SOLID END MILLS



SOLID END MILLS

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➤ Corner Radius



➤ Wave Cutting Edge



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MAXI-RUSH Line



Tool Selection Guide

MAXIRUSH

Modular solid carbide end mill heads

Series	MXEE-03	MXEE(D)-04	MXEE-03	MXEE-I04	MXEE-R	MXEE-C04
						
Type	Flat	Radius	Radius	Chamfer/Radius	Chamfer	Chamfer
Flute	3	4	3	4	4-6	4
Grades	TT5523	TT5523	TT5523	TT5523	TT5523	TT5523
Material	P M K N S H ● ○ ● ○	P M K N S H ● ○ ● ○	P M K N S H ● ○ ● ○	P M K N S H ● ○ ● ○	P M K N S H ● ○ ● ○	P M K N S H ● ○ ● ○
Diameter Range (mm)	Ø8 - Ø12	Ø6 - Ø20	Ø7.7 - Ø19.7	Ø8 - Ø25	Ø8 - Ø25	Ø8 - Ø25
Pages	F10	F11	F12	F12	F13	F13

Series	MXEE-A02	MXEE-A03	MXEE(D)-06	MXED-08/10	MXRB-02	MXRD-06
						
Type	Radius	Radius	Radius	Radius	Radius	Radius
Flute	2	3	6	8,10	2	6
Grades	UF10	UF10	TT5523	TT5523	TT5523	TT5523
Material	P M K N S H ●	P M K N S H ●	P M K N S H ○ ○ ● ●	P M K N S H ○ ○ ● ●	P M K N S H ● ○ ● ○	P M K N S H ○ ● ●
Diameter range (mm)	Ø10 - Ø12	Ø8 - Ø20	Ø8 - Ø12	Ø16 - Ø25	Ø20	Ø8 - Ø16
Pages	F14	F14	F15	F15	F16	F16

● Recommended, ○ Suitable

Tool Selection Guide

MAXIRUSH

Modular solid carbide end mill heads

Series	MXFX-02	MXBD-BG-02	MXBD(E)-BG-04	MXBB-SG-02	MXBE-BGA02	MXCP-02
						
Type	Ball	Ball	Ball	Ball (Spherical)	Ball	Chamfer
Flute	2	2	4	2	2	2
Grades	TT5523	TT5523	TT5523	TT5523	UF10	TT5523
Material	P M K N S H ● ○ ● ○	P M K N S H ● ○ ● ○	P M K N S H ● ○ ● ○	P M K N S H ● ○ ● ○	P M K N S H ●	P M K N S H ● ○ ● ○
Diameter range (mm)	Ø10 - Ø16	Ø8 - Ø16	Ø6 - Ø25	Ø12	Ø8 - Ø20	Ø8 - Ø16.5
Pages	F17	F17	F18	F18	F19	F19

Series	MXDP-02	MXGC-02	MXCA-04/06	MXCW-02	MXCR-02	
						
Type	Center drill	Counter Boring	Chamfer	Chamfer	Concave	
Flute	2	2	4,6	2	2	
Grades	TT5523	TT5523	TT5523	TT5523	TT5523	
Material	P M K N S H ● ○ ● ○	P M K N S H ● ○ ● ○	P M K N S H ● ○ ● ○	P M K N S H ● ○ ● ○	P M K N S H ● ○ ● ○	
Diameter range (mm)	Ø3.28 - Ø6.46	Ø8 - Ø16	Ø10 - Ø20	Ø11.8	Ø8 - Ø20	
Pages	F20	F20	F21	F21	F22	

● Recommended, ○ Suitable

Tool Selection Guide

MAXIRUSH

Modular solid carbide slotting heads

Series	TST-3	TST-4/6	TST-A45	TTB-C15	TTB-06	
						
Type	Slot	Slot	Slot Chamfer	Slot	Slot	
Flute	3	4,6	3,4	6	6	
Grades	TT5543	TT5543	TT5543	TT5543	TT5543	
Material	P M K N S H ● ● ○ ○	P M K N S H ● ○ ● ○	P M K N S H ● ○ ● ○	P M K N S H ● ○ ● ○	P M K N S H ● ○ ● ○	
Diameter range (mm)	Ø15.7 - Ø17.7	Ø21.7 - Ø27.7	Ø17.7 - Ø21.7	Ø13.5	Ø13.5 - Ø25	
Width of cut (mm)	1.5-3.17	0.76-10.0	3.4-5.5	2	3-8	
Pages	F23	F24	F25	F25	F26	

● Recommended, ○ Suitable

Holders for MAXI-RUSH head

Series	MXSSD	MXSSD-W-A	MXTSD	MXTSD-W-A	MXSC	MXSTD
						
Shank Type	Straight & neck	Straight & neck	Straight & taper	Straight & taper	Straight & taper	Straight
Shank material	Steel/Carbide	Tungsten	Steel/Carbide	Steel/Carbide	Tungsten	Carbide
Internal coolant	X	●	X	X	●	●
Connection size	S05 - S15	S06 - S12	S05 - S15	S05 - S15	S06	S06 - S08
Shank range (mm)	Ø8 - Ø25	Ø10 - Ø20	Ø12 - Ø32	Ø12 - Ø32	Ø12 - Ø16	Ø10 - Ø12
Pages	F27	F28	F29	F30	F30	F31

Adaptor for MAXI-RUSH head

Series	MXAD-M 	MXER 				
Shank Type	Adapter	Adapter				
Shank material	Steel	Steel				
Internal coolant	X	X				
Connection size	S08/M8 - M12	S06 - S12				
Shank range (mm)	-	-				
Pages	F31	F32				

Grades

MAXI-RUSH grades

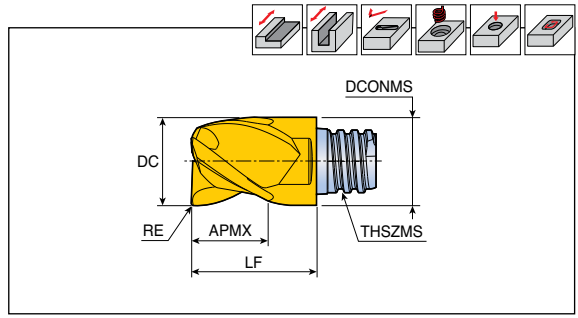
Grades	ISO	Characteristics & applications
TT5523 PVD coated	P20 – P40 M20 – M40 S20 – S40	• High speed milling of steel, stainless steed and high-temp alloy
TT5543 PVD coated	P30 – P50 M30 – M50 S30 – S50	• Interrupted and rough machining of steel, stainless steel and high-temp alloy
UF10 Uncoated	P25 – P35 M25 – M35 N25 – N35	• General machining of steel, aluminum alloys, non-ferrous materials • Submicron substrate

MXEE-03

MAXIRUSH

3 flute, for general purpose







Designation		Feed (mm/tooth)	Dimension (mm)						Grade
			DC	RE	APMX	THSZMS	DCONMS	LF	TT5523
MXEE	080L05R00-03S05	0.030-0.080	8	-	5	S05	7.7	10	●
	100L07R00-03S06	0.035-0.090	10	-	7	S06	9.7	13	●
	120L09R00-03S08	0.035-0.110	12	-	9	S08	11.7	16.5	●

●: Standard items

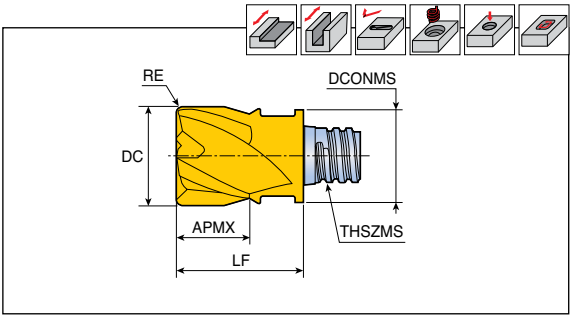
ADVANCE MACHINING
TaeguTec Industry 4.0

MXEE(D)-04

MAXIRUSH

4 flute, for general purpose





4 | H·A 30° | H·A 45° | Cutting Condition F129

Designation	Feed (mm/tooth)	Dimension (mm)							Grade
		DC	RE	FHA	APMX	THSZMS	DCONMS	LF	TT5523
MXEE 060L05R00-04S05	0.025-0.060	6	-	45	5	S05	8.0	10	●
MXEE 080L05R00-04S05	0.030-0.080	8	-	45	5	S05	7.7	10	●
MXED 080L05R05-04S05	0.030-0.080	8	0.5	30	5	S05	7.7	10	●
MXED 080L05R10-04S05	0.030-0.080	8	1.0	30	5	S05	7.7	10	●
MXED 080L05R15-04S05	0.030-0.080	8	1.5	30	5	S05	7.7	10	●
MXEE 100L07R00-04S06	0.035-0.090	10	-	45	7	S06	9.7	13	●
MXED 100L07R05-04S06	0.035-0.090	10	0.5	30	7	S06	9.7	13	●
MXEE 100L07R05-04S06	0.035-0.090	10	0.5	45	7	S06	9.7	13	●
MXED 100L07R10-04S06	0.035-0.090	10	1.0	30	7	S06	9.7	13	●
MXEE 100L07R10-04S06	0.035-0.090	10	1.0	45	7	S06	9.7	13	●
MXEE 120L09R00-04S08	0.035-0.110	12	-	45	9	S08	11.7	16.5	●
MXED 120L09R05-04S08	0.035-0.110	12	0.5	30	9	S08	11.7	16.5	●
MXEE 120L09R05-04S08	0.035-0.110	12	0.5	45	9	S08	11.7	16.5	●
MXED 120L09R10-04S08	0.035-0.110	12	1.0	30	9	S08	11.7	16.5	●
MXEE 120L09R10-04S08	0.035-0.110	12	1.0	45	9	S08	11.7	16.5	●
MXEE 160L12R00-04S10	0.040-0.130	16	-	45	12	S10	15.3	20.5	●
MXED 160L12R05-04S10	0.040-0.130	16	0.5	30	12	S10	15.3	20.5	●
MXEE 160L12R05-04S10	0.040-0.130	16	0.5	45	12	S10	15.3	20.5	●
MXED 160L12R10-04S10	0.040-0.130	16	1.0	30	12	S10	15.3	20.5	●
MXEE 160L12R10-04S10	0.040-0.130	16	1.0	45	12	S10	15.3	20.5	●
MXED 160L12R15-04S10	0.040-0.130	16	1.5	30	12	S10	15.3	20.5	●
MXEE 160L12R15-04S10	0.040-0.130	16	1.5	45	12	S10	15.3	20.5	●
MXED 160L12R20-04S10	0.040-0.130	16	2.0	30	12	S10	15.3	20.5	●
MXEE 160L12R20-04S10	0.040-0.130	16	2.0	45	12	S10	15.3	20.5	●
MXEE 160L12R30-04S10	0.040-0.130	16	3.0	45	12	S10	15.3	20.5	●
MXEE 160L12R40-04S10	0.040-0.130	16	4.0	45	12	S10	15.3	20.5	●
MXEE 200L15R00-04S12	0.050-0.150	20	-	45	15	S12	18.3	25.5	●
MXED 200L15R05-04S12	0.050-0.150	20	0.5	30	15	S12	18.3	25.5	●
MXED 200L15R10-04S12	0.050-0.150	20	1.0	30	15	S12	18.3	25.5	●
MXED 200L15R20-04S12	0.050-0.150	20	2.0	30	15	S12	18.3	25.5	●
MXED 200L15R30-04S12	0.050-0.150	20	3.0	30	15	S12	18.3	25.5	●

• FHA: Flute helix angle

●: Standard items

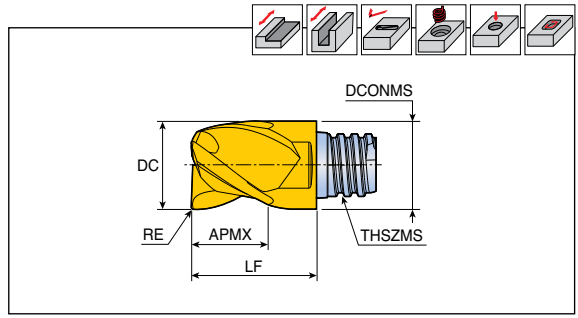
MXEE-03

MAXIRUSH

3 flute, for roughing of keyways







Designation		Feed (mm/tooth)	Dimension (mm)						Grade
			DC	RE	APMX	THSZMS	DCONMS	LF	TT5523
MXEE	077L04R02-03S05	0.030-0.080	7.7	0.2	4	S05	7.7	10	●
	097L05R03-03S06	0.035-0.090	9.7	0.3	5	S06	9.7	13	●
	117L07R03-03S08	0.035-0.110	11.7	0.3	7	S08	11.7	16.5	●
	157L08R03-03S10	0.040-0.130	15.7	0.3	8	S10	15.3	20.5	●
	197L12R04-03S12	0.050-0.150	19.7	0.4	12	S12	18.3	25.5	●

●: Standard items

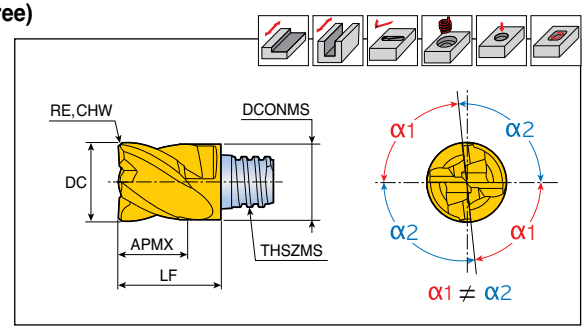
MXEE-I04

MAXIRUSH

4 flute, irregular-pitch flutes (vibration free)







Designation		Feed (mm/tooth)	Dimension (mm)							Grade
			DC	RE	CHW	APMX	THSZMS	DCONMS	LF	TT5523
MXEE	080L05C30I04S05	0.030-0.080	8	-	0.3	5	S05	7.7	10	●
	100L07C40I04S06	0.035-0.090	10	-	0.4	7	S06	9.7	13	●
	120L09C50I04S08	0.035-0.110	12	-	0.5	9	S08	11.7	16.5	●
	160L12C60I04S10	0.040-0.130	16	-	0.6	12	S10	15.3	20.5	●
	200L15C60I04S12	0.050-0.150	20	-	0.6	15	S12	18.3	25.5	●
	250L22C60I04S15	0.060-0.170	25	-	0.6	22	S15	23.9	37	●
	250L22R00I04S15	0.060-0.170	25	-	-	22	S15	23.9	37	●
	250L22R05I04S15	0.060-0.170	25	0.5	-	22	S15	23.9	37	●
	250L22R10I04S15	0.060-0.170	25	1.0	-	22	S15	23.9	37	●
	250L22R20I04S15	0.060-0.170	25	2.0	-	22	S15	23.9	37	●
	250L22R30I04S15	0.060-0.170	25	3.0	-	22	S15	23.9	37	●

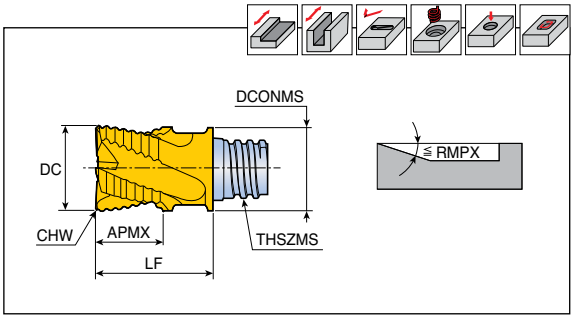
●: Standard items

MXEE-R

MAXIRUSH

4-6 flute, for roughing





4-6 | H·A 45° | Cutting Condition F129

Designation		Feed (mm/tooth)	Dimension (mm)								Grade
			DC	NOF	APMX	CHW	THSZMS	DCONMS	LF	RMPX	TT5523
MXEE	080L05C25R04S05	0.030-0.080	8	4	5	0.25	S05	7.7	10	90	●
	100L07C30R04S06	0.035-0.090	10	4	7	0.30	S06	9.7	13	90	●
	120L09C35R04S08	0.035-0.110	12	4	9	0.35	S08	11.7	16.5	90	●
	160L12C40R05S10	0.040-0.130	16	5	12	0.40	S10	15.3	20.5	7	●
	200L15C40R06S12	0.050-0.150	20	6	15	0.40	S12	18.3	25.5	3	●
	250L22C50R06S15	0.060-0.170	25	6	22	0.50	S15	23.9	37	3	●

• NOF: Number of flutes
• RMPX: Ramping angle maximum

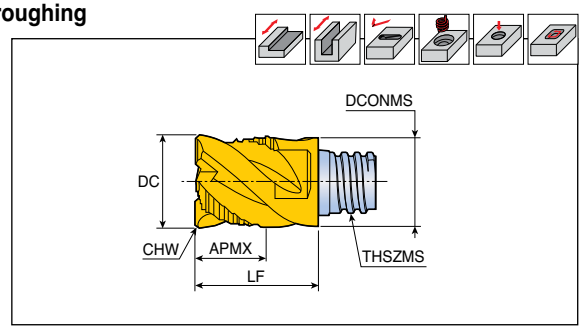
●: Standard items

MXEE-C04

MAXIRUSH

4 flute, combined edges for finishing & roughing





4 | H·A 45° | Cutting Condition F129

Designation		Feed (mm/tooth)	Dimension (mm)						Grade
			DC	APMX	CHW	THSZMS	DCONMS	LF	TT5523
MXEE	080L05C30C04S05	0.030-0.080	8	5	0.3	S05	7.7	10	●
	100L07C30C04S06	0.035-0.090	10	7	0.3	S06	9.7	13	●
	120L09C40C04S08	0.035-0.110	12	9	0.4	S08	11.7	16.5	●
	160L12C60C04S10	0.040-0.130	16	12	0.6	S10	15.3	20.5	●
	200L15C60C04S12	0.050-0.150	20	15	0.6	S12	18.3	25.5	●
	250L22C60C04S15	0.060-0.170	25	22	0.6	S15	23.9	37	●

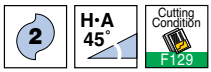
●: Standard items

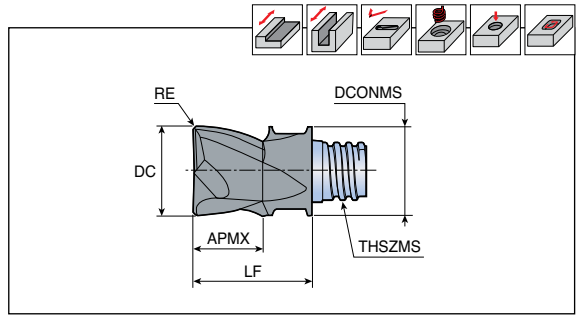
MXEE-A02

MAXIRUSH

2 flute, for aluminum machining







Designation		Feed (mm/tooth)	Dimension (mm)						Grade
			DC	RE	APMX	THSZMS	DCONMS	LF	UF10
MXEE	**100L07R05A02S06**	0.035-0.090	10	0.5	7	S06	9.7	13	●
	100L07R10A02S06	0.035-0.090	10	1.0	7	S06	9.7	13	●
	120L09R05A02S08	0.035-0.110	12	0.5	9	S08	11.7	16.5	●

●: Standard items

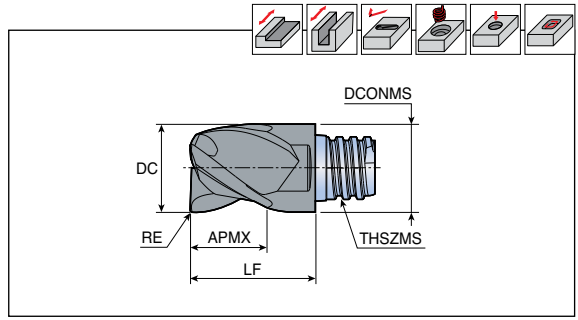
MXEE-A03

MAXIRUSH

3 flute, for aluminum machining







Designation		Feed (mm/tooth)	Dimension (mm)						Grade
			DC	RE	APMX	THSZMS	DCONMS	LF	UF10
MXEE	**080L05R05A03S05**	0.030-0.080	8	0.5	5	S05	7.7	10	●
	100L06R05A03S06	0.035-0.090	10	0.5	6	S06	9.7	13	●
	100L06R10A03S06	0.035-0.090	10	1.0	6	S06	9.7	13	●
	120L08R05A03S08	0.035-0.110	12	0.5	8	S08	11.7	16.5	●
	120L08R10A03S08	0.035-0.110	12	1.0	8	S08	11.7	16.5	●
	160L10R00A03S10	0.040-0.130	16	-	10	S10	15.3	20.5	●
	160L10R10A03S10	0.040-0.130	16	1.0	10	S10	15.3	20.5	●
	160L10R20A03S10	0.040-0.130	16	2.0	10	S10	15.3	20.5	●
	200L12R05A03S12	0.050-0.150	20	0.5	12	S12	18.3	25.5	●
	200L12R10A03S12	0.050-0.150	20	1.0	12	S12	18.3	25.5	●
	200L12R20A03S12	0.050-0.150	20	2.0	12	S12	18.3	25.5	●

●: Standard items

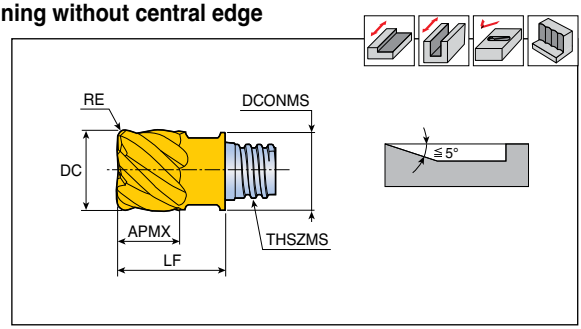
MXEE(D)-06

MAXIRUSH

6 flute, for difficult-to-cut material machining without central edge







Designation	Feed (mm/tooth)	Dimension (mm)							Grade
		DC	RE	FHA	APMX	THSZMS	DCONMS	LF	TT5523
MXEE 080L05R05-06S05	0.030-0.080	8	0.5	45	5	S05	7.7	10	●
MXEE 080L05R10-06S05	0.030-0.080	8	1.0	45	5	S05	7.7	10	●
MXED 100L07R05-06S06	0.035-0.090	10	0.5	30	7	S06	9.7	13	●
MXED 100L07R10-06S06	0.035-0.090	10	1.0	30	7	S06	9.7	13	●
MXEE 100L07R05-06S06	0.035-0.090	10	0.5	45	7	S06	9.7	13	●
MXEE 100L07R10-06S06	0.035-0.090	10	1.0	45	7	S06	9.7	13	●
MXEE 100L07R15-06S06	0.035-0.090	10	1.5	45	7	S06	9.7	13	●
MXED 120L09R05-06S08	0.035-0.110	12	0.5	30	9	S08	11.7	16.5	●
MXEE 120L09R00-06S08	0.035-0.110	12	-	45	9	S08	11.7	16.5	●
MXEE 120L09R10-06S08	0.035-0.110	12	1.0	45	9	S08	11.7	16.5	●
MXEE 120L09R15-06S08	0.035-0.110	12	1.5	45	9	S08	11.7	16.5	●

• FHA : Flute Helix Angle

●: Standard items

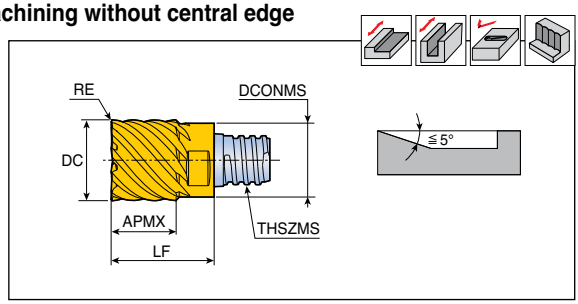
MXED-08/10

MAXIRUSH

8, 10 flute, for difficult-to-cut material machining without central edge







Designation	Feed (mm/tooth)	Dimension (mm)							Grade
		DC	NOF	RE	APMX	THSZMS	DCONMS	LF	TT5523
MXED 160L12R05-08S10	0.040-0.130	16	8	0.5	12	S10	15.3	20.5	●
160L12R10-08S10	0.040-0.130	16	8	1.0	12	S10	15.3	20.5	●
160L12R20-08S10	0.040-0.130	16	8	2.0	12	S10	15.3	20.5	●
200L15R10-10S12	0.050-0.150	20	10	1.0	15	S12	18.3	25.5	●
200L15R20-10S12	0.050-0.150	20	10	2.0	15	S12	18.3	25.5	●
250L22R10-10S15	0.060-0.170	25	10	1.0	22	S15	23.9	37	●
250L22R20-10S15	0.060-0.170	25	10	2.0	22	S15	23.9	37	●

• NOF: Number of flutes

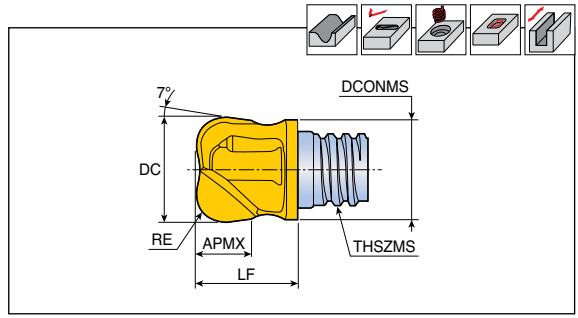
●: Standard items

MXRB-02

MAXIRUSH

2 flute, 7° relief angle pressed flute





2 | Cutting Condition F129

Designation		Feed (mm/tooth)	Dimension (mm)						Grade
			DC	RE	APMX	THSZMS	DCONMS	LF	TT5523
MXRB	**200L11R50-02S12**	0.05-0.150	20	5	11.3	S12	18.3	17.3	●

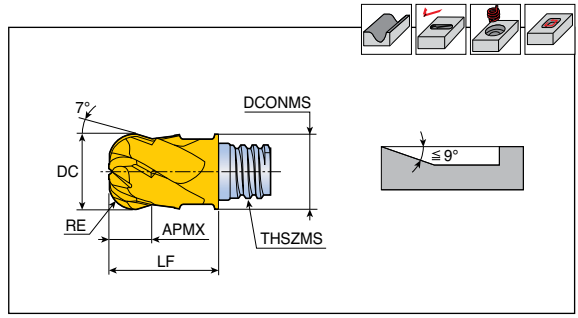
●: Standard items

MXRD-06

MAXIRUSH

6 flute, 7° back taper sided ground flute





6 | H·A 30° | Cutting Condition F129

Designation		Feed (mm/tooth)	Dimension (mm)						Grade
			DC	RE	APMX	THSZMS	DCONMS	LF	TT5523
MXRD	**080L04R20-06S05**	0.030-0.080	8	2	4	S05	7.7	10	●
	100L05R30-06S06	0.035-0.090	10	3	5	S06	9.7	13	●
	120L07R40-06S08	0.035-0.110	12	4	7	S08	11.7	16.5	●
	160L09R50-06S10	0.040-0.130	16	5	9	S10	15.3	20.5	●

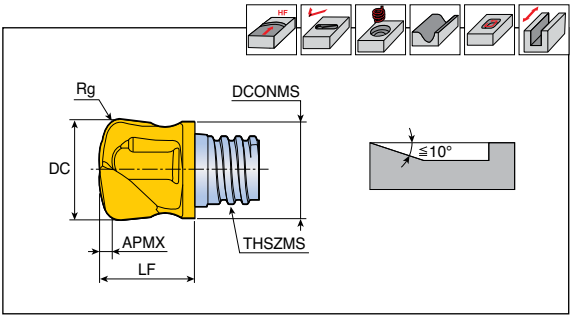
●: Standard items

MXFX-02

MAXIRUSH

2 flute, for high feed milling





Designation		Feed (mm/tooth)	Dimension (mm)						Grade
			DC	Rg	APMX	THSZMS	DCONMS	LF	TT5523
MXFX	**100L0.6R20-02S06**	0.035-0.090	10	2.0	0.6	S06	9.6	12.5	●
	120L01R25-02S08	0.035-0.110	12	2.5	1.0	S08	11.5	11.1	●
	160L1.1R30-02S10	0.040-0.130	16	3.0	1.1	S10	15.2	20	●

• Rg: Radius for programmers

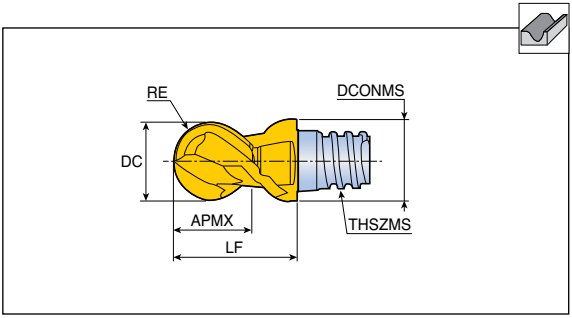
●: Standard items

MXBD-BG-02

MAXIRUSH

2 flute, for high precision machining





Designation		Feed (mm/tooth)	Dimension (mm)						Grade
			DC	RE	APMX	THSZMS	DCONMS	LF	TT5523
MXBD	**080L05-BG-02S05**	0.030-0.080	8	3.982(1)	5	S05	7.7	10	●
	100L07-BG-02S06	0.035-0.090	10	4.982(1)	7	S06	9.7	13	●
	120L09-BG-02S08	0.035-0.110	12	5.978(2)	9	S08	11.7	16.5	●
	160L09-BG-02S10	0.040-0.130	16	7.978(2)	9	S10	15.3	20.5	●

• RE Tolerence: (1) ± 0.01, (2) ± 0.012

●: Standard items

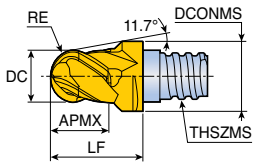
TaeguTec

MXBD(E)-BG-04

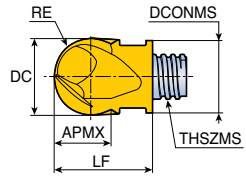
MAXIRUSH

4 flute, for high precision machining





MXBE



MXBD

4 | H·A 30° | H·A 38° | Cutting Condition F129

Designation		Feed (mm/tooth)	Dimension (mm)							Grade
			DC	RE	FHA	APMX	THSZMS	DCONMS	LF	TT5523
MXBE	**060L05-BG-04S05**	0.025-0.060	6	2.987(1)	38	5.5	S05	8.0	10	●
MXBD	**080L05-BG-04S05**	0.030-0.080	8	3.982(1)	30	5	S05	7.7	10	●
	100L07-BG-04S06	0.035-0.090	10	4.982(1)	30	7	S06	9.7	13	●
	120L09-BG-04S08	0.035-0.110	12	5.978(2)	30	9	S08	11.7	16.5	●
	160L12-BG-04S10	0.040-0.130	16	7.978(2)	30	12	S10	15.3	20.5	●
	200L15-BG-04S12	0.050-0.150	20	9.972(2)	30	15	S12	18.3	25.5	●
	250L22-BG-04S15	0.060-0.170	25	12.470(3)	30	22	S15	23.9	37	●

• RE Tolerence: (1) ± 0.01, (2)± 0.012, (3)± 0.02

●: Standard items

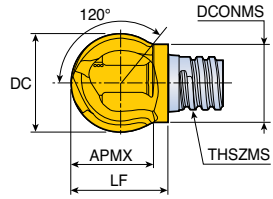
• FHA: Flute helix angle

MXBB-SG-02

MAXIRUSH

2 flute, spherical designed edge





2 | Cutting Condition F129

Designation		Feed (mm/tooth)	Dimension (mm)					Grade
			DC	APMX	THSZMS	DCONMS	LF	TT5523
MXBB	**120L09-SG-02S06**	0.035-0.110	12	9.0	S06	9.5	11.6	●

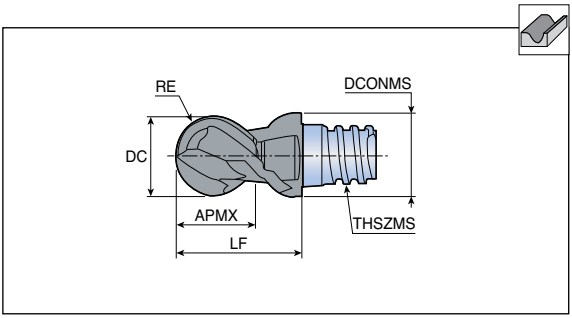
●: Standard items

MXBE-BGA02

MAXIRUSH

2 flute, for aluminum machining





Designation		Feed (mm/tooth)	Dimension (mm)						Grade
			DC	RE	APMX	THSZMS	DCONMS	LF	UF10
MXBE	**080L05-BGA02S05**	0.030-0.080	8	3.982(1)	5	S05	7.7	10	●
	100L07-BGA02S06	0.035-0.090	10	4.982(1)	7	S06	9.7	13	●
	120L09-BGA02S08	0.035-0.110	12	5.987(2)	9	S08	11.7	16.5	●
	160L12-BGA02S10	0.040-0.130	16	7.978(2)	12	S10	15.3	20.5	●
	200L15-BGA02S12	0.050-0.150	20	9.972(2)	15	S12	18.3	25.5	●

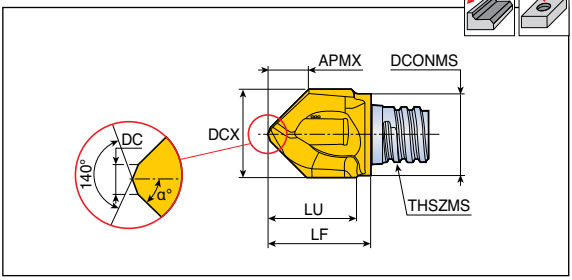
• RE Tolerence: (1) ± 0.01, (2)± 0.012 ●: Standard items

MXCP-02

MAXIRUSH

2 flute, for spot drilling, chamfering and countersinking





Designation		Feed (mm/tooth)	Dimension (mm)								Grade
			DCX	DC	APMX	THSZMS	DCONMS	LU	LF	α°	TT5523
MXCP	**100L09A30-02S06**	0.035-0.090	10	1.5	7.5	S06	9.5	8.5	11.75	30	●
	120L12A30-02S08	0.035-0.110	12	1.5	9.2	S08	11.5	11	15.4	30	●
	160L15A30-02S10	0.040-0.130	16	2.5	12	S10	15.2	16	20.2	30	●
	080L07A45-02S05	0.030-0.080	8	1.0	3.7	S05	7.6	7.5	9.75	45	●
	083L07A45-02S05	0.030-0.080	8.3	1.0	3.8	S05	7.6	7.5	10	45	●
	100L09A45-02S06	0.035-0.090	10	1.5	4.4	S06	9.5	9.5	11.75	45	●
	104L09A45-02S06	0.035-0.090	10.4	1.5	4.6	S06	9.5	9.5	11.75	45	●
	120L12A45-02S08	0.035-0.110	12	1.5	5.4	S08	11.5	11.5	15.4	45	●
	124L12A45-02S08	0.035-0.110	12.4	1.5	5.6	S08	11.5	11.5	15.4	45	●
	160L15A45-02S10	0.040-0.130	16	1.5	7.1	S10	15.2	15	18.8	45	●
	165L15A45-02S10	0.040-0.130	16.5	1.5	7.1	S10	15.2	15	18.8	45	●
	100L09A60-02S06	0.035-0.090	10	1.5	2.7	S06	9.5	9.5	12.7	60	●
	120L12A60-02S08	0.035-0.110	12	1.5	3.3	S08	11.5	11.5	15.2	60	●
	160L15A60-02S10	0.040-0.130	16	1.5	4.4	S10	15.2	16	19.9	60	●

●: Standard items

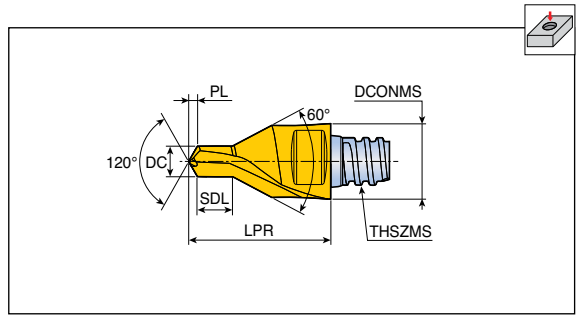
TaeguTec

MXDP-02

MAXIRUSH

2 flute, for center drilling





2 | Cutting Condition F129

Designation	Feed (mm/tooth)	Dimension (mm)						Grade
		DC	PL	SDL	THSZMS	DCONMS	LPR	TT5523
MXDP 328L04A30-02S05	0.04-0.08	3.28	0.85	3.75	S05	8	15	●
412L05A30-02S06	0.05-0.10	4.12	1.07	4.83	S06	10	19	●
513L07A30-02S08	0.05-0.12	5.13	1.32	5.88	S08	12	23	●
646L08A30-02S10	0.06-0.15	6.46	1.65	7.25	S10	16	28	●

• SDL: Step diameter length

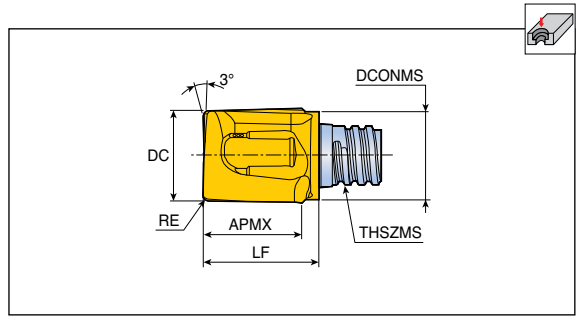
●: Standard items

MXGC-02

MAXIRUSH

2 flute, for counter boring





2 | H·A 10° | Cutting Condition F129

Designation	Feed (mm/tooth)	Dimension (mm)						Grade
		DC	RE	APMX	THSZMS	DCONMS	LF	TT5523
MXGC 080L08R04-02S05	0.030-0.080	8	0.4	7.7	S05	7.6	10	●
080L08R10-02S05	0.030-0.080	8	1.0	7.7	S05	7.6	10	●
100L09R04-02S06	0.035-0.090	10	0.4	9.0	S06	9.5	12.4	●
100L09R20-02S06	0.035-0.090	10	2.0	9.0	S06	9.5	12.4	●
120L10R04-02S08	0.035-0.110	12	0.4	10	S08	11.5	14.2	●
120L10R10-02S08	0.035-0.110	12	1.0	10	S08	11.5	14.2	●
120L10R20-02S08	0.035-0.110	12	2.0	10	S08	11.5	14.2	●
160L15R04-02S10	0.040-0.130	16	0.4	14.9	S10	15.2	19	●

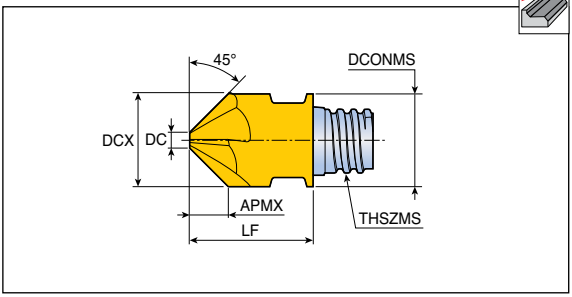
●: Standard items

MXCA-04/06

MAXIRUSH

4, 6 flute, chamfering and countersinking (without center edge)





4,6

Cutting Condition F129

Designation		Feed (mm/tooth)	Dimension (mm)							Grade
			DCX	DC	NOF	APMX	THSZMS	DCONMS	LF	TT5523
MXCA	**100L04A45-04S06**	0.035-0.090	10	1.95	4	4.0	S06	10	13	●
	120L05A45-04S08	0.035-0.110	12	1.95	4	5.0	S08	12	16.5	●
	127L05A45-04S08	0.035-0.110	12.7	1.98	4	5.3	S08	12.7	16.5	●
	160L06A45-06S10	0.040-0.130	16	3.0	6	6.5	S10	16	20.3	●
	200L07A45-06S12	0.050-0.150	20	5.0	6	7.5	S12	20	25.5	●

