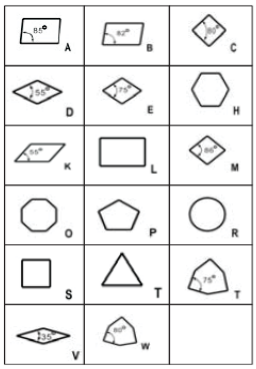
Tipos de Geometría



1 - Formas

Código ISO

Agujero	Rompe-virutas	Perfil	Simbolo	Agujero	Rompe-virutas	Perfil
Y	N		N	N	N	
Y	1 Cara		R	N	1 Cara	
Y	N		F	N	2 Caras	
Y	2 Caras		A	Y	N	
Y	N		M	Y	1 Cara	
Y	1 Cara		G	Y	2 Caras	
Y	N		X	...	...	Especial
Y	2 Caras					

4 – Rompe-virutas y Sistemas de Amarre

2 - Ángulos

Simbolo	Ángulo	Simbolo	Ángulo
A		B	
C		D	
E		F	
G		N	
P		O	Especial

3 – Tolerancias Medidas

Cód	m(mm)	d=I.C. (mm)	s (mm)	Inscribed Circle	Regular Triangle	Square	80° Rhombus	55° Rhombus	35° Rhombus	Round
				6.35	±0.08	±0.08	±0.08	±0.11	±0.16	
				9.525	±0.08	±0.08	±0.08	±0.11	±0.16	
A	±0.005	±0.025	±0.025	12.7	±0.13	±0.13	±0.13	±0.15		
F	±0.005	±0.013	±0.025	15.875	±0.15	±0.15	±0.15	±0.18		
C	±0.013	±0.025	±0.025	19.05	±0.15	±0.15	±0.15	±0.18		
H	±0.013	±0.013	±0.013	25.4		±0.18				
E	±0.025	±0.025	±0.025	• Tolerance of Inscribed Circle						
G	±0.025	±0.025	±0.13	Inscribed Circle	Regular Triangle	Square	80° Rhombus	55° Rhombus	35° Rhombus	Round
J	±0.005	±0.05 -±0.13	±0.025	6.35	±0.05	±0.05	±0.05	±0.05	±0.05	±0.05
K	±0.013	±0.05 -±0.13	±0.025	9.525	±0.05	±0.05	±0.05	±0.05	±0.05	±0.08
L	±0.025	±0.05 -±0.13	±0.025	12.7	±0.08	±0.08	±0.08	±0.08		±0.1
M	±0.08 -±0.18	±0.05 -±0.13	±0.13	15.875	±0.1	±0.1	±0.1	±0.1		0.1
N	±0.08 -±0.18	±0.05 -±0.13	±0.025	19.05	±0.1	±0.1	±0.1	±0.1		±0.13
U	±0.13 -±0.38	±0.08 -±0.25	±0.13	25.4		±0.13				

Ø mm	Geometría							
	C	D	R	S	T	V	W	K
3.97					06			
5			05					
5.56					09			
6			06					
6.35	06	07			11	11		
8			08					
9.525	09	11	09	09	16	16	06	16
10			10					
12			12					
12.7	12	15	12	12	22	22	08	
15.875	16		15	15	27			
16			19	16				
19.05	19		19	19	33			
20			20					
25	25	25	25					
25.4			25	25				
31.75			31					
32			32					

5 - Corte

Altura de Corte	
Símbolo	Espesor (mm)
00	0.79
T0	0.99
01	1.59
T1	1.98
02	2.38
T2	2.58
03	3.18
T3	3.97
04	4.76
T4	4.96
05	5.56
T5	5.95
06	6.35
T6	6.75
07	7.94
09	9.52
T9	9.72
11	11.11
12	12.7

6 - Espesores

Radios	
Simbolo	Radio (mm)
00	0
02	0.2
04	0.4
08	0.8
12	1.2
16	1.6
20	2
24	2.4
32	3.2
X	Especial

