

# NPN

New Product News



## MAXIRUSH

INDEXABLE SOLID HEADS

**TTA101 Grade with ta-C Coating  
for Aluminum Machining**



## KEY POINT

**TaeguTec's MAXI-RUSH line now includes a new grade with coating – the TTA101 – that continues to expand the line's range of aluminum machining solutions.**

TaeguTec's MAXI-RUSH line has provided cutting tool solutions that serve the aluminum machining market. The new TTA101 grade with ta-C coating performs even better than the current aluminum machining options. With a thin coating thickness of less than 0.5  $\mu\text{m}$ , the TTA101 grade maintains a sharp edge and features a low friction coefficient, hard coating over HV 5000, and oxidation resistance at high temperatures. The low friction coefficient minimizes the occurrence of built-up edges in non-ferrous metal machining and provides smoother chip evacuation, resulting in excellent surface finish. In addition, the hard coating and oxidation resistance at high temperatures significantly improve tool life.

For more details about the new grade, please contact the product manager.

### **new** TA101 Grade Features

- Thin coating (less than 0.5  $\mu\text{m}$ )
- Sharp edges even after coating
- Low friction coefficient: minimizes built-up edges and promotes smooth chip evacuation
- Hard coating (above HV 5000)
- Oxidation resistance at high temperatures

## MXEE-A02

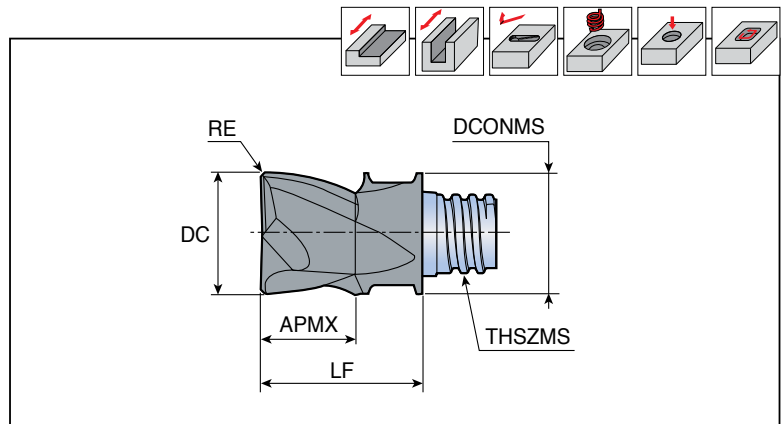
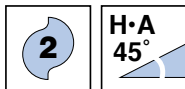
2 flute, for aluminum machining



UF10



**new** TTA101



Designation	Feed (mm/tooth)	Dimension (mm)						Grade	
		DC	RE	APMX	THSZMS	DCONMS	LF	UF10	<b>new</b> TTA101
<b>MXEE 100L07R05A02S06</b>	0.035-0.090	10	0.5	7	S06	9.7	13	●	●
<b>100L07R10A02S06</b>	0.035-0.090	10	1.0	7	S06	9.7	13	●	●
<b>120L09R05A02S08</b>	0.035-0.110	12	0.5	9	S08	11.7	16.5	●	●

- Wrench should be ordered separately.
- TTA101 grade : ta-C coating

●: Standard items

## MXEE-A03

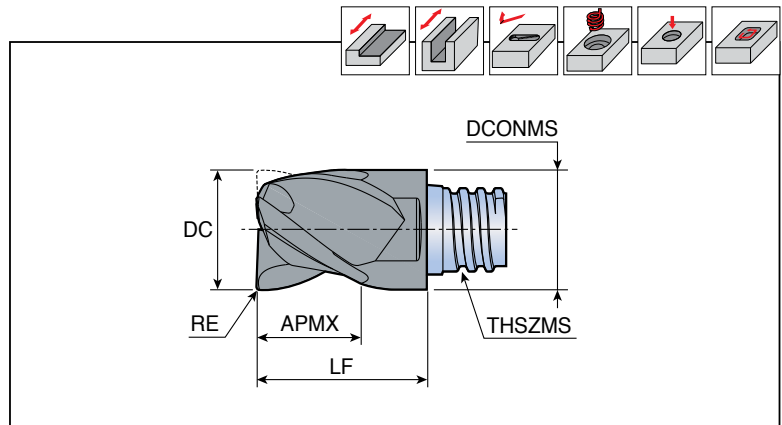
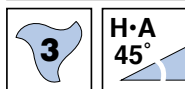
3 flute, for aluminum machining



