4	2	LNT16202-F TREME
1.8	2.7	8	50	4	2	LNT18082-F TREME
1.8	2.7	14	50	4	2	LNT18142-F TREME
1.8	2.7	20	50	4	2	LNT18202-F TREME
2	3	6	50	4	2	LNT20062-F TREME
2	3	8	50	4	2	LNT20082-F TREME
2	3	10	50	4	2	LNT20102-F TREME
2	3	12	50	4	2	LNT20122-F TREME
2	3	14	50	4	2	LNT20142-F TREME
2	3	16	50	4	2	LNT20162-F TREME
2	3	18	50	4	2	LNT20182-F TREME
2	3	20	50	4	2	LNT20202-F TREME
2.5	4	8	50	4	2	LNT25082-F TREME
2.5	4	12	50	4	2	LNT25122-F TREME
2.5	4	16	50	4	2	LNT25162-F TREME
2.5	4	20	50	4	2	LNT25202-F TREME
3	4.5	8	50	6	2	LNT30082-F TREME
3	4.5	12	50	6	2	LNT30122-F TREME
3	4.5	16	60	6	2	LNT30162-F TREME
3	4.5	20	60	6	2	LNT30202-F TREME
3	6	25	75	6	2	LNT30252-F TREME
3.5	6	12	50	6	2	LNT35122-F TREME
3.5	6	16	60	6	2	LNT35162-F TREME
3.5	6	20	75	6	2	LNT35202-F TREME
3.5	6	25	75	6	2	LNT35252-F TREME
3.5	6	30	75	6	2	LNT35302-F TREME
4	6	12	50	6	2	LNT40122-F TREME
4	6	16	60	6	2	LNT40162-F TREME
4	6	20	75	6	2	LNT40202-F TREME
4	6	25	75	6	2	LNT40252-F TREME
4	6	30	75	6	2	LNT40302-F TREME
4	6	35	75	6	2	LNT40352-F TREME

STOPKOVÁ FRÉZA S DLOUHÝM ODLEHČENÍM 2-břitá s titanovým povlakem prodloužená


STLNB-TiAlN

d	l	L1	L	D	Z	R	KÓD
mm							
0.5	0.75	2	50	4	2	0.25	LNBT05022-F TREME
0.5	0.75	4	50	4	2	0.25	LNBT05042-F TREME
0.5	0.75	6	50	4	2	0.25	LNBT05062-F TREME
0.6	0.9	2	50	4	2	0.3	LNBT06022-F TREME
0.6	0.9	4	50	4	2	0.3	LNBT06042-F TREME
0.6	0.9	6	50	4	2	0.3	LNBT06062-F TREME
0.8	1.2	4	50	4	2	0.4	LNBT08042-F TREME
0.8	1.2	6	50	4	2	0.4	LNBT08062-F TREME
0.8	1.2	8	50	4	2	0.4	LNBT08082-F TREME
1	1.5	6	50	4	2	0.5	LNBT10062-F TREME
1	1.5	8	50	4	2	0.5	LNBT10082-F TREME
1	1.5	10	50	4	2	0.5	LNBT18082-F TREME
1	1.5	12	50	4	2	0.5	LNBT10102-F TREME
1.2	1.8	6	50	4	2	0.6	LNBT10122-F TREME
1.2	1.8	8	50	4	2	0.6	LNBT12062-F TREME
1.2	1.8	10	50	4	2	0.6	LNBT12082-F TREME
1.2	1.8	12	50	4	2	0.6	LNBT12102-F TREME
1.4	2.1	6	50	4	2	0.7	LNBT14062-F TREME
1.4	2.1	10	50	4	2	0.7	LNBT14102-F TREME
1.4	2.1	16	50	4	2	0.7	LNBT14162-F TREME
1.5	2.3	6	50	4	2	0.75	LNBT15062-F TREME
1.5	2.3	8	50	4	2	0.75	LNBT15082-F TREME
1.5	2.3	10	50	4	2	0.75	LNBT15102-F TREME
1.5	2.3	12	50	4	2	0.75	LNBT15122-F TREME
1.5	2.3	14	50	4	2	0.75	LNBT15142-F TREME
1.5	2.3	16	50	4	2	0.75	LNBT15162-F TREME
1.5	2.3	18	50	4	2	0.75	LNBT15182-F TREME
1.5	2.3	20	50	4	2	0.75	LNBT15202-F TREME
1.6	2.4	6	50	4	2	0.8	LNBT16062-F TREME
1.6	2.4	8	50	4	2	0.8	LNBT16082-F TREME
1.6	2.4	10	50	4	2	0.8	LNBT16102-F TREME
1.6	2.4	12	50	4	2	0.8	LNBT16122-F TREME
1.6	2.4	14	50	4	2	0.8	LNBT16142-F TREME
1.6	2.42	16	50	4	2	0.8	LNBT16162-F TREME
1.6	4	18	50	4	2	0.8	LNBT16182-F TREME
1.6	2.4	20	50	4	2	0.8	LNBT16202-F TREME

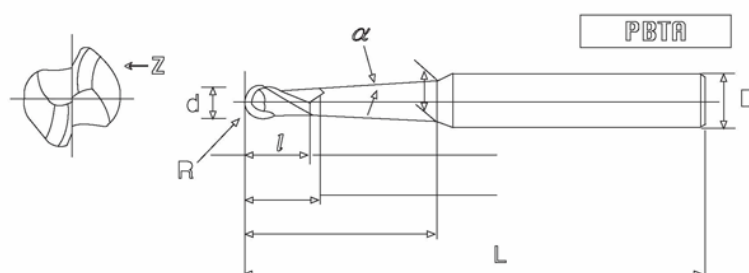
STOPKOVÁ FRÉZA S DLOUHÝM ODLEHČENÍM 2-břítá s titanovým povlakem prodloužená


STLNBT-TiAlN

d	l	L1	L	D	Z	R	KÓD
mm							
1.8	2.7	8	50	4	2	0.9	LNBT18082-F TREME
1.8	2.7	14	50	4	2	0.9	LNBT18142-F TREME
1.8	2.7	20	50	4	2	0.9	LNBT18202-F TREME
2	3	8	50	4	2	1	LNBT20082-F TREME
2	3	10	50	4	2	1	LNBT20102-F TREME
2	3	12	50	4	2	1	LNBT20122-F TREME
2	3	14	50	4	2	1	LNBT20142-F TREME
2	3	16	50	4	2	1	LNBT20162-F TREME
2	3	18	50	4	2	1	LNBT20182-F TREME
2	3	20	50	4	2	1	LNBT20202-F TREME
2.5	4	8	50	4	2	1.25	LNBT25082-F TREME
2.5	4	12	50	4	2	1.25	LNBT25122-F TREME
2.5	4	16	50	4	2	1.25	LNBT25162-F TREME
2.5	4	20	50	4	2	1.25	LNBT25202-F TREME
3	4.5	10	50	6	2	1.5	LNBT30102-F TREME
3	4.5	12	50	6	2	1.5	LNBT30122-F TREME
3	4.5	16	60	6	2	1.5	LNBT30162-F TREME
3	4.5	20	60	6	2	1.5	LNBT30202-F TREME
3	4.5	25	75	6	2	1.5	LNBT30253-F TREME
4	6	12	50	6	2	2	LNBT40122-F TREME
4	6	16	60	6	2	2	LNBT40162-F TREME
4	6	20	75	6	2	2	LNBT40202-F TREME
4	6	25	75	6	2	2	LNBT40252-F TREME
4	6	30	75	6	2	2	LNBT40302-F TREME

STOPKOVÁ FRÉZA RADIUSOVÁ S DLOUHÝM ODLEHČENÍM

2-břítá s titanovým povlakem



STPBTA-F TREME

d mm	l	L	D	R	α	KÓD	
1	2	75	6	2	0.5r	1°	PBT0101-F TREME
1.5	3	75	6	2	0.75r	1°	PBT0151-F TREME
2	4	75	6	2	1r	1°	PBT0201-F TREME
2	12	100	8	2	1r	5°	PBT0205-F TREME
3	6	75	6	2	1.5r	1°	PBT0301-F TREME
3	8	100	8	2	1.5r	5°	PBT0305-F TREME
4	8	75	6	2	2r	1°	PBT0401-F TREME
4	10	100	8	2	2r	5°	PBT0405-F TREME
6	12	100	10	2	3r	5°	PBT0605-F TREME
6	16	150	12	2	3r	3°	PBT0603-F TREME
8	16	100	12	2	4r	5°	PBT0805-F TREME
8	20	150	12	2	4r	3°	PBT0803-F TREME