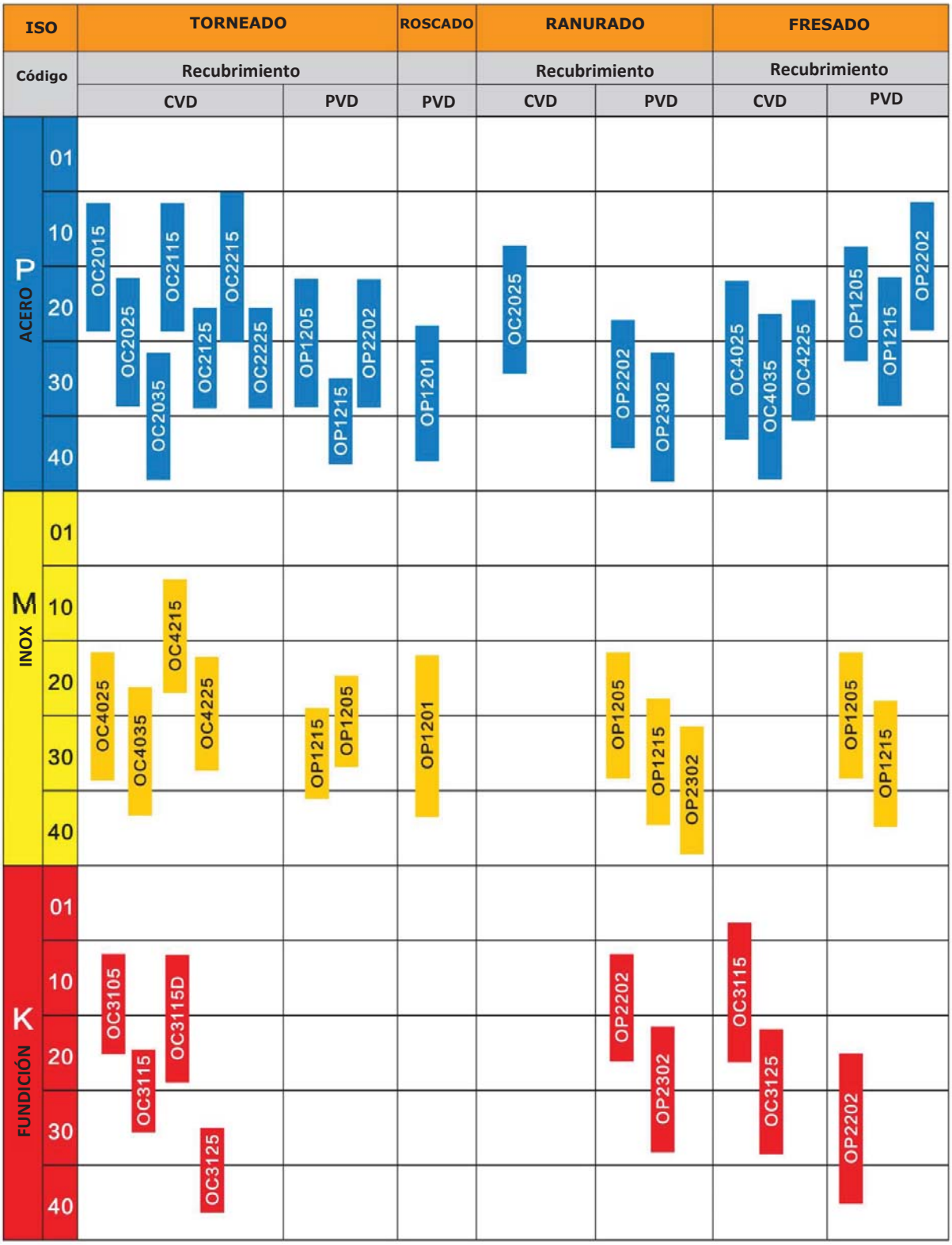
7 - Tipos de Radio

8 – Rompevirutas

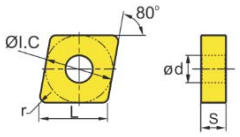
OPF	OPM	OPR	OMF	OMM	OMR
KPM	**MF**	**MSF**	**OSF**	**OSM**	**OTF**
OTM	**OTR**	**NL**			

C	N	M	G	12	04	08	-OPM
1	2	3	4	5	6	7	8

RESUMEN DE CALIDADES SEGÚN MATERIALES Y PROCESOS

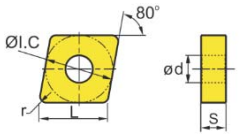


Placas Torneado – CN...



