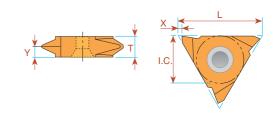


Partial Profile 60° Vertical



L	I.C. in	Pitch F mm	lange TPI	EXTERNAL Ordering Code Right Hand	х	Y	т
16	3/8	0.5 -1.5	48-16	16V ER A60	1.0	0.9	3.6
16	3/8	1.75-3.0	14- 8	16V ER G60	1.0	1.8	3.6
16	3/8	0.5 -3.0	48-8	16V ER AG60	1.0	1.8	3.6
22	1/2	1.75-3.0	14- 8	22V ER G60	1.2	1.7	4.0
22	1/2	3.5 -5.0	7-5	22V ER N60	1.2	2.5	4.8

Order example: 16V ER G60 BMA



Coated Grades

Carbide Grade Selection

Choose the C.P.T. grade specifically formulated for your application from the following list:

Uncoated Grades

P30 • (P20-P30)	Carbide grade for carbon and cast steels, works well at medium to low cutting speeds.	P25C (P15-P35)	PVD TiN coated grade for treated and hard alloy steels (25 HRc & up) at medium to low cutting speeds.
K20 • (K10-K30)	Carbide grade for non ferrous metals, aluminum and cast iron.	MXC (K10-K20) (P10-P25)	PVD TiN coated micrograin for free cutting untreated alloy steels (below 30 HRc), for stainless steels and cast iron.
		BMA (P20-P40) (K20-K30)	PVD TiALN coated sub-micrograin grade for stainless steels and exotic materials at medium to high cutting speeds.
		BXC •• (P30-P50) (K25-K40)	PVD TiN coated grade for low cutting speed. Works well with wide range of stainless steels.

Note: Due to our unique and specialized production techniques, C.P.T. coated inserts provide superior cutting performance and exceptionally long tool life.

Recommended cutting speed (m/min) for thread turning inserts

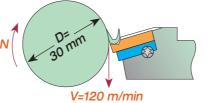
		Coated				Uncoated	
ISO Standard			MXC	BMA	BXC ••	P30 [•]	K20 [•]
	Steel: Low & Medium Carbon Steels	80-160	90-160	100-180	20-100	70-120	
Р	High Carbon Steels	80-120	80-150	90-160	30-80	60-100	
	Alloy Steels, Treated Steels	50-100	80-120	90-120	40-90	50-80	
	Cast Steel	80-140	100-140	120-160	30-80	50-100	
Μ	Stainless steel: Cast steels Stainless austenitic and austenitic ferritic steel and cast steel		70-120	90-130	30-90	70-100	80-100
к	Cast iron: Grey cast iron, cast iron with spherical graphite, malleable cast iron		80-130	80-150	30-90		60-100
N	Nonferrous Metal: Aluminium and other nonferrous metals, copper alloys non metallic		300-600		20-200		120-200
S	Super-alloys and Titanium: Heat resistant special alloys based on iron, nickel and cobalt, titanium and titanium alloys		40-80	50-100	15-30		
н	Hard Materials: Hardened steel, hardened cast iron materials, chilled cast iron		20-40	30-50	15-30		

Upon request

. For miniature and ultra miniature insert

Conversion of Cutting Speed to Rotational Speed

Conversion of a selected cutting speed to rotational speed is calculated by the following formula:



	Example						
	N -	V x 1000	120 x 1000 =1274_ BPM				
ľ	/ 4 -	π_{xD}	3.14 x 30				



Anvil Change Recommendation