VÝSTRUŽNÍK

od ø 1,0mm do ø 4,6mm



STREAMER

d mm	l	L	KÓD
1.0	6	34	RE010
1.1	7	36	RE011
1.2	7	38	RE012
1.3	7	38	RE013
1.4	8	40	RE014
1.5	8	40	RE015
1.6	9	43	RE016
1.7	9	43	RE017
1.8	10	46	RE018
1.9	10	46	RE019
2.0	11	49	RE020
2.1	11	49	RE021
2.2	12	53	RE022
2.3	12	53	RE023
2.4	14	57	RE024
2.5	14	57	RE025
2.6	14	57	RE026
2.7	15	61	RE027
2.8	15	61	RE028
2.9	15	61	RE029
3.0	15	61	RE030
3.1	16	65	RE031
3.2	16	65	RE032
3.3	16	65	RE033
3.4	18	70	RE034
3.5	18	70	RE035
3.6	18	70	RE036
3.7	18	70	RE037
3.8	19	75	RE038
3.9	19	75	RE039
4.0	19	75	RE040
4.1	19	75	RE041
4.2	19	75	RE042
4.3	21	80	RE043
4.4	21	80	RE044
4.5	21	80	RE045
4.6	21	80	RE046

VÝSTRUŽNÍK

od ø 4,7mm do ø 8,3mm



STREAMER

d mm	l	L	KÓD
4.7	21	80	RE047
4.8	23	86	RE048
4.9	23	86	RE049
5.0	23	86	RE050
5.1	23	86	RE051
5.2	23	86	RE052
5.3	23	86	RE053
5.4	26	93	RE054
5.5	26	93	RE055
5.6	26	93	RE056
5.7	26	93	RE057
5.8	26	93	RE058
5.9	26	93	RE059
6.0	26	93	RE060
6.1	28	101	RE061
6.2	28	101	RE062
6.3	28	101	RE063
6.4	28	101	RE064
6.5	28	101	RE065
6.6	28	101	RE066
6.7	31	101	RE067
6.8	31	109	RE068
6.9	31	109	RE069
7.0	31	109	RE070
7.1	31	109	RE071
7.2	31	109	RE072
7.3	31	109	RE073
7.4	31	109	RE074
7.5	31	109	RE075
7.6	33	117	RE076
7.7	33	117	RE077
7.8	33	117	RE078
7.9	33	117	RE079
8.0	33	117	RE080
8.1	33	117	RE081
8.2	33	117	RE082
8.3	33	117	RE083

VÝSTRUŽNÍK

od ø 8,4mm do ø 12,0mm

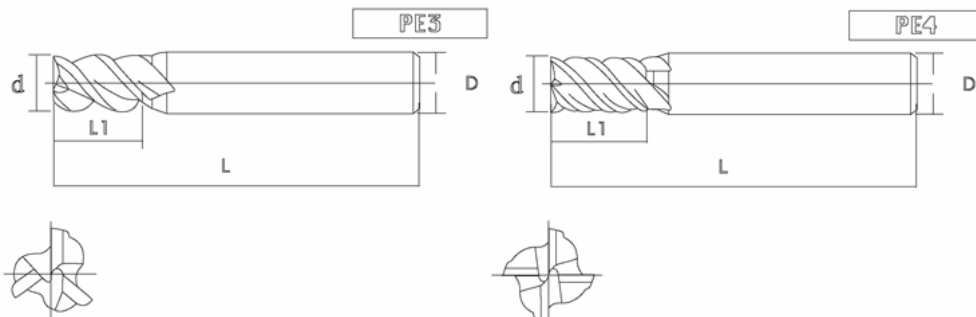


STREAMER

d mm	l	L	KÓD
8.4	33	117	RE084
8.5	33	117	RE085
8.6	36	125	RE086
8.7	36	125	RE087
8.8	36	125	RE088
8.9	36	125	RE089
9.0	36	125	RE090
9.1	36	125	RE091
9.2	36	125	RE092
9.3	36	125	RE093
9.4	36	125	RE094
9.5	36	125	RE095
9.6	38	133	RE096
9.7	38	133	RE097
9.8	38	133	RE098
9.9	38	133	RE099
10.0	38	133	RE100
10.1	38	133	RE101
10.2	38	133	RE102
10.3	38	133	RE103
10.4	38	133	RE104
10.5	38	133	RE105
10.6	38	133	RE106
10.7	41	142	RE107
10.8	41	142	RE108
10.9	41	142	RE109
11.0	41	142	RE110
11.1	41	142	RE111
11.2	41	142	RE112
11.3	41	142	RE113
11.4	41	142	RE114
11.5	41	142	RE115
11.6	41	142	RE116
11.7	41	142	RE117
11.8	41	142	RE118
11.9	44	151	RE119
12.0	44	151	RE120

STOPKOVÁ FRÉZA VÁLCOVÁ STANDARDNÍ

3-břítá s Titanovým povlakem


STPE3-FTREME

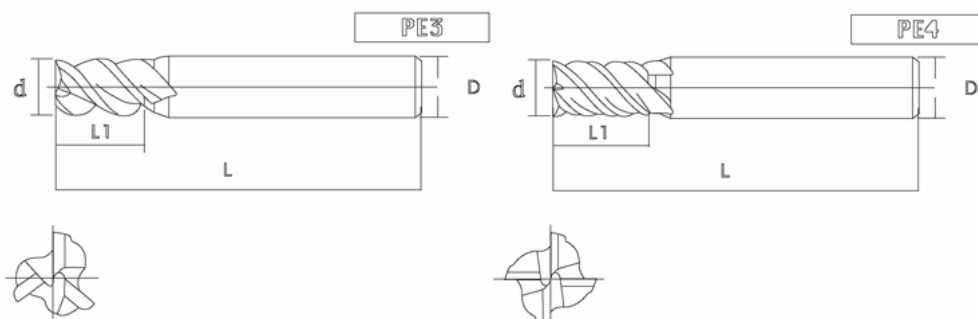
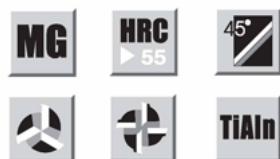
d mm	l	L	D	Z	KÓD
1	3	50	4	3	PE0103-FTREME
1.5	4	50	4	3	PE0153-FTREME
2	6	50	4	3	PE0203-FTREME
2.5	8	50	4	3	PE0153-FTREME
3	8	50	4	3	PE0303-FTREME
3.5	10	50	4	3	PE0353-FTREME
4	11	50	4	3	PE0403-FTREME

STPE3-FTREME

d mm	l	L	D	Z	KÓD
1	3	50	6	3	PE6103-FTREME
1.5	4	50	6	3	PE6153-FTREME
2	6	50	6	3	PE6203-FTREME
2.5	8	50	6	3	PE6253-FTREME
3	8	50	6	3	PE6303-FTREME
3.5	10	50	6	3	PE6353-FTREME
4	11	50	6	3	PE6403-FTREME
4.5	11	50	6	3	PE6453-FTREME
5	13	50	6	3	PE0503-FTREME
5.5	13	50	6	3	PE0553-FTREME
6	15	50	6	3	PE0603-FTREME
7	16	60	8	3	PE0703-FTREME
8	20	60	8	3	PE0803-FTREME
9	20	75	10	3	PE0903-FTREME
10	25	75	10	3	PE1003-FTREME
11	25	75	12	3	PE1103-FTREME
12	30	75	12	3	PE1203-FTREME
14	32	100	16	3	PE14603-FTREME
16	40	100	16	3	PE1603-FTREME