• NOF: Number of flutes

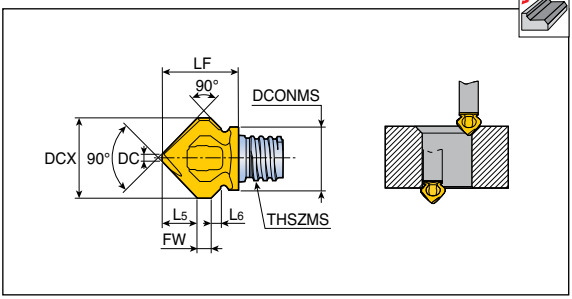
●: Standard items

MXCW-02

MAXIRUSH

2 flute, for double chamfering





2

Cutting Condition F129

Designation		Feed (mm/tooth)	Dimension (mm)							Grade
			DCX	DC	L5	L6	FW	THSZMS	DCONMS	LF	TT5523
MXCW	**118L05A45-02S06**	0.035-0.110	11.8	1.2	5	1.2	2	S06	9.3	11.2	●

●: Standard items

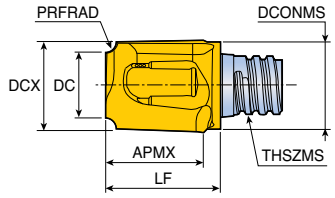
TaeguTec

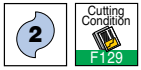
MXCR-02

MAXIRUSH

2 flute, for concave radius milling







Designation		Feed (mm/tooth)	Dimension (mm)							Grade
			DCX	DC	PRFRAD	APMX	THSZMS	DCONMS	LF	TT5523
MXCR	**080L07R10-02S05**	0.030-0.080	8	5.8	1.0	7.5	S05	7.6	10.5	●
	100L09R16-02S06	0.035-0.090	10	6.8	1.6	9.5	S06	9.5	12.5	●
	100L09R25-02S06	0.035-0.090	10	5.1	2.5	9.5	S06	9.5	12.5	●
	127L12R30-02S08	0.035-0.110	12.7	6.5	3.0	12	S08	12.2	15.6	●
	127L12R40-02S08	0.035-0.110	12.7	4.7	4.0	12	S08	12.2	15.6	●
	160L15R50-02S10	0.040-0.130	16	6.2	5.0	15	S10	15.2	19.1	●
	200L07R60-02S12	0.050-0.150	20	8	6.0	7	S12	18.3	17.4	●

• PRFRAD: Profile radius

●: Standard items

ADVANCE MACHINING
TaeguTec Industry 4.0

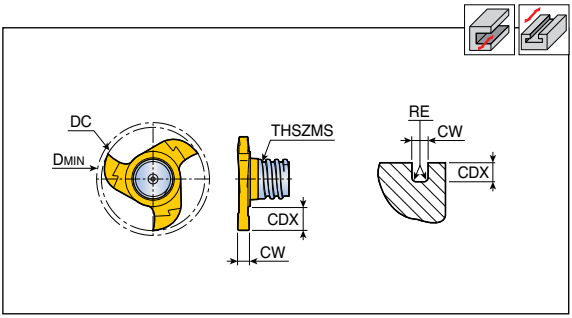
TST-3

MAXIRUSH

3 flute, for slotting







Designation		Feed (mm/tooth)	Dimension (mm)						Grade
			DC	CW	CDX	RE	THSZMS	DMIN	TT5543
TST	157W1.50R010-3S06	0.025-0.120	15.7	1.5	2.8	0.1	S06	16.0	●
	157W1.57R020-3S06	0.025-0.120	15.7	1.57	2.8	0.2	S06	16.0	●
	157W2.0R020-3S06	0.025-0.120	15.7	2.0	2.8	0.2	S06	16.0	●
	157W2.50R020-3S06	0.025-0.120	15.7	2.5	2.8	0.2	S06	16.0	●
	157W3.0R020-3S06	0.025-0.130	15.7	3.0	2.8	0.2	S06	16.0	●
	157W3.17R020-3S06	0.025-0.150	15.7	3.17	2.8	0.2	S06	16.0	●
	177W1.20R005-3S06	0.025-0.120	17.7	1.2(1)	3.8	0.05	S06	18.0	●
	177W1.40R005-3S06	0.025-0.120	17.7	1.4(1)	3.8	0.05	S06	18.0	●
	177W1.50R010-3S06	0.025-0.120	17.7	1.5	3.8	0.1	S06	18.0	●
	177W1.57R020-3S06	0.025-0.120	17.7	1.57	3.8	0.2	S06	18.0	●
	177W1.70R005-3S06	0.025-0.120	17.7	1.7(1)	3.8	0.05	S06	18.0	●
	177W2.0R020-3S06	0.025-0.120	17.7	2.0	3.8	0.2	S06	18.0	●
	177W2.20R110-3S06	0.025-0.120	17.7	2.2	3.8	1.1	S06	18.0	●
	177W2.50R020-3S06	0.025-0.120	17.7	2.5	3.8	0.2	S06	18.0	●
	177W3.0R020-3S06	0.025-0.130	17.7	3.0	3.8	0.2	S06	18.0	●
	177W3.17R020-3S06	0.025-0.150	17.7	3.17	3.8	0.2	S06	18.0	●

• (1) CW for circle clips according to DIN 471/472

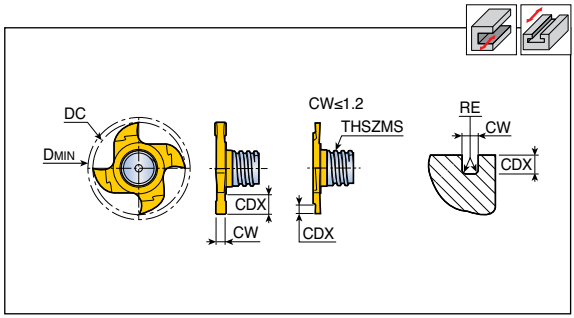
●: Standard items

TST-4/6

MAXIRUSH

4, 6 flute, for slotting





4,6

Cutting Condition F129

Designation		Feed (mm/tooth)	Dimension (mm)							Torx	Grade
			DC	NOF	CW	CDX	RE	THSZMS	DMIN		TT5543
TST	217W0.76R000-4S08	0.025-0.100	21.7	4	0.76(1)	1.5	-	S08	22.0	-	●
	217W0.96R000-4S08	0.025-0.100	21.7	4	0.96(1)	1.9	-	S08	22.0	-	●
	217W1.0R005-4S08	0.025-0.100	21.7	4	1.0	2	0.05	S08	22.0	-	●
	217W1.20R005-4S08	0.025-0.120	21.7	4	1.2(1)	4.5	0.05	S08	22.0	-	●
	217W1.40R005-4S08	0.025-0.120	21.7	4	1.4(1)	4.5	0.05	S08	22.0	-	●
	217W1.57R000-4S08	0.025-0.120	21.7	4	1.57	4.5	-	S08	22.0	-	●
	217W1.70R010-4S08	0.025-0.120	21.7	4	1.7(1)	4.5	0.1	S08	22.0	-	●
	217W1.95R020-4S08	0.025-0.120	21.7	4	1.95(1)	4.5	0.2	S08	22.0	-	●
	217W2.0R020-4S08	0.025-0.120	21.7	4	2.0	4.5	0.2	S08	22.0	-	●
	217W2.25R020-4S08	0.025-0.120	21.7	4	2.25(1)	4.5	0.2	S08	22.0	-	●
	217W2.39R020-4S08	0.025-0.120	21.7	4	2.39	4.5	0.2	S08	22.0	-	●
	217W2.50R020-4S08	0.025-0.120	21.7	4	2.5	4.5	0.2	S08	22.0	-	●
	217W2.75R020-4S08	0.025-0.130	21.7	4	2.75(1)	4.5	0.2	S08	22.0	-	●
	217W3.0R020-4S08	0.025-0.130	21.7	4	3.0	4.5	0.2	S08	22.0	-	●
	217W3.17R020-4S08	0.025-0.150	21.7	4	3.17	4.5	0.2	S08	22.0	-	●
	217W3.25R020-4S08	0.025-0.150	21.7	4	3.25(1)	4.5	0.2	S08	22.0	-	●
	217W4.0R020-4S08	0.025-0.150	21.7	4	4.0	4.5	0.2	S08	22.0	-	●
	217W4.25R020-4S08	0.025-0.150	21.7	4	4.25(1)	4.5	0.2	S08	22.0	-	●
	217W4.75R020-4S08	0.025-0.150	21.7	4	4.75	4.5	0.2	S08	22.0	-	●
	217W5.25R020-4S08	0.025-0.170	21.7	4	5.25(1)	4.5	0.2	S08	22.0	-	●
	277W2.50R020-6S10	0.025-0.120	27.7	6	2.5	6	0.2	S10	28.0	T40	●
	277W5.25R020-6S10	0.025-0.170	27.7	6	5.25	6	0.2	S10	28.0	T40	●
	277W10R020-6S10	0.025-0.170	27.7	6	10.0	6	0.2	S10	28.0	T40	●

- NOF: Number of flutes
- (1) CW for circle clips according to DIN 471/472

●: Standard items

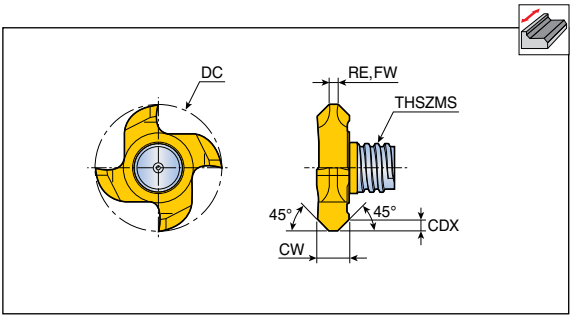
ADVANCE MACHINING TaeguTec Industry 4.0

TST-A45

MAXIRUSH

3, 4 flute, for chamfering





3,4

Cutting Condition F129

Designation		Feed (mm/tooth)	Dimension (mm)							Grade
			DC	NOF	CW	CDX	RE	FW	THSZMS	TT5543
TST	177L01.40A45-3S06	0.025-0.150	17.7	3	3.4	1.4	0.1	-	S06	●
	217L01.70A45-4S08	0.025-0.170	21.7	4	5.5	1.7	-	1.5	S08	●

• NOF: Number of flutes
• FW: Flat width

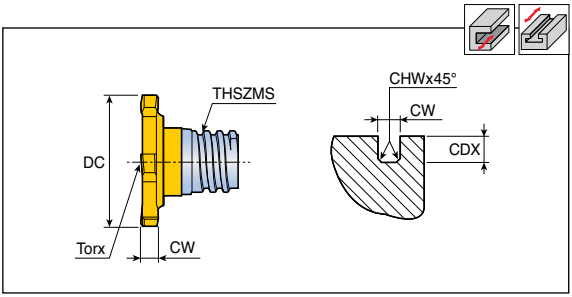
●: Standard items

TTB-C15

MAXIRUSH

6 flute, for chamfered slotting





6

Cutting Condition F129

Designation		Feed (mm/tooth)	Dimension (mm)					Torx	Grade
			DC	CW	CDX	CHW	THSZMS		TT5543
TTB	135W2.0C15-06S05	0.025-0.120	13.5	2	2.65	0.15	S05	T20	●

• CHW: Corner chamfer width

●: Standard items

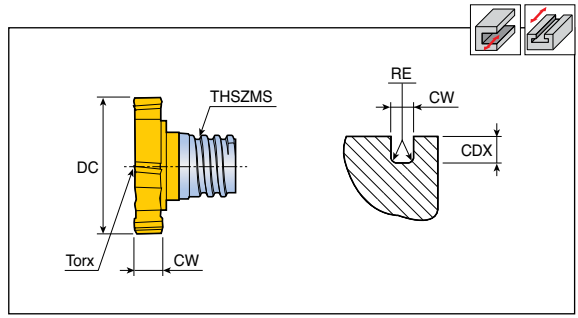
TaeguTec

TTB-06

MAXIRUSH

6 flute, for slotting





6

Cutting Condition F129

Designation	Feed (mm/tooth)	Dimension (mm)					Torx	Grade
		DC	CW	CDX	RE	THSZMS		TT5543
TTB 135W3.0R04-06S05	0.025-0.130	13.5	3	2.65	0.4	S05	T20	●
135W4.0R04-06S05	0.025-0.150	13.5	4	2.65	0.4	S05	T20	●
160W2.0R04-06S06	0.025-0.120	16	2	2.9	0.4	S06	T20	●
160W3.0R04-06S06	0.025-0.130	16	3	2.9	0.4	S06	T25	●
160W4.0R04-06S06	0.025-0.150	16	4	2.9	0.4	S06	T25	●
165W2.0R04-06S06	0.025-0.120	16.5	2	3.15	0.4	S06	T20	●
165W3.0R04-06S06	0.025-0.130	16.5	3	3.15	0.4	S06	T25	●
165W4.0R04-06S06	0.025-0.150	16.5	4	3.15	0.4	S06	T25	●
195W4.0R04-06S08	0.025-0.150	19.5	4	3.45	0.4	S08	T30	●
195W5.0R04-06S08	0.025-0.150	19.5	5	3.45	0.4	S08	T30	●
195W6.0R04-06S08	0.025-0.170	19.5	6	3.45	0.4	S08	T30	●
225W5.0R04-06S08	0.025-0.150	22.5	5	4.95	0.4	S08	T40	●
225W6.0R04-06S08	0.025-0.170	22.5	6	4.95	0.4	S08	T40	●
225W8.0R04-06S08	0.025-0.170	22.5	8	4.95	0.4	S08	T40	●
250W6.0R04-06S08	0.025-0.170	25	6	5.9	0.4	S08	T50	●
250W8.0R04-06S08	0.025-0.170	25	8	5.9	0.4	S08	T50	●
250W5.0R04-06S10	0.025-0.150	25	5	4.3	0.4	S10	T50	●
250W6.0R04-06S10	0.025-0.170	25	6	4.3	0.4	S10	T50	●
250W8.0R04-06S10	0.025-0.170	25	8	4.3	0.4	S10	T50	●

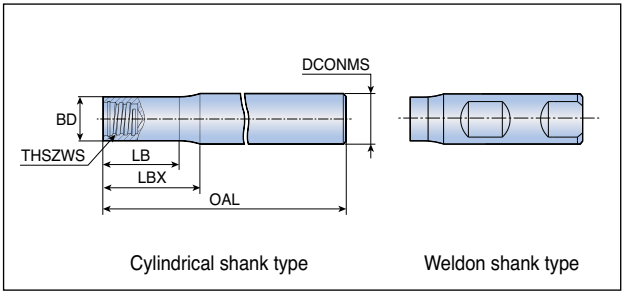
●: Standard items

MXSSD

MAXIRUSH

Straight shank and neck





F10-26

Designation	Dimension (mm)						Shank type	Shank material
	THSZWS	DCONMS	BD	OAL	LB	LBX		
MXSSD 08L060S05-S	S05	8	7.6	60	12.8	15	Cylindrical	Steel
08L070S05-C	S05	8	7.6	70	19	20	Cylindrical	Carbide
08L090S05-C	S05	8	7.6	90	39	40	Cylindrical	Carbide
08L110S05-C	S05	8	7.6	110	59	60	Cylindrical	Carbide
10L070S06-C	S06	10	9.6	70	18.5	20	Cylindrical	Carbide
10L075S06-S	S06	10	9.6	75	17.7	20	Cylindrical	Steel
10L090S06-C	S06	10	9.6	90	38.5	40	Cylindrical	Carbide
10L110S06-C	S06	10	9.6	110	58.5	60	Cylindrical	Carbide
10L150S06-C	S06	10	9.6	150	98.5	100	Cylindrical	Carbide
12L055W05-S	S05	12	7.6	55	-	3.8	Weldon	Steel
12L070S08-C	S08	12	11.5	70	17	20	Cylindrical	Carbide
12L090S08-C	S08	12	11.5	90	37	40	Cylindrical	Carbide
12L090S08-S	S08	12	11.5	90	13.6	16	Cylindrical	Steel
12L110S08-C	S08	12	11.5	110	57	60	Cylindrical	Carbide
12L130S08-C	S08	12	11.5	130	77	80	Cylindrical	Carbide
16L065W06-S	S06	16	9.6	65	-	6	Weldon	Steel
16L065W08-S	S08	16	11.5	65	-	4	Weldon	Steel
16L090S10-C	S10	16	15.2	90	38	40	Cylindrical	Carbide
16L100S10-S	S10	16	15.2	100	18	20	Cylindrical	Steel
16L110S10-C	S10	16	15.2	110	58	60	Cylindrical	Carbide
16L130S10-C	S10	16	15.2	130	78	80	Cylindrical	Carbide
16L150S10-C	S10	16	15.2	150	98	100	Cylindrical	Carbide
20L070W10-S	S10	20	15.2	70	-	4	Weldon	Steel
20L090S12-C	S12	20	18.3	90	37	40	Cylindrical	Carbide
20L120S12-S	S12	20	18.3	120	20.5	25	Cylindrical	Steel
20L130S12-C	S12	20	18.3	130	77	80	Cylindrical	Carbide
20L200S12-C	S12	20	18.3	200	117	120	Cylindrical	Carbide
25L075W12-S	S12	25	18.3	75	-	6	Weldon	Steel
25L120S15-C	S15	25	23.9	120	58	60	Cylindrical	Carbide
25L135S15-S	S15	25	23.9	135	33	35	Cylindrical	Steel
25L170S15-C	S15	25	23.9	170	98	100	Cylindrical	Carbide
25L250S15-C	S15	25	23.9	250	148	150	Cylindrical	Carbide

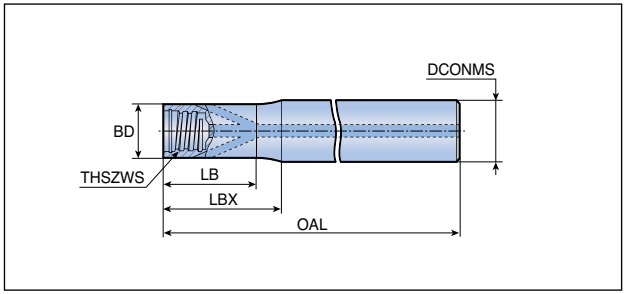
• THSZWS: Connection thread size

MXSSD-W-A

MAXIRUSH

Straight shank and neck with internal coolant hole





F10-26

Designation	Dimension (mm)						Shank material
	THSZWS	DCONMS	BD	OAL	LB	LBX	
MXSSD 10L070S06-W-A	S06	10	9.6	70	19	20	Tungsten
10L090S06-W-A	S06	10	9.6	90	39	40	Tungsten
10L110S06-W-A	S06	10	9.6	110	59	60	Tungsten
12L070S08-W-A	S08	12	11.5	70	19	20	Tungsten
12L090S08-W-A	S08	12	11.5	90	39	40	Tungsten
12L110S08-W-A	S08	12	11.5	110	59	60	Tungsten
12L130S08-W-A	S08	12	11.5	130	79	80	Tungsten
16L070S10-W-A	S10	16	15.2	70	18.5	20	Tungsten
16L090S10-W-A	S10	16	15.2	90	36.5	40	Tungsten
16L110S10-W-A	S10	16	15.2	110	58.5	60	Tungsten
16L130S10-W-A	S10	16	15.2	130	78.5	80	Tungsten
20L090S12-W-A	S12	20	18.3	90	37	40	Tungsten
20L130S12-W-A	S12	20	18.3	130	77	80	Tungsten

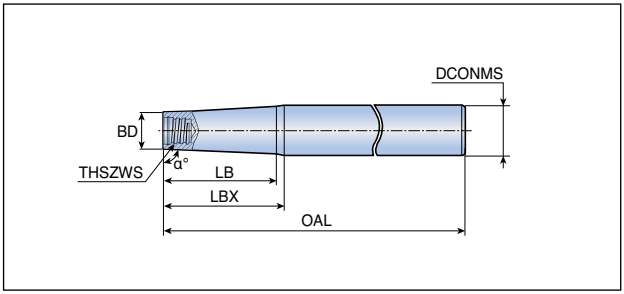
• THSZWS: Connection thread size

MXTSD

MAXIRUSH

Straight shank and taper neck





F10-26

Designation	Dimension (mm)							Shank material
	α°	THSZWS	DCONMS	BD	OAL	LB	LBX	
MXTSD 12L080S05-S	85	S05	12	7.6	80	-	25	Steel
12L100S05-S	89	S05	12	7.6	100	31.0	35	Steel
12L110S05-C	89	S05	12	7.6	110	58.0	60	Carbide
12L130S05-C	89	S05	12	7.6	130	79.0	80	Carbide
16L125S06-S	85	S06	16	9.6	125	31.6	34	Steel
16L130S08-C	89	S08	16	11.5	130	78.8	80	Carbide
16L140S08-S	85	S08	16	11.5	140	19.3	22	Steel
16L150S05-C	89	S05	16	7.6	150	96.0	100	Carbide
16L150S06-C	89	S06	16	9.6	150	98.0	100	Carbide
16L150S08-C	89	S08	16	11.5	150	-	100	Carbide
16L160S06-S	89	S06	16	9.6	160	45.9	55	Steel
16L170S06-C	89	S06	16	9.6	170	119.0	120	Carbide
20L140S10-S	85	S10	20	15.2	140	-	27.5	Steel
20L170S08-C	89	S08	20	11.5	170	117.0	120	Carbide
20L170S08-S	89	S08	20	11.5	170	68.6	80	Steel
20L170S10-C	89	S10	20	15.2	170	-	120	Carbide
20L190S10-C	89	S10	20	15.2	190	-	140	Carbide
20L190S10-S	89	S10	20	15.2	190	73.0	80	Steel
20L210S10-C	89	S10	20	15.2	210	-	160	Carbide
25L160S12-S	85	S12	25	18.3	160	-	40	Steel
25L170S10-S	85	S10	25	15.2	170	-	56	Steel
25L180S12-C	89	S12	25	18.3	180	-	120	Carbide
25L210S12-S	89	S12	25	18.3	210	91.0	100	Steel
25L250S12-C	89	S12	25	18.3	250	-	140	Carbide
32L155S15-S	85	S15	32	23.9	155	40.0	45	Steel
32L190S12-S	85	S12	32	18.3	190	-	80	Steel
32L220S15-S	85	S15	32	23.9	220	-	100	Steel
32L250S15-C	89	S15	32	23.9	250	-	150	Carbide
32L300S15-C	89	S15	32	23.9	300	-	200	Carbide

• THSZWS: Connection thread size

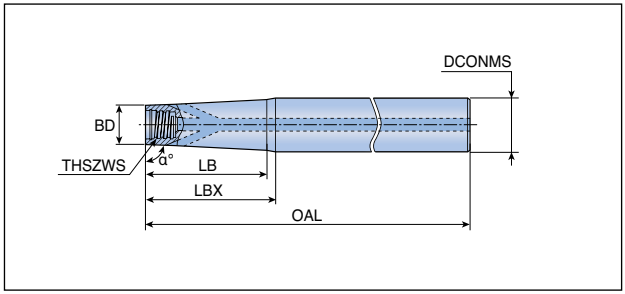
MXTSD-W-A

MAXIRUSH

Straight shank and taper neck with internal coolant hole



F10-26



Designation		Dimension (mm)							Shank material
		α°	THSZWS	DCONMS	BD	OAL	LB	LBX	
MXTSD	**12L110S06-W-A**	89	S06	12	9.6	110	59	60	Tungsten
	16L170S06-W-A	89	S06	16	9.6	170	116	120	Tungsten

• THSZWS: Connection thread size

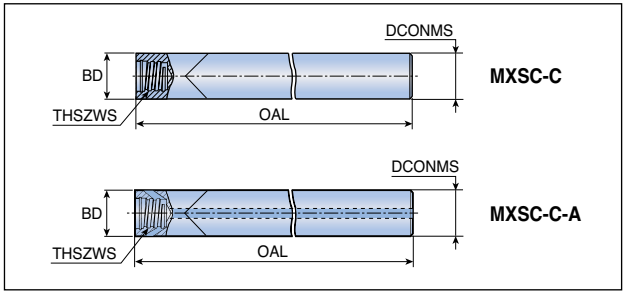
MXSC

MAXIRUSH

Straight carbide shanks for TST type slotting head



F23-25



Designation		Dimension (mm)				Coolant hole	Shank material
		THSZWS	DCONMS	BD	OAL		
MXSC	**100L100S06-C**	S06	10	10	100	X	Carbide
	120L100S08-C-A	S08	12	12	100	●	Carbide

• THSZWS: Connection thread size

Note:

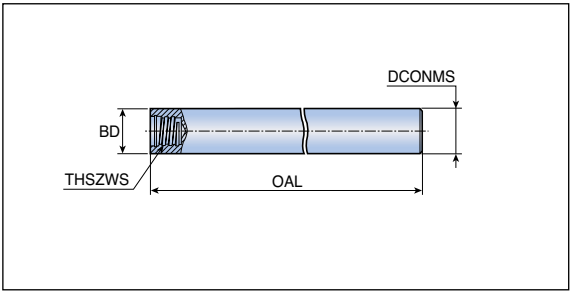
• For MXSC type shank, it is recommended to use the TST slotting head only. If other heads are used on the MXSC shank, the depth of cut must be smaller than the max. ap in each head. The MXSC type shank does not have external clearance, so the shank may interfere with the work piece.

MXSTD

MAXIRUSH

Straight shanks for TTB type slotting head





F25-26

Designation		Dimension (mm)				Shank material
		THSZWS	DCONMS	BD	OAL	
MXSTD	**08L070S05-S**	S05	8	8	70	Steel
	10L080S06-S	S06	10	10	80	Steel
	12L090S08-S	S08	12	12	90	Steel
	16L100S10-S	S10	16	16	100	Steel

• THSZWS: Connection thread size

Note:

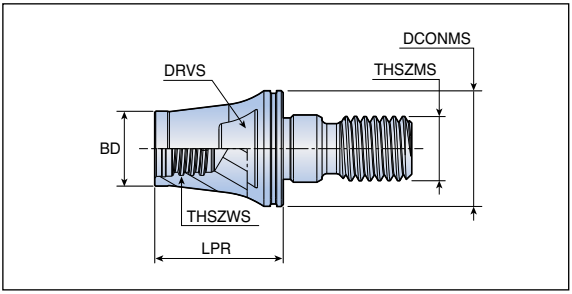
• For MXSTD type shank, it is recommended to use the TTB slotting head only. If other heads are used on the MXSTD shank, the depth of cut must be smaller than the max. ap in each head. The MXSTD type shank does not have external clearance, so the shank may interfere with the work piece.

MXAD-M

MAXIRUSH

Adapters for T-FLEXTEC





F10-26

Designation		Dimension (mm)						Shank material
		THSZWS	THSZMS	DCONMS	BD	LPR	DRVS	
MXAD	**130L016S08-S-M8**	S08	M8	13	11.7	16	11	Steel
	130L025S08-S-M8	S08	M8	13	11.7	25	11	Steel
	180L020S08-S-M10	S08	M10	18	11.7	20	13	Steel
	180L025S08-S-M10	S08	M10	18	11.7	25	11	Steel
	210L020S08-S-M12	S08	M12	21	11.7	20	12.75	Steel
	210L025S08-S-M12	S08	M12	21	11.7	25	12.75	Steel

• THSZWS: Connection thread size

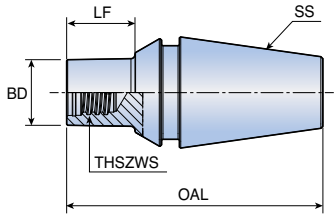
• DRVS: Clamping wrench size

MXER

MAXIRUSH

ER collet chucks conversion adaptor with MAXI-RUSH





F10-26

Designation		Dimension (mm)					Shank material
		SS	THSZWS	BD	LF	OAL	
MXER	**11CL006S05-S**	ER11	S05	7.92	6	24.0	Steel
	11CL020S05-S	ER11	S05	7.92	20	38.0	Steel
	16CL012S05-S	ER16	S05	7.92	12	39.5	Steel
	16CL020S05-S	ER16	S05	7.92	20	47.5	Steel
	16CL010S06-S	ER16	S06	9.92	10	37.5	Steel
	16CL020S06-S	ER16	S06	9.92	20	47.5	Steel
	16CL006S08-S	ER16	S08	11.6	6	33.5	Steel
	16CL020S08-S	ER16	S08	11.6	20	47.5	Steel

• THSZWS: Connection thread size

Solid End Mill Line



Tool Selection Guide

Solid end mill

Series	HARDMILL					
	HSB 2	HSB 2...S6	HSB 2...S/M	HSB 4...M	HSF 2	HSF 2...M
						
Type	Ball	Ball	Ball	Ball	Flat	Flat
Flute	2	2	2	4	2	2
Length	Long neck	Long neck	Short/Medium	Medium	Long neck	Medium
Grades	TT5505	TT5505	TT5505	TT5505	TT5505	TT5505
Application	* H.S.M	H.S.M	H.S.M	H.S.M	H.S.M	H.S.M
Material	P M K N S H: ○ ○ ●	P M K N S H: ○ ○ ●	P M K N S H: ○ ○ ●	P M K N S H: ○ ○ ●	P M K N S H: ○ ○ ●	P M K N S H: ○ ○ ●
Range	Ø0.3 - Ø12.0	Ø0.6 - Ø2.0	Ø0.3 - Ø12.0	Ø4.0 - Ø12.0	Ø0.3 - Ø12.0	Ø0.3 - Ø12.0
Pages	F44 - F47	F48	F49 - F50	F51	F52 - F55	F56 - F57

Series	HARDMILL					
	HSF 4	HSF 4...M	HSF 6...M	HSF 6...XLT	HSR 2	HSR 2...M
						
Type	Flat	Flat	Flat	Flat	Radius	Radius
Flute	4	4	6	6	2	2
Length	Long neck	Medium	Medium	Extra long	Long neck	Medium
Grades	TT5505	TT5505	TT5505	TT5505	TT5505	TT5505
Application	H.S.M	H.S.M	Finishing	Finishing	H.S.M	H.S.M
Material	P M K N S H: ○ ○ ●	P M K N S H: ○ ○ ●	P M K N S H: ○ ○ ●	P M K N S H: ○ ○ ●	P M K N S H: ○ ○ ●	P M K N S H: ○ ○ ●
Range	Ø1.0 - Ø12.0	Ø1.0 - Ø12.0	Ø3.0 - Ø12.0	Ø5.0 - Ø12.0	Ø0.3 - Ø12.0	Ø0.3 - Ø12.0
Pages	F58 - F59	F60	F61	F61	F62 - F68	F69- F71

• *H.S.M : High Speed Machining

● Recommended, ○ Suitable

ADVANCE MACHINING
TaeguTec Industry 4.0

Tool Selection Guide

Solid end mill

HARDMILL					APEXMILL	
HSR 4	**HSR 4...M**	**HSR 6**	**HSR 6...M**	**HSB 2CBN**	**SBE 2...S**	**SBE 2/SBE 2...T**
						
Radius	Radius	Radius	Radius	CBN Ball	Ball	Ball
4	4	6	6	2	2	2
Long neck	Medium	Long neck	Medium	Long neck	Short	Medium
TT5505	TT5505	TT5505	TT5505	TB7015	TT5515	UF10N, TT5515
* H.S.M	H.S.M	Finishing	Finishing	Finishing	General	General
P M K N S H	P M K N S H	P M K N S H	P M K N S H	P M K N S H	P M K N S H	P M K N S H
○ ○ ●	○ ○ ●	○ ○ ●	○ ○ ●	●	● ○ ● ○	● ○ ● ● ○
Ø1.0 - Ø12.0	Ø1.0 - Ø12.0	Ø6.0 - Ø12.0	Ø6.0 - Ø12.0	Ø0.4 - Ø4.0	Ø2.0 - Ø20.0	Ø1.0 - Ø20.0
F72 - F75	F76 - F77	F78	F78	F79	F80	F81 - F82

APEXMILL						
SBE 2...LT/L	**SBE 4/SBE 4...T**	**REB ...L**	**SBO 2...T**	**BES 2...T**	**BES 4...T**	**TSE 2...M**
						
Ball	Ball	Ball	Ball (Through coolant)	Ball (Spherical)	Ball (Spherical)	Flat
2	4	3-4	2	2	4	2
Long	Medium	Long	Medium	Medium	Medium	Medium
TT5515, UF10N	UF10N, TT5515	TT5515	TT5525	TT5515	TT5515	TT5515,TT5525,UF10
General	General	Roughing	General	General	General	General
P M K N S H	P M K N S H	P M K N S H	P M K N S H	P M K N S H	P M K N S H	P M K N S H
● ○ ● ● ○	● ○ ● ● ○	● ○ ○ ○ ●	● ○ ○ ○	● ○ ○ ○	● ○ ○ ○	● ○ ● ● ○
Ø2.0 - Ø16.0	Ø1.0 -Ø 20.0	Ø8.0 - Ø20.0	Ø6.0 - Ø14.0	Ø3.0 - Ø16.0	Ø3.0 - Ø16.0	Ø1.0 - Ø25.0
F83	F84 - F85	F86	F86	F87	F87	F88 - F89

• *H.S.M : High Speed Machining

● Recommended, ○ Suitable

TaeguTec Member IMC Group

Tool Selection Guide

Solid end mill

Series	APEXMILL					
	TSE 4...M	HES 2...LT	HES 4...LT	HES 2...XLT	HES 4...XLT	HES 2...T-R
						
Type	Flat	Flat	Flat	Flat	Flat	Radius
Flute	4	2	4	2	4	2
Length	Medium	Long	Long	Extra long	Extra long	Medium
Grades	TT5515,TT5525,UF10	TT5525	TT5525	TT5515, TT5525	TT5515, TT5525	TT5515, TT5525
Application	General	General	General	General	General	General
Material	P M K N S H ● ○ ● ● ○	P M K N S H ● ○ ● ○	P M K N S H ● ○ ● ○	P M K N S H ● ○ ● ○	P M K N S H ● ○ ● ○	P M K N S H ● ○ ● ○
Range	Ø1.0 - Ø25.0	Ø3.0 - Ø20.0	Ø3.0 - Ø20.0	Ø3.0 - Ø20.0	Ø3.0 - Ø20.0	Ø3.0 - Ø20.0
Pages	F90 - F91	F92	F93	F94	F95	F96

Series	APEXMILL					
	HES 2...LT-R	HES 4...T-R	HES 4...LT-R	HFM 2	HFM 4	CFM 4...M
				 SOLIDFEED	 SOLIDFEED	 VFMILL
Type	Radius	Radius	Radius	Flat	Flat	Chamfer
Flute	2	4	4	2	4	4
Length	Long	Medium	Long	Medium	Medium	Medium
Grades	TT5515, TT5525	TT5515, TT5525	TT5515, TT5525	TT5515	TT5515	TT5525
Application	General	General	General	* H.F.M	* H.F.M	General
Material	P M K N S H ● ○ ● ○	P M K N S H ● ○ ● ○	P M K N S H ● ○ ● ○	P M K N S H ● ● ○	P M K N S H ● ● ○	P M K N S H ● ● ○ ●
Range	Ø3.0 - Ø12.0	Ø3.0 - Ø20.0	Ø3.0 - Ø12.0	Ø4.0 - Ø12.0	Ø6.0 - Ø12.0	Ø6.0 - Ø25.0
Pages	F97	F98	F99	F100	F100	F101

• *H.F.M : High Feed Machining

● Recommended, ○ Suitable

ADVANCE MACHINING
TaeguTec Industry 4.0

Tool Selection Guide

Solid end mill

APEXMILL

REL ...L	FSM 4...M	CEM 2...-C60	CEM 2	CEM 2...-C120	ECEM 2
					
Chamfer	Chamfer	Chamfer 60°	Chamfer 90°	Chamfer 120°	Chamfer 90°
3-4	4	2	2	2	2
Long	Medium	Long	Long	Long	Medium
TT5515	TT5525	UF10	UF10	UF10	UF10
Roughing	Roughing+Finishing	General	General	General	General
P M K N S H	P M K N S H	P M K N S H	P M K N S H	P M K N S H	P M K N S H
● ○ ○ ○ ●	● ○ ○ ○	● ○ ○ ● ○	● ○ ○ ● ○	● ○ ○ ● ○	● ○ ○ ● ○
Ø6.0 - Ø20.0	Ø6.0 - Ø25.0	Ø4.0 - Ø20.0	Ø4.0 - Ø20.0	Ø4.0 - Ø20.0	Ø2.0 - Ø16.0
F101	F102	F102	F103	F103	F104

APEXMILL STARMILL

ECEM 4	SBT 3...U	SBT 4...U	SED 4...U	SED 4...UL	SED 4...U-R
					
Chamfer 90°	Ball	Ball	Flat	Flat	Radius
4	3	4	4	4	4
Medium	Medium	Medium	Medium	Long	Medium
UF10	TT5515	TT5515	TT5515	TT5515	TT5515
General	Difficult-to-cut	Difficult-to-cut	Difficult-to-cut	Difficult-to-cut	Difficult-to-cut
P M K N S H	P M K N S H	P M K N S H	P M K N S H	P M K N S H	P M K N S H
● ○ ○ ● ○	○ ● ●	○ ● ●	○ ● ●	○ ● ●	○ ● ●
Ø6.0 - Ø12.0	Ø4.0 - Ø12.0	Ø4.0 - Ø12.0	Ø3.0 - Ø20.0	Ø3.0 - Ø12.0	Ø2.0 - Ø16.0
F104	F105	F105	F106	F106	F107

● Recommended, ○ Suitable

TaeguTec

Tool Selection Guide

Solid end mill

Series	STARMILL					
	SED 4...U-C	**SED 7**	**SER**	**REH ...S**	**REH ...M**	**REH ...L**
						
Type	Chamfer	Radius	Splitter	Chamfer	Chamfer	Chamfer
Flute	4	7	3-5	4-6	3-6	4-6
Length	Medium	Medium	Medium	Short	Medium	Long
Grades	TT5515	TT5515	TT5525	TT5525	TT5525	TT5525
Application	Difficult-to-cut	Difficult-to-cut	Difficult-to-cut	Roughing	Roughing	Roughing
Material	P M K N S H ○ ●	P M K N S H ● ●	P M K N S H ○ ● ●	P M K N S H ○ ○ ● ○	P M K N S H ○ ○ ● ○	P M K N S H ○ ○ ● ○
Range	Ø4.0 - Ø12.0	Ø6.0 - Ø20.0	Ø3.0 - Ø20.0	Ø6.0 - Ø20.0	Ø4.0 - Ø25.0	Ø6.0 - Ø20.0
Pages	F108	F108	F109	F110	F111	F112

Series	ALUMILL					
	AES 2	**AES 2...XL**	**AES 3**	**AES 3...ML**	**AES 3...XL**	**AES 2...-R**
						
Type	Flat	Flat	Flat	Flat	Flat	Radius
Flute	2	2	3	3	3	2
Length	Medium	Extra long	Medium	Long	Extra long	Medium
Grades	UF10	UF10	UF10	UF10	UF10	UF10
Application	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Material	P M K N S H ●	P M K N S H ●	P M K N S H ●	P M K N S H ●	P M K N S H ●	P M K N S H ●
Range	Ø1.0 - Ø20.0	Ø2.0 - Ø20.0	Ø2.0 - Ø25.0	Ø3.0 - Ø20.0	Ø6.0 - Ø20.0	Ø6.0 - Ø16.0
Pages	F113	F114	F115	F116	F117	F118

