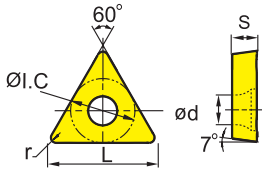


TC (Positive inserts)



😊 Good working condition 😐 Normal working condition 😞 Bad working condition

Workpiece material	YBC151	YBC152	YBC251	YBC252	YBC351	YBC352	YBG102	YBG105	YBG202	YBG205	YBG212	YBG302	YBM151	YBM153	YBM215	YBM251	YBM253	YBS103	YBD052	YBD102	YBD152	YBD252	YNG151	YNG151C	YD101	YD201
P Steel	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊
M Stainless steel	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊
K Cast iron	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊
N Non-ferrous metal	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊
S Heat resistant alloy, Ti alloy	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊

Inserts shape	Type	Dimensions(mm)					Coated cemented carbide																Cermet	Coated cermet	Cemented carbide													
		L	ØI.C	S	ød	r	YBC151	YBC152	YBC251	YBC252	YBC351	YBC352	YBG102	YBG105	YBG202	YBG205	YBG212	YBG302	YBM151	YBM153	YBM215	YBM251				YBM253	YBS103	YBD052	YBD102	YBD152	YBD252	YNG151	YNG151C	YD101	YD201			
 HF For finishing	TCMT090202-HF	9.6	5.56	2.38	2.5	0.2	★	●																														
	TCMT090204-HF	9.6	5.56	2.38	2.5	0.4	★	●																														
	TCMT090208-HF	9.6	5.56	2.38	2.5	0.8			○																													
	TCMT110202-HF	11	6.35	2.38	2.8	0.2			●																													
	TCMT110204-HF	11	6.35	2.38	2.8	0.4	●	★	●	★																												
	TCMT110208-HF	11	6.35	2.38	2.8	0.8		○	●	○																												
	TCMT16T302-HF	16.5	9.525	3.97	4.4	0.2		○																														
	TCMT16T304-HF	16.5	9.525	3.97	4.4	0.4		●	●			○																										
	TCMT16T308-HF	16.5	9.525	3.97	4.4	0.8		○	●																													

★ Recommended grade (always stock available) ● Available grade (always stock available) ○ Make-to-order

Applicable tool

STACR/L
Kr:90°



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STFCR/L
Kr:90°



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STGCR/L
Kr:91°



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STECR/L
Kr:60°



A200

STFCR/L
Kr:90°



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Insert code key

A50-A51

Grade selection reference

A19/A36-A48

Chipbreaker selection reference

A22-A35

Recommended cutting parameters

A241-A244

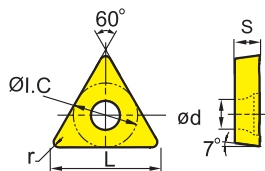


General Turning Inserts

Cemented carbide and cermet inserts

TC □ □ (Positive inserts)

😊 Good working condition 😐 Normal working condition 😞 Bad working condition



Workpiece material	YBC151	YBC152	YBC251	YBC252	YBC351	YBC352	YBG102	YBG105	YBG202	YBG205	YBG212	YBG302	YBM151	YBM153	YBM215	YBM251	YBM253	YBS103	YBD052	YBD102	YBD152	YBD252	YNG151	YNG151C	YD101	YD201
P Steel	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊
M Stainless steel	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊
K Cast iron	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊
N Non-ferrous metal	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊
S Heat resistant alloy, Ti alloy	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊

Inserts shape	Type	Dimensions(mm)					Coated cemented carbide																Cermet Coated cermet	Cemented carbide										
		L	ØI.C	S	ød	r	YBC151	YBC152	YBC251	YBC252	YBC351	YBC352	YBG102	YBG105	YBG202	YBG205	YBG212	YBG302	YBM151	YBM153	YBM215	YBM251			YBM253	YBS103	YBD052	YBD102	YBD152	YBD252	YNG151	YNG151C	YD101	YD201
EF For finishing	TCMT090202-EF	9.6	5.56	2.38	2.5	0.2									●	★				★	○													
	TCMT090204-EF	9.6	5.56	2.38	2.5	0.4							○		●	★				★	○													
	TCMT110202-EF	11	6.35	2.38	2.8	0.2									●	★				★	○													
	TCMT110204-EF	11	6.35	2.38	2.8	0.4									●	★				★	○													
	TCMT110208-EF	11	6.35	2.38	2.8	0.8									●	★					○	○												
	TCMT16T304-EF	16.5	9.525	3.97	4.4	0.4									●	★				★	○													
	TCMT16T308-EF	16.5	9.525	3.97	4.4	0.8									●	★					○	○												
EM For semi-finishing	TCMT090204-EM	9.6	5.56	2.38	2.8	0.4									●	★				○	★													
	TCMT090208-EM	9.6	5.56	2.38	2.8	0.8									●	★					○	★												
	TCMT110204-EM	11	6.35	2.38	2.8	0.4									●	★					○	★												
	TCMT110208-EM	11	6.35	2.38	2.8	0.8									●	★					○	★												
	TCMT110212-EM	11	6.35	2.38	2.8	1.2									●	★					○	★												
	TCMT16T304-EM	16.5	9.525	3.97	4.4	0.4									●	★					○	★												
	TCMT16T308-EM	16.5	9.525	3.97	4.4	0.8									●	★					○	★												
	TCMT16T312-EM	16.5	9.525	3.97	4.4	1.2									●	★					○	★												