STOPKOVÁ FRÉZA VÁLCOVÁ STANDARDNÍ

4-břítá s Titanovým povlakem


STPE4-FTREME

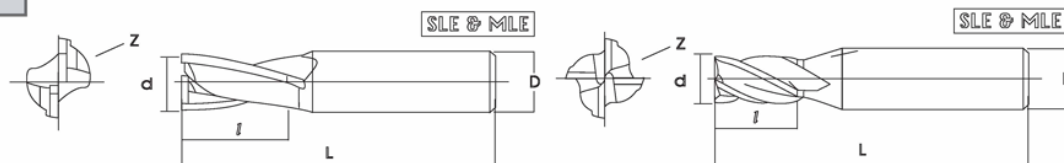
d mm	l	L	D	Z	KÓD
1	3	50	4	4	PE0104-FTREME
1.5	4	50	4	4	PE0154-FTREME
2	6	50	4	4	PE0204-FTREME
2.5	8	50	4	4	PE0154-FTREME
3	8	50	4	4	PE0304-FTREME
3.5	10	50	4	4	PE0354-FTREME
4	11	50	4	4	PE0404-FTREME

STPE4-FTREME

d mm	l	L	D	Z	KÓD
1	3	50	6	4	PE6104-FTREME
1.5	4	50	6	4	PE6154-FTREME
2	6	50	6	4	PE6204-FTREME
2.5	8	50	6	4	PE6254-FTREME
3	8	50	6	4	PE6304-FTREME
3.5	10	50	6	4	PE6354-FTREME
4	11	50	6	4	PE6404-FTREME
4.5	11	50	6	4	PE6454-FTREME
5	13	50	6	4	PE0504-FTREME
5.5	13	50	6	4	PE0554-FTREME
6	15	50	6	4	PE0604-FTREME
7	16	60	8	4	PE0704-FTREME
8	20	60	8	4	PE0804-FTREME
9	20	75	10	4	PE0904-FTREME
10	25	75	10	4	PE1004-FTREME
11	25	75	12	4	PE1104-FTREME
12	30	75	12	4	PE1204-FTREME
14	32	100	16	4	PE1404-FTREME
16	40	100	16	4	PE1604-FTREME

STOPKOVÁ FRÉZA VÁLCOVÁ STANDARDNÍ PRODLOUŽENÁ

2 a 4-břítá s Titanovým povlakem



STSLE-FTREME

d mm	l	L	D	Z	KÓD
6	15	75	6	2	SLE0602-FTREME
8	20	75	8	2	SLE0802-FTREME
10	25	100	10	2	SLE1002-FTREME
12	30	100	12	2	SLE1202-FTREME

STSLE-FTREME

d mm	l	L	D	Z	KÓD
6	15	75	6	4	SLE0604-FTREME
8	20	75	8	4	SLE0804-FTREME
10	25	100	10	4	SLE1004-FTREME
12	30	100	12	4	SLE1204-FTREME

STMLE-FTREME

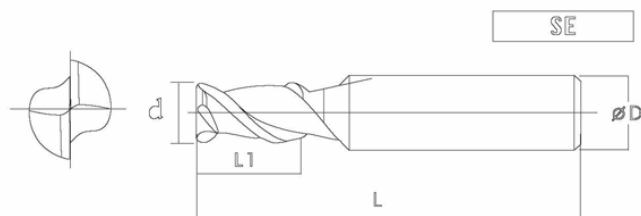
d mm	l	L	D	Z	KÓD
6	15	100	6	2	MLE0602-FTREME
8	20	100	8	2	MLE0802-FTREME
10	25	150	10	2	MLE1002-FTREME
12	30	150	12	2	MLE1202-FTREME

STMLE-FTREME

d mm	l	L	D	Z	KÓD
6	15	100	6	4	MLE0604-FTREME
8	20	100	8	4	MLE0804-FTREME
10	25	150	10	4	MLE1004-FTREME
12	30	150	12	4	MLE1204-FTREME

STOPKOVÁ FRÉZA VÁLCOVÁ STANDARDNÍ

2-břítá s Titanovým povlakem



STSE-FTREME

d mm	l	L	D	Z	KÓD
1	3	50	6	2	SE0102-FTREME
1.5	4	50	6	2	SE0152-FTREME
2	6	50	6	2	SE0202-FTREME
2.5	8	50	6	2	SE0252-FTREME
3	8	50	6	2	SE0302-FTREME
3.5	10	50	6	2	SE0352-FTREME
4	11	50	6	2	SE0402-FTREME
4.5	11	50	6	2	SE0452-FTREME
5	13	50	6	2	SE0502-FTREME
5.5	13	50	6	2	SE0552-FTREME
6	15	50	6	2	SE0602-FTREME
7	16	60	8	2	SE0702-FTREME
8	20	60	8	2	SE0802-FTREME
9	20	75	10	2	SE0902-FTREME
10	25	75	10	2	SE1002-FTREME
11	25	75	12	2	SE1102-FTREME
12	30	75	12	2	SE1202-FTREME
14	32	100	16	2	SE1402-FTREME
16	40	100	16	2	SE1602-FTREME

STMSE-FTREME

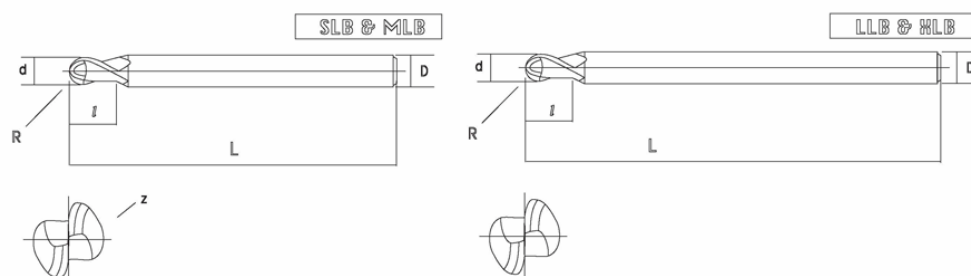
d mm	l	L	D	Z	KÓD
1	3	50	4	2	MSE0102-FTREME
1.5	4	50	4	2	MSE0152-FTREME
2	6	50	4	2	MSE0202-FTREME
2.5	8	50	4	2	MSE0252-FTREME
3	8	50	4	2	MSE0302-FTREME
3.5	10	50	4	2	MSE0352-FTREME
4	11	50	4	2	MSE0402-FTREME

STSSE-FTREME

d mm	l	L	D	Z	KÓD
1	3	50	3	2	SSE0102-FTREME
1.5	4	50	3	2	SSE0152-FTREME
2	6	50	3	2	SSE0202-FTREME
2.5	8	50	3	2	SSE0252-FTREME
3	8	50	3	2	SSE0302-FTREME

STOPKOVÁ FRÉZA RADIUSOVÁ STANDARDNÍ

2-břítá s Titanovým povlakem



STSLB-FTREME

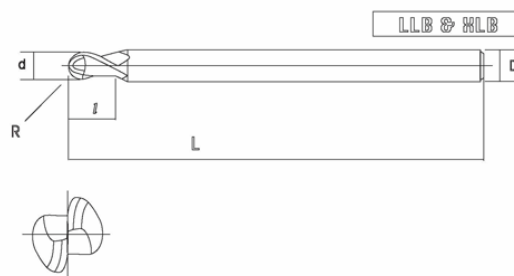
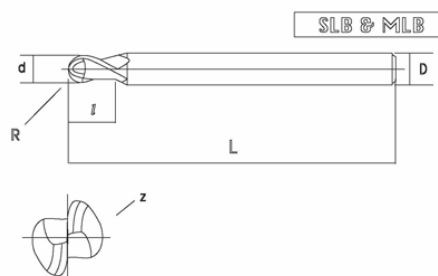
d mm	l	L	D	Z	R	KÓD
1	2	75	6	2	0.5	SLB0102-FTREME
1.5	3	75	6	2	0.75	SLB0152-FTREME
2	4	75	6	2	1	SLB0202-FTREME
2.5	5	75	6	2	1.25	SLB0252-FTREME
3	6	75	6	2	1.5	SLB0302-FTREME
4	8	75	6	2	2	SLB0402-FTREME
5	10	75	6	2	2.5	SLB0502-FTREME
6	12	75	6	2	3	SLB0602-FTREME
8	16	75	8	2	4	SLB0802-FTREME

STMLB-FTREME

d mm	l	L	D	Z	R	KÓD
1	2	100	6	2	0.5	MLB0102-FTREME
1.5	3	100	6	2	0.75	MLB0152-FTREME
2	4	100	6	2	1	MLB0202-FTREME
2.5	5	100	6	2	1.25	MLB0252-FTREME
3	6	100	6	2	1.5	MLB0302-FTREME
3.5	7	100	6	2	1.75	MLB0352-FTREME
4	8	100	6	2	2	MLB0402-FTREME
5	10	100	6	2	2.5	MLB0502-FTREME
6	12	100	6	2	3	MLB0602-FTREME
8	16	100	8	2	4	MLB0852-FTREME
10	20	100	10	2	5	MLB1002-FTREME
12	24	100	12	2	6	MLB1202-FTREME