● Recommended, ○ Suitable

Tool Selection Guide

Solid end mill

ALUMILL

AES 3...-R	REMA 3/3...C	REA 3...L	AWE 3	AWE 3...ML	AWE 3...ML-R
					
Radius	Radius	Chamfer	Wave Flat	Wave Flat	Wave Radius
3	3	3	3	3	3
Medium	Long neck	Long	Medium	Long	Long
UF10	UF10	UF10	UF10	UF10	UF10
Aluminum	Roughing	Roughing	Aluminum	Aluminum	Aluminum
P M K N S H	P M K N S H	P M K N S H	P M K N S H	P M K N S H	P M K N S H
●	●	●	●	●	●
Ø6.0 - Ø16.0	Ø6.0 - Ø20.0	Ø6.0 - Ø20.0	Ø6.0 - Ø20.0	Ø6.0 - Ø20.0	Ø6.0 - Ø12.0
F119	F120	F120	F121	F121	F122

CERAMICSFEED

CRF 4	CRF 6	CRH 4
		
Radius	Radius	Radius
4	6	4
Medium	Medium	Medium
TC3030	TC3030	TC3030
* H.S.M	* H.S.M	* H.F.M
P M K N S H	P M K N S H	P M K N S H
●	●	●
Ø6.0 - Ø16.0	Ø6.0 - Ø16.0	Ø6.0 - Ø16.0
F122	F123	F123

DIAMILL

DMB 2	DEB 2...S	DEB 2...L
		
Ball	Ball	Ball
2	2	2
Miniature	Short	Long
TT6050	TT6050	TT6050
Graphite	Graphite	Graphite
Graphite	Graphite	Graphite
Ø0.6 - Ø2.0	Ø3.0 - Ø12.0	Ø3.0 - Ø12.0
F124	F124	F125

• *H.S.M : High Speed Machining • *H.F.M : High Feed Machining

● Recommended, ○ Suitable

TaeguTec Member IMC Group

Tool Selection Guide

Solid end mill

Series	DIAMILL				
	DMR 2 	**DER 3...S** 	**DER 3...L** 	**RRFE** 	**RCFE** 
Type	Radius	Radius	Radius	Flat	Flat
Flute	2	3	3	6-12	
Length	Miniature	Short	Long		
Grades	TT6050	TT6050	TT6050	TTD610	TTD610
Application	Graphite	Graphite	Graphite	Roughing	Roughing
Material	Graphite	Graphite	Graphite	Composite material	Composite material
Range	Ø0.6 - Ø2.0	Ø3.0 - Ø12.0	Ø4.0 - Ø12.0	Ø4.0 - Ø12.0	Ø4.0 - Ø12.0
Pages	F125	F126	F126	F127	F127

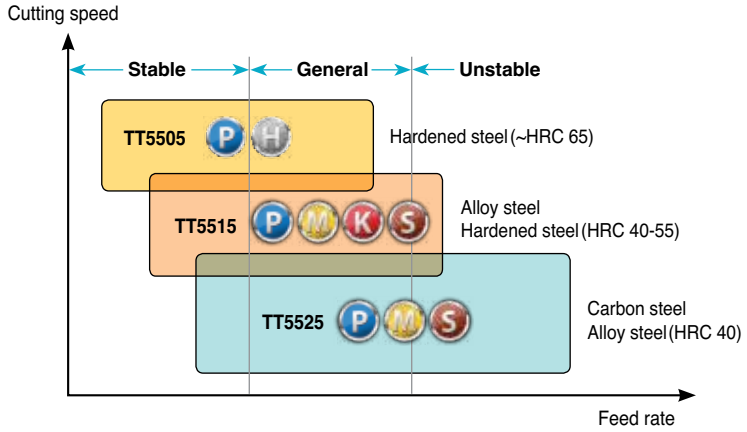
Series	DIAMILL				
	RCOM 	**RDCF 4** 			
Type	Flat	Flat			
Flute	4,6	4			
Length					
Grades	TTD610	TTD610			
Application	Finishing	Finishing			
Material	Composite material	Composite material			
Range	Ø6.0 - Ø12.0	Ø4.0 - Ø12.0			
Pages	F128	F128			

Grades

Solid end mill grades

Grades	ISO	Characteristics & applications
TT5505 PVD coated	P05 – P25 H05 – H25	• High wear and oxidation resistance that delivers exceptional productivity levels • Hardened steel, pre-hardened steel (Hardness < 65 HRC) • High speed machining
TT5515 PVD coated	P10 – P30 M15 – M30 K10 – K30 S10 – S30 H10 – H30	• An ultra wear resistant high performance grade covering all ISO ranges • Alloy steel, pre-hardeded steel, stainless steel, high-temp alloy (45 < HRC < 55) • Medium to high speed machining
TT5525 PVD coated	P20 – P40 M20 – M40 S20 – S40	• Optimally balanced with wear resistant and anti-chipping properties • General machining of carbon steel, alloy steel, stainless steel, high-temp alloy (< 40 HRC) • Low to medium speed machining
TT6050 Diamond coated	**Graphite**	• High hardness and excellent wear resistance • Machining of graphite
TTD610 Diamond coated	**Composite material**	• Advanced nano diamond coating provides longer tool life and stability of machining • Excellent abrasive wear resistance (Hardness: more Hv 8000) • Machining of composite material
UF10N **UF10** Uncoated	P25 – P35 M25 – M35 N25 – N35	• General machining of steel, aluminum alloys, non-ferrous materials • Submicron substrate
TC3030 Ceramic	S25 – S35	• SiAlON ceramic grade • High speed machining of nikel based super alloys

Selection guide for solid end mill grades



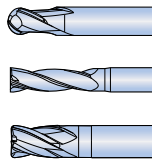
Designation System

HARDMILL

HSB	2	010	M	010	030
1	2	3	4	5/5*	6

1 End mill type

HSB	Ball nose
HSF	Flat
HSR	Corner radius



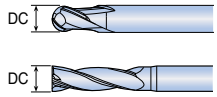
2 No. of flute

2	2 Flutes
4	4 Flutes
6	6 Flutes



3 Cutting diameter

010	1.0 mm
100	10.0 mm



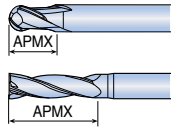
4 Cutting length type

-(none)	Long neck
S	Short
M	Medium
L	Long
XLT	Extra long

5 Length of cut

HSB / HSF type

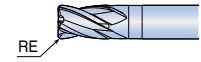
010	1.0 mm
120	12.0 mm



5* Corner radius

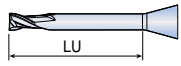
HSR type

005	R0.05 mm
020	R0.2 mm



6 Length of neck

030	3.0 mm
200	20.0mm
-(none)	No undercut

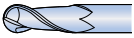
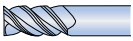
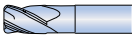


Designation System

APEXMILL STARMILL ALUMILL DIAMILL

SBE	2	010	S-	***
1	2	3	4	5

1 End mill type

SBE/SBT/AEB/DEB	Ball nose	
TSE/SED/AES	Flat	
AMR/DER	Corner radius	

2 No. of flute

2 2 Flutes 

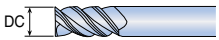
4 4 Flutes 

6 6 Flutes 

3 Cutting diameter

010 1.0 mm

100 10.0 mm



4 Overall length

S Short length 

M Medium length 

L Long length 

XL Extra long length 

5 Others

-□ Shank diameter

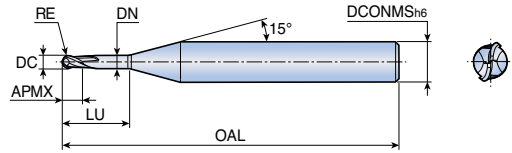
-R□□ Corner radius

HSB 2

HARDMILL

2 flute long neck ball





RE	
DC≤6	±0.005
DC>6	±0.010

DC	Tolerance
DC≤6	0 - -0.010
DC>6	0 - -0.015

2 | H·A 30° | Cutting Condition F130

Designation		Dimension (mm)							Grade
		DC	RE	OAL	APMX	LU	DN	DCONMS	TT5505
HSB	2003 003 010	0.3	0.15	45	0.3	1.0	0.27	4.0	●
	2003 003 020	0.3	0.15	45	0.3	2.0	0.27	4.0	●
	2003 003 030	0.3	0.15	45	0.3	3.0	0.27	4.0	●
	2004 004 010	0.4	0.2	45	0.4	1.0	0.36	4.0	●
	2004 004 015	0.4	0.2	45	0.4	1.5	0.36	4.0	●
	2004 004 020	0.4	0.2	45	0.4	2.0	0.36	4.0	●
	2004 004 025	0.4	0.2	45	0.4	2.5	0.36	4.0	●
	2004 004 030	0.4	0.2	45	0.4	3.0	0.36	4.0	●
	2004 004 040	0.4	0.2	45	0.4	4.0	0.36	4.0	●
	2005 005 010	0.5	0.25	45	0.5	1.0	0.45	4.0	●
	2005 005 015	0.5	0.25	45	0.5	1.5	0.45	4.0	●
	2005 005 020	0.5	0.25	45	0.5	2.0	0.45	4.0	●
	2005 005 025	0.5	0.25	45	0.5	2.5	0.45	4.0	●
	2005 005 030	0.5	0.25	45	0.5	3.0	0.45	4.0	●
	2005 005 040	0.5	0.25	45	0.5	4.0	0.45	4.0	●
	2005 005 050	0.5	0.25	45	0.5	5.0	0.45	4.0	●
	2005 005 060	0.5	0.25	45	0.5	6.0	0.45	4.0	●
	2005 005 080	0.5	0.25	45	0.5	8.0	0.45	4.0	●
	2006 006 020	0.6	0.3	45	0.6	2.0	0.55	4.0	●
	2006 006 030	0.6	0.3	45	0.6	3.0	0.55	4.0	●
	2006 006 040	0.6	0.3	45	0.6	4.0	0.55	4.0	●
	2006 006 050	0.6	0.3	45	0.6	5.0	0.55	4.0	●
	2006 006 060	0.6	0.3	45	0.6	6.0	0.55	4.0	●
	2006 006 080	0.6	0.3	45	0.6	8.0	0.55	4.0	●
	2006 006 100	0.6	0.3	45	0.6	10.0	0.55	4.0	●
	2008 008 020	0.8	0.4	45	0.8	2.0	0.75	4.0	●
	2008 008 030	0.8	0.4	45	0.8	3.0	0.75	4.0	●
	2008 008 040	0.8	0.4	45	0.8	4.0	0.75	4.0	●
	2008 008 050	0.8	0.4	45	0.8	5.0	0.75	4.0	●
	2008 008 060	0.8	0.4	45	0.8	6.0	0.75	4.0	●
	2008 008 080	0.8	0.4	45	0.8	8.0	0.75	4.0	●
	2008 008 100	0.8	0.4	45	0.8	10.0	0.75	4.0	●
	2008 008 120	0.8	0.4	45	0.8	12.0	0.75	4.0	●

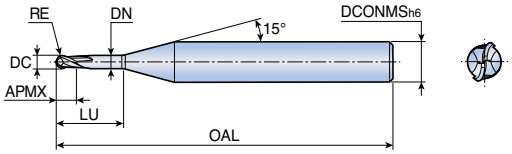
●: Standard items

HSB 2

HARDMILL

2 flute long neck ball





RE	
DC≤6	±0.005
DC>6	±0.010

DC	Tolerance
DC≤6	0 - -0.010
DC>6	0 - -0.015

2 | H·A 30° | Cutting Condition F130

Designation		Dimension (mm)							Grade
		DC	RE	OAL	APMX	LU	DN	DCONMS	TT5505
HSB	2010 010 030	1.0	0.5	50	1.0	3	0.97	4.0	●
	2010 010 040	1.0	0.5	50	1.0	4	0.97	4.0	●
	2010 010 050	1.0	0.5	50	1.0	5	0.97	4.0	●
	2010 010 060	1.0	0.5	50	1.0	6	0.97	4.0	●
	2010 010 070	1.0	0.5	50	1.0	7	0.97	4.0	●
	2010 010 080	1.0	0.5	50	1.0	8	0.95	4.0	●
	2010 010 090	1.0	0.5	50	1.0	9	0.95	4.0	●
	2010 010 100	1.0	0.5	50	1.0	10	0.95	4.0	●
	2010 010 120	1.0	0.5	50	1.0	12	0.93	4.0	●
	2010 010 140	1.0	0.5	50	1.0	14	0.93	4.0	●
	2010 010 160	1.0	0.5	50	1.0	16	0.93	4.0	●
	2010 010 180	1.0	0.5	55	1.0	18	0.93	4.0	●
	2010 010 200	1.0	0.5	55	1.0	20	0.93	4.0	●
	2012 012 040	1.2	0.6	50	1.2	4	1.15	4.0	●
	2012 012 060	1.2	0.6	50	1.2	6	1.15	4.0	●
	2012 012 080	1.2	0.6	50	1.2	8	1.15	4.0	●
	2012 012 100	1.2	0.6	50	1.2	10	1.15	4.0	●
	2012 012 120	1.2	0.6	50	1.2	12	1.13	4.0	●
	2015 015 040	1.5	0.75	50	1.5	4	1.45	4.0	●
	2015 015 060	1.5	0.75	50	1.5	6	1.45	4.0	●
	2015 015 080	1.5	0.75	50	1.5	8	1.45	4.0	●
	2015 015 100	1.5	0.75	50	1.5	10	1.45	4.0	●
	2015 015 120	1.5	0.75	50	1.5	12	1.43	4.0	●
	2015 015 140	1.5	0.75	50	1.5	14	1.43	4.0	●
	2015 015 160	1.5	0.75	50	1.5	16	1.41	4.0	●
	2015 015 180	1.5	0.75	55	1.5	18	1.41	4.0	●
	2015 015 200	1.5	0.75	55	1.5	20	1.39	4.0	●
	2020 030 060	2.0	1.0	50	3.0	6	1.95	4.0	●
	2020 030 080	2.0	1.0	50	3.0	8	1.95	4.0	●
	2020 030 100	2.0	1.0	50	3.0	10	1.95	4.0	●
	2020 030 120	2.0	1.0	50	3.0	12	1.93	4.0	●
	2020 030 140	2.0	1.0	50	3.0	14	1.93	4.0	●
	2020 030 160	2.0	1.0	50	3.0	16	1.93	4.0	●
	2020 030 180	2.0	1.0	55	3.0	18	1.93	4.0	●
	2020 030 200	2.0	1.0	55	3.0	20	1.93	4.0	●

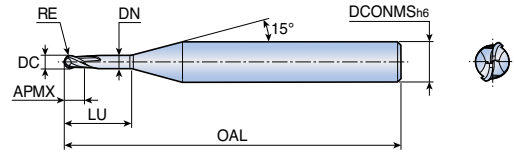
●: Standard items

HSB 2

HARDMILL

2 flute long neck ball





RE	
DC≤6	±0.005
DC>6	±0.010

DC	Tolerance
DC≤6	0 - -0.010
DC>6	0 - -0.015

2 | H·A 30° | Cutting Condition F130

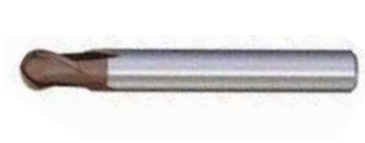
Designation	Dimension (mm)							Grade
	DC	RE	OAL	APMX	LU	DN	DCONMS	TT5505
HSB 2020 030 250	2.0	1.0	60	3.0	25	1.93	4.0	●
2020 030 300	2.0	1.0	70	3.0	30	1.93	4.0	●
2025 035 080	2.5	1.25	55	3.5	8	2.45	4.0	●
2025 035 100	2.5	1.25	55	3.5	10	2.45	4.0	●
2025 035 120	2.5	1.25	55	3.5	12	2.43	4.0	●
2025 035 160	2.5	1.25	55	3.5	16	2.41	4.0	●
2025 035 200	2.5	1.25	55	3.5	20	2.41	4.0	●
2030 040 080	3.0	1.5	55	4.0	8	2.85	6.0	●
2030 040 100	3.0	1.5	55	4.0	10	2.85	6.0	●
2030 040 120	3.0	1.5	55	4.0	12	2.85	6.0	●
2030 040 140	3.0	1.5	55	4.0	14	2.85	6.0	●
2030 040 160	3.0	1.5	55	4.0	16	2.85	6.0	●
2030 040 180	3.0	1.5	60	4.0	18	2.85	6.0	●
2030 040 200	3.0	1.5	60	4.0	20	2.85	6.0	●
2030 040 250	3.0	1.5	60	4.0	25	2.85	6.0	●
2030 040 300	3.0	1.5	75	4.0	30	2.85	6.0	●
2030 040 350	3.0	1.5	75	4.0	35	2.85	6.0	●
2030 040 400	3.0	1.5	80	4.0	40	2.85	6.0	●
2040 050 100	4.0	2.0	55	5.0	10	3.9	6.0	●
2040 050 120	4.0	2.0	55	5.0	12	3.9	6.0	●
2040 050 160	4.0	2.0	55	5.0	16	3.9	6.0	●
2040 050 200	4.0	2.0	60	5.0	20	3.9	6.0	●
2040 050 250	4.0	2.0	60	5.0	25	3.9	6.0	●
2040 050 300	4.0	2.0	75	5.0	30	3.9	6.0	●
2040 050 350	4.0	2.0	75	5.0	35	3.9	6.0	●
2040 050 400	4.0	2.0	80	5.0	40	3.9	6.0	●
2050 060 120	5.0	2.5	70	6.0	12	4.9	6.0	●
2050 060 300	5.0	2.5	70	6.0	30	4.9	6.0	●

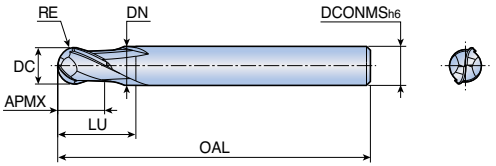
●: Standard items

HSB 2

HARDMILL

2 flute long neck ball





RE		
DC≤6	±0.005	
DC>6	±0.010	

DC	Tolerance
DC≤6	0 - -0.010
DC>6	0 - -0.015

2 | H·A 30° | Cutting Condition F130

Designation		Dimension (mm)							Grade
		DC	RE	OAL	APMX	LU	DN	DCONMS	TT5505
HSB	2060 080 150	6.0	3	60	8	15	5.9	6.0	●
	2060 080 200	6.0	3	60	8	20	5.9	6.0	●
	2060 080 300	6.0	3	80	8	30	5.9	6.0	●
	2060 080 350	6.0	3	80	8	35	5.9	6.0	●
	2080 100 150	8.0	4	80	10	15	7.9	8.0	●
	2080 100 200	8.0	4	80	10	20	7.9	8.0	●
	2080 100 300	8.0	4	100	10	30	7.9	8.0	●
	2100 120 200	10.0	5	80	12	20	9.9	10.0	●
	2100 120 250	10.0	5	80	12	25	9.9	10.0	●
	2100 120 350	10.0	5	100	12	35	9.9	10.0	●
	2120 140 250	12.0	6	80	14	25	11.9	12.0	●
	2120 140 400	12.0	6	110	14	40	11.9	12.0	●

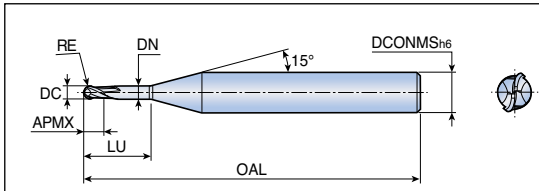
●: Standard items

HSB 2...S6

HARDMILL

2 flute long neck ball (Shank 6mm)





RE	
DC≤6	±0.005
DC>6	±0.010

DC	Tolerance
DC≤6	0 - -0.010
DC>6	0 - -0.015



Designation		Dimension (mm)							Grade
		DC	RE	OAL	APMX	LU	DN	DCONMS	TT5505
HSB	2006 006 020 S6	0.6	0.3	45	0.6	2	0.55	6.0	●
	2006 006 040 S6	0.6	0.3	45	0.6	4	0.55	6.0	●
	2006 006 060 S6	0.6	0.3	45	0.6	6	0.55	6.0	●
	2008 008 020 S6	0.8	0.4	45	0.8	2	0.75	6.0	●
	2008 008 040 S6	0.8	0.4	45	0.8	4	0.75	6.0	●
	2008 008 060 S6	0.8	0.4	45	0.8	6	0.75	6.0	●
	2008 008 080 S6	0.8	0.4	45	0.8	8	0.75	6.0	●
	2010 010 030 S6	1.0	0.5	50	1.0	3	0.95	6.0	●
	2010 010 040 S6	1.0	0.5	50	1.0	4	0.95	6.0	●
	2010 010 060 S6	1.0	0.5	50	1.0	6	0.95	6.0	●
	2010 010 080 S6	1.0	0.5	50	1.0	8	0.95	6.0	●
	2010 010 100 S6	1.0	0.5	50	1.0	10	0.95	6.0	●
	2015 015 040 S6	1.5	0.75	50	1.5	4	1.45	6.0	●
	2015 015 060 S6	1.5	0.75	50	1.5	6	1.45	6.0	●
	2015 015 080 S6	1.5	0.75	50	1.5	8	1.45	6.0	●
	2015 015 100 S6	1.5	0.75	50	1.5	10	1.45	6.0	●
	2015 015 120 S6	1.5	0.75	50	1.5	12	1.45	6.0	●
	2020 030 060 S6	2.0	1.0	50	3.0	6	1.95	6.0	●
	2020 030 080 S6	2.0	1.0	50	3.0	8	1.95	6.0	●
	2020 030 100 S6	2.0	1.0	50	3.0	10	1.95	6.0	●
	2020 030 120 S6	2.0	1.0	50	3.0	12	1.95	6.0	●
	2020 030 160 S6	2.0	1.0	50	3.0	16	1.95	6.0	●

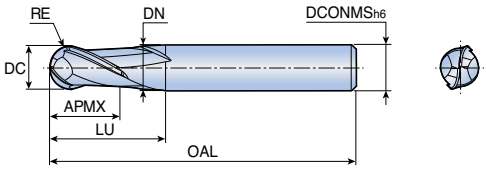
●: Standard items

HSB 2...S

HARDMILL

2 flute short ball





RE		
DC≤6	±0.005	
DC>6	±0.010	

DC	Tolerance
DC≤6	0 - -0.010
DC>6	0 - -0.015

2 | H·A 30° | Cutting Condition F130

Designation	Dimension (mm)							Grade
	DC	RE	OAL	APMX	LU	DN	DCONMS	TT5505
HSB 2010S 015 025	1.0	0.5	38	1.5	2.5	0.95	6.0	●
2015S 025 045	1.5	0.75	38	2.5	4.5	1.45	6.0	●
2020S 030 065	2.0	1.0	38	3.0	6.5	1.95	6.0	●
2030S 045 080	3.0	1.5	38	4.5	8.0	2.9	6.0	●
2040S 060 100	4.0	2.0	54	6.0	10.0	3.9	6.0	●
2050S 075 150	5.0	2.5	54	7.5	15.0	4.9	6.0	●
2060S 090 170	6.0	3.0	54	9.0	17.0	5.9	6.0	●
2080S 120 200	8.0	4.0	58	12.0	20.0	7.9	8.0	●
2100S 150 250	10.0	5.0	66	15.0	25.0	9.9	10.0	●
2120S 180 300	12.0	6.0	73	18.0	30.0	11.9	12.0	●

●: Standard items

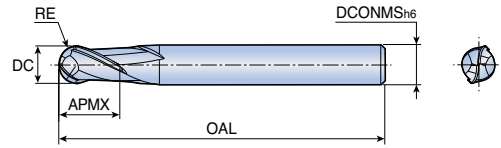
TaeguTec

HSB 2...M

HARDMILL

2 flute medium ball





RE	
DC≤6	±0.005
DC>6	±0.010

DC	Tolerance
DC≤6	0 - -0.010
DC>6	0 - -0.015

2 | H·A 30° | Cutting Condition F130

Designation	Dimension (mm)					Grade
	DC	RE	OAL	APMX	DCONMS	TT5505
HSB 2003M 006	0.3	0.15	45	0.6	4.0	●
2004M 008	0.4	0.2	45	0.8	4.0	●
2005M 010	0.5	0.25	45	1.0	4.0	●
2006M 012	0.6	0.3	45	1.2	4.0	●
2007M 014	0.7	0.35	45	1.4	4.0	●
2008M 016	0.8	0.4	45	1.6	4.0	●
2009M 018	0.9	0.45	45	1.8	4.0	●
2010M 025	1.0	0.5	50	2.5	6.0	●
2015M 040	1.5	0.75	50	4.0	6.0	●
2020M 050	2.0	1.0	50	5.0	6.0	●
2025M 070	2.5	1.25	60	7.0	6.0	●
2030M 080	3.0	1.5	60	8.0	6.0	●
2035M 080	3.5	1.75	70	8.0	6.0	●
2040M 080	4.0	2.0	70	8.0	6.0	●
2045M 100	4.5	2.25	80	10.0	6.0	●
2050M 100	5.0	2.5	80	10.0	6.0	●
2060M 120	6.0	3.0	80	12.0	6.0	●
2080M 140	8.0	4.0	90	14.0	8.0	●
2100M 180	10.0	5.0	100	18.0	10.0	●
2120M 220	12.0	6.0	110	22.0	12.0	●

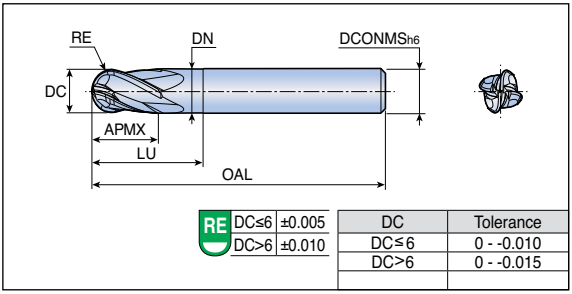
●: Standard items

HSB 4...M

HARDMILL

4 flute medium ball





RE		
DC≤6	±0.005	
DC>6	±0.010	

DC	Tolerance
DC≤6	0 - -0.010
DC>6	0 - -0.015

4 | H·A 30° | Cutting Condition F130

Designation		Dimension (mm)							Grade
		DC	RE	OAL	APMX	LU	DN	DCONMS	TT5505
HSB	4040M 060 100	4.0	2.0	70	6.0	10	3.9	6.0	●
	4050M 075 150	5.0	2.5	80	7.5	15	4.9	6.0	●
	4060M 090 170	6.0	3.0	80	9.0	17	5.9	6.0	●
	4080M 120 200	8.0	4.0	90	12.0	20	7.9	8.0	●
	4100M 150 250	10.0	5.0	100	15.0	25	9.9	10.0	●
	4120M 180 300	12.0	6.0	110	18.0	30	11.9	12.0	●

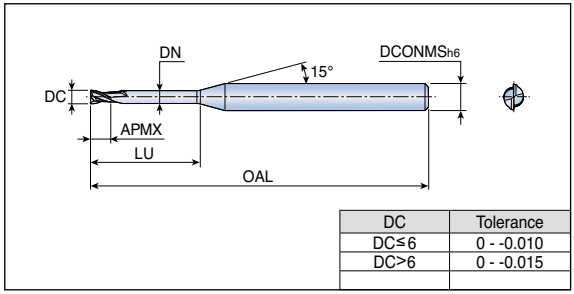
●: Standard items

HSF 2

HARDMILL

2 flute long neck flat





DC	Tolerance
DC≤6	0 - -0.010
DC>6	0 - -0.015



Designation		Feed (mm/tooth)	Dimension (mm)						Grade
			DC	OAL	APMX	LU	DN	DCONMS	TT5505
HSF	2003 004 010	0.006-0.010	0.3	45	0.4	1.0	0.27	4.0	●
	2003 004 015	0.006-0.010	0.3	45	0.4	1.5	0.27	4.0	●
	2003 004 020	0.006-0.010	0.3	45	0.4	2.0	0.27	4.0	●
	2003 004 025	0.006-0.010	0.3	45	0.4	2.5	0.27	4.0	●
	2003 004 030	0.006-0.010	0.3	45	0.4	3.0	0.27	4.0	●
	2003 004 040	0.005-0.008	0.3	45	0.4	4.0	0.27	4.0	●
	2003 004 050	0.005-0.008	0.3	45	0.4	5.0	0.27	4.0	●
	2004 006 010	0.006-0.010	0.4	45	0.6	1.0	0.37	4.0	●
	2004 006 015	0.006-0.010	0.4	45	0.6	1.5	0.37	4.0	●
	2004 006 020	0.006-0.010	0.4	45	0.6	2.0	0.37	4.0	●
	2004 006 025	0.006-0.010	0.4	45	0.6	2.5	0.37	4.0	●
	2004 006 030	0.006-0.010	0.4	45	0.6	3.0	0.37	4.0	●
	2004 006 040	0.006-0.010	0.4	45	0.6	4.0	0.37	4.0	●
	2004 006 050	0.005-0.008	0.4	45	0.6	5.0	0.37	4.0	●
	2004 006 060	0.005-0.008	0.4	45	0.6	6.0	0.37	4.0	●
	2005 007 010	0.006-0.010	0.5	45	0.7	1.0	0.45	4.0	●
	2005 007 015	0.006-0.010	0.5	45	0.7	1.5	0.45	4.0	●
	2005 007 020	0.006-0.010	0.5	45	0.7	2.0	0.45	4.0	●
	2005 007 025	0.006-0.009	0.5	45	0.7	2.5	0.45	4.0	●
	2005 007 030	0.006-0.009	0.5	45	0.7	3.0	0.45	4.0	●
	2005 007 040	0.006-0.008	0.5	45	0.7	4.0	0.45	4.0	●
	2005 007 050	0.006-0.008	0.5	45	0.7	5.0	0.45	4.0	●
	2005 007 060	0.005-0.007	0.5	45	0.7	6.0	0.45	4.0	●
	2005 007 080	0.005-0.007	0.5	45	0.7	8.0	0.45	4.0	●
	2006 009 020	0.008-0.013	0.6	45	0.9	2.0	0.55	4.0	●
	2006 009 030	0.008-0.013	0.6	45	0.9	3.0	0.55	4.0	●
	2006 009 040	0.008-0.013	0.6	45	0.9	4.0	0.55	4.0	●
	2006 009 050	0.008-0.013	0.6	45	0.9	5.0	0.55	4.0	●
	2006 009 060	0.008-0.013	0.6	45	0.9	6.0	0.55	4.0	●
	2006 009 080	0.006-0.010	0.6	45	0.9	8.0	0.55	4.0	●
	2006 009 100	0.006-0.010	0.6	45	0.9	10.0	0.55	4.0	●
	2007 012 020	0.008-0.013	0.7	45	1.2	2.0	0.65	4.0	●
	2007 012 040	0.008-0.013	0.7	45	1.2	4.0	0.65	4.0	●
	2007 012 060	0.008-0.013	0.7	45	1.2	6.0	0.65	4.0	●
	2007 012 080	0.008-0.013	0.7	45	1.2	8.0	0.65	4.0	●
	2007 012 100	0.006-0.010	0.7	45	1.2	10.0	0.65	4.0	●

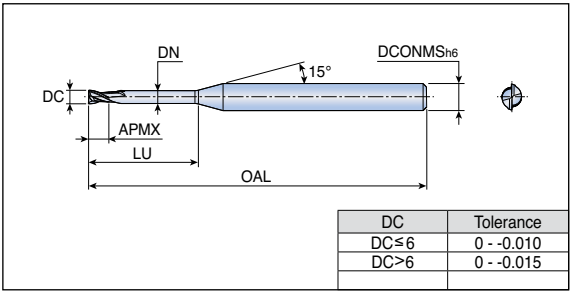
●: Standard items

HSF 2

HARDMILL

2 flute long neck flat





DC	Tolerance
DC≤6	0 - -0.010
DC>6	0 - -0.015

2 | H·A 30° | Cutting Condition F130

Designation		Feed (mm/tooth)	Dimension (mm)						Grade
			DC	OAL	APMX	LU	DN	DCONMS	TT5505
HSF	2007 012 120	0.006-0.010	0.7	45	1.2	12.0	0.65	4.0	●
	2008 012 020	0.007-0.015	0.8	45	1.2	2.0	0.75	4.0	●
	2008 012 030	0.007-0.015	0.8	45	1.2	3.0	0.75	4.0	●
	2008 012 040	0.007-0.015	0.8	45	1.2	4.0	0.75	4.0	●
	2008 012 050	0.007-0.015	0.8	45	1.2	5.0	0.75	4.0	●
	2008 012 060	0.007-0.015	0.8	45	1.2	6.0	0.75	4.0	●
	2008 012 080	0.007-0.013	0.8	45	1.2	8.0	0.73	4.0	●
	2008 012 100	0.007-0.012	0.8	45	1.2	10.0	0.73	4.0	●
	2008 012 120	0.007-0.012	0.8	45	1.2	12.0	0.73	4.0	●
	2010 015 030	0.009-0.020	1.0	50	1.5	3.0	0.97	4.0	●
	2010 015 040	0.009-0.020	1.0	50	1.5	4.0	0.97	4.0	●
	2010 015 050	0.009-0.018	1.0	50	1.5	5.0	0.97	4.0	●
	2010 015 060	0.009-0.018	1.0	50	1.5	6.0	0.97	4.0	●
	2010 015 070	0.009-0.018	1.0	50	1.5	7.0	0.97	4.0	●
	2010 015 080	0.009-0.018	1.0	50	1.5	8.0	0.95	4.0	●
	2010 015 100	0.009-0.016	1.0	50	1.5	10.0	0.95	4.0	●
	2010 015 120	0.008-0.014	1.0	50	1.5	12.0	0.93	4.0	●
	2010 015 140	0.008-0.014	1.0	50	1.5	14.0	0.93	4.0	●
	2010 015 160	0.008-0.014	1.0	50	1.5	16.0	0.91	4.0	●
	2010 015 180	0.008-0.012	1.0	55	1.5	18.0	0.91	4.0	●
	2010 015 200	0.008-0.012	1.0	55	1.5	20.0	0.85	4.0	●
	2012 018 040	0.010-0.020	1.2	50	1.8	4.0	1.17	4.0	●
	2012 018 060	0.010-0.020	1.2	50	1.8	6.0	1.17	4.0	●
	2012 018 080	0.010-0.020	1.2	50	1.8	8.0	1.15	4.0	●
	2012 018 100	0.010-0.019	1.2	50	1.8	10.0	1.15	4.0	●
	2012 018 120	0.010-0.018	1.2	50	1.8	12.0	1.15	4.0	●
	2012 018 160	0.010-0.018	1.2	50	1.8	16.0	1.13	4.0	●
	2015 023 040	0.015-0.025	1.5	50	2.3	4.0	1.47	4.0	●
	2015 023 060	0.015-0.025	1.5	50	2.3	6.0	1.47	4.0	●
	2015 023 080	0.015-0.025	1.5	50	2.3	8.0	1.45	4.0	●
	2015 023 100	0.015-0.025	1.5	50	2.3	10.0	1.45	4.0	●
	2015 023 120	0.013-0.025	1.5	50	2.3	12.0	1.43	4.0	●
	2015 023 140	0.013-0.025	1.5	50	2.3	14.0	1.43	4.0	●
	2015 023 160	0.011-0.015	1.5	50	2.3	16.0	1.41	4.0	●
	2015 023 180	0.011-0.015	1.5	55	2.3	18.0	1.41	4.0	●
	2015 023 200	0.011-0.015	1.5	55	2.3	20.0	1.41	4.0	●

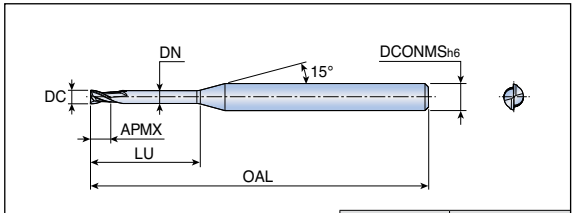
●: Standard items

HSF 2

HARDMILL

2 flute long neck flat





DC	Tolerance
DC≤6	0 - -0.010
DC>6	0 - -0.015



Designation		Feed (mm/tooth)	Dimension (mm)						Grade
			DC	OAL	APMX	LU	DN	DCONMS	TT5505
HSF	2020 030 040	0.018-0.040	2.0	50	3.0	4	1.95	4.0	●
	2020 030 060	0.018-0.040	2.0	50	3.0	6	1.95	4.0	●
	2020 030 080	0.018-0.040	2.0	50	3.0	8	1.95	4.0	●
	2020 030 100	0.018-0.040	2.0	50	3.0	10	1.95	4.0	●
	2020 030 120	0.016-0.025	2.0	50	3.0	12	1.93	4.0	●
	2020 030 140	0.016-0.025	2.0	50	3.0	14	1.93	4.0	●
	2020 030 160	0.015-0.022	2.0	50	3.0	16	1.91	4.0	●
	2020 030 180	0.015-0.022	2.0	55	3.0	18	1.91	4.0	●
	2020 030 200	0.013-0.019	2.0	55	3.0	20	1.91	4.0	●
	2020 030 250	0.013-0.019	2.0	60	3.0	25	1.91	4.0	●
	2020 030 300	0.010-0.015	2.0	70	3.0	30	1.91	4.0	●
	2025 040 080	0.019-0.045	2.5	50	4.0	8	2.4	4.0	●
	2025 040 100	0.019-0.045	2.5	50	4.0	10	2.4	4.0	●
	2025 040 120	0.017-0.040	2.5	50	4.0	12	2.4	4.0	●
	2025 040 160	0.015-0.030	2.5	50	4.0	16	2.4	4.0	●
	2025 040 200	0.013-0.020	2.5	55	4.0	20	2.4	4.0	●
	2030 045 080	0.021-0.060	3.0	55	4.5	8	2.85	6.0	●
	2030 045 100	0.021-0.060	3.0	55	4.5	10	2.85	6.0	●
	2030 045 120	0.018-0.050	3.0	55	4.5	12	2.85	6.0	●
	2030 045 140	0.018-0.045	3.0	55	4.5	14	2.85	6.0	●
	2030 045 160	0.018-0.045	3.0	55	4.5	16	2.85	6.0	●
	2030 045 180	0.015-0.040	3.0	60	4.5	18	2.85	6.0	●
	2030 045 200	0.015-0.040	3.0	60	4.5	20	2.85	6.0	●
	2030 045 250	0.015-0.040	3.0	60	4.5	25	2.85	6.0	●
	2030 045 300	0.015-0.038	3.0	70	4.5	30	2.85	6.0	●
	2030 045 350	0.015-0.038	3.0	75	4.5	35	2.85	6.0	●
	2030 045 400	0.015-0.030	3.0	80	4.5	40	2.85	6.0	●
	2040 060 100	0.030-0.075	4.0	55	6.0	10	3.9	6.0	●
	2040 060 120	0.030-0.075	4.0	55	6.0	12	3.9	6.0	●
	2040 060 160	0.030-0.075	4.0	55	6.0	16	3.9	6.0	●
	2040 060 200	0.030-0.070	4.0	60	6.0	20	3.9	6.0	●
	2040 060 250	0.030-0.070	4.0	60	6.0	25	3.9	6.0	●
	2040 060 300	0.030-0.070	4.0	70	6.0	30	3.9	6.0	●
	2040 060 350	0.030-0.068	4.0	75	6.0	35	3.9	6.0	●
	2040 060 400	0.030-0.068	4.0	80	6.0	40	3.9	6.0	●

