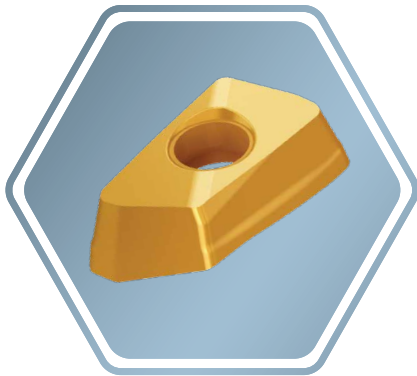


NPN

New Product News



V-Bottom Shouldering AVKT Insert and Holder Line Expanded



KEY POINT

TaeguTec's shoulder milling AVKT WIN-MILL line has been expanded.

An insert designed with a strong clamping V-shaped bottom enabling longer tool life and higher productivity, the WIN-MILL AVKT line has established a reputation as a premium brand in the shoulder machining market.

Responding to market demand, TaeguTec has further expanded the AVKT family of inserts and holders to cover the existing APKT 09 and 12 inserts.

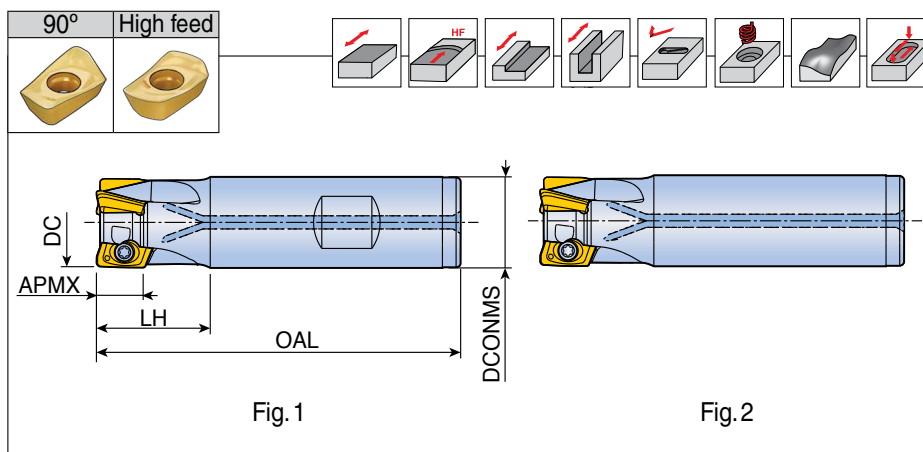
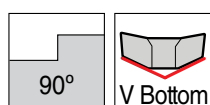
For detailed information about the AVKT insert and holder line, refer to our previous NPN.



TE90AV-10



End mills



Designation		⊙	Dimension (mm)					Coolant hole	Fig.	Insert
			DC	DCONMS	OAL	LH	APMX			
TE90AV-216-15-10-L	new	2	16	15	170	30	10	●	2	AVKT 10-M/EL AVKT 10-HF AVCT 10-AL
216-16-10-L	new	2	16	16	145	30	10	●	2	
216-16-10-L200	new	2	16	16	200	30	10	●	2	
216-W16-10		2	16	16	75	20	10	●	1	
217-16-10-L	new	2	17	16	180	25	10	●	2	
217-16-10-L200	new	2	17	16	200	42	10	●	2	
218-W16-10		2	18	16	90	25	10	●	1	
220-19-10-L	new	2	20	19	170	25	10	●	2	
320-20-10-L120		3	20	20	120	40	10	●	2	
320-W20-10		3	20	20	80	25	10	●	1	
322-W20-10	new	3	22	20	110	30	10	●	1	
225-25-10-L	new	2	25	25	210	40	10	●	2	
325-W25-10		3	25	25	90	30	10	●	1	
425-W20-10	new	4	25	20	110	30	10	●	1	
425-W25-10		4	25	25	90	30	10	●	1	
226-25-10-L	new	2	26	25	250	28	10	●	2	
430-W25-10	new	4	30	25	130	30	10	●	1	
432-W25-10	new	4	32	25	130	32	10	●	1	
532-W32-10		5	32	32	100	35	10	●	1	
533-32-10-L	new	5	33	32	250	40	10	●	2	
540-W32-10	new	5	40	32	130	32	10	●	1	