STOPKOVÁ FRÉZA RADIUSOVÁ STANDARDNÍ

2-břítá s Titanovým povlakem prodloužená



STLLB-FTREME

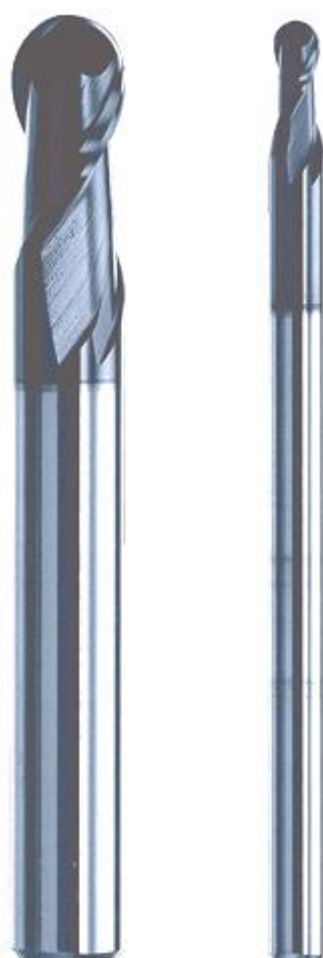
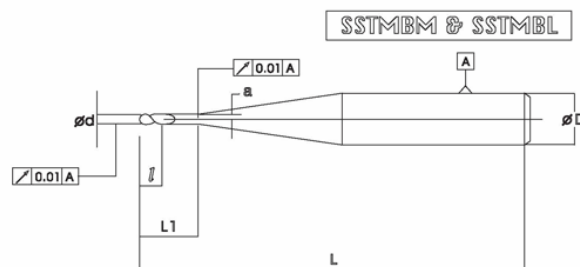
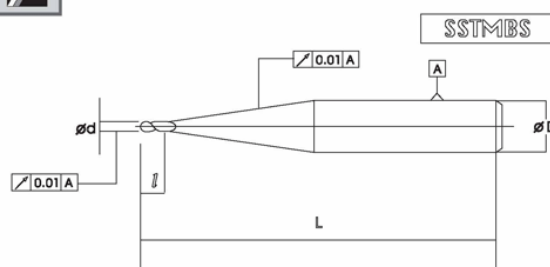
d mm	l	L	D	Z	R	KÓD
6	12	150	6	2	3	LLB0602-FTREME
8	16	150	8	2	4	LLB0852-FTREME
10	20	150	10	2	5	LLB1002-FTREME
12	24	150	12	2	6	LLB1203-FTREME
16	32	150	16	2	8	LLB1602-FTREME

STXLB-FTREME

d mm	l	L	D	Z	R	KÓD
10	20	200	10	2	5	XLB1002-FTREME
12	24	200	12	2	6	XLB1202-FTREME
16	32	200	16	2	8	XLB1602-FTREME

STOPKOVÁ FRÉZA RADIUSOVÁ STANDARDNÍ

2-břítá s Titanovým povlakem


STMSB-FTREME

d mm	l	L	D	Z	R	KÓD
1	2	50	4	2	0.5	MSB0102-FTREME
1.5	3	50	4	2	0.75	MSB0152-FTREME
2	4	50	4	2	1	MSB0202-FTREME
2.5	5	50	4	2	1.25	MSB0252-FTREME
3	6	50	4	2	1.5	MSB0302-FTREME
3.5	7	50	4	2	1.75	MSB0352-FTREME
4	8	50	4	2	2	MSB0402-FTREME

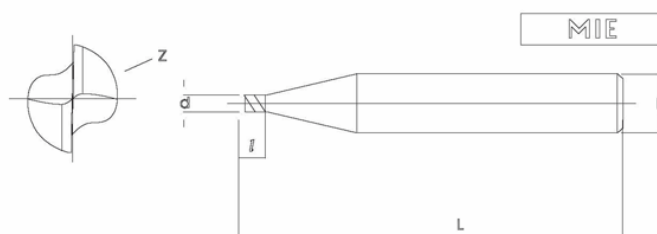
STSSB-FTREME

d mm	l	L	D	Z	R	KÓD
1	2	50	3	2	0.5	SSB0102-FTREME
1.5	3	50	3	2	0.75	SSB0152-FTREME
2	4	50	3	2	1	SSB0202-FTREME
2.5	5	50	3	2	1.25	SSB0252-FTREME
3	6	50	3	2	1.5	SSB0302-FTREME

STSB-FTREME

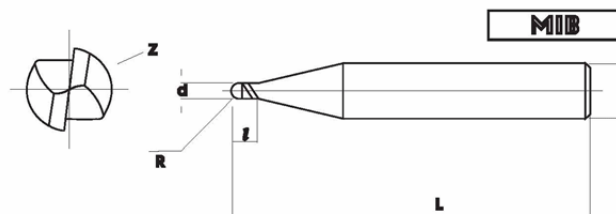
d mm	l	L	D	Z	R	KÓD
1	2	50	6	2	0.5	SB0102-FTREME
1.5	3	50	6	2	0.75	SB0152-FTREME
2	4	50	6	2	1	SB0202-FTREME
2.5	5	50	6	2	1.25	SB0252-FTREME
3	6	50	6	2	1.5	SB0302-FTREME
3.5	7	50	6	2	1.75	SB0352-FTREME
4	8	50	6	2	2	SB0402-FTREME
4.5	9	50	6	2	2.25	SB0452-FTREME
5	10	50	6	2	2.5	SB0502-FTREME
5.5	11	50	6	2	2.75	SB0552-FTREME
6	12	50	6	2	3	SB0602-FTREME
7	14	60	8	2	3.5	SB0702-FTREME
8	16	60	8	2	4	SB0802-FTREME
9	18	75	10	2	4.5	SB0902-FTREME
10	20	75	10	2	5	SB1002-FTREME
11	22	75	12	2	5.5	SB1102-FTREME
12	24	75	12	2	6	SB1202-FTREME
14	28	100	16	2	7	SB1402-FTREME
16	32	100	16	2	8	SB1602-FTREME

STOPKOVÁ MIKRO-FRÉZA VÁLCOVÁ STANDARDNÍ 2-břítá povlakem π HSC


STMIE- π HSC


d mm	l	L	D		Z	KÓD	
			A	B		A	B
0.2	0.4	50	3	4	2	MIE3022	MIE0022- π HSC
0.3	0.6	50	3	4	2	MIE3032	MIE0032- π HSC
0.4	0.7	50	3	4	2	MIE3042	MIE0042- π HSC
0.5	0.8	50	3	4	2	MIE3052	MIE0052- π HSC
0.6	0.9	50	3	4	2	MIE3062	MIE0062- π HSC
0.7	1.4	50	3	4	2	MIE3072	MIE0072- π HSC
0.8	1.6	50	3	4	2	MIE3082	MIE0082- π HSC
0.9	1.8	50	3	4	2	MIE3092	MIE0092- π HSC
1.0	3	50	3	4	2	MIE3102	MIE0102- π HSC
1.1	3	50	3	4	2	MIE3112	MIE0112- π HSC
1.2	3	50	3	4	2	MIE3122	MIE0122- π HSC
1.3	3	50	3	4	2	MIE3132	MIE0132- π HSC
1.4	3	50	3	4	2	MIE3142	MIE0142- π HSC
1.5	4	50	3	4	2	MIE3152	MIE0152- π HSC
1.6	4	50	3	4	2	MIE3162	MIE0162- π HSC
1.7	4	50	3	4	2	MIE3172	MIE0172- π HSC
1.8	4	50	3	4	2	MIE3182	MIE0182- π HSC
1.9	4	50	3	4	2	MIE3192	MIE0192- π HSC
2.0	6	50	3	4	2	MIE3202	MIE0202- π HSC
2.1	6	50	3	4	2	MIE3212	MIE0212- π HSC
2.2	6	50	3	4	2	MIE3222	MIE0222- π HSC
2.3	6	50	3	4	2	MIE3232	MIE0232- π HSC
2.4	6	50	3	4	2	MIE3242	MIE0242- π HSC
2.5	8	50	3	4	2	MIE3252	MIE0252- π HSC
2.6	8	50	3	4	2	MIE3262	MIE0262- π HSC
2.7	8	50	3	4	2	MIE3272	MIE0272- π HSC
2.8	8	50	3	4	2	MIE3282	MIE0282- π HSC
2.9	8	50	3	4	2	MIE3292	MIE0292- π HSC
3.0	8	50	3	4	2	MIE3302	MIE0302- π HSC