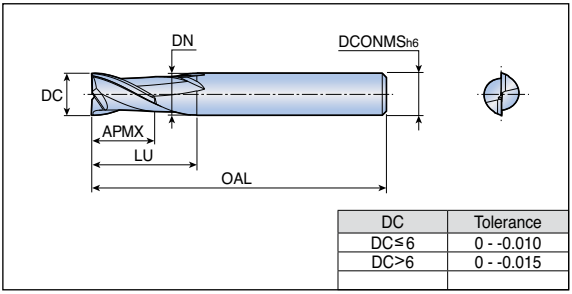
●: Standard items

HSF 2

HARDMILL

2 flute long neck flat





DC	Tolerance
DC≤6	0 - -0.010
DC>6	0 - -0.015



Designation	Feed (mm/tooth)	Dimension (mm)						Grade
		DC	OAL	APMX	LU	DN	DCONMS	TT5505
HSF 2050 080 150	0.056-0.090	5.0	60	8	15	4.8	6.0	●
2050 080 300	0.056-0.090	5.0	90	8	30	4.8	6.0	●
2060 090 150	0.067-0.100	6.0	60	9	15	5.9	6.0	●
2060 090 200	0.067-0.100	6.0	80	9	20	5.9	6.0	●
2060 090 300	0.067-0.100	6.0	90	9	30	5.9	6.0	●
2080 120 200	0.090-0.120	8.0	65	12	20	7.9	8.0	●
2080 120 300	0.090-0.120	8.0	80	12	30	7.9	8.0	●
2080 120 400	0.090-0.120	8.0	100	12	40	7.9	8.0	●
2100 150 250	0.117-0.130	10.0	70	15	25	9.9	10.0	●
2100 150 350	0.117-0.130	10.0	85	15	35	9.9	10.0	●
2100 150 450	0.117-0.130	10.0	100	15	45	9.9	10.0	●
2120 180 300	0.126-0.168	12.0	80	18	30	11.9	12.0	●
2120 180 400	0.126-0.168	12.0	100	18	40	11.9	12.0	●
2120 180 500	0.126-0.168	12.0	120	18	50	11.9	12.0	●

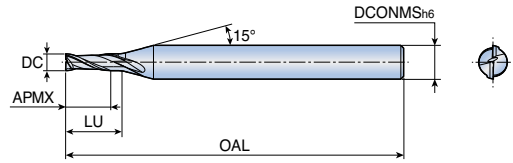
●: Standard items

TaeguTec

HSF 2...M

2 flute medium flat





DC	Tolerance
DC≤6	0 - -0.010
DC>6	0 - -0.015



Designation		Feed (mm/tooth)	Dimension (mm)					Grade
			DC	OAL	APMX	LU	DCONMS	TT5505
HSF	2003M 003	0.006-0.010	0.3	45	0.3	0.6	4.0	●
	2003M 006	0.006-0.010	0.3	45	0.6	0.9	4.0	●
	2004M 004	0.006-0.010	0.4	45	0.4	0.7	4.0	●
	2004M 008	0.006-0.010	0.4	45	0.8	1.1	4.0	●
	2005M 005	0.006-0.010	0.5	45	0.5	0.8	4.0	●
	2005M 010	0.006-0.010	0.5	45	1.0	1.3	4.0	●
	2006M 006	0.008-0.013	0.6	45	0.6	0.9	4.0	●
	2006M 012	0.008-0.013	0.6	45	1.2	1.5	4.0	●
	2008M 008	0.007-0.015	0.8	45	0.8	1.2	4.0	●
	2008M 016	0.007-0.015	0.8	45	1.6	2	4.0	●
	2010M 025	0.009-0.020	1.0	50	2.5	4	6.0	●
	2012M 030	0.010-0.020	1.2	50	3.0	5	6.0	●
	2015M 040	0.015-0.025	1.5	50	4.0	6	6.0	●
	2020M 060	0.018-0.040	2.0	50	6.0	8	6.0	●
	2025M 070	0.019-0.045	2.5	50	7.0	9	6.0	●
	2030M 080	0.021-0.060	3.0	60	8.0	10	6.0	●
	2040M 100	0.030-0.075	4.0	60	10.0	13	6.0	●
	2050M 130	0.056-0.090	5.0	60	13.0	16	6.0	●

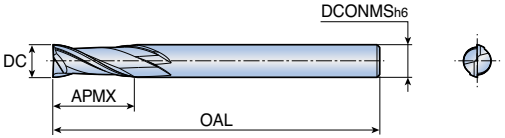
●: Standard items

HSF 2...M

HARDMILL

2 flute medium flat





DC	Tolerance
DC≤6	0 - -0.010
DC>6	0 - -0.015

2 | H·A 30° | Cutting Condition F130

	Designation	Feed (mm/tooth)	Dimension (mm)				Grade
			DC	OAL	APMX	DCONMS	TT5505
HSF	**2060M 150**	0.067-0.100	6.0	60	15.0	6.0	●
	2080M 200	0.090-0.120	8.0	65	20.0	8.0	●
	2100M 250	0.117-0.130	10.0	70	25.0	10.0	●
	2120M 300	0.126-0.168	12.0	80	30.0	12.0	●

●: Standard items

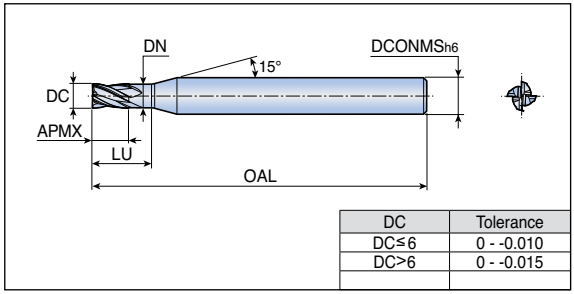
TaeguTec

HSF 4

HARDMILL

4 flute long neck flat





DC	Tolerance
DC≤6	0 - -0.010
DC>6	0 - -0.015

4 | H·A 30° | Cutting Condition F130

Designation		Feed (mm/tooth)	Dimension (mm)						Grade
			DC	OAL	APMX	LU	DN	DCONMS	TT5505
HSF	4010 015 030	0.009-0.020	1.0	50	1.5	3	0.97	4.0	●
	4010 015 040	0.009-0.020	1.0	50	1.5	4	0.97	4.0	●
	4010 015 060	0.009-0.018	1.0	50	1.5	6	0.97	4.0	●
	4010 015 080	0.009-0.018	1.0	50	1.5	8	0.97	4.0	●
	4010 015 100	0.009-0.016	1.0	50	1.5	10	0.97	4.0	●
	4015 025 040	0.015-0.025	1.5	50	2.5	4	1.45	4.0	●
	4015 025 060	0.015-0.025	1.5	50	2.5	6	1.45	4.0	●
	4015 025 080	0.015-0.025	1.5	50	2.5	8	1.45	4.0	●
	4015 025 100	0.015-0.025	1.5	50	2.5	10	1.45	4.0	●
	4015 025 120	0.013-0.025	1.5	50	2.5	12	1.45	4.0	●
	4015 025 160	0.011-0.015	1.5	50	2.5	16	1.45	4.0	●
	4020 030 060	0.018-0.040	2.0	50	3.0	6	1.95	4.0	●
	4020 030 080	0.018-0.040	2.0	50	3.0	8	1.95	4.0	●
	4020 030 100	0.018-0.040	2.0	50	3.0	10	1.95	4.0	●
	4020 030 120	0.016-0.025	2.0	50	3.0	12	1.95	4.0	●
	4020 030 160	0.015-0.022	2.0	50	3.0	16	1.95	4.0	●
	4020 030 200	0.013-0.019	2.0	50	3.0	20	1.95	4.0	●
	4030 045 080	0.021-0.060	3.0	55	4.5	8	2.85	6.0	●
	4030 045 100	0.021-0.060	3.0	55	4.5	10	2.85	6.0	●
	4030 045 120	0.018-0.050	3.0	55	4.5	12	2.85	6.0	●
	4030 045 160	0.018-0.045	3.0	55	4.5	16	2.85	6.0	●
	4030 045 200	0.015-0.040	3.0	60	4.5	20	2.85	6.0	●
	4040 060 100	0.030-0.075	4.0	55	6.0	10	3.90	6.0	●
	4040 060 120	0.030-0.075	4.0	55	6.0	12	3.90	6.0	●
	4040 060 160	0.030-0.075	4.0	55	6.0	16	3.90	6.0	●
	4040 060 200	0.030-0.070	4.0	60	6.0	20	3.90	6.0	●
	4040 060 250	0.030-0.070	4.0	60	6.0	25	3.90	6.0	●
	4050 080 150	0.056-0.090	5.0	60	8.0	15	4.80	6.0	●
	4050 080 300	0.056-0.090	5.0	90	8.0	30	4.80	6.0	●

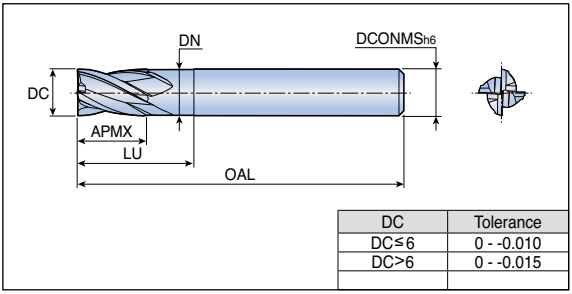
●: Standard items

HSF 4

HARDMILL

4 flute long neck flat





DC	Tolerance
DC≤6	0 - -0.010
DC>6	0 - -0.015



Designation		Feed (mm/tooth)	Dimension (mm)						Grade
			DC	OAL	APMX	LU	DN	DCONMS	TT5505
HSF	4060 090 150	0.067-0.100	6.0	60	9	15	5.9	6.0	●
	4060 090 200	0.067-0.100	6.0	80	9	20	5.9	6.0	●
	4060 090 300	0.067-0.100	6.0	100	9	30	5.9	6.0	●
	4080 120 200	0.090-0.120	8.0	65	12	20	7.9	8.0	●
	4080 120 300	0.090-0.120	8.0	80	12	30	7.9	8.0	●
	4080 120 400	0.090-0.120	8.0	100	12	40	7.9	8.0	●
	4100 150 250	0.117-0.130	10.0	70	15	25	9.9	10.0	●
	4100 150 350	0.117-0.130	10.0	80	15	35	9.9	10.0	●
	4100 150 450	0.117-0.130	10.0	100	15	45	9.9	10.0	●
	4120 180 300	0.126-0.168	12.0	80	18	30	11.9	12.0	●
	4120 180 400	0.126-0.168	12.0	100	18	40	11.9	12.0	●
	4120 180 500	0.126-0.168	12.0	120	18	50	11.9	12.0	●

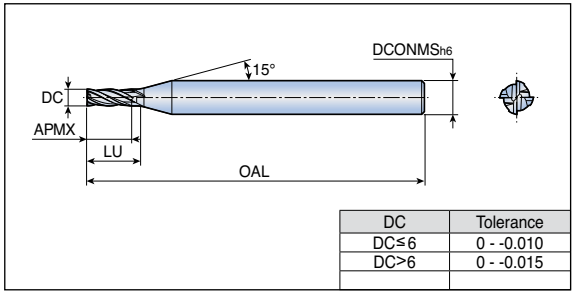
●: Standard items

HSF 4...M

HARDMILL

4 flute medium flat





DC	Tolerance
DC≤6	0 - -0.010
DC>6	0 - -0.015

4 | H·A 30° | Cutting Condition F130

Designation	Feed (mm/tooth)	Dimension (mm)					Grade
		DC	OAL	APMX	LU	DCONMS	TT5505
HSF 4010M 025	0.009-0.020	1.0	50	2.5	3	6.0	●
4012M 030	0.010-0.020	1.2	50	3.0	4	6.0	●
4015M 040	0.015-0.025	1.5	50	4.0	5	6.0	●
4020M 060	0.018-0.040	2.0	50	6.0	7	6.0	●
4025M 070	0.019-0.045	2.5	50	7.0	8.5	6.0	●
4030M 080	0.021-0.060	3.0	60	8.0	9.5	6.0	●
4035M 090	0.026-0.068	3.5	60	9.0	11	6.0	●
4040M 100	0.030-0.075	4.0	60	10.0	12	6.0	●
4050M 130	0.056-0.090	5.0	60	13.0	15.5	6.0	●
4070M 180	0.079-0.110	7.0	65	18.0	22	8.0	●
4090M 220	0.104-0.125	9.0	70	22.0	25	10.0	●
4110M 280	0.122-0.149	11.0	80	28.0	33	12.0	●

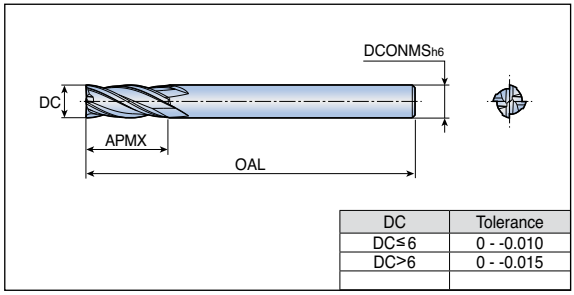
●: Standard items

HSF 4...M

HARDMILL

4 flute medium flat





DC	Tolerance
DC≤6	0 - -0.010
DC>6	0 - -0.015

4 | H·A 30° | Cutting Condition F130

Designation	Feed (mm/tooth)	Dimension (mm)				Grade
		DC	OAL	APMX	DCONMS	TT5505
HSF 4060M 150	0.067-0.100	6.0	60	15.0	6.0	●
4080M 200	0.090-0.120	8.0	65	20.0	8.0	●
4100M 250	0.117-0.130	10.0	70	25.0	10.0	●
4120M 300	0.126-0.168	12.0	80	30.0	12.0	●

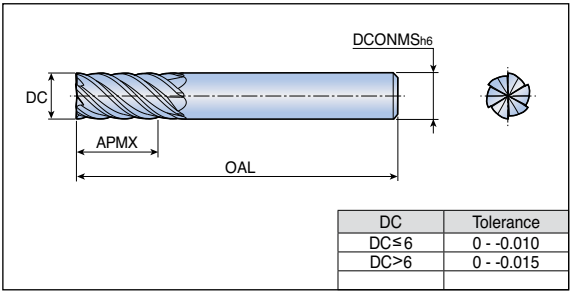
●: Standard items

HSF 6...M

HARDMILL

6 flute medium flat





DC	Tolerance
DC≤6	0 - -0.010
DC>6	0 - -0.015

• Finishing



Designation		Feed (mm/tooth)	Dimension (mm)				Grade
			DC	OAL	APMX	DCONMS	TT5505
HSF	6030M 080	0.010-0.030	3.0	50	8	6.0	●
	6040M 100	0.010-0.050	4.0	60	10	6.0	●
	6050M 150	0.020-0.050	5.0	60	15	6.0	●
	6060M 150	0.038-0.050	6.0	60	15	6.0	●
	6080M 200	0.045-0.060	8.0	65	20	8.0	●
	6100M 220	0.045-0.060	10.0	70	22	10.0	●
	6120M 260	0.053-0.070	12.0	80	26	12.0	●

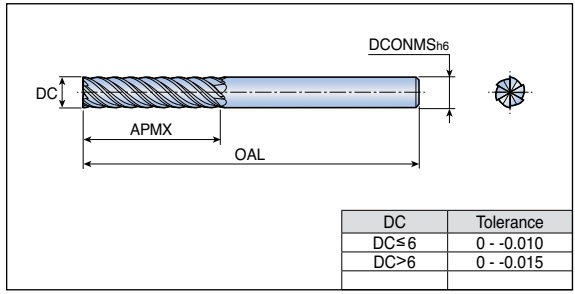
●: Standard items

HSF 6...XLT

HARDMILL

6 flute extra long flat





DC	Tolerance
DC≤6	0 - -0.010
DC>6	0 - -0.015

• Finishing



Designation		Feed (mm/tooth)	Dimension (mm)				Grade
			DC	OAL	APMX	DCONMS	TT5505
HSF	6050XLT 250	0.03-0.05	5.0	80	25	6.0	●
	6060XLT 250	0.03-0.05	6.0	80	25	6.0	●
	6080XLT 350	0.04-0.06	8.0	90	35	8.0	●
	6100XLT 450	0.04-0.06	10.0	100	45	10.0	●
	6120XLT 550	0.05-0.07	12.0	110	55	12.0	●

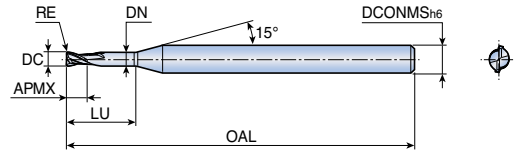
●: Standard items

HSR 2

HARDMILL

2 flute long neck corner radius





RE	±0.005

DC	Tolerance
DC≤6	0 - -0.010
DC>6	0 - -0.015

2 | H·A 30° | Cutting Condition F130

Designation		Feed (mm/tooth)	Dimension (mm)							Grade
			DC	RE	OAL	APMX	LU	DN	DCONMS	TT5505
HSR	2003 005 010	0.006-0.010	0.3	0.05	45	0.4	1.0	0.27	4.0	●
	2003 005 020	0.006-0.010	0.3	0.05	45	0.4	2.0	0.27	4.0	●
	2003 005 030	0.006-0.010	0.3	0.05	45	0.4	3.0	0.27	4.0	●
	2004 005 010	0.006-0.010	0.4	0.05	45	0.6	1.0	0.37	4.0	●
	2004 005 015	0.006-0.010	0.4	0.05	45	0.6	1.5	0.37	4.0	●
	2004 005 025	0.006-0.010	0.4	0.05	45	0.6	2.5	0.37	4.0	●
	2004 005 030	0.006-0.010	0.4	0.05	45	0.6	3.0	0.37	4.0	●
	2004 005 040	0.006-0.010	0.4	0.05	45	0.6	4.0	0.37	4.0	●
	2005 005 010	0.006-0.010	0.5	0.05	45	0.7	1.0	0.45	4.0	●
	2005 005 015	0.006-0.010	0.5	0.05	45	0.7	1.5	0.45	4.0	●
	2005 005 025	0.006-0.009	0.5	0.05	45	0.7	2.5	0.45	4.0	●
	2005 005 030	0.006-0.009	0.5	0.05	45	0.7	3.0	0.45	4.0	●
	2005 005 040	0.006-0.008	0.5	0.05	45	0.7	4.0	0.45	4.0	●
	2006 005 020	0.008-0.013	0.6	0.05	45	0.9	2.0	0.55	4.0	●
	2006 005 040	0.008-0.013	0.6	0.05	45	0.9	4.0	0.55	4.0	●
	2006 005 060	0.008-0.013	0.6	0.05	45	0.9	6.0	0.55	4.0	●
	2006 010 020	0.008-0.013	0.6	0.10	45	0.9	2.0	0.55	4.0	●
	2006 010 040	0.008-0.013	0.6	0.10	45	0.9	4.0	0.55	4.0	●
	2006 010 060	0.008-0.013	0.6	0.10	45	0.9	6.0	0.55	4.0	●
	2006 020 020	0.008-0.013	0.6	0.20	45	0.9	2.0	0.55	4.0	●
	2006 020 040	0.008-0.013	0.6	0.20	45	0.9	4.0	0.55	4.0	●
	2006 020 060	0.008-0.013	0.6	0.20	45	0.9	6.0	0.55	4.0	●
	2008 005 020	0.007-0.015	0.8	0.05	45	1.2	2.0	0.75	4.0	●
	2008 005 040	0.007-0.015	0.8	0.05	45	1.2	4.0	0.75	4.0	●
	2008 005 060	0.007-0.015	0.8	0.05	45	1.2	6.0	0.75	4.0	●
	2008 005 080	0.007-0.013	0.8	0.05	45	1.2	8.0	0.73	4.0	●
	2008 010 020	0.007-0.015	0.8	0.10	45	1.2	2.0	0.75	4.0	●
	2008 010 040	0.007-0.015	0.8	0.10	45	1.2	4.0	0.75	4.0	●
	2008 010 060	0.007-0.015	0.8	0.10	45	1.2	6.0	0.75	4.0	●
	2008 010 080	0.007-0.013	0.8	0.10	45	1.2	8.0	0.73	4.0	●
	2008 020 020	0.007-0.015	0.8	0.20	45	1.2	2.0	0.75	4.0	●
	2008 020 040	0.007-0.015	0.8	0.20	45	1.2	4.0	0.75	4.0	●
	2008 020 060	0.007-0.015	0.8	0.20	45	1.2	6.0	0.75	4.0	●
	2008 020 080	0.007-0.013	0.8	0.20	45	1.2	8.0	0.73	4.0	●

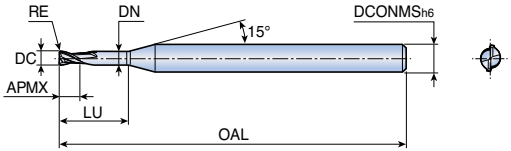
●: Standard items

HSR 2

HARDMILL

2 flute long neck corner radius





2 | H·A 30° | Cutting Condition F130

RE ±0.005

DC	Tolerance
DC≤6	0 - -0.010
DC>6	0 - -0.015

Designation	Feed (mm/tooth)	Dimension (mm)							Grade
		DC	RE	OAL	APMX	LU	DN	DCONMS	TT5505
HSR 2010 005 030	0.009-0.020	1.0	0.05	50	2.0	3	0.97	4.0	●
2010 005 040	0.009-0.020	1.0	0.05	50	2.0	4	0.97	4.0	●
2010 005 060	0.009-0.018	1.0	0.05	50	2.0	6	0.97	4.0	●
2010 005 080	0.009-0.018	1.0	0.05	50	2.0	8	0.95	4.0	●
2010 005 100	0.009-0.016	1.0	0.05	50	2.0	10	0.95	4.0	●
2010 010 030	0.009-0.020	1.0	0.10	50	2.0	3	0.97	4.0	●
2010 010 040	0.009-0.020	1.0	0.10	50	2.0	4	0.97	4.0	●
2010 010 060	0.009-0.018	1.0	0.10	50	2.0	6	0.97	4.0	●
2010 010 080	0.009-0.018	1.0	0.10	50	2.0	8	0.95	4.0	●
2010 010 100	0.009-0.016	1.0	0.10	50	2.0	10	0.95	4.0	●
2010 020 030	0.009-0.020	1.0	0.20	50	2.0	3	0.97	4.0	●
2010 020 040	0.009-0.020	1.0	0.20	50	2.0	4	0.97	4.0	●
2010 020 060	0.009-0.018	1.0	0.20	50	2.0	6	0.97	4.0	●
2010 020 080	0.009-0.018	1.0	0.20	50	2.0	8	0.95	4.0	●
2010 020 100	0.009-0.016	1.0	0.20	50	2.0	10	0.95	4.0	●
2010 030 030	0.009-0.020	1.0	0.30	50	2.0	3	0.97	4.0	●
2010 030 040	0.009-0.020	1.0	0.30	50	2.0	4	0.97	4.0	●
2010 030 060	0.009-0.018	1.0	0.30	50	2.0	6	0.97	4.0	●
2010 030 080	0.009-0.018	1.0	0.30	50	2.0	8	0.95	4.0	●
2010 030 100	0.009-0.016	1.0	0.30	50	2.0	10	0.95	4.0	●
2012 010 040	0.010-0.020	1.2	0.10	50	2.2	4	1.17	4.0	●
2012 010 060	0.010-0.020	1.2	0.10	50	2.2	6	1.17	4.0	●
2012 010 080	0.010-0.020	1.2	0.10	50	2.2	8	1.15	4.0	●
2012 010 100	0.010-0.019	1.2	0.10	50	2.2	10	1.15	4.0	●
2012 020 040	0.010-0.020	1.2	0.20	50	2.2	4	1.17	4.0	●
2012 020 060	0.010-0.020	1.2	0.20	50	2.2	6	1.17	4.0	●
2012 020 080	0.010-0.020	1.2	0.20	50	2.2	8	1.15	4.0	●
2012 020 100	0.010-0.019	1.2	0.20	50	2.2	10	1.15	4.0	●
2012 030 040	0.010-0.020	1.2	0.30	50	2.2	4	1.17	4.0	●
2012 030 060	0.010-0.020	1.2	0.30	50	2.2	6	1.17	4.0	●
2012 030 080	0.010-0.020	1.2	0.30	50	2.2	8	1.15	4.0	●
2012 030 100	0.010-0.019	1.2	0.30	50	2.2	10	1.15	4.0	●

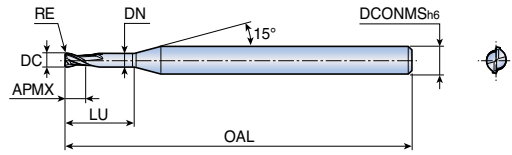
●: Standard items

HSR 2

HARDMILL

2 flute long neck corner radius





RE ±0.005

DC	Tolerance
DC≤6	0 - -0.010
DC>6	0 - -0.015

2 | H·A 30° | Cutting Condition F130

Designation	Feed (mm/tooth)	Dimension (mm)							Grade
		DC	RE	OAL	APMX	LU	DN	DCONMS	TT5505
HSR 2015 005 060	0.015-0.025	1.5	0.05	50	2.5	6	1.47	4.0	●
2015 005 080	0.015-0.025	1.5	0.05	50	2.5	8	1.45	4.0	●
2015 005 100	0.015-0.025	1.5	0.05	50	2.5	10	1.45	4.0	●
2015 005 120	0.013-0.025	1.5	0.05	50	2.5	12	1.43	4.0	●
2015 010 040	0.015-0.025	1.5	0.10	50	2.5	4	1.47	4.0	●
2015 010 060	0.015-0.025	1.5	0.10	50	2.5	6	1.47	4.0	●
2015 010 080	0.015-0.025	1.5	0.10	50	2.5	8	1.45	4.0	●
2015 010 100	0.015-0.025	1.5	0.10	50	2.5	10	1.45	4.0	●
2015 010 120	0.013-0.025	1.5	0.10	50	2.5	12	1.43	4.0	●
2015 020 040	0.015-0.025	1.5	0.20	50	2.5	4	1.47	4.0	●
2015 020 060	0.015-0.025	1.5	0.20	50	2.5	6	1.47	4.0	●
2015 020 080	0.015-0.025	1.5	0.20	50	2.5	8	1.45	4.0	●
2015 020 100	0.015-0.025	1.5	0.20	50	2.5	10	1.45	4.0	●
2015 020 120	0.013-0.025	1.5	0.20	50	2.5	12	1.43	4.0	●
2015 030 040	0.015-0.025	1.5	0.30	50	2.5	4	1.47	4.0	●
2015 030 060	0.015-0.025	1.5	0.30	50	2.5	6	1.47	4.0	●
2015 030 080	0.015-0.025	1.5	0.30	50	2.5	8	1.45	4.0	●
2015 030 100	0.015-0.025	1.5	0.30	50	2.5	10	1.45	4.0	●
2015 030 120	0.013-0.025	1.5	0.30	50	2.5	12	1.43	4.0	●
2015 050 040	0.015-0.025	1.5	0.50	50	2.5	4	1.47	4.0	●
2015 050 060	0.015-0.025	1.5	0.50	50	2.5	6	1.47	4.0	●
2015 050 080	0.015-0.025	1.5	0.50	50	2.5	8	1.45	4.0	●
2015 050 100	0.015-0.025	1.5	0.50	50	2.5	10	1.45	4.0	●
2015 050 120	0.013-0.025	1.5	0.50	50	2.5	12	1.43	4.0	●
2020 010 060	0.018-0.040	2.0	0.10	50	3.0	6	1.95	4.0	●
2020 010 080	0.018-0.040	2.0	0.10	50	3.0	8	1.95	4.0	●
2020 010 100	0.018-0.040	2.0	0.10	50	3.0	10	1.95	4.0	●
2020 010 120	0.016-0.025	2.0	0.10	50	3.0	12	1.93	4.0	●
2020 010 160	0.015-0.022	2.0	0.10	50	3.0	16	1.91	4.0	●
2020 010 200	0.013-0.019	2.0	0.10	50	3.0	20	1.91	4.0	●

●: Standard items

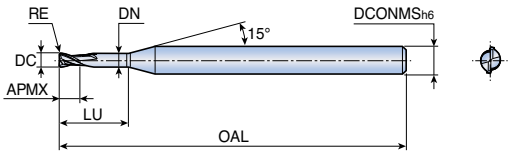
ADVANCE MACHINING
TaeguTec Industry 4.0

HSR 2

HARDMILL

2 flute long neck corner radius





2 | H·A 30° | Cutting Condition F130

RE ±0.005

DC	Tolerance
DC≤6	0 - -0.010
DC>6	0 - -0.015

Designation	Feed (mm/tooth)	Dimension (mm)							Grade
		DC	RE	OAL	APMX	LU	DN	DCONMS	TT5505
HSR 2020 020 060	0.018-0.040	2.0	0.2	50	3.0	6	1.95	4.0	●
2020 020 080	0.018-0.040	2.0	0.2	50	3.0	8	1.95	4.0	●
2020 020 100	0.018-0.040	2.0	0.2	50	3.0	10	1.95	4.0	●
2020 020 120	0.016-0.025	2.0	0.2	50	3.0	12	1.93	4.0	●
2020 020 160	0.015-0.022	2.0	0.2	50	3.0	16	1.91	4.0	●
2020 020 200	0.013-0.019	2.0	0.2	50	3.0	20	1.91	4.0	●
2020 030 060	0.018-0.040	2.0	0.3	50	3.0	6	1.95	4.0	●
2020 030 080	0.018-0.040	2.0	0.3	50	3.0	8	1.95	4.0	●
2020 030 100	0.018-0.040	2.0	0.3	50	3.0	10	1.95	4.0	●
2020 030 120	0.016-0.025	2.0	0.3	50	3.0	12	1.93	4.0	●
2020 030 160	0.015-0.022	2.0	0.3	50	3.0	16	1.91	4.0	●
2020 030 200	0.013-0.019	2.0	0.3	50	3.0	20	1.91	4.0	●
2020 050 060	0.018-0.040	2.0	0.5	50	3.0	6	1.95	4.0	●
2020 050 080	0.018-0.040	2.0	0.5	50	3.0	8	1.95	4.0	●
2020 050 100	0.018-0.040	2.0	0.5	50	3.0	10	1.95	4.0	●
2020 050 120	0.016-0.025	2.0	0.5	50	3.0	12	1.93	4.0	●
2020 050 160	0.015-0.022	2.0	0.5	50	3.0	16	1.91	4.0	●
2020 050 200	0.013-0.019	2.0	0.5	50	3.0	20	1.91	4.0	●
2025 020 080	0.019-0.045	2.5	0.2	55	3.5	8	2.4	4.0	●
2025 020 100	0.019-0.045	2.5	0.2	55	3.5	10	2.4	4.0	●
2025 020 120	0.017-0.040	2.5	0.2	55	3.5	12	2.4	4.0	●
2025 020 160	0.015-0.030	2.5	0.2	55	3.5	16	2.4	4.0	●
2025 030 080	0.019-0.045	2.5	0.3	55	3.5	8	2.4	4.0	●
2025 030 100	0.019-0.045	2.5	0.3	55	3.5	10	2.4	4.0	●
2025 030 120	0.017-0.040	2.5	0.3	55	3.5	12	2.4	4.0	●
2025 030 160	0.015-0.030	2.5	0.3	55	3.5	16	2.4	4.0	●
2025 050 080	0.019-0.045	2.5	0.5	55	3.5	8	2.4	4.0	●
2025 050 100	0.019-0.045	2.5	0.5	55	3.5	10	2.4	4.0	●
2025 050 120	0.017-0.040	2.5	0.5	55	3.5	12	2.4	4.0	●
2025 050 160	0.015-0.030	2.5	0.5	55	3.5	16	2.4	4.0	●

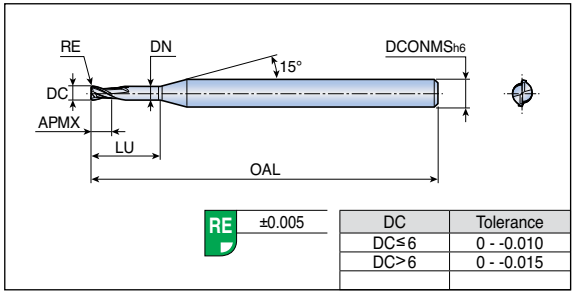
●: Standard items

HSR 2

HARDMILL

2 flute long neck corner radius





RE	±0.005

DC	Tolerance
DC≤6	0 - -0.010
DC>6	0 - -0.015

2 | H·A 30° | Cutting Condition F130

Designation	Feed (mm/tooth)	Dimension (mm)							Grade
		DC	RE	OAL	APMX	LU	DN	DCONMS	TT5505
HSR 2030 010 080	0.021-0.060	3.0	0.1	55	4.5	8	2.85	6.0	●
2030 010 100	0.021-0.060	3.0	0.1	55	4.5	10	2.85	6.0	●
2030 010 120	0.018-0.050	3.0	0.1	55	4.5	12	2.85	6.0	●
2030 010 160	0.018-0.045	3.0	0.1	55	4.5	16	2.85	6.0	●
2030 010 200	0.015-0.040	3.0	0.1	60	4.5	20	2.85	6.0	●
2030 010 250	0.015-0.040	3.0	0.1	60	4.5	25	2.85	6.0	●
2030 020 080	0.021-0.060	3.0	0.2	55	4.5	8	2.85	6.0	●
2030 020 100	0.021-0.060	3.0	0.2	55	4.5	10	2.85	6.0	●
2030 020 120	0.018-0.050	3.0	0.2	55	4.5	12	2.85	6.0	●
2030 020 160	0.018-0.045	3.0	0.2	55	4.5	16	2.85	6.0	●
2030 020 200	0.015-0.040	3.0	0.2	60	4.5	20	2.85	6.0	●
2030 020 250	0.015-0.040	3.0	0.2	60	4.5	25	2.85	6.0	●
2030 030 080	0.021-0.060	3.0	0.3	55	4.5	8	2.85	6.0	●
2030 030 100	0.021-0.060	3.0	0.3	55	4.5	10	2.85	6.0	●
2030 030 120	0.018-0.050	3.0	0.3	55	4.5	12	2.85	6.0	●
2030 030 160	0.018-0.045	3.0	0.3	55	4.5	16	2.85	6.0	●
2030 030 200	0.015-0.040	3.0	0.3	60	4.5	20	2.85	6.0	●
2030 030 250	0.015-0.040	3.0	0.3	60	4.5	25	2.85	6.0	●
2030 050 080	0.021-0.060	3.0	0.5	55	4.5	8	2.85	6.0	●
2030 050 100	0.021-0.060	3.0	0.5	55	4.5	10	2.85	6.0	●
2030 050 120	0.018-0.050	3.0	0.5	55	4.5	12	2.85	6.0	●
2030 050 160	0.018-0.045	3.0	0.5	55	4.5	16	2.85	6.0	●
2030 050 200	0.015-0.040	3.0	0.5	60	4.5	20	2.85	6.0	●
2030 050 250	0.015-0.040	3.0	0.5	60	4.5	25	2.85	6.0	●
2030 100 080	0.021-0.060	3.0	1.0	55	4.5	8	2.85	6.0	●
2030 100 100	0.021-0.060	3.0	1.0	55	4.5	10	2.85	6.0	●
2030 100 120	0.018-0.050	3.0	1.0	55	4.5	12	2.85	6.0	●
2030 100 160	0.018-0.045	3.0	1.0	55	4.5	16	2.85	6.0	●
2030 100 200	0.015-0.040	3.0	1.0	60	4.5	20	2.85	6.0	●

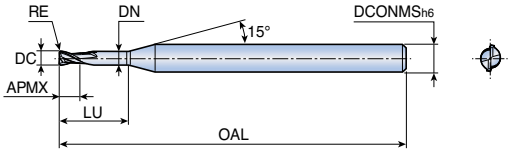
●: Standard items

HSR 2

HARDMILL

2 flute long neck corner radius





2 | H·A 30° | Cutting Condition F130

RE ±0.005

DC	Tolerance
DC≤6	0 - -0.010
DC>6	0 - -0.015

Designation	Feed (mm/tooth)	Dimension (mm)							Grade
		DC	RE	OAL	APMX	LU	DN	DCONMS	TT5505
HSR 2040 010 100	0.030-0.075	4.0	0.1	55	6.0	10	3.9	6.0	●
2040 010 120	0.030-0.075	4.0	0.1	55	6.0	12	3.9	6.0	●
2040 010 160	0.030-0.075	4.0	0.1	55	6.0	16	3.9	6.0	●
2040 010 200	0.030-0.070	4.0	0.1	60	6.0	20	3.9	6.0	●
2040 010 250	0.030-0.070	4.0	0.1	60	6.0	25	3.9	6.0	●
2040 010 300	0.030-0.070	4.0	0.1	70	6.0	30	3.9	6.0	●
2040 020 100	0.030-0.075	4.0	0.2	55	6.0	10	3.9	6.0	●
2040 020 120	0.030-0.075	4.0	0.2	55	6.0	12	3.9	6.0	●
2040 020 160	0.030-0.075	4.0	0.2	55	6.0	16	3.9	6.0	●
2040 020 200	0.030-0.070	4.0	0.2	60	6.0	20	3.9	6.0	●
2040 020 250	0.030-0.070	4.0	0.2	60	6.0	25	3.9	6.0	●
2040 020 300	0.030-0.070	4.0	0.2	70	6.0	30	3.9	6.0	●
2040 030 100	0.030-0.075	4.0	0.3	55	6.0	10	3.9	6.0	●
2040 030 120	0.030-0.075	4.0	0.3	55	6.0	12	3.9	6.0	●
2040 030 160	0.030-0.075	4.0	0.3	55	6.0	16	3.9	6.0	●
2040 030 200	0.030-0.070	4.0	0.3	60	6.0	20	3.9	6.0	●
2040 030 250	0.030-0.070	4.0	0.3	60	6.0	25	3.9	6.0	●
2040 030 300	0.030-0.070	4.0	0.3	70	6.0	30	3.9	6.0	●
2040 050 100	0.030-0.075	4.0	0.5	55	6.0	10	3.9	6.0	●
2040 050 120	0.030-0.075	4.0	0.5	55	6.0	12	3.9	6.0	●
2040 050 160	0.030-0.075	4.0	0.5	55	6.0	16	3.9	6.0	●
2040 050 200	0.030-0.070	4.0	0.5	60	6.0	20	3.9	6.0	●
2040 050 250	0.030-0.070	4.0	0.5	60	6.0	25	3.9	6.0	●
2040 050 300	0.030-0.070	4.0	0.5	70	6.0	30	3.9	6.0	●
2040 100 100	0.030-0.075	4.0	1.0	55	6.0	10	3.9	6.0	●
2040 100 120	0.030-0.075	4.0	1.0	55	6.0	12	3.9	6.0	●
2040 100 160	0.030-0.075	4.0	1.0	55	6.0	16	3.9	6.0	●
2040 100 200	0.030-0.070	4.0	1.0	60	6.0	20	3.9	6.0	●
2040 100 250	0.030-0.070	4.0	1.0	60	6.0	25	3.9	6.0	●