- ▶ When using the "AVKT 1004R-HF" insert, the cutter body needs to be modified to a corner radius of 3.0 mm
- ▶ When using "AVKT 10" insert with a corner radius of 2.0 mm or bigger, the cutter body corner radius should be adjusted to insert "R" + 0.2 mm

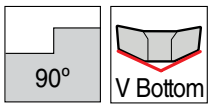
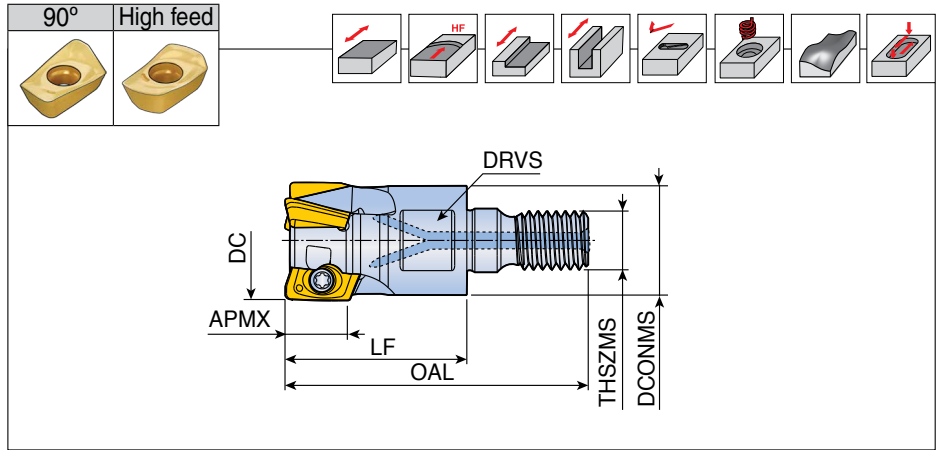
Spare parts

Designation	Screw	Wrench			
	TE90AV-10	TS 30B062/HG-P	TD 8P		

TE90AV-M-10



Modular heads



Designation		Dimension (mm)								Coolant hole	Insert
		DC	DCONMS	LF	OAL	THSZMS	APMX	DRVS			
TE90AV-216-M08-10	2	16	13	30	47.5	M08	10	10	●	AVKT 10-M/EL	
320-M10-10	3	20	18	30	50	M10	10	15	●	AVKT 10-HF	
425-M12-10	4	25	21	35	57	M12	10	17	●	AVCT 10-AL	
532-M16-10	5	32	29	43	68	M16	10	25	●		

- ▶ When using the "AVKT 1004R-HF" insert, the cutter body needs to be modified to a corner radius of 3.0 mm
- ▶ When using "AVKT 10" insert with a corner radius of 2.0 mm or bigger, the cutter body corner radius should be adjusted to insert "R" + 0.2 mm
- ▶ Matched with T-FLEXTEC holder

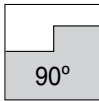
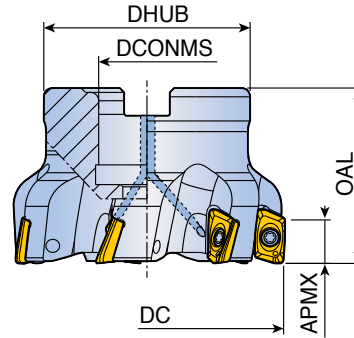
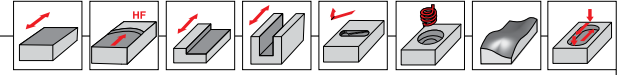
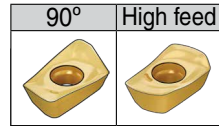
Spare parts