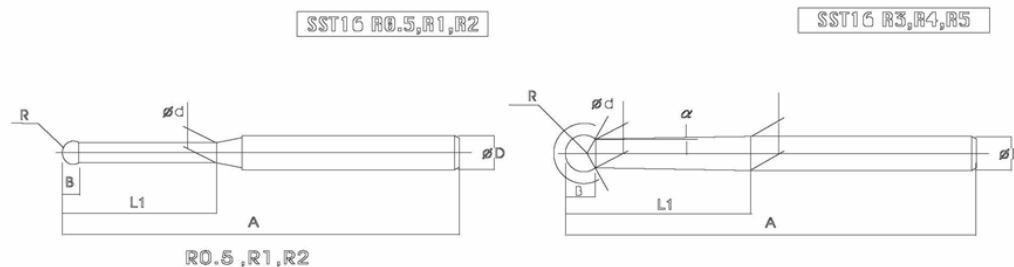
STOPKOVÁ MIKRO-FRÉZA RADIUSOVÁ STANDARDNÍ 2-břitá povlakem π HSC



STMIB- π HSC

d	l	L	D		Z	R	KÓD	
mm			A	B			A	B
0.3	0.6	50	3	4	2	0.15	MIB3032	MIB0032- π HSC
0.4	0.7	50	3	4	2	0.2	MIB3042	MIB0042- π HSC
0.5	0.8	50	3	4	2	0.25	MIB3052	MIB0052- π HSC
0.6	0.9	50	3	4	2	0.3	MIB3062	MIB0062- π HSC
0.7	1.4	50	3	4	2	0.35	MIB3072	MIB0072- π HSC
0.8	1.6	50	3	4	2	0.4	MIB3082	MIB0082- π HSC
0.9	1.8	50	3	4	2	0.45	MIB3092	MIB0092- π HSC
1.0	2	50	3	4	2	5	MIB3102	MIB0102- π HSC
1.1	2.2	50	3	4	2	0.55	MIB3112	MIB0112- π HSC
1.2	2.4	50	3	4	2	0.6	MIB3122	MIB0122- π HSC
1.3	2.6	50	3	4	2	0.65	MIB3132	MIB0132- π HSC
1.4	2.8	50	3	4	2	7	MIB3142	MIB0142- π HSC
1.5	3	50	3	4	2	0.75	MIB3152	MIB0152- π HSC
1.6	3.2	50	3	4	2	0.8	MIB3162	MIB0162- π HSC
1.7	3.4	50	3	4	2	0.85	MIB3172	MIB0172- π HSC
1.8	3.6	50	3	4	2	0.9	MIB3182	MIB0182- π HSC
1.9	3.8	50	3	4	2	0.95	MIB3192	MIB0192- π HSC
2.0	4	50	3	4	2	1	MIB3202	MIB0202- π HSC
2.1	4.2	50	3	4	2	1.05	MIB3212	MIB0212- π HSC
2.2	4.4	50	3	4	2	1.1	MIB3222	MIB0222- π HSC
2.3	4.6	50	3	4	2	1.15	MIB3232	MIB0232- π HSC
2.4	4.8	50	3	4	2	1.2	MIB3242	MIB0242- π HSC
2.5	5	50	3	4	2	1.25	MIB3252	MIB0252- π HSC
2.6	5.2	50	3	4	2	1.3	MIB3262	MIB0262- π HSC
2.7	5.4	50	3	4	2	1.35	MIB3272	MIB0272- π HSC
2.8	5.6	50	3	4	2	1.4	MIB3282	MIB0282- π HSC
2.9	5.8	50	3	4	2	1.45	MIB3292	MIB0292- π HSC
3.0	6	50	3	4	2	1.5	MIB3302	MIB0302- π HSC

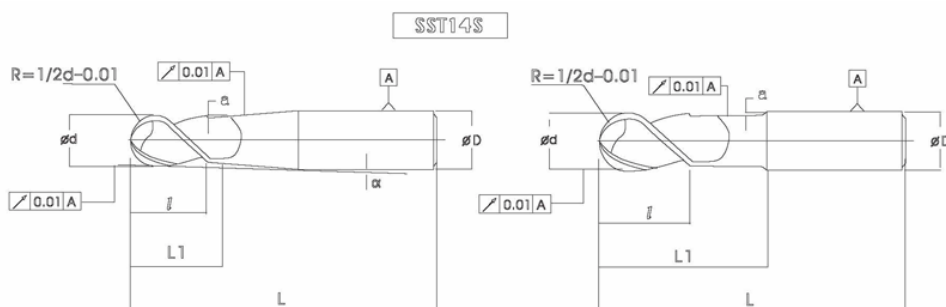
STOPKOVÁ FRÉZA RADIUSOVÁ pro vysokorychlostní obrábění 2-břítá s tvrzeným povlakem pro HGM



SST16S-HIGH SPEED CUTTING + HIGH HRC CUTTING

R mm	B	I	L	D	L1	a	α	KÓD
0.5	0.7	6	80	1	20	0.7	1.5°	SST1601-HARDLUBE
1	1.35	6	80	2	20	1.4	1.5°	SST1602-HARDLUBE
1.5	2	6	80	3	30	2.1	1.5°	SST1603-HARDLUBE
2	2.7	6	80	4	30	3.3	-	SST1604-HARDLUBE
2.5	3.4	6	100	5	40	4.1	-	SST1605-HARDLUBE
3	4	6	100	6	30	4.6	1.5°	SST1606-HARDLUBE
4	5.4	8	100	8	40	6.2	1.5°	SST1608-HARDLUBE
5	6.7	10	110	10	50	7.7	1.5°	SST1610-HARDLUBE

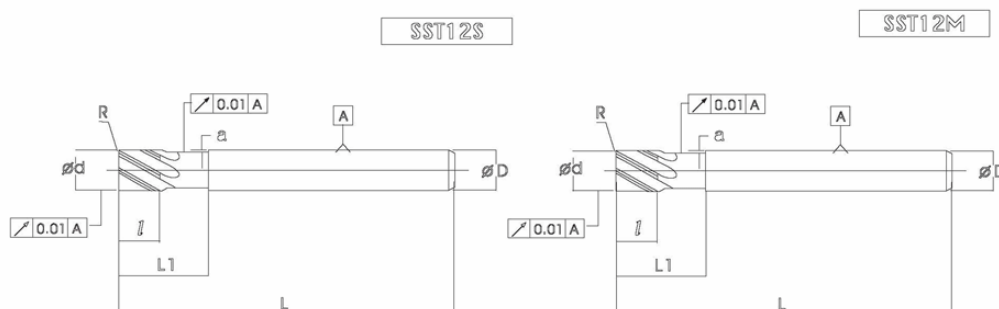
STOPKOVÁ FRÉZA RADIUSOVÁ pro vysokorychlostní obrábění 3-břítá s tvrzeným povlakem pro HGM



SST14S-HARDLUBE COATING

d mm	l	L	D	Z	L1	a	α	KÓD
2	3	60	6	3	5	0.05	7° 30'	SST14S020-HIMI
2.5	4	60	6	3	6	0.05	7°	SST14S025-HIMI
3	4.5	60	6	3	7	0.1	5° 30'	SST14S030-HIMI
3.5	5	60	6	3	7	0.15	4°	SST14S035-HIMI
4	6	60	6	3	8	0.15	3° 30'	SST14S040-HIMI
5	7.5	75	6	3	10	0.2	2° 30'	SST14S050-HIMI
6	9	75	6	3	12	0.2	-	SST14S060-HIMI
8	12	75	8	3	25	0.3	-	SST14S080-HIMI
10	15	100	10	3	30	0.3	-	SST14S100-HIMI
12	18	100	12	3	35	0.3	-	SST14S120-HIMI
16	24	100	16	3	40	0.3	-	SST14S160-HIMI

STOPKOVÁ FRÉZA RADIUSOVÁ pro vysokorychlostní obrábění 6-břítá s tvrzeným povlakem pro HGM