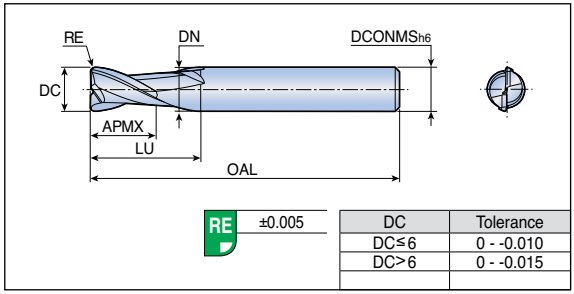
●: Standard items

HSR 2

HARDMILL

2 flute long neck corner radius





RE ±0.005

DC	Tolerance
DC≤6	0 - -0.010
DC>6	0 - -0.015

Designation		Feed (mm/tooth)	Dimension (mm)							Grade
			DC	RE	OAL	APMX	LU	DN	DCONMS	TT5505
HSR	2060 020 150	0.067-0.100	6.0	0.2	60	9	15	5.9	6.0	●
	2060 030 150	0.067-0.100	6.0	0.3	60	9	15	5.9	6.0	●
	2060 030 200	0.067-0.100	6.0	0.3	60	9	20	5.9	6.0	●
	2060 050 150	0.067-0.100	6.0	0.5	60	9	15	5.9	6.0	●
	2060 050 200	0.067-0.100	6.0	0.5	60	9	20	5.9	6.0	●
	2060 100 150	0.067-0.100	6.0	1.0	60	9	15	5.9	6.0	●
	2060 100 200	0.067-0.100	6.0	1.0	60	9	20	5.9	6.0	●
	2060 150 150	0.067-0.100	6.0	1.5	60	9	15	5.9	6.0	●
	2060 200 150	0.067-0.100	6.0	2.0	60	9	15	5.9	6.0	●
	2080 020 200	0.090-0.120	8.0	0.2	65	12	20	7.9	8.0	●
	2080 030 200	0.090-0.120	8.0	0.3	65	12	20	7.9	8.0	●
	2080 050 200	0.090-0.120	8.0	0.5	65	12	20	7.9	8.0	●
	2080 100 200	0.090-0.120	8.0	1.0	65	12	20	7.9	8.0	●
	2080 150 200	0.090-0.120	8.0	1.5	65	12	20	7.9	8.0	●
	2100 020 250	0.117-0.130	10.0	0.2	75	15	25	9.9	10.0	●
	2100 030 250	0.117-0.130	10.0	0.3	75	15	25	9.9	10.0	●
	2100 050 250	0.117-0.130	10.0	0.5	75	15	25	9.9	10.0	●
	2100 100 250	0.117-0.130	10.0	1.0	75	15	25	9.9	10.0	●
	2100 150 250	0.117-0.130	10.0	1.5	75	15	25	9.9	10.0	●
	2100 200 250	0.117-0.130	10.0	2.0	75	15	25	9.9	10.0	●
	2120 030 280	0.126-0.168	12.0	0.3	85	18	28	11.9	12.0	●
	2120 050 280	0.126-0.168	12.0	0.5	85	18	28	11.9	12.0	●
	2120 100 280	0.126-0.168	12.0	1.0	85	18	28	11.9	12.0	●
	2120 150 280	0.126-0.168	12.0	1.5	85	18	28	11.9	12.0	●
	2120 200 280	0.126-0.168	12.0	2.0	85	18	28	11.9	12.0	●

●: Standard items

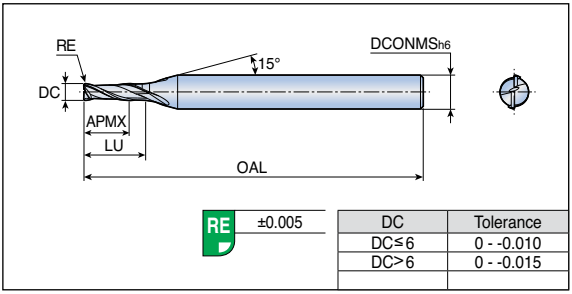
ADVANCE MACHINING
TaeguTec Industry 4.0

HSR 2...M

HARDMILL

2 flute medium corner radius





RE	±0.005

DC	Tolerance
DC≤6	0 - -0.010
DC>6	0 - -0.015

Designation	Feed (mm/tooth)	Dimension (mm)						Grade
		DC	RE	OAL	APMX	LU	DCONMS	TT5505
HSR 2003M 002	0.006-0.010	0.3	0.02	45	0.6	0.9	4.0	●
2003M 005	0.006-0.010	0.3	0.05	45	0.6	0.9	4.0	●
2004M 005	0.006-0.010	0.4	0.05	45	0.8	1.1	4.0	●
2004M 010	0.006-0.010	0.4	0.10	45	0.8	1.1	4.0	●
2005M 005	0.006-0.010	0.5	0.05	45	1.0	1.3	4.0	●
2005M 010	0.006-0.010	0.5	0.10	45	1.0	1.3	4.0	●
2006M 005	0.008-0.013	0.6	0.05	45	1.2	1.5	4.0	●
2006M 010	0.008-0.013	0.6	0.10	45	1.2	1.5	4.0	●
2006M 020	0.008-0.013	0.6	0.20	45	1.2	1.5	4.0	●
2008M 005	0.007-0.015	0.8	0.05	45	1.6	2	4.0	●
2008M 010	0.007-0.015	0.8	0.10	45	1.6	2	4.0	●
2008M 020	0.007-0.015	0.8	0.20	45	1.6	2	4.0	●
2010M 005	0.009-0.020	1.0	0.05	50	2.0	3.5	6.0	●
2010M 010	0.009-0.020	1.0	0.10	50	2.0	3.5	6.0	●
2010M 020	0.009-0.020	1.0	0.20	50	2.0	3.5	6.0	●
2010M 030	0.009-0.020	1.0	0.30	50	2.0	3.5	6.0	●
2012M 005	0.010-0.020	1.2	0.05	50	2.5	4	6.0	●
2012M 010	0.010-0.020	1.2	0.10	50	2.5	4	6.0	●
2012M 020	0.010-0.020	1.2	0.20	50	2.5	4	6.0	●
2012M 030	0.010-0.020	1.2	0.30	50	2.5	4	6.0	●
2015M 005	0.015-0.025	1.5	0.05	50	3.0	5	6.0	●
2015M 010	0.015-0.025	1.5	0.10	50	3.0	5	6.0	●
2015M 020	0.015-0.025	1.5	0.20	50	3.0	5	6.0	●
2015M 030	0.015-0.025	1.5	0.30	50	3.0	5	6.0	●
2020M 010	0.018-0.040	2.0	0.10	50	5.0	7	6.0	●
2020M 020	0.018-0.040	2.0	0.20	50	5.0	7	6.0	●
2020M 030	0.018-0.040	2.0	0.30	50	5.0	7	6.0	●
2020M 040	0.018-0.040	2.0	0.40	50	5.0	7	6.0	●
2020M 050	0.018-0.040	2.0	0.50	50	5.0	7	6.0	●
2025M 010	0.019-0.045	2.5	0.10	60	7.0	9	6.0	●
2025M 020	0.019-0.045	2.5	0.20	60	7.0	9	6.0	●
2025M 030	0.019-0.045	2.5	0.30	60	7.0	9	6.0	●
2025M 050	0.019-0.045	2.5	0.50	60	7.0	9	6.0	●

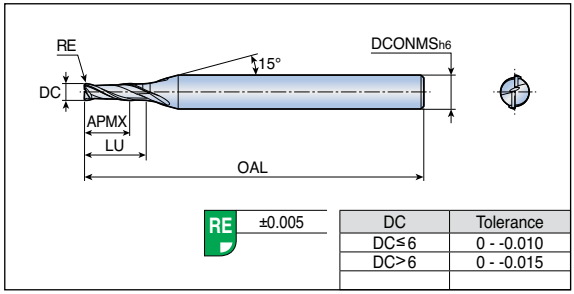
●: Standard items

HSR 2...M

HARDMILL

2 flute medium corner radius





2 | H·A 30° | Cutting Condition F130

RE ±0.005

DC	Tolerance
DC≤6	0 - -0.010
DC>6	0 - -0.015

Designation	Feed (mm/tooth)	Dimension (mm)						Grade
		DC	RE	OAL	APMX	LU	DCONMS	TT5505
HSR 2030M 010	0.021-0.06	3.0	0.1	60	8.0	10	6.0	●
2030M 020	0.021-0.06	3.0	0.2	60	8.0	10	6.0	●
2030M 030	0.021-0.06	3.0	0.3	60	8.0	10	6.0	●
2030M 050	0.021-0.06	3.0	0.5	60	8.0	10	6.0	●
2040M 010	0.03-0.075	4.0	0.1	70	10.0	13	6.0	●
2040M 020	0.03-0.075	4.0	0.2	70	10.0	13	6.0	●
2040M 030	0.03-0.075	4.0	0.3	70	10.0	13	6.0	●
2040M 050	0.03-0.075	4.0	0.5	70	10.0	13	6.0	●
2040M 100	0.03-0.075	4.0	1.0	70	10.0	13	6.0	●

●: Standard items

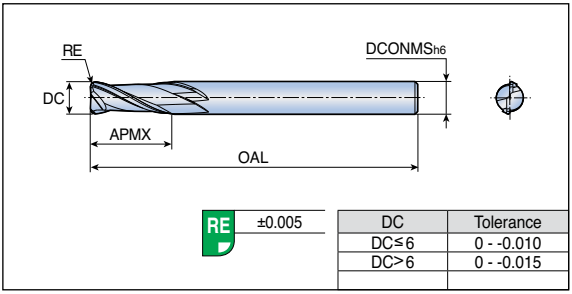
ADVANCE MACHINING TaeguTec Industry 4.0

HSR 2...M

HARDMILL

2 flute medium corner radius





2 | H·A 30° | Cutting Condition F130

RE ±0.005

DC	Tolerance
DC≤6	0 - -0.010
DC>6	0 - -0.015

Designation	Feed (mm/tooth)	Dimension (mm)					Grade
		DC	RE	OAL	APMX	DCONMS	TT5505
HSR 2060M 020	0.067-0.100	6.0	0.2	90	15.0	6.0	●
2060M 030	0.067-0.100	6.0	0.3	90	15.0	6.0	●
2060M 050	0.067-0.100	6.0	0.5	90	15.0	6.0	●
2060M 100	0.067-0.100	6.0	1.0	90	15.0	6.0	●
2080M 010	0.090-0.120	8.0	0.1	100	20.0	8.0	●
2080M 020	0.090-0.120	8.0	0.2	100	20.0	8.0	●
2080M 030	0.090-0.120	8.0	0.3	100	20.0	8.0	●
2080M 050	0.090-0.120	8.0	0.5	100	20.0	8.0	●
2080M 100	0.090-0.120	8.0	1.0	100	20.0	8.0	●
2080M 200	0.090-0.120	8.0	2.0	100	20.0	8.0	●
2100M 020	0.117-0.130	10.0	0.2	100	25.0	10.0	●
2100M 030	0.117-0.130	10.0	0.3	100	25.0	10.0	●
2100M 050	0.117-0.130	10.0	0.5	100	25.0	10.0	●
2100M 100	0.117-0.130	10.0	1.0	100	25.0	10.0	●
2100M 200	0.117-0.130	10.0	2.0	100	25.0	10.0	●
2120M 020	0.126-0.168	12.0	0.2	110	30.0	12.0	●
2120M 030	0.126-0.168	12.0	0.3	110	30.0	12.0	●
2120M 050	0.126-0.168	12.0	0.5	110	30.0	12.0	●
2120M 100	0.126-0.168	12.0	1.0	110	30.0	12.0	●
2120M 200	0.126-0.168	12.0	2.0	110	30.0	12.0	●

●: Standard items

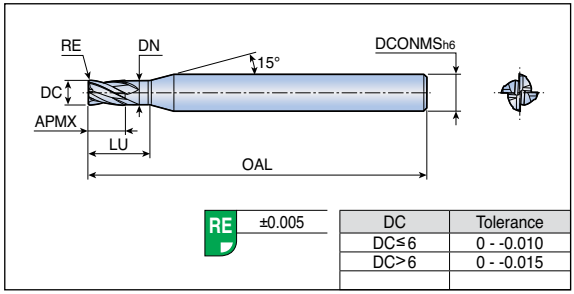
TaeguTec

HSR 4

HARDMILL

4 flute long neck corner radius





4 | H·A 30° | Cutting Condition F130

RE ±0.005

DC	Tolerance
DC≤6	0 - -0.010
DC>6	0 - -0.015

Designation		Feed (mm/tooth)	Dimension (mm)							Grade
			DC	RE	OAL	APMX	LU	DN	DCONMS	TT5505
HSR	4010 010 030	0.009-0.020	1.0	0.1	50	2.0	3	0.97	4.0	●
	4010 010 040	0.009-0.020	1.0	0.1	50	2.0	4	0.97	4.0	●
	4010 010 060	0.009-0.018	1.0	0.1	50	2.0	6	0.97	4.0	●
	4010 020 030	0.009-0.020	1.0	0.2	50	2.0	3	0.97	4.0	●
	4010 020 040	0.009-0.020	1.0	0.2	50	2.0	4	0.97	4.0	●
	4010 020 060	0.009-0.018	1.0	0.2	50	2.0	6	0.97	4.0	●
	4010 030 030	0.009-0.020	1.0	0.3	50	2.0	3	0.97	4.0	●
	4010 030 040	0.009-0.020	1.0	0.3	50	2.0	4	0.97	4.0	●
	4010 030 060	0.009-0.018	1.0	0.3	50	2.0	6	0.97	4.0	●
	4015 010 040	0.015-0.025	1.5	0.1	50	2.5	4	1.45	4.0	●
	4015 010 060	0.015-0.025	1.5	0.1	50	2.5	6	1.45	4.0	●
	4015 020 040	0.015-0.025	1.5	0.2	50	2.5	4	1.45	4.0	●
	4015 020 060	0.015-0.025	1.5	0.2	50	2.5	6	1.45	4.0	●
	4015 030 040	0.015-0.025	1.5	0.3	50	2.5	4	1.45	4.0	●
	4015 030 060	0.015-0.025	1.5	0.3	50	2.5	6	1.45	4.0	●
	4020 010 060	0.018-0.040	2.0	0.1	50	3.0	6	1.95	4.0	●
	4020 010 080	0.018-0.040	2.0	0.1	50	3.0	8	1.95	4.0	●
	4020 010 100	0.018-0.040	2.0	0.1	50	3.0	10	1.95	4.0	●
	4020 010 120	0.016-0.025	2.0	0.1	50	3.0	12	1.95	4.0	●
	4020 010 160	0.015-0.022	2.0	0.1	50	3.0	16	1.95	4.0	●
	4020 020 060	0.018-0.040	2.0	0.2	50	3.0	6	1.95	4.0	●
	4020 020 080	0.018-0.040	2.0	0.2	50	3.0	8	1.95	4.0	●
	4020 020 100	0.018-0.040	2.0	0.2	50	3.0	10	1.95	4.0	●
	4020 020 120	0.016-0.025	2.0	0.2	50	3.0	12	1.95	4.0	●
	4020 020 160	0.015-0.022	2.0	0.2	50	3.0	16	1.95	4.0	●
	4020 030 060	0.018-0.040	2.0	0.3	50	3.0	6	1.95	4.0	●
	4020 030 080	0.018-0.040	2.0	0.3	50	3.0	8	1.95	4.0	●
	4020 030 100	0.018-0.040	2.0	0.3	50	3.0	10	1.95	4.0	●
	4020 030 120	0.016-0.025	2.0	0.3	50	3.0	12	1.95	4.0	●
	4020 030 160	0.015-0.022	2.0	0.3	50	3.0	16	1.95	4.0	●
	4020 050 060	0.018-0.040	2.0	0.5	50	3.0	6	1.95	4.0	●
	4020 050 080	0.018-0.040	2.0	0.5	50	3.0	8	1.95	4.0	●
	4020 050 100	0.018-0.040	2.0	0.5	50	3.0	10	1.95	4.0	●
	4020 050 120	0.016-0.025	2.0	0.5	50	3.0	12	1.95	4.0	●
	4020 050 160	0.015-0.022	2.0	0.5	50	3.0	16	1.95	4.0	●

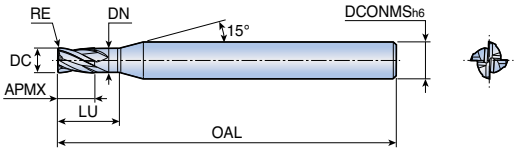
●: Standard items

HSR 4

HARDMILL

4 flute long neck corner radius





4 | H·A 30° | Cutting Condition F130

RE ±0.005

DC	Tolerance
DC≤6	0 - -0.010
DC>6	0 - -0.015

Designation	Feed (mm/tooth)	Dimension (mm)							Grade
		DC	RE	OAL	APMX	LU	DN	DCONMS	TT5505
HSR 4030 010 080	0.021-0.060	3.0	0.1	55	4	8	2.85	6.0	●
4030 010 100	0.021-0.060	3.0	0.1	55	4	10	2.85	6.0	●
4030 010 120	0.018-0.050	3.0	0.1	55	4	12	2.85	6.0	●
4030 010 160	0.018-0.045	3.0	0.1	55	4	16	2.85	6.0	●
4030 010 200	0.015-0.040	3.0	0.1	60	4	20	2.85	6.0	●
4030 010 250	0.015-0.040	3.0	0.1	60	4	25	2.85	6.0	●
4030 020 080	0.021-0.060	3.0	0.2	55	4	8	2.85	6.0	●
4030 020 100	0.021-0.060	3.0	0.2	55	4	10	2.85	6.0	●
4030 020 120	0.018-0.050	3.0	0.2	55	4	12	2.85	6.0	●
4030 020 160	0.018-0.045	3.0	0.2	55	4	16	2.85	6.0	●
4030 020 200	0.015-0.040	3.0	0.2	60	4	20	2.85	6.0	●
4030 020 250	0.015-0.040	3.0	0.2	60	4	25	2.85	6.0	●
4030 030 080	0.021-0.060	3.0	0.3	55	4	8	2.85	6.0	●
4030 030 100	0.021-0.060	3.0	0.3	55	4	10	2.85	6.0	●
4030 030 120	0.018-0.050	3.0	0.3	55	4	12	2.85	6.0	●
4030 030 160	0.018-0.045	3.0	0.3	55	4	16	2.85	6.0	●
4030 030 200	0.015-0.040	3.0	0.3	60	4	20	2.85	6.0	●
4030 030 250	0.015-0.040	3.0	0.3	60	4	25	2.85	6.0	●
4030 050 080	0.021-0.060	3.0	0.5	55	4	8	2.85	6.0	●
4030 050 100	0.021-0.060	3.0	0.5	55	4	10	2.85	6.0	●
4030 050 120	0.018-0.050	3.0	0.5	55	4	12	2.85	6.0	●
4030 050 160	0.018-0.045	3.0	0.5	55	4	16	2.85	6.0	●
4030 050 200	0.015-0.040	3.0	0.5	60	4	20	2.85	6.0	●
4030 050 250	0.015-0.040	3.0	0.5	60	4	25	2.85	6.0	●
4030 100 080	0.021-0.060	3.0	1.0	55	4	8	2.85	6.0	●
4030 100 100	0.021-0.060	3.0	1.0	55	4	10	2.85	6.0	●
4030 100 120	0.018-0.050	3.0	1.0	55	4	12	2.85	6.0	●
4030 100 160	0.018-0.045	3.0	1.0	55	4	16	2.85	6.0	●
4030 100 200	0.015-0.040	3.0	1.0	60	4	20	2.85	6.0	●

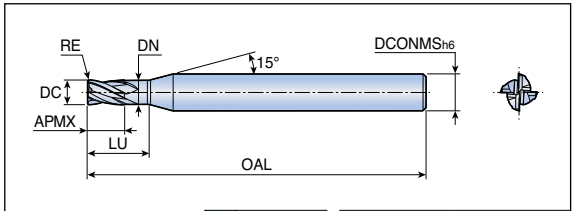
●: Standard items

HSR 4

HARDMILL

4 flute long neck corner radius





4 | H·A 30° | Cutting Condition F130

RE ±0.005

DC	Tolerance
DC≤6	0 - -0.010
DC>6	0 - -0.015

Designation		Feed (mm/tooth)	Dimension (mm)							Grade
			DC	RE	OAL	APMX	LU	DN	DCONMS	TT5505
HSR	4040 010 100	0.030-0.075	4.0	0.1	55	6	10	3.9	6.0	●
	4040 010 120	0.030-0.075	4.0	0.1	55	6	12	3.9	6.0	●
	4040 010 160	0.030-0.075	4.0	0.1	55	6	16	3.9	6.0	●
	4040 010 200	0.030-0.070	4.0	0.1	60	6	20	3.9	6.0	●
	4040 010 250	0.030-0.070	4.0	0.1	60	6	25	3.9	6.0	●
	4040 010 300	0.030-0.070	4.0	0.1	70	6	30	3.9	6.0	●
	4040 020 100	0.030-0.075	4.0	0.2	55	6	10	3.9	6.0	●
	4040 020 120	0.030-0.075	4.0	0.2	55	6	12	3.9	6.0	●
	4040 020 160	0.030-0.075	4.0	0.2	55	6	16	3.9	6.0	●
	4040 020 200	0.030-0.070	4.0	0.2	60	6	20	3.9	6.0	●
	4040 020 250	0.030-0.070	4.0	0.2	60	6	25	3.9	6.0	●
	4040 020 300	0.030-0.070	4.0	0.2	70	6	30	3.9	6.0	●
	4040 030 100	0.030-0.075	4.0	0.3	55	6	10	3.9	6.0	●
	4040 030 120	0.030-0.075	4.0	0.3	55	6	12	3.9	6.0	●
	4040 030 160	0.030-0.075	4.0	0.3	55	6	16	3.9	6.0	●
	4040 030 200	0.030-0.070	4.0	0.3	60	6	20	3.9	6.0	●
	4040 030 250	0.030-0.070	4.0	0.3	60	6	25	3.9	6.0	●
	4040 030 300	0.030-0.070	4.0	0.3	70	6	30	3.9	6.0	●
	4040 050 100	0.030-0.075	4.0	0.5	55	6	10	3.9	6.0	●
	4040 050 120	0.030-0.075	4.0	0.5	55	6	12	3.9	6.0	●
	4040 050 160	0.030-0.075	4.0	0.5	55	6	16	3.9	6.0	●
	4040 050 200	0.030-0.070	4.0	0.5	60	6	20	3.9	6.0	●
	4040 050 250	0.030-0.070	4.0	0.5	60	6	25	3.9	6.0	●
	4040 050 300	0.030-0.070	4.0	0.5	70	6	30	3.9	6.0	●
	4040 100 100	0.030-0.075	4.0	1.0	55	6	10	3.9	6.0	●
	4040 100 120	0.030-0.075	4.0	1.0	55	6	12	3.9	6.0	●
	4040 100 160	0.030-0.075	4.0	1.0	55	6	16	3.9	6.0	●
	4040 100 200	0.030-0.070	4.0	1.0	60	6	20	3.9	6.0	●
	4040 100 250	0.030-0.070	4.0	1.0	60	6	25	3.9	6.0	●

●: Standard items

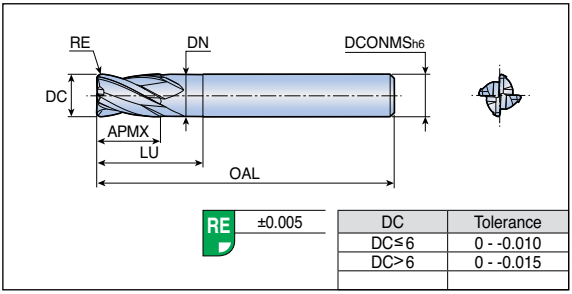
ADVANCE MACHINING
TaeguTec Industry 4.0

HSR 4

HARDMILL

4 flute long neck corner radius





RE	±0.005

DC	Tolerance
DC≤6	0 - -0.010
DC>6	0 - -0.015



Designation	Feed (mm/tooth)	Dimension (mm)							Grade
		DC	RE	OAL	APMX	LU	DN	DCONMS	TT5505
HSR 4060 020 150	0.067-0.100	6.0	0.2	60	9	15	5.9	6.0	●
4060 030 150	0.067-0.100	6.0	0.3	60	9	15	5.9	6.0	●
4060 050 150	0.067-0.100	6.0	0.5	60	9	15	5.9	6.0	●
4060 100 150	0.067-0.100	6.0	1.0	60	9	15	5.9	6.0	●
4060 150 150	0.067-0.100	6.0	1.5	60	9	15	5.9	6.0	●
4060 200 150	0.067-0.100	6.0	2.0	60	9	15	5.9	6.0	●
4080 020 200	0.090-0.120	8.0	0.2	70	12	20	7.9	8.0	●
4080 030 200	0.090-0.120	8.0	0.3	70	12	20	7.9	8.0	●
4080 050 200	0.090-0.120	8.0	0.5	70	12	20	7.9	8.0	●
4080 100 200	0.090-0.120	8.0	1.0	70	12	20	7.9	8.0	●
4080 150 200	0.090-0.120	8.0	1.5	70	12	20	7.9	8.0	●
4080 200 200	0.090-0.120	8.0	2.0	70	12	20	7.9	8.0	●
4100 020 250	0.117-0.130	10.0	0.2	75	15	25	9.9	10.0	●
4100 030 250	0.117-0.130	10.0	0.3	75	15	25	9.9	10.0	●
4100 050 250	0.117-0.130	10.0	0.5	75	15	25	9.9	10.0	●
4100 100 250	0.117-0.130	10.0	1.0	75	15	25	9.9	10.0	●
4100 150 250	0.117-0.130	10.0	1.5	75	15	25	9.9	10.0	●
4100 200 250	0.117-0.130	10.0	2.0	75	15	25	9.9	10.0	●
4120 030 300	0.126-0.168	12.0	0.3	85	18	30	11.9	12.0	●
4120 050 300	0.126-0.168	12.0	0.5	85	18	30	11.9	12.0	●
4120 100 300	0.126-0.168	12.0	1.0	85	18	30	11.9	12.0	●
4120 150 300	0.126-0.168	12.0	1.5	85	18	30	11.9	12.0	●
4120 200 300	0.126-0.168	12.0	2.0	85	18	30	11.9	12.0	●

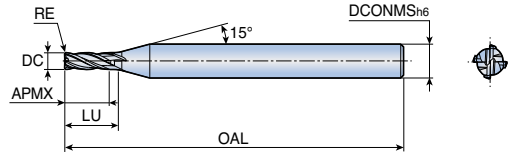
●: Standard items

HSR 4...M

HARDMILL

4 flute medium corner radius





RE	±0.005

DC	Tolerance
DC≤6	0 - -0.010
DC>6	0 - -0.015

4 | H·A 30° | Cutting Condition F130

Designation		Feed (mm/tooth)	Dimension (mm)						Grade
			DC	RE	OAL	APMX	LU	DCONMS	TT5505
HSR	4010M 005	0.009-0.020	1.0	0.05	50	2.0	2.5	6.0	●
	4010M 010	0.009-0.020	1.0	0.1	50	2.0	2.5	6.0	●
	4010M 020	0.009-0.020	1.0	0.2	50	2.0	2.5	6.0	●
	4010M 030	0.009-0.020	1.0	0.3	50	2.0	2.5	6.0	●
	4012M 005	0.010-0.020	1.2	0.05	50	2.5	3	6.0	●
	4012M 010	0.010-0.020	1.2	0.1	50	2.5	3	6.0	●
	4012M 020	0.010-0.020	1.2	0.2	50	2.5	3	6.0	●
	4012M 030	0.010-0.020	1.2	0.3	50	2.5	3	6.0	●
	4015M 005	0.015-0.025	1.5	0.05	50	3.0	3.5	6.0	●
	4015M 010	0.015-0.025	1.5	0.1	50	3.0	3.5	6.0	●
	4015M 020	0.015-0.025	1.5	0.2	50	3.0	3.5	6.0	●
	4020M 010	0.018-0.040	2.0	0.1	50	5.0	6	6.0	●
	4020M 020	0.018-0.040	2.0	0.2	50	5.0	6	6.0	●
	4020M 030	0.018-0.040	2.0	0.3	50	5.0	6	6.0	●
	4020M 050	0.018-0.040	2.0	0.5	50	5.0	6	6.0	●
	4025M 010	0.019-0.045	2.5	0.1	60	7.0	8	6.0	●
	4025M 020	0.019-0.045	2.5	0.2	60	7.0	8	6.0	●
	4025M 030	0.019-0.045	2.5	0.3	60	7.0	8	6.0	●
	4025M 050	0.019-0.045	2.5	0.5	60	7.0	8	6.0	●
	4030M 010	0.021-0.060	3.0	0.1	60	8.0	9.5	6.0	●
	4030M 020	0.021-0.060	3.0	0.2	60	8.0	9.5	6.0	●
	4030M 030	0.021-0.060	3.0	0.3	60	8.0	9.5	6.0	●
	4030M 050	0.021-0.060	3.0	0.5	60	8.0	9.5	6.0	●
	4040M 010	0.030-0.075	4.0	0.1	70	10.0	12	6.0	●
	4040M 020	0.030-0.075	4.0	0.2	70	10.0	12	6.0	●
	4040M 030	0.030-0.075	4.0	0.3	70	10.0	12	6.0	●
	4040M 050	0.030-0.075	4.0	0.5	70	10.0	12	6.0	●
	4040M 100	0.030-0.075	4.0	1.0	70	10.0	12	6.0	●

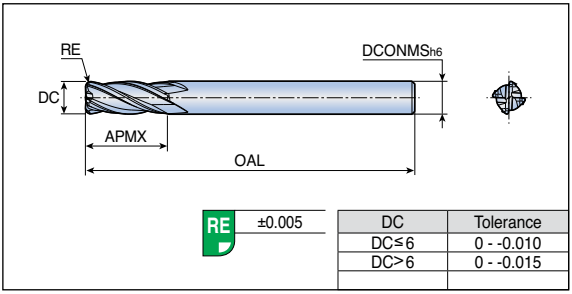
●: Standard items

HSR 4...M

HARDMILL

4 flute medium corner radius





RE	±0.005

DC	Tolerance
DC≤6	0 - -0.010
DC>6	0 - -0.015



Designation	Feed (mm/tooth)	Dimension (mm)					Grade
		DC	RE	OAL	APMX	DCONMS	TT5505
HSR 4060M 020	0.067-0.100	6.0	0.2	90	15	6.0	●
4060M 030	0.067-0.100	6.0	0.3	90	15	6.0	●
4060M 050	0.067-0.100	6.0	0.5	90	15	6.0	●
4060M 100	0.067-0.100	6.0	1.0	90	15	6.0	●
4060M 150	0.067-0.100	6.0	1.5	90	15	6.0	●
4060M 200	0.067-0.100	6.0	2.0	90	15	6.0	●
4080M 020	0.090-0.120	8.0	0.2	100	20	8.0	●
4080M 030	0.090-0.120	8.0	0.3	100	20	8.0	●
4080M 050	0.090-0.120	8.0	0.5	100	20	8.0	●
4080M 100	0.090-0.120	8.0	1.0	100	20	8.0	●
4080M 150	0.090-0.120	8.0	1.5	100	20	8.0	●
4080M 200	0.090-0.120	8.0	2.0	100	20	8.0	●
4100M 020	0.117-0.130	10.0	0.2	100	25	10.0	●
4100M 030	0.117-0.130	10.0	0.3	100	25	10.0	●
4100M 050	0.117-0.130	10.0	0.5	100	25	10.0	●
4100M 100	0.117-0.130	10.0	1.0	100	25	10.0	●
4100M 150	0.117-0.130	10.0	1.5	100	25	10.0	●
4100M 200	0.117-0.130	10.0	2.0	100	25	10.0	●
4120M 030	0.126-0.168	12.0	0.3	110	30	12.0	●
4120M 050	0.126-0.168	12.0	0.5	110	30	12.0	●
4120M 100	0.126-0.168	12.0	1.0	110	30	12.0	●
4120M 150	0.126-0.168	12.0	1.5	110	30	12.0	●
4120M 200	0.126-0.168	12.0	2.0	110	30	12.0	●

●: Standard items

HSR 6

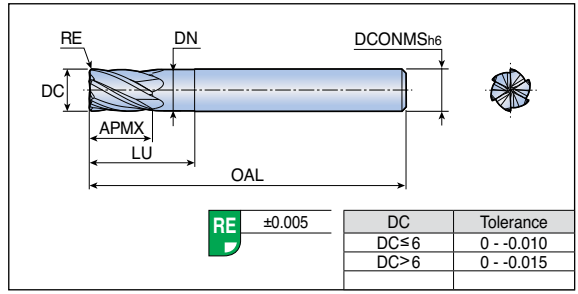
HARDMILL

6 flute long neck corner radius



• Finishing





RE ±0.005

DC	Tolerance
DC≤6	0 - -0.010
DC>6	0 - -0.015

Designation	Feed (mm/tooth)	Dimension (mm)							Grade
		DC	RE	OAL	APMX	LU	DN	DCONMS	TT5505
HSR 6060 050 150	0.038-0.050	6.0	0.5	60	9	15	5.8	6.0	●
6060 100 150	0.038-0.050	6.0	1.0	60	9	15	5.8	6.0	●
6080 050 200	0.045-0.060	8.0	0.5	70	12	20	7.8	8.0	●
6080 100 200	0.045-0.060	8.0	1.0	70	12	20	7.8	8.0	●
6100 050 250	0.045-0.060	10.0	0.5	75	15	25	9.8	10.0	●
6100 100 250	0.045-0.060	10.0	1.0	75	15	25	9.8	10.0	●
6120 050 300	0.053-0.070	12.0	0.5	85	18	30	11.6	12.0	●
6120 100 300	0.053-0.070	12.0	1.0	85	18	30	11.6	12.0	●

●: Standard items

HSR 6...M

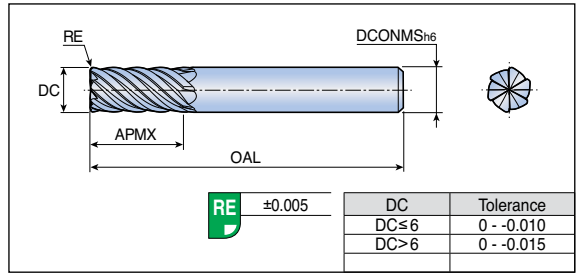
HARDMILL

6 flute medium corner radius



• Finishing





RE ±0.005

DC	Tolerance
DC≤6	0 - -0.010
DC>6	0 - -0.015

Designation	Feed (mm/tooth)	Dimension (mm)					Grade
		DC	RE	OAL	APMX	DCONMS	TT5505
HSR 6060M 050	0.038-0.050	6.0	0.5	60	15	6.0	●
6060M 100	0.038-0.050	6.0	1.0	60	15	6.0	●
6080M 050	0.045-0.060	8.0	0.5	65	20	8.0	●
6080M 100	0.045-0.060	8.0	1.0	65	20	8.0	●
6100M 050	0.045-0.060	10.0	0.5	70	22	10.0	●
6100M 100	0.045-0.060	10.0	1.0	70	22	10.0	●
6100M 150	0.045-0.060	10.0	1.5	70	22	10.0	●
6120M 050	0.053-0.070	12.0	0.5	80	26	12.0	●
6120M 100	0.053-0.070	12.0	1.0	80	26	12.0	●
6120M 150	0.053-0.070	12.0	1.5	80	26	12.0	●

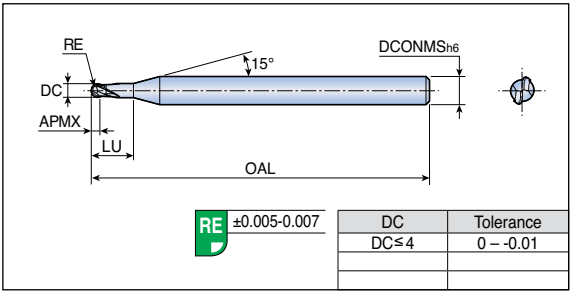
●: Standard items

HSB 2CBN

HARDMILL

2 flute CBN ball





RE ±0.005-0.007

DC	Tolerance
DC≤4	0 – -0.01



Designation	Feed (mm/tooth)	Dimension (mm)						Grade
		DC	RE	OAL	APMX	LU	DCONMS	TB7015
HSB 2CBN 2004-1.5	0.007-0.009	0.4	0.2	48	0.3	1.5	4	●
2004-6.0	0.007-0.009	0.4	0.2	48	0.3	6.0	4	●
2006-1.5	0.013-0.014	0.6	0.3	48	0.5	1.5	4	●
2008-4.0	0.013-0.018	0.8	0.4	48	0.5	4.0	4	●
2010-2.5	0.022-0.028	1.0	0.5	48	0.7	2.5	4	●
2010-4.0	0.022-0.028	1.0	0.5	48	0.7	4.0	4	●
2010-6.0	0.022-0.028	1.0	0.5	48	0.7	6.0	4	●
2015-6.0	0.023-0.028	1.5	0.75	48	1.0	6.0	4	●
2020-4.0	0.032-0.040	2.0	1.0	50	1.2	4.0	4	●
2040-8.0	0.035-0.040	4.0	2.0	66	2.4	8.0	6	●

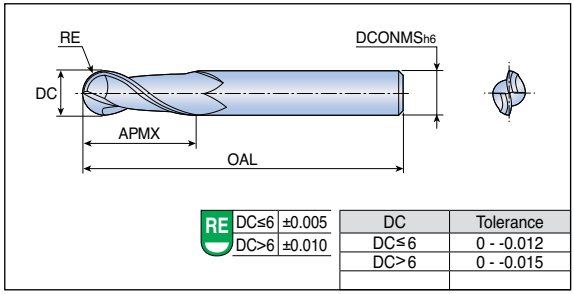
●: Standard items

SBE 2...S

APEXMILL

2 flute short ball





RE		
	DC≤6	±0.005
	DC>6	±0.010

DC	Tolerance
DC≤6	0 - -0.012
DC>6	0 - -0.015

2 | H·A 30° | Cutting Condition F130

Designation	Dimension (mm)					Grade
	DC	RE	OAL	APMX	DCONMS	TT5515
SBE 2020S	2	1.0	50	3	6	●
2030S	3	1.5	50	4	6	●
2040S	4	2.0	54	5	6	●
2050S	5	2.5	54	6	6	●
2060S	6	3.0	54	7	6	●
2080S	8	4.0	58	9	8	●
2100S	10	5.0	66	11	10	●
2120S	12	6.0	73	12	12	●
2160S	16	8.0	82	16	16	●
2200S	20	10.0	92	20	20	●

• Weldon shank is available on request (Ordering example: SBEW 2...S)

●: Standard items

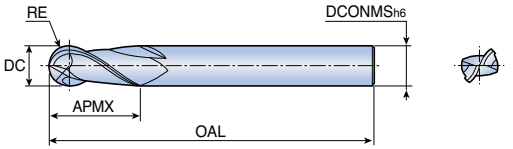
ADVANCE MACHINING TaeguTec Industry 4.0

SBE 2

APEXMILL

2 flute medium ball





RE	
DC≤6	±0.005
DC>6	±0.010

DC	Tolerance
DC≤6	0 - -0.012
DC>6	0 - -0.015

2 | H·A 30° | Cutting Condition F130

Designation	Dimension (mm)					Grade
	DC	RE	OAL	APMX	DCONMS	UF10N
SBE 2010	1.0	0.5	50	1.5	4	●
2010-6	1.0	0.5	50	1.5	6	●
2015	1.5	0.75	50	2.3	4	●
2020	2.0	1.0	50	3.0	4	●
2020-6	2.0	1.0	50	3.0	6	●
2025	2.5	1.25	50	3.8	4	●
2025-6	2.5	1.25	50	3.8	6	●
2030	3.0	1.5	70	8.0	6	●
2040	4.0	2.0	70	8.0	6	●
2050	5.0	2.5	80	12.0	6	●
2060	6.0	3.0	80	12.0	6	●
2070	7.0	3.5	90	15.0	8	●
2080	8.0	4.0	90	15.0	8	●
2090	9.0	4.5	100	20.0	10	●
2100	10.0	5.0	100	20.0	10	●
2120	12.0	6.0	110	25.0	12	●
2140	14.0	7.0	120	30.0	12	●
2160	16.0	8.0	125	35.0	16	●
2180	18.0	9.0	150	40.0	20	●
2200	20.0	10.0	150	40.0	20	●

• Weldon shank is available on request (Ordering example: SBEW 2...)