UF10



**new** TTA101



Designation	Feed (mm/tooth)	Dimension (mm)						Grade	
		DC	RE	APMX	THSZMS	DCONMS	LF	UF10	<b>new</b> TTA101
<b>MXEE 080L05R05A03S05</b>	0.030-0.080	8	0.5	5	S05	7.7	10	●	●
<b>100L06R05A03S06</b>	0.035-0.090	10	0.5	6	S06	9.7	13	●	●
<b>100L06R10A03S06</b>	0.035-0.090	10	1.0	6	S06	9.7	13	●	●
<b>120L08R05A03S08</b>	0.035-0.110	12	0.5	8	S08	11.7	16.5	●	●
<b>120L08R10A03S08</b>	0.035-0.110	12	1.0	8	S08	11.7	16.5	●	●
<b>160L10R00A03S10</b>	0.040-0.130	16	-	10	S10	15.3	20.5	●	●
<b>160L10R10A03S10</b>	0.040-0.130	16	1.0	10	S10	15.3	20.5	●	●
<b>160L10R20A03S10</b>	0.040-0.130	16	2.0	10	S10	15.3	20.5	●	●
<b>200L12R05A03S12</b>	0.050-0.150	20	0.5	12	S12	18.3	25.5	●	●
<b>200L12R10A03S12</b>	0.050-0.150	20	1.0	12	S12	18.3	25.5	●	●
<b>200L12R20A03S12</b>	0.050-0.150	20	2.0	12	S12	18.3	25.5	●	●

- Wrench should be ordered separately.
- TTA101 grade : ta-C coating

●: Standard items

## MXBE-BGA02



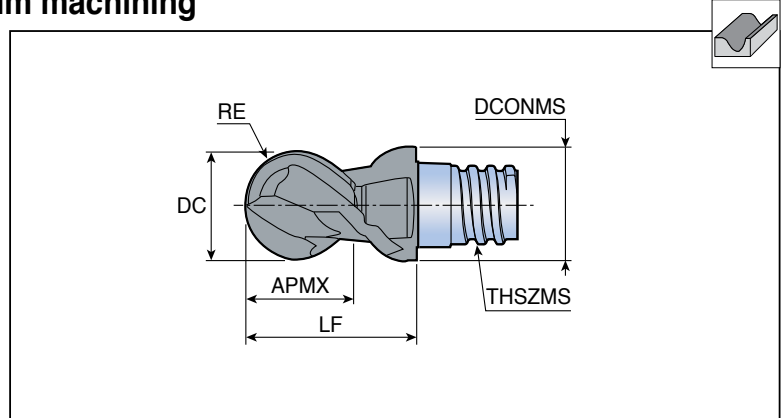
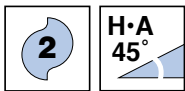
2 flute, spherical designed for aluminum machining



UF10



**new** TTA101



Designation	Feed (mm/tooth)	Dimension (mm)						Grade	
		DC	RE	APMX	THSZMS	DCONMS	LF	UF10	<b>new</b> TTA101
<b>MXBE 080L05-BGA02S05</b>	0.030-0.080	8	3.982 <sup>(1)</sup>	5	S05	7.7	10	●	●
<b>100L07-BGA02S06</b>	0.035-0.090	10	4.982 <sup>(1)</sup>	7	S06	9.7	13	●	●
<b>120L09-BGA02S08</b>	0.035-0.110	12	5.987 <sup>(2)</sup>	9	S08	11.7	16.5	●	●
<b>160L12-BGA02S10</b>	0.040-0.130	16	7.978 <sup>(2)</sup>	12	S10	15.3	20.5	●	●
<b>200L15-BGA02S12</b>	0.050-0.150	20	9.972 <sup>(2)</sup>	15	S12	18.3	25.5	●	●

- Wrench should be ordered separately.
- RE Tolerance: <sup>(1)</sup> ±0.01, <sup>(2)</sup> ±0.012
- TTA101 grade : ta-C coating

●: Standard items