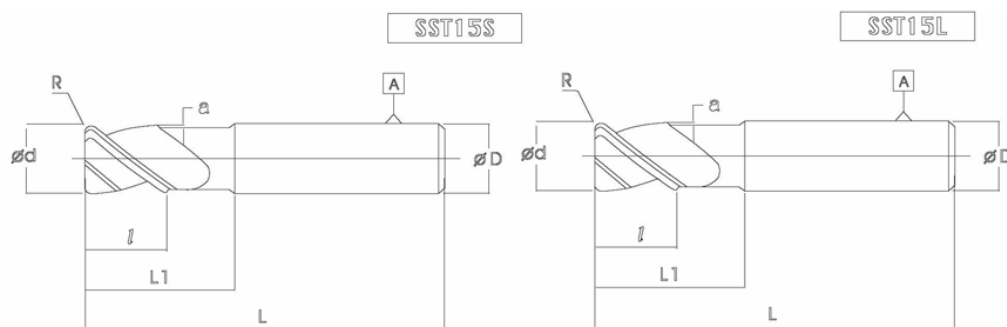
SST12S-HARDLUBE COATING

d mm	l	L	D	Z	L1	a	R	KÓD
6	6	50	6	6	12	0.2	0.2	SST12S060-HARDLUBE
8	8	60	8	6	16	0.3	0.2	SST12S080-HARDLUBE
10	10	75	10	6	20	0.3	0.3	SST12S100-HARDLUBE
12	12	75	12	6	24	0.3	0.5	SST12S120-HARDLUBE
16	16	100	16	8	30	0.3	0.5	SST12S160-HARDLUBE
20	20	100	20	8	35	0.4	0.5	SST12S200-HARDLUBE

SST12M-HARDLUBE COATING

d mm	l	L	D	Z	L1	a	R	KÓD
6	9	60	6	6	15	0.2	0.2	SST12M060-HARDLUBE
8	12	60	8	6	18	0.3	0.2	SST12M080-HARDLUBE
10	15	75	10	6	25	0.3	0.3	SST12M100-HARDLUBE
12	18	75	12	6	30	0.3	0.5	SST12M120-HARDLUBE
16	24	100	16	8	35	0.3	0.5	SST12M160-HARDLUBE
20	30	100	20	8	40	0.4	0.5	SST12M200-HARDLUBE

STOPKOVÁ FRÉZA RADIUSOVÁ pro vysokorychlostní obrábění 3-břítá s tvrzeným povlakem pro HGM

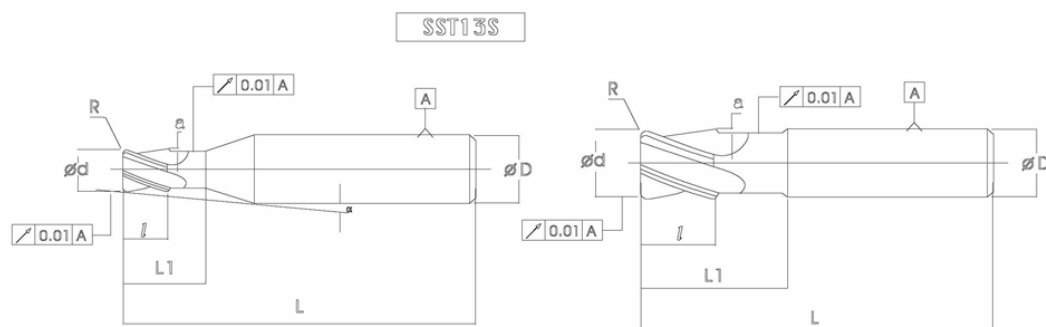

SST15S-HARDLUBE COATING / HIMI COATING

d	l	L	D	Z	L1	a	R	KÓD
mm								
2	3	40	3	3	6	0.05	0.2	SST15S020-HARDLUBE/HIMI
2.5	4	40	3	3	6	0.05	0.2	SST15S025-HARDLUBE/HIMI
3	4	40	3	3	7	0.1	0.2	SST15S030-HARDLUBE/HIMI
3.5	5	50	6	3	9	0.15	0.2	SST15S035-HARDLUBE/HIMI
4	5	50	6	3	9	0.15	0.2	SST15S040-HARDLUBE/HIMI
5	6	50	6	3	11	0.2	0.2	SST15S050-HARDLUBE/HIMI
6	7	60	6	3	14	0.2	0.3	SST15S060-HARDLUBE/HIMI
8	9	60	8	3	18	0.3	0.5	SST15S080-HARDLUBE/HIMI
10	12	75	10	3	25	0.3	0.5	SST15S100-HARDLUBE/HIMI
12	15	75	12	3	30	0.3	0.6	SST15S120-HARDLUBE/HIMI
16	18	100	16	3	38	0.3	0.6	SST15S160-HARDLUBE/HIMI

SST15L-HARDLUBE COATING / TRIBON COATING

d	l	L	D	Z	L1	a	R	KÓD
mm								
2	3	60	3	3	10	0.05	0.2	SST15L020-HARDLUBE/HIMI
3	4	60	3	3	14	0.1	0.2	SST15L030-HARDLUBE/HIMI
4	5	60	6	3	18	0.15	0.2	SST15L040-HARDLUBE/HIMI
5	6	60	6	3	22	0.2	0.2	SST15L050-HARDLUBE/HIMI
6	7	75	6	3	26	0.2	0.3	SST15L060-HARDLUBE/HIMI
8	9	75	8	3	36	0.3	0.5	SST15L080-HARDLUBE/HIMI
10	12	100	10	3	45	0.3	0.5	SST15L100-HARDLUBE/HIMI
12	15	125	12	3	55	0.3	0.6	SST15L120-HARDLUBE/HIMI
16	18	125	16	3	65	0.3	0.6	SST15L160-HARDLUBE/HIMI

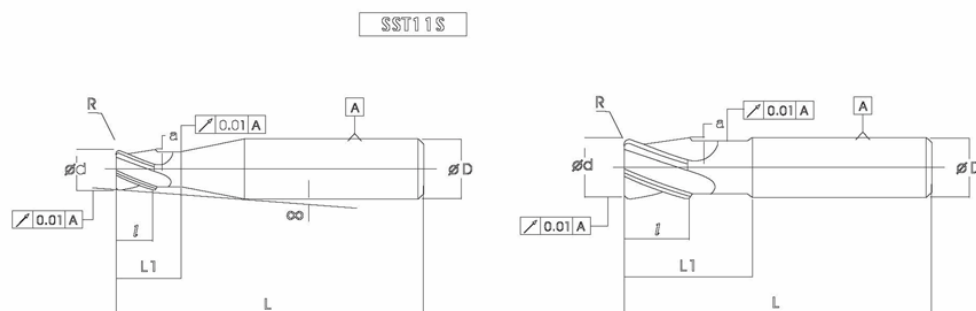
STOPKOVÁ FRÉZA RADIUSOVÁ pro vysokorychlostní obrábění 2-břítá s tvrzeným povlakem pro HGM



SST13S-HARDLUBE COATING

d	l	L	D	Z	L1	a	R	α	KÓD
mm									
2	2	50	4	2	6	0.05	0.5	6°	SST13S020-HARDLUBE
3	3	50	4	2	9	0.1	1.0	2° 30'	SST13S030-HARDLUBE
4	4	50	6	2	10	0.15	1.0	4° 30'	SST13S040-HARDLUBE
6	6	50	6	2	15	0.2	1.5	-	SST13S060-HARDLUBE
8	8	60	8	4	20	0.3	2.0	-	SST13S080-HARDLUBE
10	10	75	10	4	25	0.3	2.5	-	SST13S100-HARDLUBE
12	12	75	12	4	26	0.3	3.0	-	SST13S120-HARDLUBE
16	16	100	16	4	32	0.3	4.0	-	SST13S160-HARDLUBE

STOPKOVÁ FRÉZA RADIUSOVÁ pro vysokorychlostní obrábění 3-břítá s tvrzeným povlakem pro HGM