●: Standard items

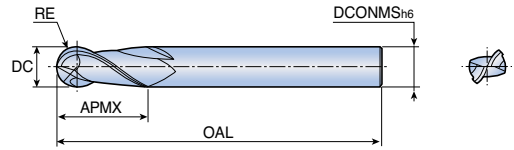
TaeguTec

SBE 2...T

APEXMILL

2 flute medium ball





2 | H·A 30° | Cutting Condition F130

RE	DC	Tolerance
DC≤6	±0.005	
DC>6	±0.010	

DC	Tolerance
DC≤6	0 - -0.012
DC>6	0 - -0.015

Designation	Dimension (mm)					Grade
	DC	RE	OAL	APMX	DCONMS	TT5515
SBE 2010T	1.0	0.5	50	1.5	4	●
2010T-6	1.0	0.5	50	1.5	6	●
2012T	1.2	0.6	50	1.8	4	●
2015T	1.5	0.75	50	2.3	4	●
2015T-5X70	1.5	0.75	70	5.0	6	●
2015T-6	1.5	0.75	50	2.3	6	●
2016T	1.6	0.8	50	2.4	4	●
2020T	2.0	1.0	50	3.0	4	●
2020T-6	2.0	1.0	50	3.0	6	●
2020T-7X70	2.0	1.0	70	7.0	6	●
2025T	2.5	1.25	50	3.8	4	●
2025T-6	2.5	1.25	50	3.8	6	●
2030T	3.0	1.5	70	8.0	6	●
2030T-10X70	3.0	1.5	70	10.0	6	●
2035T	3.5	1.75	70	8.0	6	●
2040T	4.0	2.0	70	8.0	6	●
2040T-12X70	4.0	2.0	70	12.0	6	●
2045T	4.5	2.25	80	8.0	6	●
2050T	5.0	2.5	80	12.0	6	●
2050T-15X80	5.0	2.5	80	15.0	6	●
2060T	6.0	3.0	80	12.0	6	●
2060T-15X80	6.0	3.0	80	15.0	6	●
2065T	6.5	3.25	90	12.0	8	●
2070T	7.0	3.5	90	15.0	8	●
2080T	8.0	4.0	90	15.0	8	●
2080T-20X90	8.0	4.0	90	20.0	8	●
2090T	9.0	4.5	100	20.0	10	●
2100T	10.0	5.0	100	20.0	10	●
2100T-25X100	10.0	5.0	100	25.0	10	●
2110T	11.0	5.5	110	25.0	12	●
2120T	12.0	6.0	110	25.0	12	●
2120T-30X100	12.0	6.0	100	30.0	12	●
2140T	14.0	7.0	120	30.0	12	●
2150T	15.0	7.5	125	35.0	16	●
2160T	16.0	8.0	125	35.0	16	●
2180T	18.0	9.0	150	40.0	20	●
2200T	20.0	10.0	150	40.0	20	●

• Weldon shank is available on request (Ordering example: SBEW 2...T)

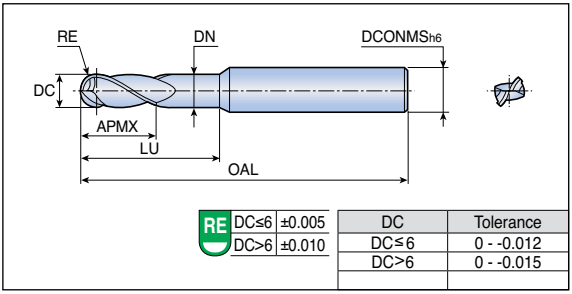
●: Standard items

SBE 2...LT/L

APEXMILL

2 flute long ball





2 | H·A 30° | Cutting Condition F130

RE	
DC≤6	±0.005
DC>6	±0.010

DC	Tolerance
DC≤6	0 - -0.012
DC>6	0 - -0.015

Designation	Dimension (mm)							Grades	
	DC	RE	OAL	APMX	LU	DN	DCONMS	TT5515	UF10N ✱
SBE 2020LT	2	1.0	100	4	20	1.85	6	●	
2030LT	3	1.5	100	4	35	2.85	6	●	●
2040LT	4	2.0	100	6	35	3.85	6	●	●
2050LT	5	2.5	115	7	40	4.8	8	●	
2060LT	6	3.0	115	8	45	5.8	8	●	●
2060LT-6D	6	3.0	115	8	45	5.8	6	●	●
2060LT-6D WU	6	3.0	115	8	-	-	6	●	
2070LT	7	3.5	125	10	45	6.8	10	●	●
2080LT	8	4.0	125	12	55	7.8	10	●	●
2080LT-8D	8	4.0	125	12	55	7.8	8	●	●
2080LT-8D WU	8	4.0	125	12	-	-	8	●	
2090LT	9	4.5	140	15	65	8.8	10	●	●
2100LT	10	5.0	140	15	65	9.8	10	●	●
2100LT-WU	10	5.0	140	15	-	-	10	●	
2120LT	12	6.0	150	18	75	11.8	12	●	●
2120LT-WU	12	6.0	150	18	-	-	12	●	
2140LT	14	7.0	155	23	75	13.6	16	●	
2160LT	16	8.0	155	30	75	15.6	16	●	●
2160LT-WU	16	8.0	155	30	-	-	16	●	

• ✱ : SBE 2...L is UF10N grade end mill (without T)

●: Standard items

• **WU**: Without under cut

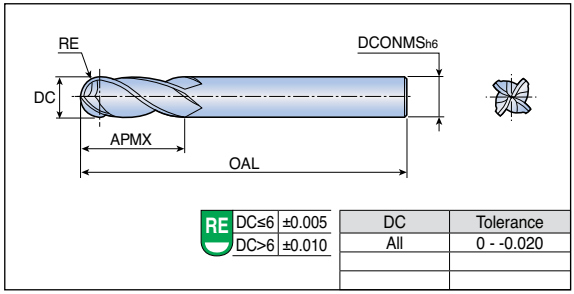
TaeguTec

SBE 4

APEXMILL

4 flute medium ball





RE		
	DC≤6	±0.005
	DC>6	±0.010

DC	Tolerance
All	0 - -0.020

4 | H·A 30° | Cutting Condition F130

Designation		Dimension (mm)					Grade
		DC	RE	OAL	APMX	DCONMS	UF10N
SBE	4060	6	3	80	12	6	●
	4100	10	5	100	20	10	●
	4120	12	6	110	25	12	●
	4160	16	8	125	35	16	●
	4200	20	10	150	40	20	●

• Weldon shank is available on request (Ordering example: SBEW 4...)

●: Standard items

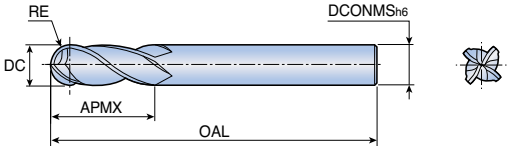
ADVANCE MACHINING
TaeguTec Industry 4.0

SBE 4...T

APEXMILL

4 flute medium ball





4 | H·A 30° | Cutting Condition F130

RE		DC	Tolerance
DC≤6	±0.005	All	0 - -0.020
DC>6	±0.010		

Designation	Dimension (mm)					Grade
	DC	RE	OAL	APMX	DCONMS	TT5515
SBE 4010T-6	1.0	0.5	50	2.5	6	●
4015T	1.5	0.75	50	4.0	4	●
4020T	2.0	1.0	50	5.0	6	●
4030T	3.0	1.5	57	8.0	6	●
4040T	4.0	2.0	70	8.0	6	●
4050T	5.0	2.5	80	12.0	6	●
4060T	6.0	3.0	80	12.0	6	●
4070T	7.0	3.5	90	15.0	8	●
4080T	8.0	4.0	90	15.0	8	●
4090T	9.0	4.5	100	20.0	10	●
4100T	10.0	5.0	100	20.0	10	●
4120T	12.0	6.0	110	25.0	12	●
4160T	16.0	8.0	125	35.0	16	●
4180T	18.0	9.0	150	40.0	20	●
4200T	20.0	10.0	150	40.0	20	●

• Weldon shank is available on request (Ordering example: SBEW 4...T)

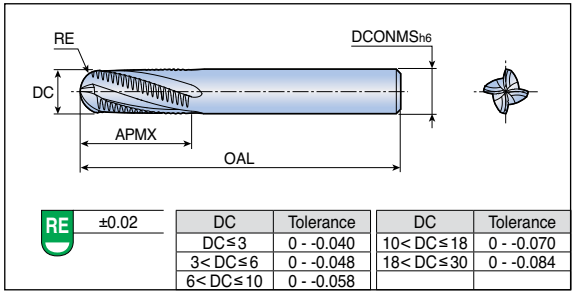
●: Standard items

REB ...L

APEXMILL

3-4 flute rough long ball





3-4 | H·A 20° | Cutting Condition F130

RE ±0.02

DC	Tolerance	DC	Tolerance
DC≤3	0 - -0.040	10< DC≤18	0 - -0.070
3< DC≤6	0 - -0.048	18< DC≤30	0 - -0.084
6< DC≤10	0 - -0.058		

Designation		Dimension (mm)						Grade
		DC	NOF	RE	OAL	APMX	DCONMS	TT5515
REB	**3080L**	8	3	4	63	16	8	●
	4100L	10	4	5	72	22	10	●
	4120L	12	4	6	83	26	12	●
	4140L-14	14	4	7	83	26	14	●
	4160L	16	4	8	92	32	16	●
	4200L	20	4	10	104	38	20	●

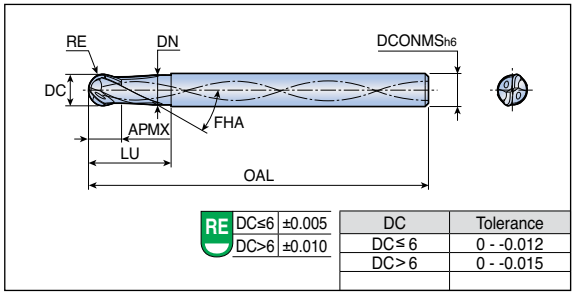
• Weldon shank is available on request (Ordering example: REBW ....L)
●: Standard items
• NOF: Number of flutes

SBO 2...T

APEXMILL

2 flute through coolant ball





2 | Cutting Condition F130

RE DC≤6 ±0.005; DC>6 ±0.010

DC	Tolerance
DC≤6	0 - -0.012
DC>6	0 - -0.015

Designation		Dimension (mm)							Grade
		DC	RE	OAL	APMX	LU	DN	FHA	DCONMS	TT5525
SBO	**2060T**	6	3	91	6	15	5	23.4	8	●
	2080T	8	4	91	8	20	7	30	8	●
	2100T	10	5	103	10	25	9	30	10	●
	2120T	12	6	118	12	30	11	30	12	●
	2140T	14	7	124	14	30	13	34	12	●

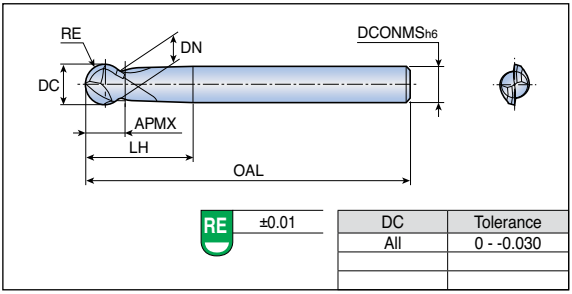
• FHA: Flute helx angle
●: Standard items

BES 2...T

APEXMILL

2 flute spherical ball





RE	±0.01

DC	Tolerance
All	0 - -0.030

2 | H·A 30° | Cutting Condition F130

Designation	Dimension (mm)							Grade
	DC	RE	OAL	APMX	LH	DN	DCONMS	TT5515
BES 2030T	3	1.5	80	3.3	28.5	2.52	6	●
2040T	4	2.0	80	4.1	28.5	3.35	6	●
2050T	5	2.5	80	5.4	38.0	4.19	6	●
2060T	6	3.0	100	6.1	28.0	5.03	6	●
2080T	8	4.0	100	8.2	33.0	6.71	8	●
2100T	10	5.0	100	9.7	40.0	8.39	10	●
2120T	12	6.0	110	12.3	49.0	10.06	12	●
2160T	16	8.0	155	15.4	58.0	13.42	16	●

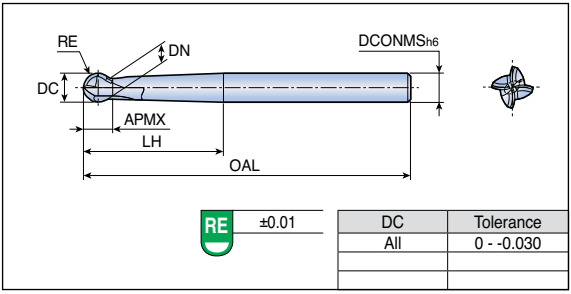
●: Standard items

BES 4...T

APEXMILL

4 flute spherical ball





RE	±0.01

DC	Tolerance
All	0 - -0.030

4 | H·A 30° | Cutting Condition F130

Designation	Dimension (mm)							Grade
	DC	RE	OAL	APMX	LH	DN	DCONMS	TT5515
BES 4030T	3	1.5	80	3.3	28.5	2.52	6	●
4040T	4	2.0	80	4.1	28.5	3.35	6	●
4050T	5	2.5	80	5.4	38.0	4.19	6	●
4060T	6	3.0	100	6.1	28.0	5.03	6	●
4080T	8	4.0	100	8.2	33.0	6.71	8	●
4100T	10	5.0	100	9.7	40.0	8.39	10	●
4120T	12	6.0	110	12.3	49.0	10.06	12	●
4160T	16	8.0	155	15.4	58.0	13.42	16	●

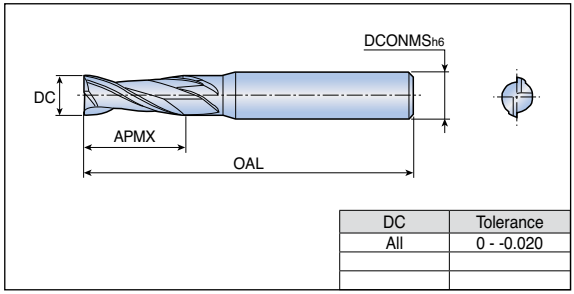
●: Standard items

TSE 2...M

APEXMILL

2 flute medium flat





DC	Tolerance
All	0 - -0.020



Designation	Feed (mm/tooth)	Dimension (mm)				Grades		
		DC	OAL	APMX	DCONMS	TT5515	TT5525	UF10
TSE 2010M-4	0.008-0.030	1.0	40	3	4	●	●	●
2010M	0.008-0.030	1.0	42	3	6	●	●	●
2012M	0.008-0.030	1.2	42	3	6	●		
2015M-4	0.008-0.030	1.5	40	4	4	●	●	●
2015M	0.008-0.030	1.5	42	4	6	●	●	●
2020M-4	0.010-0.030	2.0	40	6	4	●	●	●
2020M	0.010-0.030	2.0	42	6	6	●	●	●
2025M-4	0.010-0.030	2.5	40	8	4	●	●	●
2025M	0.010-0.030	2.5	42	8	6	●	●	●
2030M	0.010-0.030	3.0	57	10	6	●	●	●
2035M-4	0.010-0.030	3.5	50	12	4	●		●
2035M	0.010-0.030	3.5	47	10	6	●	●	●
2040M-4	0.010-0.050	4.0	50	12	4	●	●	●
2040M	0.010-0.050	4.0	57	12	6	●	●	●
2045M	0.010-0.050	4.5	57	14	6	●	●	●
2050M-5	0.015-0.060	5.0	50	14	5	●	●	●
2050M	0.015-0.060	5.0	57	14	6	●	●	●
2055M	0.015-0.060	5.5	57	16	6	●	●	
2060M	0.020-0.060	6.0	57	16	6	●	●	●
2065M-7	0.020-0.060	6.5	60	20	7		●	
2065M	0.020-0.060	6.5	60	20	8	●	●	●
2070M	0.030-0.070	7.0	60	20	8	●	●	●
2075M	0.030-0.070	7.5	63	20	8	●	●	
2080M	0.030-0.100	8.0	63	20	8	●	●	●
2085M	0.030-0.100	8.5	72	22	10	●	●	●
2090M	0.030-0.100	9.0	68	25	10	●	●	●
2095M	0.030-0.100	9.5	72	24	10	●	●	
2100M(25X68)	0.030-0.120	10.0	68	25	10	●	●	
2100M	0.030-0.120	10.0	72	22	10	●	●	●
2105M	0.030-0.120	10.5	76	26	12	●	●	
2110M	0.030-0.120	11.0	76	30	12	●	●	●
2115M	0.030-0.120	11.5	83	30	12	●		
2120M(30X76)	0.030-0.120	12.0	76	30	12	●		
2120M	0.030-0.120	12.0	83	25	12	●	●	●
2130M	0.030-0.132	13.0	85	35	14	●	●	●

• Weldon shank is available on request (Ordering example: TSEW 2...M)

●: Standard items

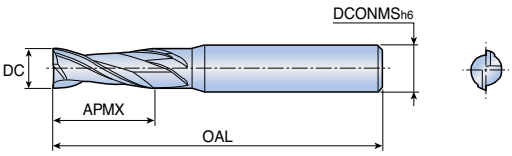
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TaeguTec Industry 4.0

TSE 2...M

APEXMILL

2 flute medium flat





DC	Tolerance
All	0 - -0.020

2 | H·A 30° | Cutting Condition F130

Designation		Feed (mm/tooth)	Dimension (mm)				Grades		
			DC	OAL	APMX	DCONMS	TT5515	TT5525	UF10
TSE	**2140M-14**	0.030-0.132	14.0	83	25	14	●	●	●
	2140M	0.030-0.132	14.0	85	35	16		●	
	2150M	0.040-0.140	15.0	92	32	16	●	●	●
	2160M	0.040-0.140	16.0	92	32	16	●	●	●
	2180M-18	0.040-0.140	18.0	92	32	18	●	●	●
	2180M(45X110)	0.040-0.140	18.0	110	45	20	●		
	2200M	0.040-0.140	20.0	104	38	20	●	●	●
	2250M	0.050-0.146	25.0	120	50	25	●	●	

• Weldon shank is available on request (Ordering example: TSEW 2...M)

●: Standard items

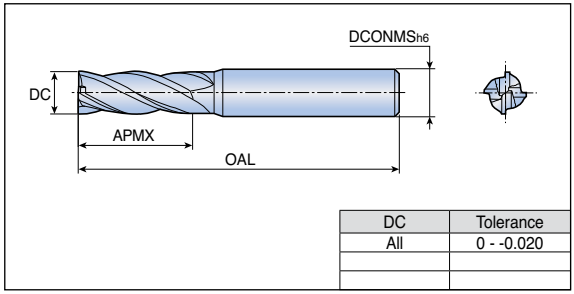
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TSE 4...M

APEXMILL

4 flute medium flat





DC	Tolerance
All	0 - -0.020



Designation	Feed (mm/tooth)	Dimension (mm)				Grades		
		DC	OAL	APMX	DCONMS	TT5515	TT5525	UF10
TSE 4010M	0.005-0.010	1.0	42	2.5	6	●	●	
4015M	0.005-0.012	1.5	42	4	6	●	●	
4020M	0.008-0.017	2.0	42	6	6	●	●	●
4025M-4	0.008-0.017	2.5	40	8	4	●	●	●
4025M	0.008-0.017	2.5	42	8	6	●	●	●
4030M	0.009-0.020	3.0	57	10	6	●	●	●
4035M-4	0.010-0.028	3.5	50	12	4	●		●
4035M	0.010-0.028	3.5	47	10	6	●	●	●
4040M-4	0.010-0.042	4.0	50	12	4	●	●	●
4040M	0.010-0.042	4.0	57	12	6	●	●	●
4045M	0.010-0.042	4.5	57	12	6	●		
4050M	0.020-0.059	5.0	57	14	6	●	●	●
4055M	0.020-0.059	5.5	57	14	6	●	●	
4060M	0.020-0.075	6.0	57	16	6	●	●	●
4065M	0.020-0.075	6.5	60	20	8	●	●	
4070M	0.020-0.075	7.0	60	20	8	●	●	●
4075M	0.020-0.075	7.5	60	20	8	●	●	
4080M	0.030-0.100	8.0	63	20	8	●	●	●
4085M	0.030-0.100	8.5	68	25	10	●	●	
4090M	0.030-0.100	9.0	68	25	10	●	●	●
4095M	0.030-0.100	9.5	68	25	10	●	●	
4100M(25X68)	0.030-0.120	10.0	68	25	10	●	●	●
4100M	0.030-0.120	10.0	72	22	10	●	●	●
4105M	0.030-0.120	10.5	76	30	12	●	●	
4110M	0.030-0.120	11.0	76	30	12	●	●	●
4115M	0.030-0.120	11.5	76	30	12	●	●	
4120M(30X76)	0.030-0.136	12.0	76	30	12	●	●	
4120M	0.030-0.136	12.0	83	25	12	●	●	●
4130M	0.030-0.136	13.0	85	35	14	●	●	●
4140M-14	0.030-0.136	14.0	83	25	14	●	●	●
4140M	0.030-0.136	14.0	85	35	16		●	
4140M(35X85)	0.030-0.136	14.0	85	35	16	●	●	
4150M	0.040-0.140	15.0	92	32	16	●	●	●
4160M(40X90)	0.040-0.146	16.0	90	40	16	●	●	
4160M	0.040-0.146	16.0	92	32	16	●	●	●

• Weldon shank is available on request (Ordering example: TSEW 4...M)

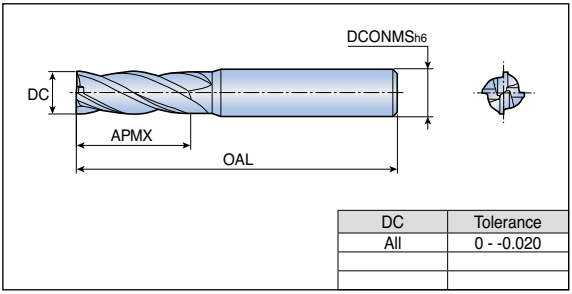
●: Standard items

TSE 4...M

APEXMILL

4 flute medium flat





DC	Tolerance
All	0 - -0.020

4 | H·A 30° | Cutting Condition F130

Designation		Feed (mm/tooth)	Dimension (mm)				Grades		
			DC	OAL	APMX	DCONMS	TT5515	TT5525	UF10
TSE	**4170M(45X110)**	0.050-0.146	17.0	110	45	20	●		
	4180M-18	0.050-0.146	18.0	92	32	18	●	●	
	4180M(45X110)	0.050-0.146	18.0	110	45	20	●	●	
	4200M	0.050-0.146	20.0	104	38	20	●	●	●
	4200M(45X110)	0.050-0.146	20.0	110	45	20	●	●	
	4250M	0.050-0.146	25.0	140	65	25	●	●	●

• Weldon shank is available on request (Ordering example: TSEW 4...M)

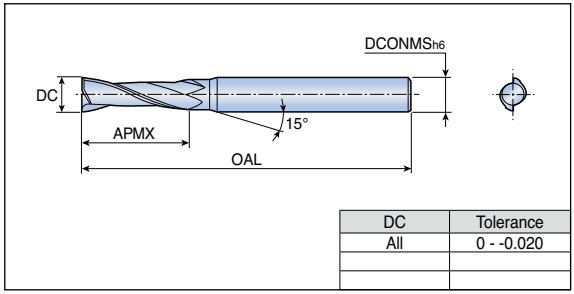
●: Standard items

HES 2...LT

APEXMILL

2 flute long flat





DC	Tolerance
All	0 - -0.020



Designation	Feed (mm/tooth)	Dimension (mm)				Grade
		DC	OAL	APMX	DCONMS	TT5525
HES 2030LT(10x70)	0.010-0.040	3	70	10	6	●
2040LT(12x70)	0.020-0.050	4	70	12	6	●
2050LT(15x80)	0.020-0.060	5	80	15	6	●
2060LT(15x80)	0.030-0.076	6	80	15	6	●
2080LT(20x90)	0.030-0.097	8	90	20	8	●
2100LT(25x100)	0.030-0.107	10	100	25	10	●
2120LT(30x110)	0.040-0.108	12	110	30	12	●
2140LT	0.040-0.120	14	125	35	16	●
2160LT	0.040-0.130	16	125	40	16	●
2180LT	0.050-0.130	18	150	45	20	●
2200LT	0.050-0.130	20	150	45	20	●

●: Standard items

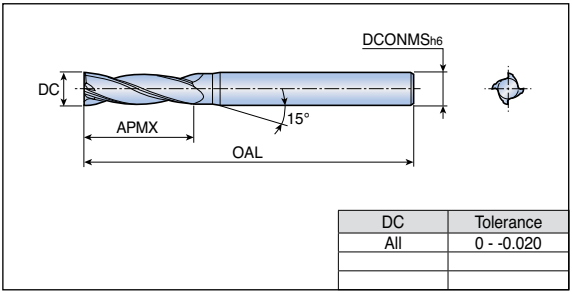
ADVANCE MACHINING
TaeguTec Industry 4.0

HES 4...LT

APEXMILL

4 flute long flat





DC	Tolerance
All	0 - -0.020



Designation	Feed (mm/tooth)	Dimension (mm)				Grade
		DC	OAL	APMX	DCONMS	TT5525
HES 4030LT(10x70)	0.01-0.04	3	70	10	6	●
4040LT(12x70)	0.02-0.05	4	70	12	6	●
4050LT(15x80)	0.02-0.06	5	80	15	6	●
4060LT(15x80)	0.03-0.07	6	80	15	6	●
4080LT(20x90)	0.03-0.09	8	90	20	8	●
4100LT(25x100)	0.03-0.10	10	100	25	10	●
4120LT(30x110)	0.04-0.11	12	110	30	12	●
4140LT	0.04-0.12	14	125	35	16	●
4160LT	0.05-0.13	16	125	40	16	●
4180LT	0.05-0.13	18	150	45	20	●
4200LT	0.05-0.13	20	150	45	20	●

●: Standard items

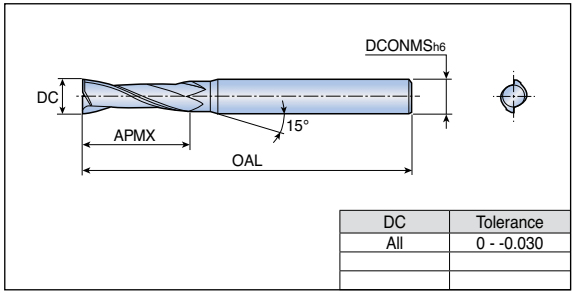
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HES 2...XLT

APEXMILL

2 flute extra long flat





DC	Tolerance
All	0 - -0.030



Designation	Feed (mm/tooth)	Dimension (mm)				Grades	
		DC	OAL	APMX	DCONMS	TT5515	TT5525
HES 2030XLT(20x70)	0.010-0.040	3	70	20	6	●	●
2040XLT(20x70)	0.020-0.050	4	70	20	6	●	●
2050XLT(25x80)	0.020-0.060	5	80	25	6	●	●
2060XLT(25x80)	0.030-0.076	6	80	25	6	●	●
2080XLT(35x90)	0.030-0.097	8	90	35	8	●	●
2100XLT(45x100)	0.030-0.107	10	100	45	10	●	●
2120XLT(55x110)	0.040-0.108	12	110	55	12	●	●
2140XLT	0.040-0.120	14	125	60	16	●	●
2160XLT	0.040-0.130	16	125	70	16	●	●
2180XLT	0.050-0.130	18	150	75	20	●	●
2200XLT	0.050-0.130	20	150	75	20	●	●

●: Standard items

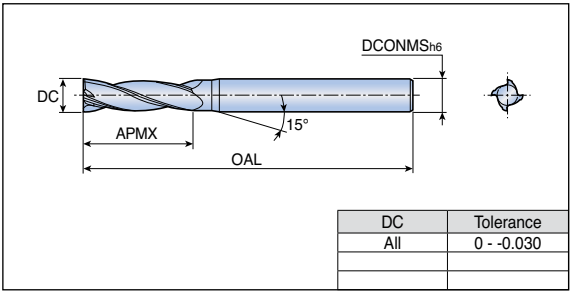
ADVANCE MACHINING
TaeguTec Industry 4.0

HES 4...XLT

APEXMILL

4 flute extra long flat





DC	Tolerance
All	0 - -0.030

4 | H·A 30° | Cutting Condition F130

Designation	Feed (mm/tooth)	Dimension (mm)				Grades	
		DC	OAL	APMX	DCONMS	TT5515	TT5525
HES 4030XLT(20x70)	0.01-0.04	3	70	20	6	●	●
4040XLT(20x70)	0.02-0.05	4	70	20	6	●	●
4050XLT(25x80)	0.02-0.06	5	80	25	6	●	●
4060XLT(25x80)	0.03-0.07	6	80	25	6	●	●
4080XLT(35x90)	0.03-0.09	8	90	35	8	●	●
4100XLT(45x100)	0.03-0.10	10	100	45	10	●	●
4120XLT(55x110)	0.04-0.11	12	110	55	12	●	●
4140XLT	0.04-0.12	14	125	60	16	●	●
4160XLT	0.05-0.13	16	125	70	16	●	●
4180XLT	0.05-0.13	18	150	75	20	●	●
4200XLT	0.05-0.13	20	150	75	20	●	●

●: Standard items

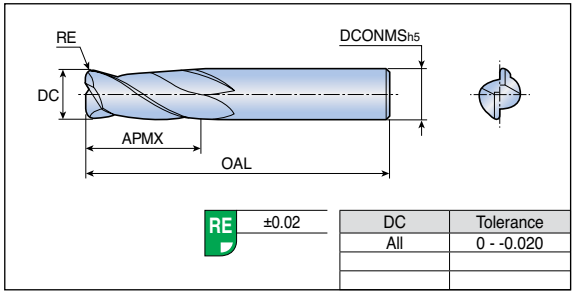
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HES 2...T-R

APEXMILL

2 flute medium corner radius





RE	±0.02

DC	Tolerance
All	0 - -0.020



Designation	Feed (mm/tooth)	Dimension (mm)					Grades	
		DC	RE	OAL	APMX	DCONMS	TT5515	TT5525
HES 2030T-R0.5	0.010-0.030	3	0.5	47	10	6	●	●
2040T-R0.5	0.010-0.050	4	0.5	47	12	6	●	●
2050T-R0.5	0.020-0.060	5	0.5	52	15	6	●	●
2060T-R0.5	0.020-0.060	6	0.5	52	15	6	●	●
2060T-R1.0	0.020-0.060	6	1.0	52	15	6	●	●
2080T-R0.5	0.030-0.100	8	0.5	60	20	8	●	●
2080T-R1.0	0.030-0.100	8	1.0	60	20	8	●	●
2080T-R1.5	0.030-0.100	8	1.5	60	20	8	●	●
2080T-R2.0	0.030-0.100	8	2.0	60	20	8	●	
2100T-R0.5	0.030-0.120	10	0.5	68	25	10	●	●
2100T-R1.0	0.030-0.120	10	1.0	68	25	10	●	
2100T-R1.5	0.030-0.120	10	1.5	68	25	10	●	
2100T-R2.0	0.030-0.120	10	2.0	68	25	10	●	
2100T-R2.5	0.030-0.120	10	2.5	68	25	10	●	●
2100T-R3.0	0.030-0.120	10	3.0	68	25	10	●	●
2120T-R0.5	0.030-0.120	12	0.5	76	30	12	●	●
2120T-R1.0	0.030-0.120	12	1.0	76	30	12	●	
2120T-R1.5	0.030-0.120	12	1.5	76	30	12	●	●
2120T-R2.0	0.030-0.120	12	2.0	76	30	12	●	
2120T-R2.5	0.030-0.120	12	2.5	76	30	12	●	
2120T-R3.0	0.030-0.120	12	3.0	76	30	12	●	●
2160T-R0.5	0.040-0.142	16	0.5	90	40	16	●	
2160T-R1.0	0.040-0.142	16	1.0	90	40	16	●	●
2160T-R1.5	0.040-0.142	16	1.5	90	40	16	●	●
2160T-R2.0	0.040-0.142	16	2.0	90	40	16	●	
2160T-R3.0	0.040-0.142	16	3.0	90	40	16	●	●
2200T-R0.5	0.040-0.142	20	0.5	110	45	20	●	
2200T-R1.0	0.040-0.142	20	1.0	110	45	20	●	
2200T-R1.5	0.040-0.142	20	1.5	110	45	20	●	
2200T-R2.0	0.040-0.142	20	2.0	110	45	20	●	●
2200T-R3.0	0.040-0.142	20	3.0	110	45	20	●	●

●: Standard items

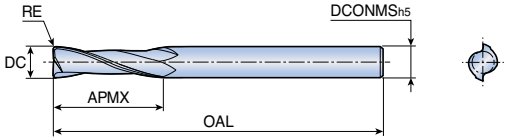
ADVANCE MACHINING
TaeguTec Industry 4.0

HES 2...LT-R

APEXMILL

2 flute long corner radius







RE	±0.02

DC	Tolerance
All	0 - -0.020

Designation	Feed (mm/tooth)	Dimension (mm)					Grades	
		DC	RE	OAL	APMX	DCONMS	TT5515	TT5525
HES 2030LT-R0.5	0.010-0.040	3	0.5	70	10	6	●	●
2040LT-R0.5	0.020-0.050	4	0.5	70	12	6	●	●
2050LT-R0.5	0.020-0.060	5	0.5	80	15	6	●	●
2060LT-R0.5	0.030-0.076	6	0.5	80	15	6	●	●
2060LT-R1.0	0.030-0.076	6	1.0	80	15	6	●	●
2080LT-R0.5	0.030-0.097	8	0.5	90	20	8	●	●
2080LT-R1.0	0.030-0.097	8	1.0	90	20	8	●	●
2100LT-R0.5	0.030-0.107	10	0.5	100	25	10	●	●
2100LT-R1.0	0.030-0.107	10	1.0	100	25	10	●	●
2120LT-R0.5	0.040-0.108	12	0.5	110	30	12	●	●
2120LT-R1.0	0.040-0.108	12	1.0	110	30	12	●	●

●: Standard items

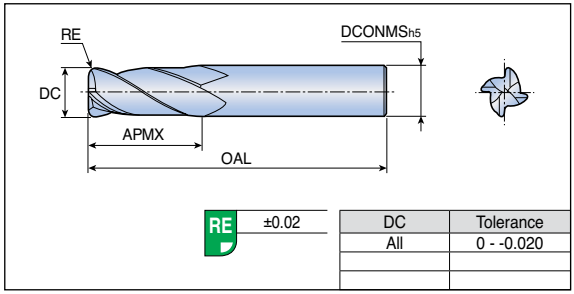
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HES 4...T-R

APEXMILL

4 flute medium corner radius





4 | H·A 30° | Cutting Condition F130

RE ±0.02

DC	Tolerance
All	0 - -0.020

Designation	Feed (mm/tooth)	Dimension (mm)					Grades	
		DC	RE	OAL	APMX	DCONMS	TT5515	TT5525
HES 4030T-R0.3	0.01-0.04	3	0.3	47	10	6	●	●
4040T-R0.3	0.02-0.05	4	0.3	47	12	6	●	●
4050T-R0.3	0.02-0.06	5	0.3	52	15	6	●	●
4060T-R0.5	0.03-0.07	6	0.5	52	15	6	●	●
4060T-R1.0	0.03-0.07	6	1.0	52	15	6	●	●
4080T-R0.5	0.03-0.09	8	0.5	60	20	8	●	●
4080T-R1.0	0.03-0.09	8	1.0	60	20	8	●	●
4080T-R1.5	0.03-0.09	8	1.5	60	20	8	●	●
4080T-R2.0	0.03-0.09	8	2.0	60	20	8	●	
4100T-R0.5	0.03-0.10	10	0.5	68	25	10	●	●
4100T-R1.0	0.03-0.10	10	1.0	68	25	10	●	●
4100T-R1.5	0.03-0.10	10	1.5	68	25	10	●	●
4100T-R2.0	0.03-0.10	10	2.0	68	25	10	●	●
4100T-R2.5	0.03-0.10	10	2.5	68	25	10	●	
4100T-R3.0	0.03-0.10	10	3.0	68	25	10	●	●
4120T-R0.5	0.04-0.11	12	0.5	76	30	12	●	●
4120T-R1.0	0.04-0.11	12	1.0	76	30	12	●	●
4120T-R1.5	0.04-0.11	12	1.5	76	30	12	●	●
4120T-R2.0	0.04-0.11	12	2.0	76	30	12	●	●
4120T-R2.5	0.04-0.11	12	2.5	76	30	12	●	
4120T-R3.0	0.04-0.11	12	3.0	76	30	12	●	●
4160T-R0.5	0.05-0.13	16	0.5	90	40	16	●	●
4160T-R1.0	0.05-0.13	16	1.0	90	40	16	●	●
4160T-R1.5	0.05-0.13	16	1.5	90	40	16	●	●
4160T-R2.0	0.05-0.13	16	2.0	90	40	16	●	●
4160T-R3.0	0.05-0.13	16	3.0	90	40	16	●	●
4200T-R0.5	0.05-0.13	20	0.5	110	45	20	●	●
4200T-R1.0	0.05-0.13	20	1.0	110	45	20	●	●
4200T-R1.5	0.05-0.13	20	1.5	110	45	20	●	●
4200T-R2.0	0.05-0.13	20	2.0	110	45	20	●	
4200T-R3.0	0.05-0.13	20	3.0	110	45	20	●	●

●: Standard items

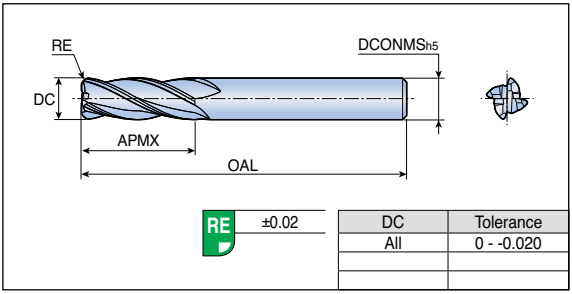
ADVANCE MACHINING
TaeguTec Industry 4.0

HES 4...LT-R

APEXMILL

4 flute long corner radius





4 | H·A 30° | Cutting Condition F130

RE ±0.02

DC	Tolerance
All	0 - -0.020

Designation	Feed (mm/tooth)	Dimension (mm)					Grades	
		DC	RE	OAL	APMX	DCONMS	TT5515	TT5525
HES 4030LT-R0.5	0.02-0.05	3	0.5	70	10	6	●	●
4040LT-R0.5	0.02-0.05	4	0.5	70	12	6	●	●
4040LT-R1.0	0.02-0.05	4	1.0	70	12	6	●	●
4060LT-R0.5	0.03-0.07	6	0.5	80	15	6	●	●
4060LT-R1.0	0.03-0.07	6	1.0	80	15	6	●	●
4080LT-R0.5	0.03-0.09	8	0.5	90	20	8	●	●
4080LT-R1.0	0.03-0.09	8	1.0	90	20	8	●	●
4100LT-R0.5	0.03-0.10	10	0.5	100	25	10	●	●
4100LT-R1.0	0.03-0.10	10	1.0	100	25	10	●	●
4120LT-R0.5	0.04-0.11	12	0.5	110	30	12	●	●
4120LT-R1.0	0.04-0.11	12	1.0	110	30	12	●	●

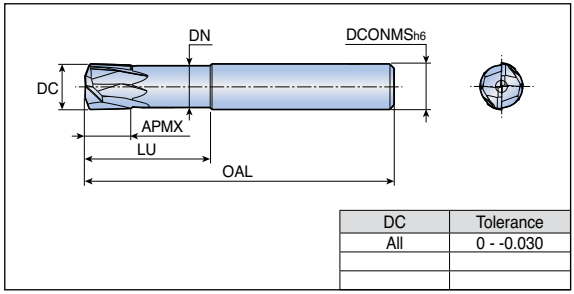
●: Standard items

HFM 2

APEXMILL

2 flute high feed flat





DC	Tolerance
All	0 - -0.030

• High Feed Machining (H.F.M)



Designation		Feed (mm/tooth)	Dimension (mm)						Grade
			DC	OAL	APMX	LU	DN	DCONMS	TT5515
HFM	**2040**	0.2-0.4	4	47	4	10	3.9	6	●
	2060	0.3-0.6	6	52	6	16	5.5	6	●
	2080	0.4-0.7	8	60	8	22	7.3	8	●
	2100	0.5-0.9	10	68	10	28	9.2	10	●
	2120	0.5-1.0	12	76	12	33	11.0	12	●