Designation	Screw	Wrench			
	TE90AV-M-10	 TS 30B062/HG-P	 TD 8P		

TFM90AV-10



Face mills



Designation	Coolant hole	Dimension (mm)					Arbor type	kg	Mounting bolt	Insert
		DC	DCONMS	DHUB	OAL	APMX				
TFM90AV-540-16R-10	●	40	16	38	40	10	A	0.2	SH M8x30	AVKT 10-M/EL AVKT 10-HF AVCT 10-AL
550-22R-10	●	50	22	45	40	10	A	0.3	SH M10x30	
750-22R-10	●	50	22	45	40	10	A	0.3	SH M10x30	
763-22R-10	●	63	22	47	40	10	A	0.5	SH M10x30	

- ▶ When using the "AVKT 1004R-HF" insert, the cutter body needs to be modified to a corner radius of 3.0 mm
- ▶ When using "AVKT 10" insert with a corner radius of 2.0 mm or bigger, the cutter body corner radius should be adjusted to insert "R" + 0.2 mm

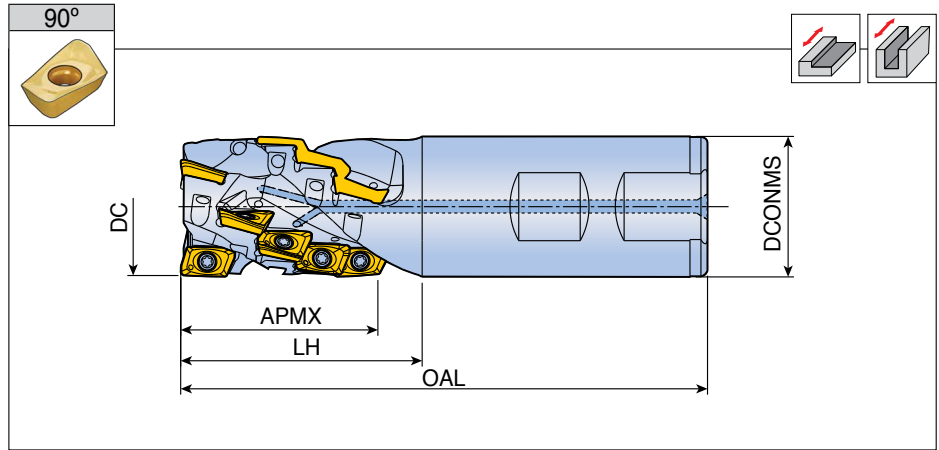
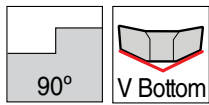
Spare parts

Designation	Screw	Wrench			
	TFM90AV-10	TS 30B062/HG-P	TD 8P		

TEF-AV10



Extended flute cutters

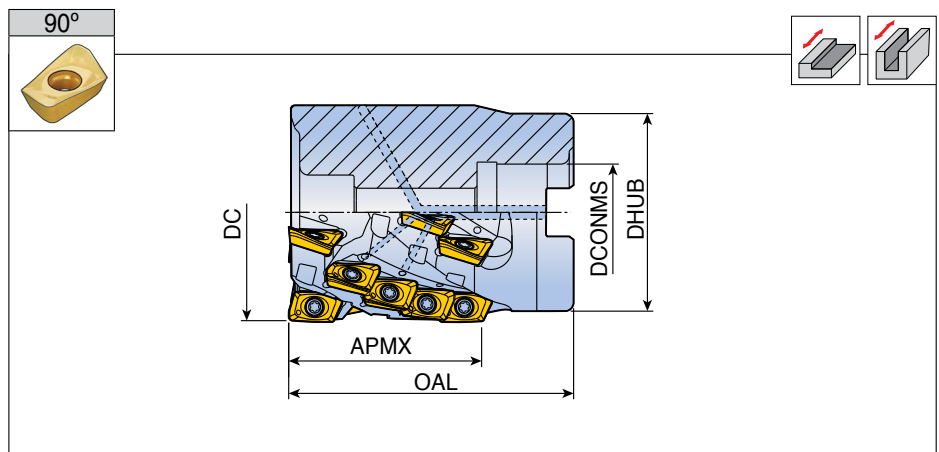
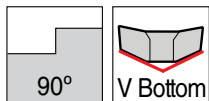