SST11S-HARDLUBE COATING

d	l	L	D	Z	L1	a	R	α	KÓD
mm									
2	2.5	50	6	4	5	0.05	0.2	10°	SST11S020-HARDLUBE
2.5	3	50	6	4	6	0.05	0.5	9°	SST11S025-HARDLUBE
3	4	50	6	4	7	0.1	0.3	7°	SST11S030-HARDLUBE
3.5	4.5	50	6	4	8	0.15	0.35	5° 30'	SST11S035-HARDLUBE
4	5	50	6	4	9	0.15	0.4	4° 30'	SST11S040-HARDLUBE
5	6	50	6	4	12	0.2	0.5	2° 30'	SST11S050-HARDLUBE
6	7	60	6	4	14	0.2	0.6	-	SST11S060-HARDLUBE
8	10	60	8	4	18	0.3	0.8	-	SST11S080-HARDLUBE
10	12	75	10	4	25	0.3	1.0	-	SST11S100-HARDLUBE
12	15	75	12	4	30	0.3	1.2	-	SST11S120-HARDLUBE
16	18	100	16	4	35	0.3	1.6	-	SST11S160-HARDLUBE

ZNAČENÍ

Typ materiálu
Karbíd



Radius N



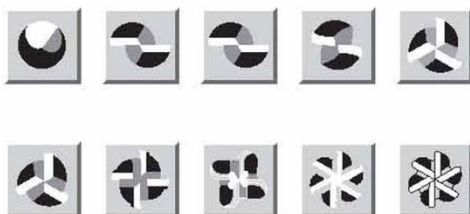
Tvrдост



Úhel šroubovice



Počet břitů



Povlak



VZOREČKY PRO OBRÁBĚNÍ

1. Řezná rychlost: V_c (m/min)

$$V_c = \frac{\pi \times d \times n}{1000}$$

$\pi = 3,14$; d = průměr nástroje; n = otáčky

2. Otáčky: n (min – 1)

$$n = \frac{V_c \times 1000}{d \times \pi}$$

V_c řezná rychlost; $\pi = 3,14$; d = průměr nástroje

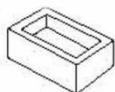
3. Posuv: V_f (mm/min)

$$V_f = n \times z \times f_z$$

n = otáčky; z = počet zubů; f_z = posuv na zubu

HRUBOVÁNÍ

KAPSA



STRANOVÉ



TVAROVÉ



Materiál		VC (m/min)	fz ø 2-3	fz ø 4-6	fz ø 8-10	fz ø 12-16	fz ø 20-25	Chlazení
Konstrukční	kapsa	155	0,014	0,028	0,057	0,084	0,114	M/A/D/E*
ocel	stranové	255	0,022	0,044	0,088	0,132	0,176	M/A/D/E*
	tvárové	310	0,025	0,048	0,097	0,145	0,194	M/A/D/E*
Nástrojová	kapsa	145	0,013	0,026	0,053	0,079	0,105	M/A/D/E*
ocel < 55	stranové	240	0,020	0,040	0,081	0,122	0,163	M/A/D/E*
	tvárové	285	0,022	0,045	0,089	0,134	0,178	M/A/D/E*
Nástrojová	kapsa	75	0,011	0,021	0,045	0,069	0,098	M/A/D/E*
ocel > 55	stranové	125	0,016	0,032	0,069	0,106	0,152	M/A/D/E*
	tvárové	150	0,017	0,034	0,074	0,113	0,163	M/A/D/E*
Ušlechtilá	kapsa	135	0,013	0,027	0,055	0,080	0,108	M/A/D/E*
ocel	stranové	230	0,020	0,041	0,084	0,123	0,167	M/A/D/E*
	tvárové	275	0,022	0,046	0,092	0,136	0,184	M/A/D/E*
Hliník	kapsa	1910	0,022	0,043	0,086	0,122	0,180	M/A/D/E*
	stranové	1910	0,027	0,054	0,108	0,153	0,225	M/A/D/E*
	tvárové	1910	0,031	0,060	0,112	0,171	0,252	M/A/D/E*
Měď	kapsa	400	0,014	0,027	0,054	0,081	0,135	M/A/D/E*
	stranové	400	0,018	0,036	0,072	0,108	0,180	M/A/D/E*
	tvárové	600	0,020	0,040	0,080	0,120	0,200	M/A/D/E*
Grafit	kapsa	600	0,016	0,032	0,068	0,203	0,126	M/A/D/E*
	stranové	600	0,020	0,041	0,086	0,117	0,158	M/A/D/E*
	tvárové	800	0,022	0,044	0,094	0,127	0,172	M/A/D/E*
Titan	kapsa	80	0,010	0,021	0,042	0,063	0,104	M/A/D/E*
	stranové	135	0,017	0,035	0,070	0,104	0,174	M/A/D/E*
	tvárové	160	0,018	0,037	0,075	0,111	0,183	M/A/D/E*
Nerez ocel	kapsa	80	0,011	0,022	0,044	0,065	0,108	M/A/D/E*
	stranové	135	0,018	0,036	0,073	0,108	0,181	M/A/D/E*
	tvárové	160	0,019	0,039	0,077	0,114	0,192	M/A/D/E*
Super slitiny	kapsa	25	0,009	0,018	0,034	0,054	0,090	M/A/D/E*
	stranové	40	0,015	0,030	0,056	0,090	0,151	M/A/D/E*
	tvárové	50	0,016	0,032	0,058	0,095	0,158	M/A/D/E*
Plasty	kapsa	280	0,015	0,031	0,058	0,085	0,139	M/A/D/E*
	stranové	360	0,020	0,041	0,077	0,113	0,185	M/A/D/E*
	tvárové	380	0,022	0,045	0,085	0,124	0,203	M/A/D/E*
	kapsa	120	0,012	0,025	0,049	0,071	0,122	M/A/D/E*
	stranové	175	0,017	0,035	0,069	0,101	0,175	M/A/D/E*
	tvárové	190	0,019	0,038	0,075	0,109	0,189	M/A/D/E*

Vysvětlivky:

E = emulze

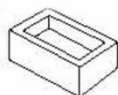
M = mlha

A = vzduch

D = bez chlazení

FINIŠOVÁNÍ

KAPSA



STRANOVÉ



TVAROVÉ



Materiál		VC (m/min)	fz ø 2-3	fz ø 4-6	fz ø 8-10	fz ø 12-16	fz ø 20-25	Chlazení
Konstrukční	kapsa	225	0,016	0,032	0,065	0,095	0,130	M/A/D/E*
ocel	stranové	345	0,025	0,50	0,100	0,150	0,200	M/A/D/E*
	tvarové	410	0,028	0,055	0,100	0,165	0,220	M/A/D/E*
Nástrojová	kapsa	175	0,014	0,29	0,059	0,088	0,117	M/A/D/E*
ocel < 55	stranové	295	0,022	0,045	0,090	0,135	0,180	M/A/D/E*
	tvarové	325	0,024	0,050	0,099	0,149	0,198	M/A/D/E*
Nástrojová	kapsa	35	0,012	0,023	0,049	0,075	0,107	M/A/D/E*
ocel > 55	stranové	140	0,018	0,035	0,075	0,115	0,165	M/A/D/E*
	tvarové	150	0,019	0,037	0,080	0,123	0,177	M/A/D/E*
Ušlechtilá	kapsa	155	0,015	0,31	0,062	0,091	0,123	M/A/D/E*
ocel	stranové	255	0,023	0,047	0,095	0,140	0,190	M/A/D/E*
	tvarové	295	0,025	0,052	0,105	0,154	0,209	M/A/D/E*
Hliník	kapsa	1910	0,024	0,048	0,096	0,136	0,200	M/A/D/E*
	stranové	1910	0,030	0,060	0,120	0,170	0,250	M/A/D/E*
	tvarové	1910	0,034	0,067	0,134	0,190	0,280	M/A/D/E*
Měď	kapsa	400	0,018	0,036	0,076	0,225	0,140	M/A/D/E*
	stranové	400	0,022	0,045	0,095	0,130	0,175	M/A/D/E*
	tvarové	600	0,024	0,049	0,104	0,141	0,191	M/A/D/E*
Grafit	kapsa	600	0,016	0,032	0,068	0,203	0,126	M/A/D/E*
	stranové	600	0,020	0,041	0,086	0,117	0,158	M/A/D/E*
	tvarové	800	0,022	0,044	0,094	0,127	0,172	M/A/D/E*
Titan	kapsa	90	0,012	0,024	0,048	0,072	0,120	M/A/D/E*
	stranové	155	0,020	0,040	0,080	0,120	0,200	M/A/D/E*
	tvarové	180	0,021	0,043	0,086	0,128	0,214	M/A/D/E*
Nerez ocel	kapsa	105	0,013	0,025	0,051	0,075	0,216	M/A/D/E*
	stranové	175	0,021	0,042	0,085	0,125	0,210	M/A/D/E*
	tvarové	205	0,022	0,045	0,090	0,133	0,223	M/A/D/E*
Super slitiny	kapsa	30	0,011	0,021	0,039	0,063	0,105	M/A/D/E*
	stranové	50	0,018	0,035	0,065	0,105	0,175	M/A/D/E*
	tvarové	55	0,019	0,037	0,068	0,110	0,184	M/A/D/E*
Plasty	kapsa	335	0,017	0,034	0,064	0,094	0,154	M/A/D/E*
	stranové	420	0,022	0,045	0,085	0,125	0,205	M/A/D/E*
	tvarové	500	0,024	0,050	0,094	0,138	0,226	M/A/D/E*
	kapsa	160	0,013	0,027	0,053	0,077	0,133	M/A/D/E*
	stranové	230	0,019	0,038	0,075	0,110	0,190	M/A/D/E*
	tvarové	270	0,021	0,041	0,081	0,119	0,205	M/A/D/E*