★ Recommended grade (always stock available) ● Available grade (always stock available) ○ Make-to-order

Applicable tool



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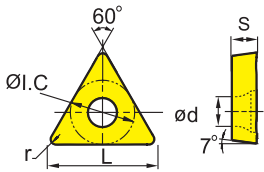


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TC □ □ (Positive inserts)



😊 Good working condition 😐 Normal working condition 😞 Bad working condition

Workpiece material	P Steel	M Stainless steel	K Cast iron	N Non-ferrous metal	S Heat resistant alloy, Ti alloy
P Steel	😊😊😊😊😊😊😊😊😊😊	😊😊😊😊😊😊😊😊😊😊	😊😊😊😊😊😊😊😊😊😊	😊😊😊😊😊😊😊😊😊😊	😊😊😊😊😊😊😊😊😊😊
M Stainless steel	😊😊😊😊😊😊😊😊😊😊	😊😊😊😊😊😊😊😊😊😊	😊😊😊😊😊😊😊😊😊😊	😊😊😊😊😊😊😊😊😊😊	😊😊😊😊😊😊😊😊😊😊
K Cast iron	😊😊😊😊😊😊😊😊😊😊	😊😊😊😊😊😊😊😊😊😊	😊😊😊😊😊😊😊😊😊😊	😊😊😊😊😊😊😊😊😊😊	😊😊😊😊😊😊😊😊😊😊
N Non-ferrous metal	😊😊😊😊😊😊😊😊😊😊	😊😊😊😊😊😊😊😊😊😊	😊😊😊😊😊😊😊😊😊😊	😊😊😊😊😊😊😊😊😊😊	😊😊😊😊😊😊😊😊😊😊
S Heat resistant alloy, Ti alloy	😊😊😊😊😊😊😊😊😊😊	😊😊😊😊😊😊😊😊😊😊	😊😊😊😊😊😊😊😊😊😊	😊😊😊😊😊😊😊😊😊😊	😊😊😊😊😊😊😊😊😊😊

Inserts shape	Type	Dimensions(mm)						Coated cemented carbide																Cermet Coated cermet	Cemented carbide											
		L	ØI.C	S	ød	r	YBC151	YBC152	YBC251	YBC252	YBC351	YBC352	YBG102	YBG105	YBG202	YBG205	YBG212	YBG302	YBM151	YBM153	YBM215	YBM251	YBM253			YBS103	YBD052	YBD102	YBD152	YBD252	YNG151	YNG151C	YD101	YD201		
LH For Al machining	TCGX090202-LH	9.6	5.56	2.38	2.5	0.2																													★	
	TCGX090204-LH	9.6	5.56	2.38	2.5	0.4																													★	
	TCGX110202-LH	11	6.35	2.38	2.8	0.2																													★	
	TCGX110204-LH	11	6.35	2.38	2.8	0.4																													★	
	TCGX110208-LH	11	6.35	2.38	2.8	0.8																														★
	TCGX16T302-LH	16.5	9.525	3.97	4.4	0.2																													○	
	TCGX16T304-LH	16.5	9.525	3.97	4.4	0.4																													★	
TCGX16T308-LH	16.5	9.525	3.97	4.4	0.8																													★		
All round 	TCMT220408	22	12.7	4.76	5.5	0.8	○	●																									○			
Without chipbreaker 	TCMW110204	11	6.35	2.38	2.8	0.4																											● ○			
	TCMW16T304	16.5	9.525	3.97	4.4	0.4	○																											○		
	TCMW16T308	16.5	9.525	3.97	4.4	0.8										○										○	○									
	TCMW16T312	16.5	9.525	3.97	4.4	1.2	○									○																				
	TCMW220408	22	12.7	4.76	5.5	0.8	○																				○									

★ Recommended grade (always stock available) ● Available grade (always stock available) ○ Make-to-order

Applicable tool



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