Designation	No. of inserts	No. of insert	Dimension (mm)					Coolant hole	Kg	Insert
			DC	DCONMS	OAL	LH	APMX			
TEF D25-27-W25-AV10-2F	2	6	25	25	95	35	27	•	0.3	AVKT 10-M/EL
D32-44-W32-AV10-3F	3	15	32	32	120	55	44	•	0.6	AVCT 10-AL

TES-AV10



Extended flute cutters



Designation	No. of inserts	No. of insert	Dimension (mm)					Coolant hole	Kg	Mounting bolt	Insert
			DC	DCONMS	OAL	DHUB	APMX				
TES D40-35-16R-AV10-4F	4	16	40	16	55	38	35	•	0.3	SH M8x40	AVKT 10-M/EL
D50-44-22R-AV10-5F	5	25	50	22	65	45	44	•	0.6	SH M10x50	AVCT 10-AL

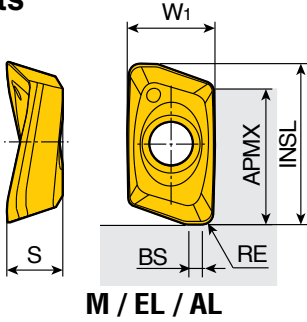
Spare parts

Designation	Screw	Wrench			
	TEF/TES-AV10	TS 30B062/HG-P	TD 8P		

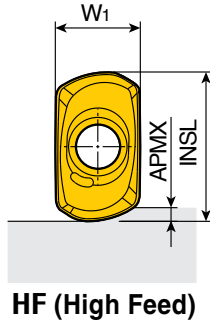
AVK(C)T 10



Inserts

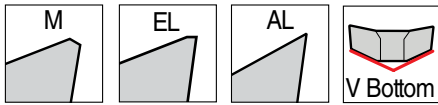


M / EL / AL



HF (High Feed)

Size	Dimension (mm)					
	INSL	W1	S	APMX	BS	RE
10-M/EL	11.5-12.4	6.8	4.1-4.3	9.6-10	0-1.0	0.8-3.2
10-HF	11.6	6.6	4.4	1.0	-	-
10-AL	11.3-12.5	6.7-6.8	4.0-4.5	9.5-10.1	0-1.2	0.4-3.2



Insert	Designation	Recommended machining conditions		Coated								Uncoated		
		ap (mm)	Feed (mm/tooth)	TT9080	TT9030	TT8080	TT8020	TT8525B	TT7080	TT7515	TT6080	TT3535	K10	
	AVKT 1004 PER-M	2.5-8.0	0.12-0.06	●		●			●		●			
	100416R-M	2.5-8.0	0.12-0.06	●										
	100432R-M	2.5-8.0	0.12-0.06	●										
	AVKT 1004 PER-EL	2.5-8.0	0.06-0.03			●					●			
	100416R-EL	2.5-8.0	0.06-0.03			●					●			
	100432R-EL	2.5-8.0	0.06-0.03			●					●			
	AVKT 1004R-HF	0.1-1.0	0.80-0.30	●		●					●			
	AVCT 100404R-AL	2.5-8.0	0.50-0.10										●	
	1004 PER-AL	2.5-8.0	0.50-0.10										●	
	100416R-AL new	2.5-8.0	0.50-0.10										●	
	100420R-AL	2.5-8.0	0.50-0.10										●	
	100430R-AL	2.5-8.0	0.50-0.10										●	
	100432R-AL new	2.5-8.0	0.50-0.10										●	

●: Standard items