Vysvětlivky:

E = emulze

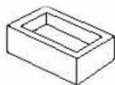
M = mlha

A = vzduch

D = bez chlazení

VELIKOST TŘÍSKY

KAPSA



STRANOVÉ



TVAROVÉ



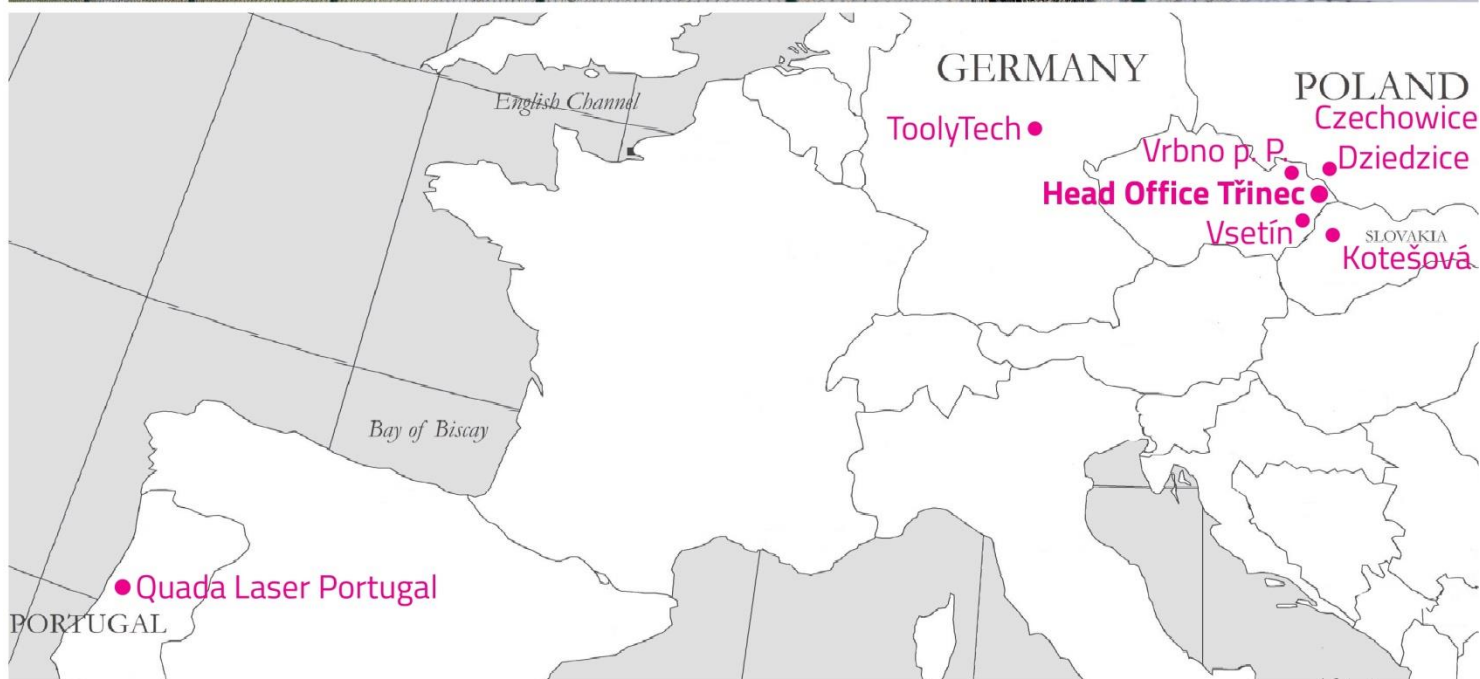
Materiál	Hrubování	Finišování	Hrubování	Finišování	Hrubování	Finišování
Konstrukční ocel	ae 1xd	ae 1xd	ae 0,04xd	ae 0,03xd	ae 0,02xd	ae 0,01xd
	ap 0,06xd	ap 0,03xd	ap 1,12xd	ap 0,85xd	ap 0,05xd	ap 0,02xd
Nástrojová ocel < 55	ae 1xd	ae 1xd	ae 0,03xd	ae 0,02xd	ae 0,02xd	ae 0,01xd
	ap 0,04xd	ap 0,02xd	ap 0,82xd	ap 0,65xd	ap 0,03xd	ap 0,02xd
Nástrojová ocel > 55	ae 1xd	ae 1xd	ae 0,03xd	ae 0,01xd	ae 0,02xd	ae 0,01xd
	ap 0,03xd	ap 0,01xd	ap 0,75xd	ap 0,045xd	ap 0,02xd	ap 0,01xd
Ušlechtilá ocel	ae 1xd	ae 1xd	ae 0,02xd	ae 0,01xd	ae 0,03xd	ae 0,02xd
	ap 0,04xd	ap 0,02xd	ap 0,85xd	ap 0,64xd	ap 0,04xd	ap 0,02xd
Hliník	ae 1xd	ae 1xd	ae 0,25xd	ae 0,05xd	ae 0,25xd	ae 0,04xd
	ap 0,12xd	ap 0,05xd	ap 1,25xd	ap 0,82xd	ap 0,35xd	ap 0,05xd
Měď	ae 1xd	ae 1xd	ae 0,15xd	ae 0,04xd	ae 0,08xd	ae 0,03xd
	ap 0,09xd	ap 0,03xd	ap 1,05xd	ap 0,75xd	ap 0,15xd	ap 0,05xd
Grafit	ae 1xd	ae 1xd	ae 0,18xd	ae 0,06xd	ae 0,1xd	ae 0,02xd
	ap 0,22xd	ap 0,03xd	ap 0,65xd	ap 0,45xd	ap 0,25xd	ap 0,03xd
Titan	ae 1xd	ae 1xd	ae 0,02xd	ae 0,01xd	ae 0,02xd	ae 0,01xd
	ap 0,03xd	ap 0,01xd	ap 0,75xd	ap 0,43xd	ap 0,03xd	ap 0,02xd
Nerez ocel	ae 1xd	ae 1xd	ae 0,02xd	ae 0,01xd	ae 0,02xd	ae 0,01xd
	ap 0,04xd	ap 0,01xd	ap 0,83xd	ap 0,58xd	ap 0,03xd	ap 0,02xd
Super slitiny	ae 1xd	ae 1xd	ae 0,02xd	ae 0,01xd	ae 0,02xd	ae 0,01xd
	ap 0,03xd	ap 0,01xd	ap 0,52xd	ap 0,35xd	ap 0,02xd	ap 0,01xd
Plasty	ae 1xd	ae 1xd	ae 0,08xd	ae 0,04xd	ae 0,06xd	ae 0,03xd
	ap 0,12xd	ap 0,03xd	ap 0,95xd	ap 0,63xd	ap 0,07xd	ap 0,04xd
Plasty	ae 1xd	ae 1xd	ae 0,02xd	ae 0,01xd	ae 0,02xd	ae 0,01xd
	ap 0,06xd	ap 0,02xd	ap 0,45xd	ap 0,32xd	ap 0,03xd	ap 0,02xd

Vysvětlivky: ae = poloměr řezu
 ap = osa hloubky řezu

Poznámky:

*

Poznámky:



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