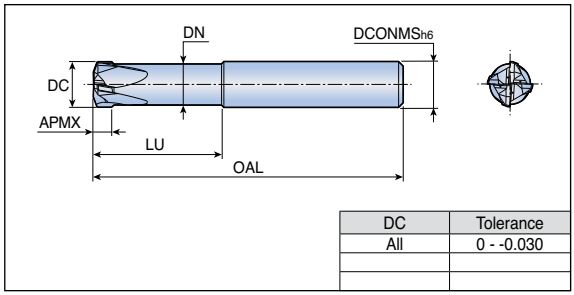
●: Standard items

HFM 4

APEXMILL

4 flute high feed flat





DC	Tolerance
All	0 - -0.030

• High Feed Machining (H.F.M)



Designation		Feed (mm/tooth)	Dimension (mm)						Grade
			DC	OAL	APMX	LU	DN	DCONMS	TT5515
HFM	**4060**	0.3-0.5	6	52	2.5	16	5.4	6	●
	4080	0.3-0.6	8	60	3.5	24	7.2	8	●
	4100	0.4-0.8	10	68	4.0	28	9.2	10	●
	4120	0.4-1.0	12	76	5.0	33	11.0	12	●

●: Standard items

ADVANCE MACHINING
TaeguTec Industry 4.0

CFM 4...M

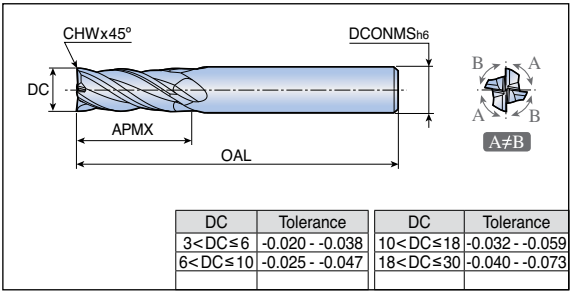
APEXMILL

4 flute corner chamfer



• Vibration free mill





DC	Tolerance	DC	Tolerance
3<DC≤6	-0.020 - -0.038	10<DC≤18	-0.032 - -0.059
6<DC≤10	-0.025 - -0.047	18<DC≤30	-0.040 - -0.073

Designation		Feed (mm/tooth)	Dimension (mm)					Grade
			DC	CHW	OAL	APMX	DCONMS	TT5525
CFM	4060M	0.03-0.07	6	0.25	57	14	6	●
	4080M	0.03-0.08	8	0.3	63	18	8	●
	4100M	0.03-0.10	10	0.4	72	22	10	●
	4120M	0.04-0.11	12	0.5	83	26	12	●
	4160M	0.05-0.13	16	0.6	100	34	16	●
	4200M	0.05-0.17	20	0.6	110	42	20	●
	4250M	0.06-0.20	25	0.6	121	52	25	●

●: Standard items

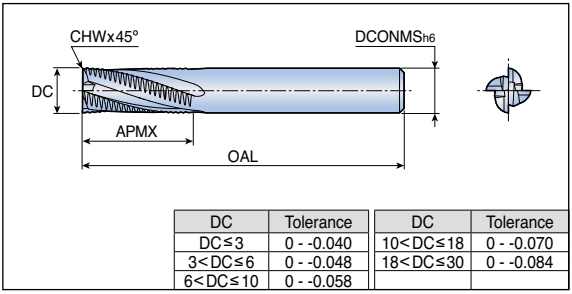
REL ...L

APEXMILL

3-4 flute rough long corner chamfer







DC	Tolerance	DC	Tolerance
DC≤3	0 - -0.040	10<DC≤18	0 - -0.070
3<DC≤6	0 - -0.048	18<DC≤30	0 - -0.084
6<DC≤10	0 - -0.058		

Designation		Feed (mm/tooth)	Dimension (mm)						Grade
			DC	NOF	CHW	OAL	APMX	DCONMS	TT5515
REL	3060L	0.03-0.06	6	3	0.38	57	16	6	●
	3080L	0.03-0.08	8	3	0.38	63	16	8	●
	4100L	0.03-0.09	10	4	0.61	72	22	10	●
	4120L	0.04-0.10	12	4	0.61	83	26	12	●
	4140L-14	0.05-0.11	14	4	0.61	83	26	14	●
	4160L	0.05-0.11	16	4	0.61	92	32	16	●
	4200L	0.05-0.11	20	4	0.61	104	38	20	●

• Weldon shank is available on request (Ordering example: RELW ....L)

●: Standard items

• NOF: Number of flutes

FSM 4...M

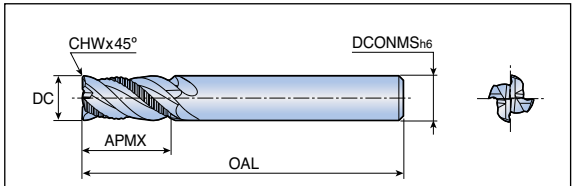
APEXMILL

4 flute medium corner chamfer



• MULTIMILL (Rough + Finish)





DC	Tolerance	DC	Tolerance
3<DC≤6	-0.020 - -0.038	10<DC≤18	-0.032 - -0.059
6<DC≤10	-0.025 - -0.047	18<DC≤30	-0.040 - -0.073

Designation		Feed (mm/tooth)	Dimension (mm)					Grade
			DC	CHW	OAL	APMX	DCONMS	TT5525
FSM	4060M	0.03-0.06	6	0.25	57	14	6	●
	4080M	0.03-0.08	8	0.3	63	18	8	●
	4100M	0.03-0.09	10	0.3	72	22	10	●
	4120M	0.04-0.11	12	0.4	83	26	12	●
	4140M	0.04-0.11	14	0.4	83	30	14	●
	4160M	0.05-0.11	16	0.6	92	34	16	●
	4200M	0.05-0.11	20	0.6	104	42	20	●
	4250M	0.06-0.11	25	0.6	121	52	25	●

●: Standard items

CEM 2...-C60

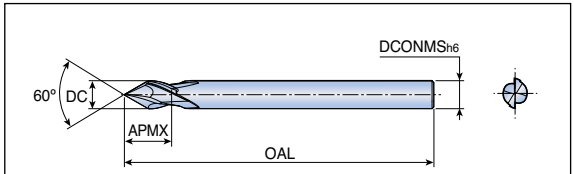
APEXMILL

2 flute, 60° chamfer



• Multi-function
- Chamfer boring, chamfer milling, side milling





DC	Tolerance
All	0 - -0.030

Designation		Feed (mm/tooth)	Dimension (mm)				Grade
			DC	OAL	APMX	DCONMS	UF10
CEM	2040-C60	0.02-0.04	4	70	7.5	6	●
	2060-C60	0.02-0.04	6	80	11.2	6	●
	2080-C60	0.03-0.06	8	90	14.9	8	●
	2100-C60	0.03-0.08	10	100	18.7	10	●
	2120-C60	0.04-0.09	12	110	22.4	12	●
	2160-C60	0.05-0.10	16	125	29.9	16	●
	2200-C60	0.05-0.10	20	150	37.3	20	●

●: Standard items

CEM 2

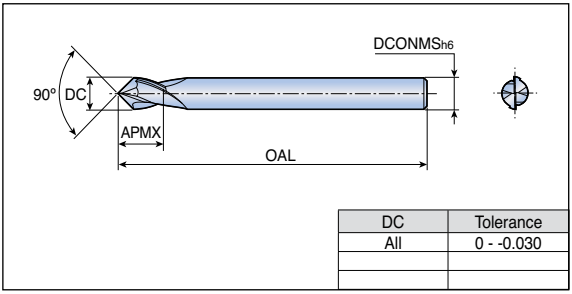
APEXMILL

2 flute, 90° chamfer



- Multi-function
  - Chamfer boring, chamfer milling, side milling, *centering, V-slot milling

2 | H·A 30° | Cutting Condition F130



DC	Tolerance
All	0 - -0.030

Designation		Feed (mm/tooth)	Dimension (mm)				Grade
			DC	OAL	APMX	DCONMS	UF10
CEM	2040	0.02-0.05	4	70	6	6	●
	2060	0.02-0.05	6	80	9	6	●
	2080	0.03-0.07	8	90	12	8	●
	2100	0.03-0.10	10	100	15	10	●
	2120	0.04-0.10	12	110	18	12	●
	2160	0.05-0.10	16	125	24	16	●
	2200	0.05-0.10	20	150	30	20	●

• *Centering of 90˚ is only applicable on cast iron & non-ferrous material

●: Standard items

CEM 2...-C120

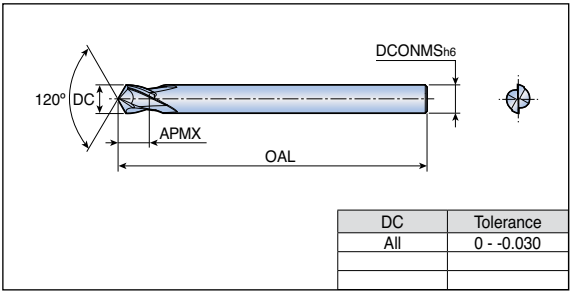
APEXMILL

2 flute, 120° chamfer



- Multi-function
  - Chamfer boring, chamfer milling, side milling, centering, V-slot milling, drilling

2 | H·A 30° | Cutting Condition F130



DC	Tolerance
All	0 - -0.030

Designation		Feed (mm/tooth)	Dimension (mm)				Grade
			DC	OAL	APMX	DCONMS	UF10
CEM	2040-C1204	0.02-0.05	4	70	5.2	6	●
	2060-C120	0.02-0.05	6	80	7.7	6	●
	2080-C120	0.03-0.07	8	90	10.3	8	●
	2100-C120	0.03-0.10	10	100	12.9	10	●
	2120-C120	0.04-0.10	12	110	15.5	12	●
	2160-C120	0.05-0.10	16	125	20.6	16	●
	2200-C120	0.05-0.10	20	150	25.8	20	●

●: Standard items

ECEM 2

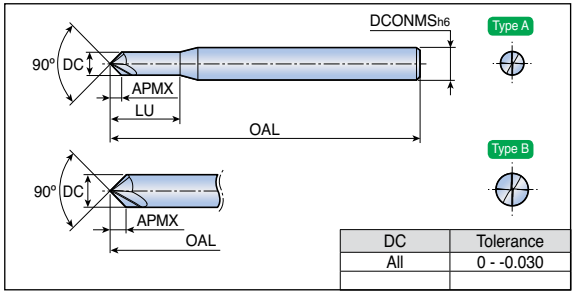
APEXMILL

2 flute, 90° chamfer - Economical type



- Multi-function
  -Chamfer boring, chamfer milling, centering, V-slot milling





DC	Tolerance
All	0 - -0.030

Designation		Feed (mm/tooth)	Dimension (mm)						Grade
			DC	OAL	APMX	LU	DCONMS	Type	UF10
ECEM	2020	0.01-0.03	2	57	1.0	6	6	A	●
	2030	0.01-0.04	3	57	1.5	9	6	A	●
	2040	0.02-0.05	4	57	2.0	12	6	A	●
	2060	0.02-0.05	6	57	2.9	-	6	B	●
	2080	0.03-0.07	8	63	3.8	-	8	B	●
	2100	0.03-0.10	10	72	4.9	-	10	B	●
	2120	0.04-0.10	12	83	5.9	-	12	B	●
	2160	0.05-0.10	16	92	7.9	-	16	B	●

●: Standard items

ECEM 4

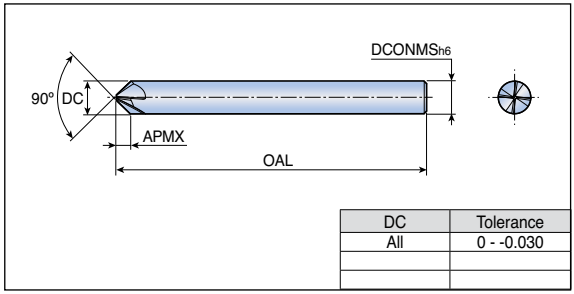
APEXMILL

4 flute, 90° chamfer - Economical type



- Chamfer milling





DC	Tolerance
All	0 - -0.030

Designation		Feed (mm/tooth)	Dimension (mm)				Grade
			DC	OAL	APMX	DCONMS	UF10
ECEM	4060	0.02-0.04	6	57	2.5	6	●
	4080	0.02-0.05	8	63	3.4	8	●
	4100	0.03-0.08	10	72	4.4	10	●
	4120	0.03-0.08	12	83	5.1	12	●

●: Standard items

SBT 3...U

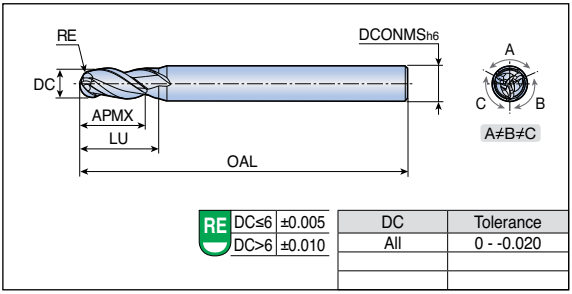
STARMILL

3 flute medium ball



- Excellent chatter damping due to unequal spacing of cutting edges





Designation	Dimension (mm)						Grade
	DC	RE	OAL	APMX	LU	DCONMS	TT5515
SBT 3040U	4	2	70	8	10	6	●
3060U	6	3	80	12	-	6	●
3080U	8	4	90	16	-	8	●
3100U	10	5	100	20	-	10	●
3120U	12	6	110	25	-	12	●

●: Standard items

SBT 4...U

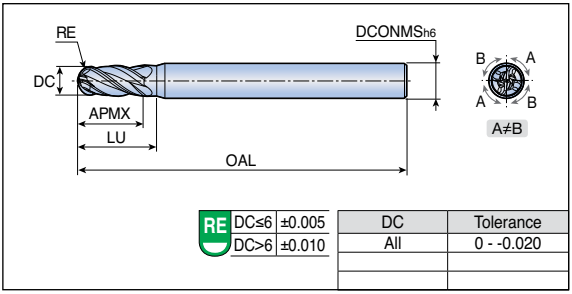
STARMILL

4 flute medium ball



- Excellent chatter damping due to unequal spacing of cutting edges





Designation	Dimension (mm)						Grade
	DC	RE	OAL	APMX	LU	DCONMS	TT5515
SBT 4040U	4	2	70	8	10	6	●
4060U	6	3	80	12	-	6	●
4080U	8	4	90	16	-	8	●
4100U	10	5	100	20	-	10	●
4120U	12	6	110	25	-	12	●

●: Standard items

SED 4...U

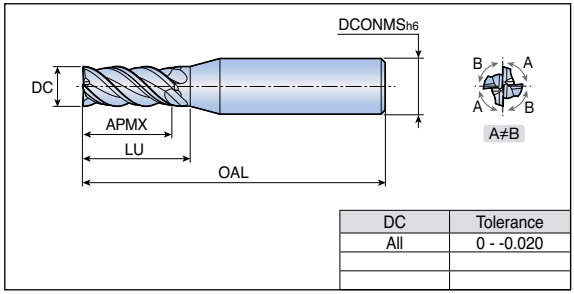
STARMILL

4 flute medium flat



- Excellent chatter damping credit to unequal spacing of cutting edges





DC	Tolerance
All	0 - -0.020

Designation	Feed (mm/tooth)	Dimension (mm)					Grade
		DC	OAL	APMX	LU	DCONMS	TT5515
SED 4030U	0.015-0.030	3	57	10	12	6	●
4040U	0.020-0.040	4	57	12	14	6	●
4050U	0.020-0.040	5	57	15	16	6	●
4060U	0.025-0.070	6	57	15	-	6	●
4080U	0.030-0.090	8	70	25	-	8	●
4100U	0.030-0.100	10	72	25	-	10	●
4120U	0.035-0.110	12	83	30	-	12	●
4160U	0.050-0.130	16	100	42	-	16	●
4200U	0.050-0.170	20	104	48	-	20	●

●: Standard items

SED 4...UL

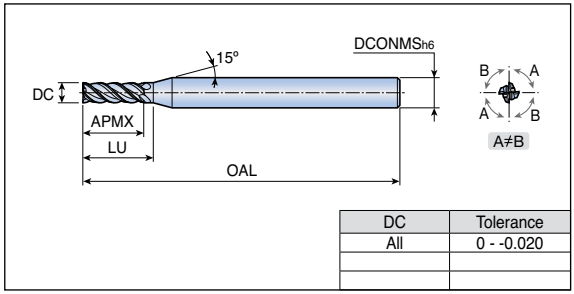
STARMILL

4 flute long flat



- Excellent chatter damping credit to unequal spacing of cutting edges





DC	Tolerance
All	0 - -0.020

Designation	Feed (mm/tooth)	Dimension (mm)					Grade
		DC	OAL	APMX	LU	DCONMS	TT5515
SED 4030UL	0.015-0.030	3	63	10	12	6	●
4040UL	0.020-0.040	4	63	12	14	6	●
4060UL	0.025-0.070	6	65	20	-	6	●
4080UL	0.030-0.090	8	83	30	-	8	●
4100UL	0.030-0.100	10	83	35	-	10	●
4120UL	0.035-0.110	12	92	40	-	12	●

●: Standard items

SED 4...U-R

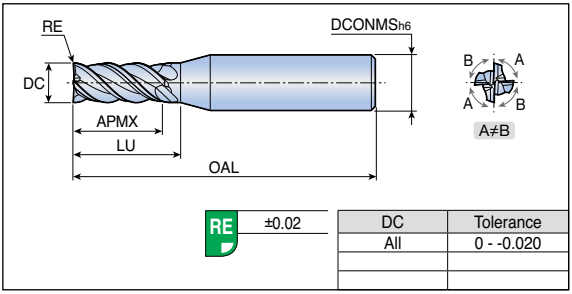
STARMILL

4 flute medium corner radius



- Excellent chatter damping credit to unequal spacing of cutting edges





DC	Tolerance
All	0 - -0.020

Designation	Feed (mm/tooth)	Dimension (mm)						Grade
		DC	RE	OAL	APMX	LU	DCONMS	TT5515
SED 4020U-R0.1	0.010-0.020	2	0.1	42	6	8	6	●
4030U-R0.2	0.015-0.030	3	0.2	57	10	12	6	●
4040U-R0.1	0.020-0.040	4	0.1	57	12	14	6	●
4040U-R0.2	0.020-0.040	4	0.2	57	12	14	6	●
4040U-R0.5	0.020-0.040	4	0.5	57	12	14	6	●
4050U-R0.15	0.020-0.040	5	0.15	57	15	16	6	●
4050U-R0.2	0.020-0.040	5	0.2	57	15	16	6	●
4060U-R0.2	0.025-0.070	6	0.2	57	15	-	6	●
4060U-R0.3	0.025-0.070	6	0.3	57	15	-	6	●
4060U-R0.5	0.025-0.070	6	0.5	57	15	-	6	●
4080U-R0.2	0.030-0.090	8	0.2	70	25	-	8	●
4080U-R0.3	0.030-0.090	8	0.3	70	25	-	8	●
4080U-R0.5	0.030-0.090	8	0.5	70	25	-	8	●
4100U-R0.2	0.030-0.100	10	0.2	72	25	-	10	●
4100U-R0.3	0.030-0.100	10	0.3	72	25	-	10	●
4100U-R0.5	0.030-0.100	10	0.5	72	25	-	10	●
4100U-R1.0	0.030-0.100	10	1.0	72	25	-	10	●
4120U-R0.3	0.035-0.110	12	0.3	83	30	-	12	●
4120U-R0.5	0.035-0.110	12	0.5	83	30	-	12	●
4120U-R1.0	0.035-0.110	12	1.0	83	30	-	12	●
4160U-R0.5	0.050-0.130	16	0.5	100	42	-	16	●
4160U-R1.0	0.050-0.130	16	1.0	100	42	-	16	●
4160U-R2.0	0.050-0.130	16	2.0	100	42	-	16	●
4160U-R3.0	0.050-0.130	16	3.0	100	42	-	16	●

●: Standard items

SED 4...U-C

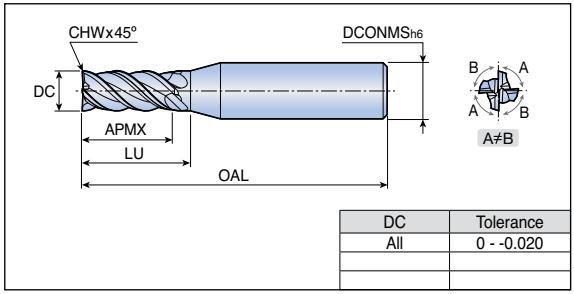
STARMILL

4 flute medium corner chamfer



- Excellent chatter damping credit to unequal spacing of cutting edges





DC	Tolerance
All	0 - -0.020

Designation		Feed (mm/tooth)	Dimension (mm)						Grade
			DC	CHW	OAL	APMX	LU	DCONMS	TT5515
SED	4040U-C0.1	0.020-0.040	4	0.1	57	12	14	6	●
	4060U-C0.2	0.030-0.060	6	0.2	57	15	-	6	●
	4080U-C0.3	0.030-0.090	8	0.3	70	25	-	8	●
	4100U-C0.3	0.030-0.100	10	0.3	72	25	-	10	●
	4120U-C0.4	0.035-0.110	12	0.4	83	30	-	12	●

●: Standard items

SED 7

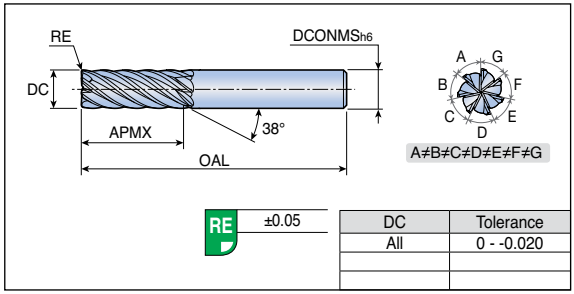
STARMILL

7 flute medium corner radius



- Excellent chatter damping credit to unequal spacing of cutting edges





DC	Tolerance
All	0 - -0.020

Designation	Feed (mm/tooth)	Dimension (mm)					Grade
		DC	RE	OAL	APMX	DCONMS	TT5515
SED 7060	0.02-0.04	6	0.5	57	15	6	●
7080	0.02-0.05	8	0.5	70	25	8	●
7100	0.03-0.07	10	0.5	72	25	10	●
7120	0.03-0.09	12	0.5	83	30	12	●
7160	0.04-0.11	16	0.5	100	42	16	●
7200	0.05-0.12	20	0.5	104	48	20	●

●: Standard items

SER

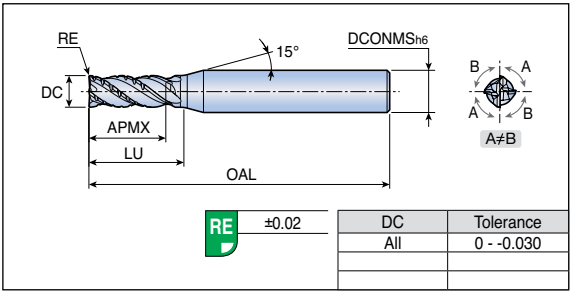
STARMILL

3-5 flute chip splitter type



- Excellent chatter damping credit to unequal spacing of cutting edges

3-5 | H·A 38° | Cutting Condition F130



RE ±0.02

DC	Tolerance
All	0 - -0.030

Designation	Feed (mm/tooth)		Dimension (mm)						Grade
			DC	RE	OAL	APMX	LU	DCONMS	TT5525
SER 3030M 020	0.010-0.030	3	3	0.2	52	8	10	6	●
3040M 020	0.020-0.040	3	4	0.2	52	10	12	6	●
4050M 020	0.020-0.040	4	5	0.2	57	13	18	6	●
4060M 020	0.025-0.070	4	6	0.2	57	13	-	6	●
4060M 050	0.025-0.070	4	6	0.5	57	13	-	6	●
4070M 020	0.025-0.070	4	7	0.2	63	18	25	8	●
4080M 020	0.030-0.090	4	8	0.2	63	19	-	8	●
4080M 100	0.030-0.090	4	8	1.0	63	19	-	8	●
4090M 030	0.030-0.090	4	9	0.3	72	20	30	10	●
4100M 030	0.030-0.100	4	10	0.3	72	22	-	10	●
4100M 100	0.030-0.100	4	10	1.0	72	22	-	10	●
4110M 030	0.030-0.100	4	11	0.3	83	25	35	12	●
4120M 030	0.035-0.110	4	12	0.3	83	26	-	12	●
4120M 100	0.035-0.110	4	12	1.0	83	26	-	12	●
5140M 050	0.035-0.110	5	14	0.5	92	28	40	16	●
5160M 050	0.050-0.130	5	16	0.5	92	32	-	16	●
5160M 150	0.050-0.130	5	16	1.5	92	32	-	16	●
5180M 050	0.050-0.130	5	18	0.5	110	38	55	20	●
5180M 200	0.050-0.130	5	18	2.0	110	38	55	20	●
5200M 050	0.050-0.170	5	20	0.5	110	38	-	20	●
5200M 200	0.050-0.170	5	20	2.0	110	38	-	20	●

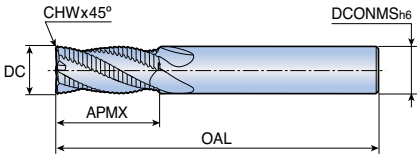
●: Standard items

TaeguTec

REH ...S

4-6 flute rough short corner chamfer





DC	Tolerance	DC	Tolerance
DC≤3	0 - -0.040	10< DC≤18	0 - -0.070
3< DC≤6	0 - -0.048	18< DC≤30	0 - -0.084
6< DC≤10	0 - -0.058		

4-6 | H·A 45° | Cutting Condition F130

Designation		Feed (mm/tooth)	Dimension (mm)						Grade
			DC	NOF	CHW	OAL	APMX	DCONMS	TT5525
REH	4060S	0.04-0.12	6	4	0.25	54	7	6	●
	4080S	0.05-0.16	8	4	0.30	58	9	8	●
	4100S	0.06-0.18	10	4	0.36	66	14	10	●
	4120S	0.06-0.20	12	4	0.36	73	16	12	●
	5160S	0.08-0.22	16	5	0.36	82	22	16	●
	6200S	0.08-0.22	20	6	0.36	92	26	20	●

• Weldon shank is available on request (Ordering example: REHW ....S)
• NOF: Number of flutes

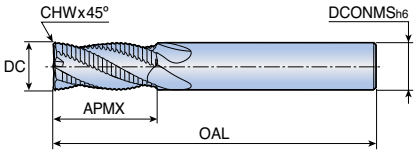
●: Standard items

REH ...M

STARMILL

3-6 flute rough medium corner chamfer





DC	Tolerance	DC	Tolerance
DC≤3	0 - -0.040	10< DC≤18	0 - -0.070
3< DC≤6	0 - -0.048	18< DC≤30	0 - -0.084
6< DC≤10	0 - -0.058		

3-6 | H·A 45° | Cutting Condition F130

Designation	Feed (mm/tooth)	Dimension (mm)						Grade
		DC	NOF	CHW	OAL	APMX	DCONMS	TT5525
REH 3040M	0.02-0.05	4	3	0.15	57	11	6	●
4050M	0.02-0.05	5	4	0.20	57	13	6	●
4060M	0.04-0.12	6	4	0.25	57	16	6	●
4070M	0.05-0.16	7	4	0.28	63	16	8	●
4080M	0.05-0.16	8	4	0.30	63	16	8	●
4090M	0.06-0.18	9	4	0.33	72	19	10	●
4100M	0.06-0.18	10	4	0.36	72	22	10	●
4120M	0.06-0.20	12	4	0.36	83	26	12	●
5140M-14	0.08-0.22	14	5	0.36	83	26	14	●
5160M	0.08-0.22	16	5	0.36	92	32	16	●
6200M	0.08-0.22	20	6	0.36	104	38	20	●
6250M	0.08-0.22	25	6	0.36	121	45	25	●

• Weldon shank is available on request (Ordering example: REHW ....M)

●: Standard items

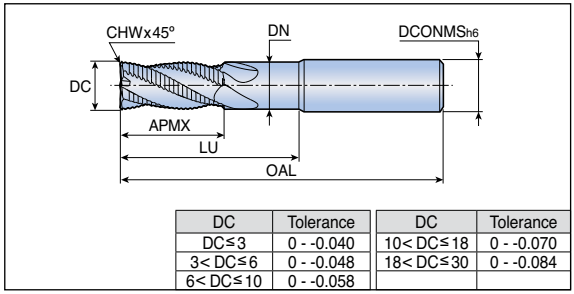
TaeguTec

REH ...L

STARMILL

4-6 flute rough long neck corner chamfer





DC	Tolerance	DC	Tolerance
DC≤3	0 - -0.040	10< DC≤18	0 - -0.070
3< DC≤6	0 - -0.048	18< DC≤30	0 - -0.084
6< DC≤10	0 - -0.058		

4-6 | H·A 45° | Cutting Condition F130

Designation	Feed (mm/tooth)	Dimension (mm)								Grade
		DC	NOF	CHW	OAL	APMX	LU	DN	DCONMS	TT5525
REH 4060L	0.04-0.12	6	4	0.25	57	16	20	5.5	6	●
4080L	0.05-0.16	8	4	0.30	63	16	26	7.5	8	●
4100L	0.06-0.18	10	4	0.36	72	22	31	9.5	10	●
4120L	0.06-0.20	12	4	0.36	83	26	37	11.5	12	●
5160L	0.08-0.22	16	5	0.36	100	32	51	15.5	16	●
6200L	0.08-0.22	20	6	0.36	110	38	59	19.2	20	●

• Weldon shank is available on request (Ordering example: REHW ....L)

●: Standard items

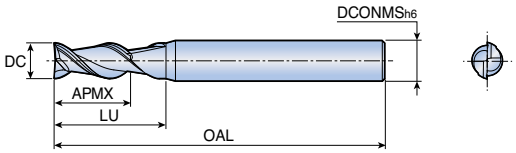
• NOF: Number of flutes

AES 2

ALUMILL

2 flute medium flat





DC	Tolerance
All	0 - -0.012

2 | H·A 45° | Cutting Condition F130

Designation	Feed (mm/tooth)	Dimension (mm)					Grade
		DC	OAL	APMX	LU	DCONMS	UF10
AES 2010	0.02-0.04	1.0	40	3	5	4	●
2010-6	0.02-0.04	1.0	47	3	5	6	●
2015-6	0.02-0.04	1.5	47	3	5	6	●
2020	0.02-0.04	2.0	40	6	8	4	●
2020-6	0.02-0.04	2.0	47	6	8	6	●
2025	0.02-0.05	2.5	40	8	10	4	●
2025-6	0.02-0.05	2.5	47	8	10	6	●
2030	0.02-0.05	3.0	47	10	13	6	●
2035	0.02-0.05	3.5	47	10	13	6	●
2040	0.02-0.05	4.0	47	12	15	6	●
2050	0.02-0.06	5.0	52	15	20	6	●
2060	0.03-0.07	6.0	52	15	-	6	●
2070	0.03-0.09	7.0	60	20	26	8	●
2080	0.03-0.09	8.0	60	20	-	8	●
2090	0.03-0.10	9.0	68	25	31	10	●
2100	0.03-0.10	10.0	68	25	31	10	●
2110	0.03-0.12	11.0	76	30	37	12	●
2120	0.03-0.12	12.0	76	30	-	12	●
2130	0.03-0.12	13.0	85	35	40	14	●
2140	0.05-0.14	14.0	85	35	40	14	●
2150	0.05-0.14	15.0	90	40	50	16	●
2160	0.05-0.14	16.0	90	40	-	16	●
2170	0.05-0.15	17.0	110	45	55	18	●
2180	0.05-0.15	18.0	110	45	55	18	●
2190	0.05-0.15	19.0	110	45	55	20	●
2200	0.05-0.15	20.0	110	45	-	20	●

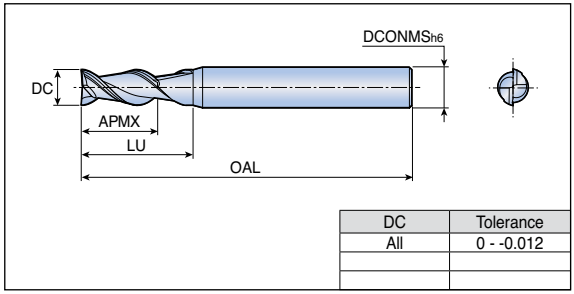
●: Standard items

AES 2...XL

ALUMILL

2 flute extra long flat





DC	Tolerance
All	0 - -0.012



Designation	Feed (mm/tooth)	Dimension (mm)					Grade
		DC	OAL	APMX	LU	DCONMS	UF10
AES 2020XL	0.02-0.04	2	60	12	15	4	●
2030XL	0.02-0.04	3	70	20	23	6	●
2040XL	0.02-0.04	4	70	25	28	6	●
2050XL	0.02-0.06	5	80	30	35	6	●
2060XL	0.03-0.07	6	80	30	-	6	●
2080XL	0.03-0.09	8	90	40	-	8	●
2100XL	0.03-0.10	10	100	50	-	10	●
2120XL	0.03-0.12	12	110	55	-	12	●
2160XL	0.05-0.14	16	125	70	-	16	●
2200XL	0.05-0.15	20	150	75	-	20	●

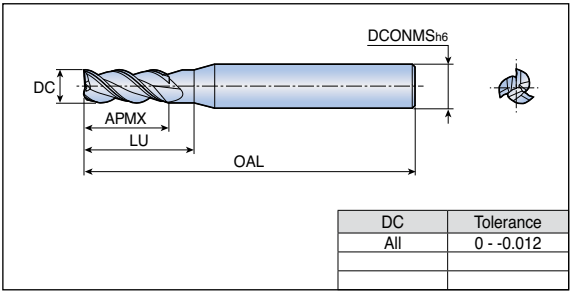
●: Standard items

AES 3

ALUMILL

3 flute medium flat





DC	Tolerance
All	0 - -0.012

3 | H·A 45° | Cutting Condition F130

Designation	Feed (mm/tooth)	Dimension (mm)					Grade
		DC	OAL	APMX	LU	DCONMS	UF10
AES 3020-6	0.02-0.04	2	47	6	8	6	●
3030	0.02-0.05	3	47	10	13	6	●
3040	0.02-0.05	4	47	12	15	6	●
3050	0.02-0.06	5	52	15	20	6	●
3060	0.03-0.07	6	52	15	-	6	●
3070	0.03-0.09	7	60	20	26	8	●
3080	0.03-0.09	8	60	20	-	8	●
3090	0.03-0.10	9	68	25	31	10	●
3100	0.03-0.10	10	68	25	-	10	●
3110	0.03-0.12	11	76	30	37	12	●
3120	0.03-0.12	12	76	30	-	12	●
3130	0.03-0.12	13	85	35	40	14	●
3140	0.05-0.14	14	85	35	40	14	●
3150	0.05-0.14	15	90	40	50	16	●
3160	0.05-0.14	16	90	40	-	16	●
3180	0.05-0.15	18	110	45	55	18	●
3200	0.05-0.15	20	110	45	-	20	●
3250	0.05-0.15	25	140	65	-	25	●

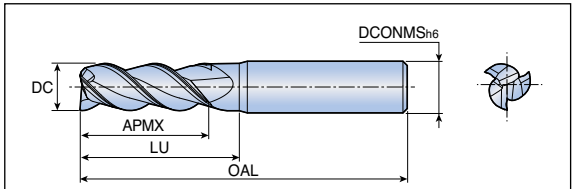
●: Standard items

AES 3...ML

ALUMILL

3 flute long flat





DC	Tolerance
All	0 - -0.012

3 | H·A 45° | Cutting Condition F130

Designation	Feed (mm/tooth)	Dimension (mm)					Grade
		DC	OAL	APMX	LU	DCONMS	UF10
AES 3030ML	0.02-0.05	3	60	15	18	6	●
3040ML	0.02-0.05	4	60	20	25	6	●
3050ML	0.02-0.06	5	65	25	30	6	●
3060ML	0.03-0.07	6	65	25	-	6	●
3070ML	0.03-0.09	7	75	30	35	8	●
3080ML	0.03-0.09	8	75	30	-	8	●
3090ML	0.03-0.10	9	80	35	40	10	●
3100ML	0.03-0.10	10	80	35	-	10	●
3120ML	0.03-0.12	12	95	40	-	12	●
3140ML	0.05-0.14	14	110	55	62	16	●
3160ML	0.05-0.14	16	110	55	-	16	●
3180ML	0.05-0.15	18	125	60	70	20	●
3200ML	0.05-0.15	20	125	60	-	20	●

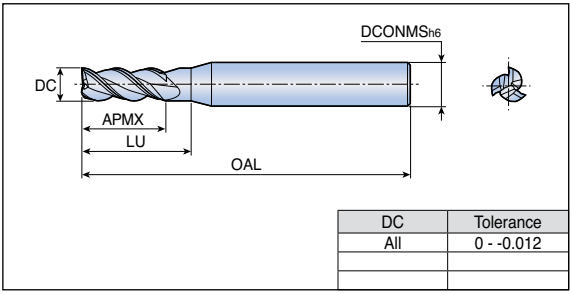
●: Standard items

AES 3...XL

ALUMILL

3 flute extra long flat





DC	Tolerance
All	0 - -0.012

3 | H·A 45° | Cutting Condition F130

Designation	Feed (mm/tooth)	Dimension (mm)					Grade
		DC	OAL	APMX	LU	DCONMS	UF10
AES 3060XL	0.03-0.07	6	80	30	-	6	●
3080XL	0.03-0.09	8	90	40	-	8	●
3100XL	0.03-0.10	10	100	50	-	10	●
3120XL	0.03-0.12	12	110	55	-	12	●
3160XL	0.05-0.14	16	125	70	-	16	●
3180XL	0.05-0.15	18	150	75	85	20	●
3180XL(80x150)	0.05-0.15	18	150	80	90	20	●
3200XL	0.05-0.15	20	150	75	-	20	●
3200XL(80x150)	0.05-0.15	20	150	80	-	20	●

●: Standard items

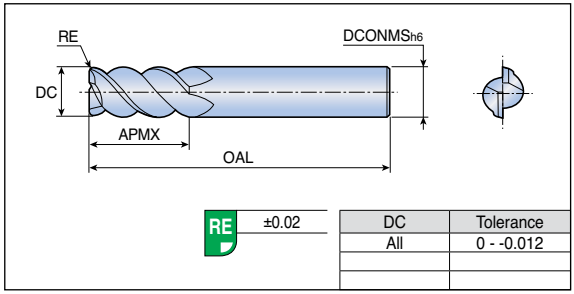
TaeguTec

AES 2...R

ALUMILL

2 flute medium corner radius





2 | H·A 45° | Cutting Condition F130

RE ±0.02

DC	Tolerance
All	0 - -0.012

Designation	Feed (mm/tooth)	Dimension (mm)					Grade
		DC	RE	OAL	APMX	DCONMS	UF10
AES 2060-R0.5	0.03-0.07	6	0.5	52	15	6	●
2060-R1.0	0.03-0.07	6	1.0	52	15	6	●
2060-R2.0	0.03-0.07	6	2.0	52	15	6	●
2080-R0.5	0.03-0.09	8	0.5	60	20	8	●
2080-R1.0	0.03-0.09	8	1.0	60	20	8	●
2080-R2.0	0.03-0.09	8	2.0	60	20	8	●
2080-R3.0	0.03-0.09	8	3.0	60	20	8	●
2100-R1.0	0.03-0.10	10	1.0	68	25	10	●
2100-R1.5	0.03-0.10	10	1.5	68	25	10	●
2100-R2.0	0.03-0.10	10	2.0	68	25	10	●
2100-R3.0	0.03-0.10	10	3.0	68	25	10	●
2100-R4.0	0.03-0.10	10	4.0	68	25	10	●
2120-R1.0	0.03-0.12	12	1.0	76	30	12	●
2120-R2.0	0.03-0.12	12	2.0	76	30	12	●
2120-R3.0	0.03-0.12	12	3.0	76	30	12	●
2120-R4.0	0.03-0.12	12	4.0	76	30	12	●
2140-R1.0	0.05-0.14	14	1.0	85	35	14	●
2140-R2.0	0.05-0.14	14	2.0	85	35	14	●
2140-R3.0	0.05-0.14	14	3.0	85	35	14	●
2140-R4.0	0.05-0.14	14	4.0	85	35	14	●
2140-R5.0	0.05-0.14	14	5.0	85	35	14	●
2160-R1.0	0.05-0.14	16	1.0	90	40	16	●
2160-R2.0	0.05-0.14	16	2.0	90	40	16	●
2160-R3.0	0.05-0.14	16	3.0	90	40	16	●
2160-R4.0	0.05-0.14	16	4.0	90	40	16	●
2160-R5.0	0.05-0.14	16	5.0	90	40	16	●

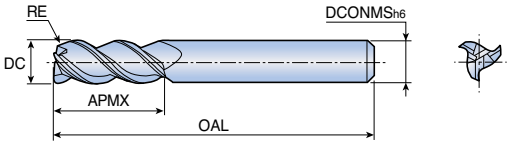
●: Standard items

AES 3...R

ALUMILL

3 flute medium corner radius





3 | H·A 45° | Cutting Condition F130

RE ±0.02

DC	Tolerance
All	0 - -0.012

Designation	Feed (mm/tooth)	Dimension (mm)					Grade
		DC	RE	OAL	APMX	DCONMS	UF10
AES 3060-R0.5	0.03-0.07	6	0.5	52	15	6	●
3060-R1.0	0.03-0.07	6	1.0	52	15	6	●
3060-R2.0	0.03-0.07	6	2.0	52	15	6	●
3080-R0.5	0.03-0.09	8	0.5	60	20	8	●
3080-R1.0	0.03-0.09	8	1.0	60	20	8	●
3080-R2.0	0.03-0.09	8	2.0	60	20	8	●
3100-R1.0	0.03-0.10	10	1.0	68	25	10	●
3100-R1.5	0.03-0.10	10	1.5	68	25	10	●
3100-R2.0	0.03-0.10	10	2.0	68	25	10	●
3100-R3.0	0.03-0.10	10	3.0	68	25	10	●
3100-R4.0	0.03-0.10	10	4.0	68	25	10	●
3120-R1.0	0.03-0.12	12	1.0	76	30	12	●
3120-R2.0	0.03-0.12	12	2.0	76	30	12	●
3120-R3.0	0.03-0.12	12	3.0	76	30	12	●
3120-R4.0	0.03-0.12	12	4.0	76	30	12	●
3160-R1.0	0.05-0.14	16	1.0	90	40	16	●
3160-R2.0	0.05-0.14	16	2.0	90	40	16	●
3160-R3.0	0.05-0.14	16	3.0	90	40	16	●

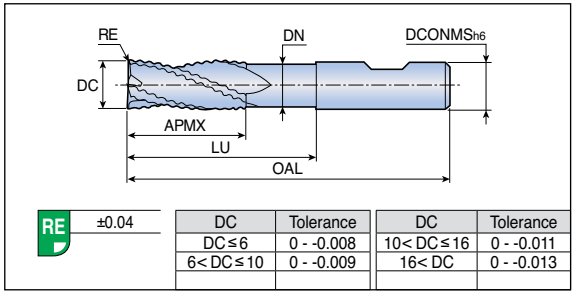
●: Standard items

REMA 3/ 3...C

ALUMILL

3 flute rough corner radius





3 | H·A 45° | Cutting Condition F130

RE ±0.04

DC	Tolerance	DC	Tolerance
DC≤6	0 - -0.008	10< DC≤16	0 - -0.011
6< DC≤10	0 - -0.009	16< DC	0 - -0.013

Designation		Feed (mm/tooth)	Dimension (mm)							Grade
Cylindrical shank	Welden shank		DC	RE	OAL	APMX	LU	DN	DCONMS	UF10
REMA 3060C	**REMA 3060**	0.03-0.07	6	0.2	57	9	21	5.5	6	●
3080C	**3080**	0.03-0.11	8	0.2	63	12	27	7.2	8	●
3100C	**3100**	0.05-0.14	10	0.2	72	12	31	9.0	10	●
3120C	**3120**	0.07-0.16	12	0.2	83	12	37	11.0	12	●
3160C	**3160**	0.07-0.18	16	0.2	92	14	43	15.0	16	●
3200C	**3200**	0.07-0.20	20	0.2	104	17	53	18.8	20	●

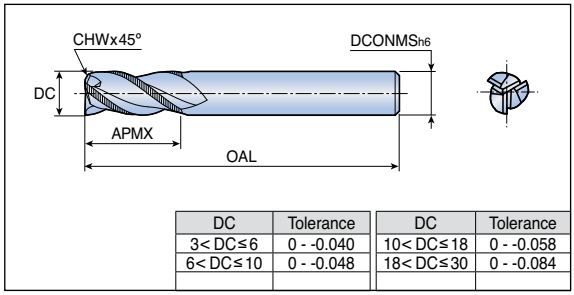
●: Standard items

REA 3...L

ALUMILL

3 flute rough corner chamfer





3 | H·A 30° | Cutting Condition F130

DC	Tolerance	DC	Tolerance
3< DC≤6	0 - -0.040	10< DC≤18	0 - -0.058
6< DC≤10	0 - -0.048	18< DC≤30	0 - -0.084

Designation	Feed (mm/tooth)	Dimension (mm)					Grade
		DC	CHW	OAL	APMX	DCONMS	UF10
REA 3060L	0.03-0.07	6	0.61	57	16	6	●
3080L	0.03-0.15	8	0.61	63	16	8	●
3100L	0.05-0.20	10	0.61	72	22	10	●
3120L	0.07-0.22	12	0.66	83	26	12	●
3140L-14	0.07-0.22	14	0.99	83	26	14	●
3160L	0.07-0.25	16	0.99	92	32	16	●
3200L	0.07-0.25	20	0.99	104	38	20	●

●: Standard items

AWE 3

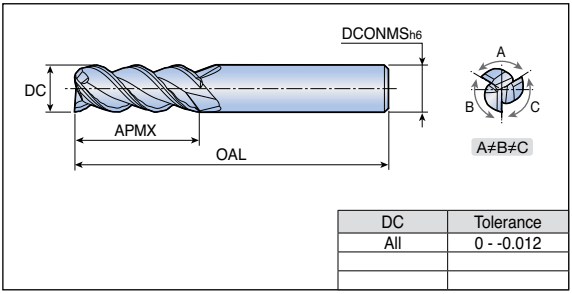
ALUMILL

3 flute wave flat



• Wave cutting edge





DC	Tolerance
All	0 - -0.012

Designation	Feed (mm/tooth)	Dimension (mm)				Grade
		DC	OAL	APMX	DCONMS	UF10
AWE 3060	0.03-0.07	6	52	14	6	●
3080	0.03-0.09	8	60	14	8	●
3100	0.03-0.10	10	68	19	10	●
3120	0.03-0.12	12	76	22	12	●
3140	0.05-0.14	14	85	24	14	●
3160	0.05-0.14	16	90	30	16	●
3180	0.05-0.15	18	110	34	18	●
3200	0.05-0.15	20	110	38	20	●

●: Standard items

AWE 3...ML

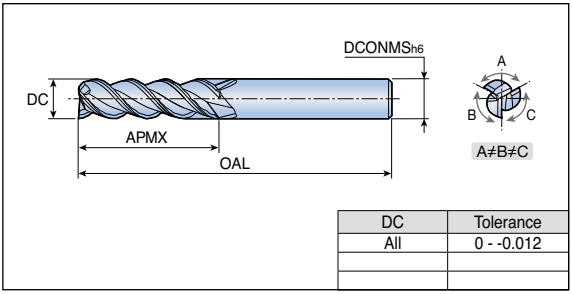
ALUMILL

3 flute wave long flat



• Wave cutting edge





DC	Tolerance
All	0 - -0.012

Designation	Feed (mm/tooth)	Dimension (mm)				Grade
		DC	OAL	APMX	DCONMS	UF10
AWE 3060ML	0.03-0.07	6	65	20	6	●
3080ML	0.03-0.09	8	75	20	8	●
3100ML	0.03-0.10	10	80	25	10	●
3120ML	0.03-0.12	12	95	30	12	●
3140ML	0.03-0.12	14	110	35	14	●
3160ML	0.05-0.14	16	110	40	16	●
3180ML	0.05-0.15	18	125	45	18	●
3200ML	0.05-0.15	20	125	45	20	●

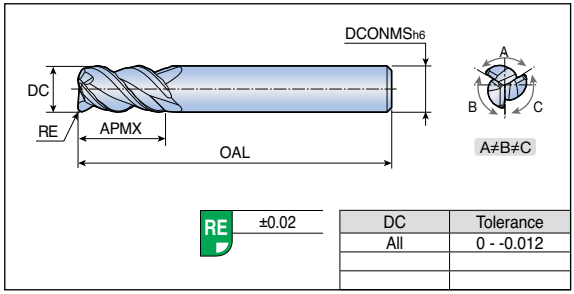
●: Standard items

AWE 3...ML-R

ALUMILL

3 flute wave long corner radius





• Wave cutting edge

3 | H·A 50° | Wave | Cutting Condition F130

RE ±0.02

DC	Tolerance
All	0 - -0.012

Designation		Feed (mm/tooth)	Dimension (mm)				Grade
			DC	OAL	APMX	DCONMS	UF10
AWE	3060ML-R0.5	0.03-0.07	6	65	20	6	●
	3080ML-R0.5	0.03-0.09	8	75	20	8	●
	3100ML-R1.0	0.03-0.10	10	80	25	10	●
	3120ML-R1.0	0.03-0.12	12	95	30	12	●

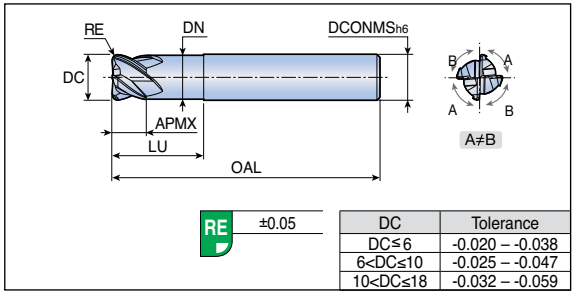
●: Standard items

CRF 4

CERAMICSFEED

4 flute, Ceramic end mills





4 | H·A 40° | Cutting Condition F132

RE ±0.05

DC	Tolerance
DC≤6	-0.020 – -0.038
6<DC≤10	-0.025 – -0.047
10<DC≤18	-0.032 – -0.059

Designation		Feed (mm/tooth)	Dimension (mm)						Grade
			DC	RE	OAL	APMX	LU	DN	DCONMS	TC3030
CRF	4060 050 120	0.02-0.03	6	0.5	50	4.5	12	5.8	6	●
	4080 100 160	0.02-0.03	8	1.0	57	6.0	16	7.7	8	●
	4100 100 200	0.02-0.04	10	1.0	63	7.5	20	9.6	10	●
	4120 150 240	0.03-0.05	12	1.5	70	9.0	24	11.5	12	●
	4160 200 320	0.03-0.05	16	2.0	83	12.0	32	15.5	16	●

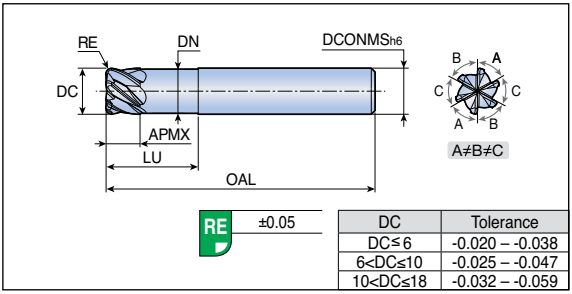
●: Standard items

CRF 6

CERAMICSFEED

6 flute, Ceramic end mills





RE ±0.05

DC	Tolerance
DC≤6	-0.020 – -0.038
6<DC≤10	-0.025 – -0.047
10<DC≤18	-0.032 – -0.059

Designation	Feed (mm/tooth)	Dimension (mm)							Grade
		DC	RE	OAL	APMX	LU	DN	DCONMS	TC3030
CRF 6060 050 120	0.02-0.03	6	0.5	50	4.5	12	5.8	6	●
6080 100 160	0.02-0.03	8	1.0	57	6.0	16	7.7	8	●
6100 100 200	0.02-0.04	10	1.0	63	7.5	20	9.6	10	●
6120 150 240	0.03-0.05	12	1.5	70	9.0	24	11.5	12	●
6160 200 320	0.03-0.05	16	2.0	83	12.0	32	15.5	16	●

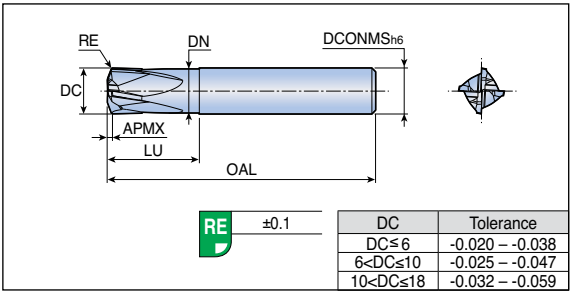
●: Standard items

CRH 4

CERAMICSFEED

4 flute, Ceramic end mills for high feed milling





RE ±0.1

DC	Tolerance
DC≤6	-0.020 – -0.038
6<DC≤10	-0.025 – -0.047
10<DC≤18	-0.032 – -0.059

Designation	Feed (mm/tooth)	Dimension (mm)							Grade
		DC	RE	OAL	APMX	LU	DN	DCONMS	TC3030
CRH 4060	0.1-0.15	6	0.7	50	0.55	12	5.8	6	●
4080	0.1-0.2	8	0.9	57	0.75	16	7.7	8	●
4100	0.1-0.2	10	1.0	63	0.85	20	9.6	10	●
4120	0.1-0.3	12	1.4	70	1.15	24	11.5	12	●
4160	0.1-0.3	16	1.8	83	1.55	32	15.5	16	●

• RE: Program corner R

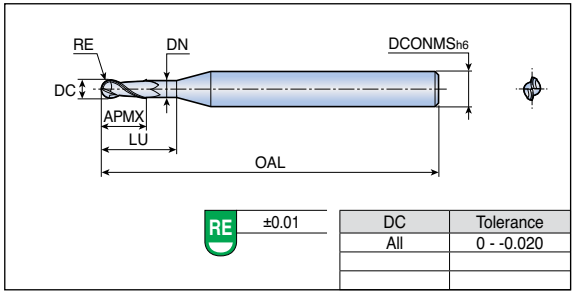
●: Standard items

DMB 2

DIAMILL

2 flute miniature ball







RE ±0.01

DC	Tolerance
All	0 - -0.020

Designation		Dimension (mm)							Grade
		DC	RE	OAL	APMX	LU	DN	DCONMS	TT6050
DMB	**2006-0.6x3.0**	0.6	0.3	40	0.6	3.0	0.55	3	●
	2010-1.0x5.0	1.0	0.5	40	1.0	5.0	0.95	3	●
	2010-1.0x8.5	1.0	0.5	40	1.0	8.5	0.95	3	●
	2015-1.5x7.5	1.5	0.75	50	1.5	7.5	1.4	3	●
	2015-1.5x12.0	1.5	0.75	50	1.5	12.0	1.4	3	●
	2020-2.2x10.0	2.0	1.0	60	2.2	10.0	1.9	3	●
	2020-2.2x16.0	2.0	1.0	60	2.2	16.0	1.9	3	●

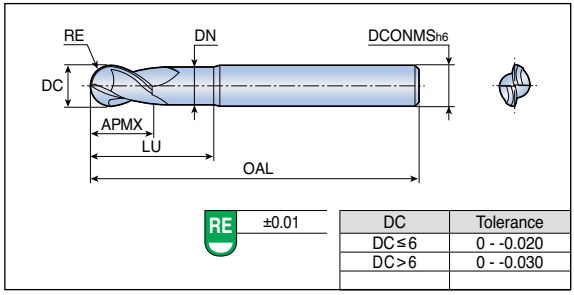
●: Standard items

DEB 2...S

DIAMILL

2 flute short ball







RE ±0.01

DC	Tolerance
DC≤6	0 - -0.020
DC>6	0 - -0.030

Designation		Dimension (mm)							Grade
		DC	RE	OAL	APMX	LU	DN	DCONMS	TT6050
DEB	**2030S**	3	1.5	60	4.5	6.5	2.8	6	●
	2040S	4	2.0	65	6.0	8.0	3.7	6	●
	2060S	6	3.0	75	9.0	12.0	5.6	6	●
	2120S	12	6.0	90	18.0	36.0	11.4	12	●

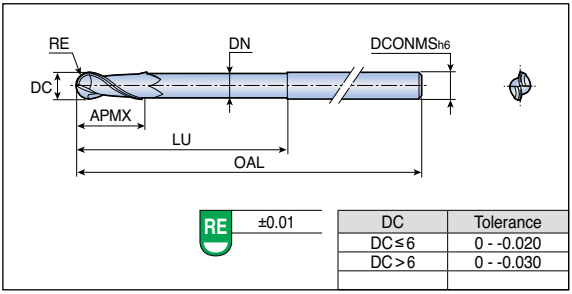
●: Standard items

DEB 2...L

DIAMILL

2 flute long neck ball





2 | H·A 30° | Cutting Condition F130

RE ±0.01

DC	Tolerance
DC≤6	0 - -0.020
DC>6	0 - -0.030

Designation	Dimension (mm)							Grade
	DC	RE	OAL	APMX	LU	DN	DCONMS	TT6050
DEB 2030L-4	3	1.5	80	15	25	2.9	4	●
2040L-4	4	2.0	80	20	30	3.9	4	●
2050L	5	2.5	100	30	50	4.9	6	●
2060L	6	3.0	100	30	50	5.5	6	●
2080L	8	4.0	110	40	60	7.5	8	●
2100L	10	5.0	120	50	70	9.5	10	●
2120L	12	6.0	130	55	75	11.5	12	●

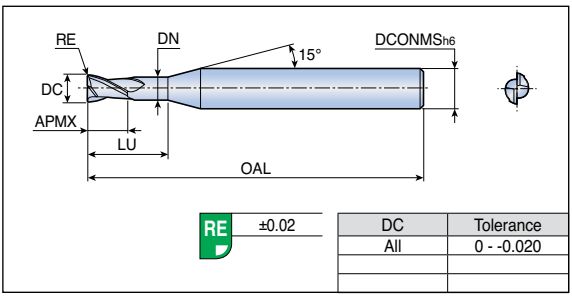
●: Standard items

DMR 2

DIAMILL

2 flute miniature corner radius





2 | H·A 30° | Cutting Condition F130

RE ±0.02

DC	Tolerance
All	0 - -0.020

Designation	Feed (mm/tooth)	Dimension (mm)							Grade
		DC	RE	OAL	APMX	LU	DN	DCONMS	TT6050
DMR 2006-0.9x3.0	0.006-0.010	0.6	0.05	40	0.9	3.0	0.55	3	●
2008-1.2x4.0	0.008-0.015	0.8	0.05	40	1.2	4.0	0.75	3	●
2010-1.5x5.0	0.010-0.020	1.0	0.1	40	1.5	5.0	0.95	3	●
2010-1.5x8.5	0.010-0.020	1.0	0.1	40	1.5	8.5	0.95	3	●
2012-1.8x6.0	0.010-0.025	1.2	0.1	50	1.8	6.0	1.15	3	●
2015-2.2x7.5	0.015-0.035	1.5	0.15	50	2.2	7.5	1.4	3	●
2015-2.2x12.0	0.015-0.030	1.5	0.15	50	2.2	12.0	1.4	3	●
2020-2.2x10.0	0.015-0.040	2.0	0.15	60	2.2	10.0	1.9	3	●
2020-2.2x16.0	0.015-0.035	2.0	0.15	60	2.2	16.0	1.9	3	●

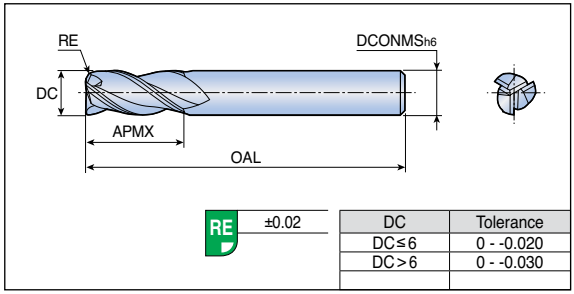
●: Standard items

DER 3...S

DIAMILL

3 flute short corner radius





3 | H·A 40° | Cutting Condition F130

RE ±0.02

DC	Tolerance
DC≤6	0 - -0.020
DC>6	0 - -0.030

Designation		Feed (mm/tooth)	Dimension (mm)					Grade
			DC	RE	OAL	APMX	DCONMS	TT6050
DER	3030S-3	0.025-0.050	3	0.15	40	12	3	●
	3040S-4	0.040-0.060	4	0.2	50	14	4	●
	3050S-5	0.050-0.080	5	0.3	50	16	5	●
	3060S	0.060-0.090	6	0.3	65	20	6	●
	3080S	0.070-0.100	8	0.5	65	20	8	●
	3100S	0.080-0.130	10	0.5	75	25	10	●
	3120S	0.100-0.150	12	0.5	75	25	12	●

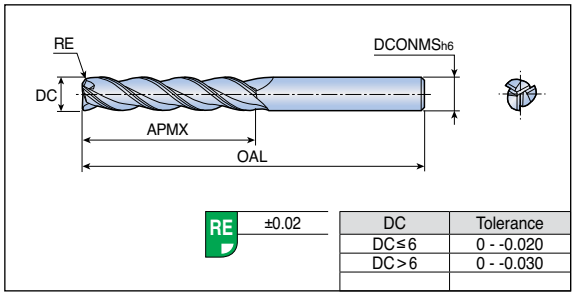
●: Standard items

DER 3...L

DIAMILL

3 flute long corner radius





3 | H·A 40° | Cutting Condition F130

RE ±0.02

DC	Tolerance
DC≤6	0 - -0.020
DC>6	0 - -0.030

Designation		Feed (mm/tooth)	Dimension (mm)					Grade
			DC	RE	OAL	APMX	DCONMS	TT6050
DER	3040L-4	0.03-0.05	4	0.2	60	30	4	●
	3050L-5	0.04-0.07	5	0.3	70	35	5	●
	3060L	0.05-0.08	6	0.3	100	40	6	●
	3080L	0.06-0.09	8	0.5	100	40	8	●
	3100L	0.07-0.12	10	0.5	100	40	10	●
	3120L	0.09-0.14	12	0.5	100	45	12	●

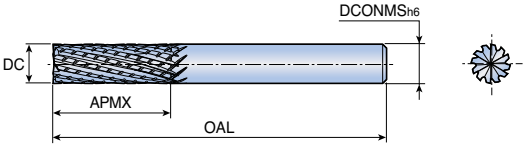
●: Standard items

RRFE

DIAMILL

Roughing for composite material





DC	Tolerance
All	-0.02 - -0.08

6-12 | H·A 15° | Cutting Condition F133

Designation		Feed (mm/tooth)	Dimension (mm)					Grade
			DC	NOF	OAL	APMX	DCONMS	TTD610
RRFE	040	0.01-0.02	4	6	50	12	4	●
	060	0.01-0.02	6	8	65	18	6	●
	080	0.01-0.03	8	10	75	24	8	●
	100	0.02-0.04	10	12	85	30	10	●
	120	0.02-0.05	12	12	100	36	12	●

• NOF: Number of flutes

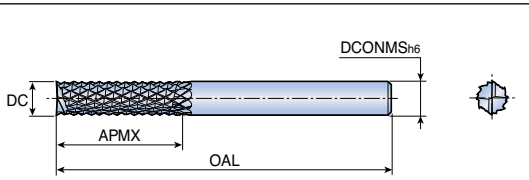
●: Standard items

RCFE

DIAMILL

Roughing for composite material





DC	Tolerance
All	-0.02 - -0.08

H·A 28° | Cutting Condition F133

Designation		Feed (mm/rev)	Dimension (mm)				Grade
			DC	OAL	APMX	DCONMS	TTD610
RCFE	040	0.03-0.06	4	50	12	4	●
	060	0.07-0.15	6	65	18	6	●
	080	0.10-0.20	8	75	24	8	●
	100	0.15-0.30	10	85	30	10	●
	120	0.20-0.40	12	100	36	12	●

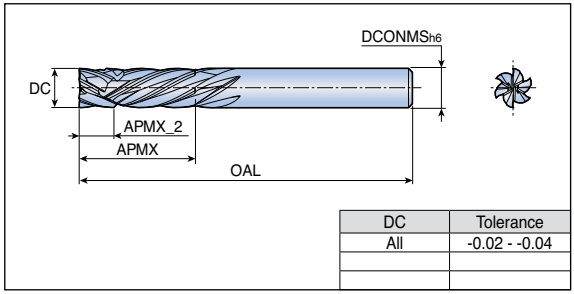
●: Standard items

RCOM

DIAMILL

4,6 flute finishing for composite material





DC	Tolerance
All	-0.02 - -0.04

4,6 | H·A 30° | Cutting Condition F133

Designation		Feed (mm/tooth)	Dimension (mm)						Grade
			DC	NOF	OAL	APMX	APMX_2	DCONMS	TTD610
RCOM	**4060**	0.02-0.04	6	4	65	18	3	6	●
	4080	0.02-0.05	8	4	75	24	4	8	●
	6100	0.03-0.06	10	6	85	30	5	10	●
	6120	0.04-0.08	12	6	100	36	6	12	●

• NOF: Number of flutes

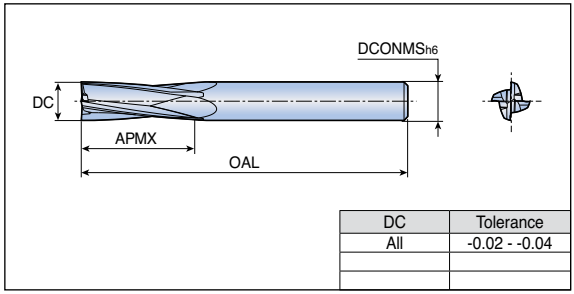
●: Standard items

RDCF 4

DIAMILL

4 flute finishing for composite material





DC	Tolerance
All	-0.02 - -0.04

4 | H·A 10° | Cutting Condition F133

Designation		Feed (mm/tooth)	Dimension (mm)				Grade
			DC	OAL	APMX	DCONMS	TTD610
RDCF	**4040**	0.01-0.03	4	50	12	4	●
	4060	0.02-0.04	6	65	18	6	●
	4080	0.03-0.05	8	75	24	8	●
	4100	0.04-0.06	10	85	30	10	●
	4120	0.04-0.08	12	100	36	12	●

●: Standard items

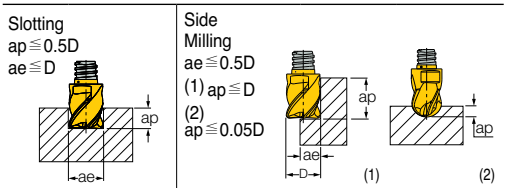
Recommended Cutting Conditions

MAXIRUSH

Machining data for MAXI-RUSH

fz for Square & Round heads

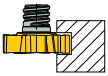
(mm/tooth)



D (mm)	fz (mm/tooth)	D (mm)	fz (mm/tooth)
6	0.027-0.05	6	0.027-0.06
8	0.032-0.07	8	0.032-0.08
10	0.034-0.08	10	0.034-0.09
12	0.036-0.10	12	0.036-0.11
16	0.050-0.12	16	0.05 - 0.13
20	0.052-0.14	20	0.052-0.15
25	0.062-0.15	25	0.062-0.17

fz for Slotting heads

(mm/tooth)

ISO		
P	0.025-0.12	0.035-0.15
M	0.025-0.10	0.025-0.12
K	0.025-0.15	0.035-0.17

Thread Size	Key	Clamping Torque (N.m)
S05	MX KEY-S05	7
S06	MX KEY-S06	10
S08	MX KEY-S08	15
S10	MX KEY-S10	28
S12	MX KEY-S12	28
S15	MX KEY-S15	40

Recommended Cutting Speed Vc(m/min)

ISO	Material No.	Hardness HB	Vc m/min
P	1	125	220-240
	2	190	170-200
	3-6	200	140-160
	7-8	300	110-130
	9-11	200	100-130
M	12-13	240	90-150
	14	180	70-100
K	15	180	70-240
	16	260	110-220
	17	170	130-250
	19	130	130-230
	20	230	100-200
N	21-24	90	600-700
S	33-35	350	10-20
	36-37	-	30-50
H	38	HRC55	30-40
	39	HRC60	25-30

High feed milling - MXFX Only

ISO	Material No.	Depth of cut (ap)	Width of cut (ae)	fz (mm/tooth) vs. Tool Diameter D(mm)					
				Ø8	Ø10	Ø12	Ø16	Ø20	Ø25
P	1	0.045xD	0.7xD	0.50	0.60	0.70	0.80	0.95	1.05
	2	0.045xD	0.7xD	0.50	0.60	0.70	0.80	0.95	1.05
	3	0.045xD	0.7xD	0.50	0.60	0.70	0.80	0.95	1.05
	4	0.045xD	0.7xD	0.50	0.60	0.70	0.80	0.95	1.05
	5	0.045xD	0.7xD	0.45	0.55	0.60	0.70	0.80	0.90
	6	0.045xD	0.7xD	0.35	0.45	0.50	0.60	0.70	0.80
	7	0.045xD	0.7xD	0.35	0.45	0.50	0.60	0.70	0.80
	8	0.045xD	0.7xD	0.35	0.40	0.45	0.55	0.65	0.75
	9	0.045xD	0.7xD	0.35	0.40	0.45	0.55	0.65	0.75
	10	0.04xD	0.6xD	0.30	0.35	0.40	0.50	0.6	0.70
	11	0.04xD	0.6xD	0.30	0.35	0.40	0.45	0.55	0.65
M	12-14	0.04xD	0.6xD	0.35	0.40	0.45	0.55	0.65	0.75
K	15-16	Apmax	0.7xD	0.50	0.55	0.65	0.75	0.85	0.95
	17-20	Apmax	0.7xD	0.40	0.50	0.55	0.65	0.75	0.85
H	38.1	0.035xD	0.45xD	0.25	0.30	0.35	0.45	0.50	0.60
	38.2	0.03xD	0.3xD	0.20	0.25	0.35	0.40	0.50	0.55
	39	0.02xD	0.25xD	0.15	0.20	0.20	0.25	0.25	0.30

Recommended Cutting Conditions

Machining data for solid end mill

ISO	Material		Condition	Tensile strength (N/mm^2)	Hardness HB	Material No.
P	Non-alloy steel, cast steel, free cutting steel	<0.25%C	Annealed	420	125	1
		>=0.25%C	Annealed	650	190	2
		<0.55%C	Quenched and tempered	850	250	3
		>=0.55%C	Annealed	750	220	4
			Quenched and tempered	1000	300	5
	Low alloy steel and cast steel (less than 5% of alloying elements)		Annealed	600	200	6
			Quenched and tempered	930	275	7
				1000	300	8
				1200	350	9
	High alloy steel, cast steel and tool steel		Annealed	680	200	10
			Quenched and tempered	1100	325	11
M	Stainless steel and cast steel		Ferritic / martensitic	680	200	12
			Martensitic	820	240	13
			Austenitic	600	180	14
K	Gray cast iron (GG)		Ferritic		160	15
			Pearlitic		250	16
	Cast iron nodular (GGG)		Ferritic		180	17
			Pearlitic		260	18
	Malleable cast iron		Ferritic		130	19
			Pearlitic		230	20
N	Aluminum - Wrought alloy		Not cureable		60	21
			Cured		100	22
	Aluminum-cast, alloyed	<=12% Si	Not cureable		75	23
			Cured		90	24
		>12% Si	High temp.		130	25
	Copper alloys	>1% Pb	Free cutting		110	26
			Brass		90	27
			Electrolitic copper		100	28
	Non-metallic		Duroplastics, graphite			29
			Hard rubber			30
S	High temp. alloys	Fe based	Annealed		200	31
			Cured		280	32
		Ni or Co based	Annealed		250	33
			Cured		350	34
			Cast		320	35
	Titanium, Ti alloys			Rm 400		36
			Alpha+beta alloys cured	Rm 1050		37
H	Hardened steel		Hardened		55HRC	38
			Hardened		60HRC	39
	Chilled cast iron		Cast		400	40
	Cast iron nodular		Hardened		55HRC	41

• For more information of material groups, see the materials & grades "material conversion table"

Steel Stainless steel Cast iron Nonferrous High temp. alloys Hardened steel

Recommended Cutting Conditions

Machining data for solid end mill

Cutting speed Vc(m/min)							
CBN	Coated					Uncoated	Ceramic
TB7015	TT5505	TT5515	TT5525 / TT5523	TT5543	TT6050	UF10N / UF10	TC3030
	260-300	260-280	210-220	170-200		180-200	
	200-250	200-230	160-180	140-170		140-160	
	160-230	160-220	130-180	120-150		110-150	
	160-230	160-220	130-180	100-140		110-150	
	140-200	140-180	110-140	90-130		100-130	
	160-230	160-220	130-180	100-150		110-150	
	120-200	120-180	100-140	90-130		80-130	
	140-200	130-180	100-140	90-130		90-130	
	140-200	140-180	110-140	90-130		100-130	
	140-200	130-180	100-140	90-130		90-130	
	80-150	70-120	60-100	50-90		50-80	
		80-160	60-130	50-110		60-110	
		60-150	50-120	40-100		40-100	
		60-120	50-100	40-80		40-80	
	100-300	80-260	60-210	50-180		60-180	
	130-280	130-140	100-190	100-170		90-170	
	150-280	150-270	120-220	110-200		100-200	
	90-280	90-270	70-220	110-200		60-200	
	150-280	150-270	120-220	110-200		100-200	
	140-250	140-240	110-190	100-180		100-170	
						800-900	
						700-800	
						800-900	
						750-850	
					400-550	400-450	
						500-550	
						500-550	
						350-380	
					300-500		
	20-40	20-40	20-30	20-30		10-20	
	20-30	20-40	20-30	20-30		10-20	
	20-30	20-50	20-30	20-30		20-50	700-1200
	20-30	20-70	20-30	20-30		20-50	700-1200
	30-80	30-70	20-60	20-60		20-50	700-1200
		30-70	20-60	20-60		20-30	
		30-70	20-60	20-60		20-30	
100-210	30-60					40-60	
90-200	30-40					20-30	
120-200	70-90	60-80				65-75	
120-200	30-60	30-50				40-45	

Recommended Cutting Conditions

CERAMICSFEED

Machining data for ceramic end mill

CRF 4 teeth & 6 teeth

(Unit: mm)

Diameter	Cutting speed (m/min)	Feed (mm/tooth)	Shouldering, profiling		Slotting
			ap	ae	ae
Ø6	300-1000	0.02-0.03	-0.6xD	-0.1xD	-0.05xD
Ø8	300-1000	0.02-0.03	-0.6xD	-0.1xD	-0.05xD
Ø10	300-1000	0.02-0.04	-0.6xD	-0.1xD	-0.05xD
Ø12	300-1000	0.03-0.05	-0.6xD	-0.1xD	-0.05xD
Ø16	300-1000	0.03-0.05	-0.6xD	-0.1xD	-0.05xD

• ae must not exceed a maximum 1 mm ap: axial direction DOC ae: radial direction DOC

• Apply a 30% reduction in feed during slotting, ramping (less 2.5°)

CRH 4 teeth

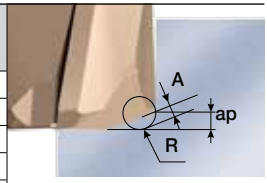
(Unit: mm)

Diameter	Cutting speed (m/min)	Feed (mm/tooth)	Shouldering, profiling	
			ap	ae
Ø6	300-1000	0.1-0.15	-0.05xD	-0.6xD
Ø8	300-1000	0.1-0.2	-0.05xD	-0.6xD
Ø10	300-1000	0.1-0.2	-0.05xD	-0.6xD
Ø12	300-1000	0.1-0.3	-0.05xD	-0.6xD
Ø16	300-1000	0.1-0.3	-0.05xD	-0.6xD

• Apply a 30% reduction in feed during ramping (less 2.5°) ap: axial direction DOC ae: radial direction DOC

Programming tip

Diameter (CRH 4 teeth)	R Program	A Un-machined material thickness
Ø6	0.7	0.35
Ø8	0.9	0.47
Ø10	1.0	0.50
Ø12	1.4	0.70
Ø16	1.8	0.95



Recommended Cutting Conditions

DIAMILL

Machining data for composite material

Material		Cutting Speed Vc(m/min)							
		RRFE		RCFE		RCOM		RDCF	
		Shouldering	Slotting	Shouldering	Slotting	Shouldering	Slotting	Shouldering	Slotting
CFRP	CFRP	100-300	50-120	100-300	50-120	50-200	50-120	100-300	50-120
	Honeycomb	150-250	100-200	150-250	100-200	-	-	-	-
GFRP	GFRP	50-150	30-70	50-150	30-70	50-100	30-70	50-150	30-70
	Honeycomb	150-250	100-200	150-250	100-200	-	-	-	-

Wrench

Appearance	Designation	Connection thread size	Torque (N.m)	Head
	MX KEY-S05	S05	7	Square Ball Round Drilling Chamfering Counter boring
	MX KEY-S05	S06	10	
	MX KEY-S08	S08	15	
	MX KEY-S10	S10	28	
	MX KEY-S12	S12	28	
	MX KEY-S15	S15	40	
	MX SKEY-S06	S06	10	Slotting TST type
	MX SKEY-S08	S08	15	
	MX SKEY-T40L	S08	15	Slotting TST, TTB type
		S10	28	
	MX SKEY-T20	S05	7	
		S06	10	
	MX SKEY-T25	S06	10	
	MX SKEY-T30L	S08	15	
	MX SKEY-T50L	S08	15	
		S10	28	

• Wrench should be ordered separately

Torque wrench

Appearance		Designation	Connection	TM head designation	Torque (N.m)
Handle		TORQUE WRENCH 5-50Nm 9X12	-	-	-
Open wrench for cylindrical head		MX WRENCH 6-05	S05	MXED, MXEE	7
		MX WRENCH 8-06	S06	MXEE-I, MXEE-R	10
		MX WRENCH 10-08	S08	MXEE-C, MXEE-A	15
		MX WRENCH 13-10	S10	MXRD, MXBD-BG	28
		MX WRENCH 16-12	S12	MXBE-BGA	28
		MX WRENCH 20-15	S15	MXDP, MXCA	40
Open wrench for 2 flutes head		MX WRENCH 4E-05	S05	MXRB, MXRC	7
		MX WRENCH 5E-06	S06	MXFX, MXBB-BM	10
		MX WRENCH 7E-08	S08	MXBB-BG	15
		MX WRENCH 8E-10	S10	MXCP, MXGC	28
		MX WRENCH 9E-12	S12	MXCW, MXCR	28
90° adapter for torx bit		INSERT TOOL 9X12mm	-	-	-
Torx bit socket		BIT SOCKET T20 DRIVE	S05, S06	TTB135 TTB160W2.00 TTB165W2.00	7, 10
		BIT SOCKET T25 DRIVE	S06	TTB160W3.00 TTB160W4.00	10
		BIT SOCKET T30 DRIVE	S08	TTB165W3.00	15
		BIT SOCKET T40 DRIVE	S08, S10	TTB165W4.00 TTB195	15, 28
		BIT SOCKET T50 DRIVE	S08, S10	TST277 TTB225 TTB250	15, 28

• Wrench should be ordered separately