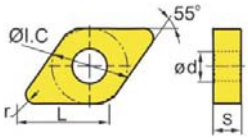
		Modelo	Dimensiones					P					M			K			Rompevirutas
			L	ΦI.C	S	Φd	r	OC2015	OC2025	OC2115	OC2125	OP1205H	OC4225	OP1215	OP1205	OC3105	OC3115	OC3115D	
ACABADO		CNMG090304-OPF	9.7	9.525	3.18	3.81	0.4	●		▲									**OPF** Adecuado para el Acabado en Materiales de Hierro
		CNMG090308-OPF	9.7	9.525	3.18	3.81	0.8	●		▲	○								
		CNMG120404-OPF	12.9	12.7	4.76	5.16	0.4	●		▲									
		CNMG120408-OPF	12.9	12.7	4.76	5.16	0.8	●		▲	○								
		CNMG120412-OPF	12.9	12.7	4.76	5.16	1.2	○		●									
		CNMG090304-OMF	9.7	9.525	3.18	3.81	0.4				○			▲	●				**OMF** Adecuado para el Acabado en Materiales Inoxidables
		CNMG090308-OMF	9.7	9.525	3.18	3.81	0.8				○			▲	●				
		CNMG120404-OMF	12.9	12.7	4.76	5.16	0.4				○			▲	●				
		CNMG120408-OMF	12.9	12.7	4.76	5.16	0.8				○			▲	●				
		CNMG120412-OMF	12.9	12.7	4.76	5.16	1.2							○	○				
		CNMG090304-MSF	9.7	9.525	3.18	3.81	0.4		▲		▲								**OPF** Adecuado para el Acabado fino en Materiales de Hierro
		CNMG120404-MSF	12.9	12.7	4.76	5.16	0.4				○			▲	●				
		CNMG120404-OSF	12.9	12.7	4.76	5.16	0.4				○			▲	●				**OSF** Adecuado para el Acabado en aleaciones de altas temperaturas
SEMI - ACABADO		CNMG090304-OPM	9.7	9.525	3.18	3.81	0.4		●		▲								**OPM** Adecuado para el Semi Acabado en Materiales de Hierro
		CNMG090308-OPM	9.7	9.525	3.18	3.81	0.8		●		▲								
		CNMG120404-OPM	12.9	12.7	4.76	5.16	0.4		●		▲								
		CNMG120408-OPM	12.9	12.7	4.76	5.16	0.8		●		▲								
		CNMG120412-OPM	12.9	12.7	4.76	5.16	1.2		●		▲								
		CNMG120416-OPM	12.9	12.7	4.76	5.16	1.6		●		▲								
		CNMG160608-OPM	16.1	15.875	6.35	6.35	0.8		●		▲								
		CNMG160612-OPM	16.1	15.87	6.35	6.35	1.2		▲		▲								
		CNMG160616-OPM	16.1	15.875	6.35	6.35	1.6		▲		▲								
		CNMG190608-OPM	19.3	19.05	6.35	7.94	0.8		●		▲								
		CNMG190612-OPM	19.3	19.05	6.35	7.94	1.2		▲		●								
		CNMG190616-OPM	19.3	19.05	6.35	7.94	1.6		▲		●								
		CNMG120404-OMM	12.9	12.7	4.76	5.16	0.4						○	▲	●				**OMM** Adecuado para el Semi Acabado en Materiales Inoxidables
		CNMG120408-OMM	12.9	12.7	4.76	5.16	0.8						○	▲	●				
		CNMG120412-OMM	12.9	12.7	4.76	5.16	1.2						○	▲	●				
		CNMG160608-OMM	16.1	15.875	6.35	6.35	0.8						○	▲	●				
		CNMG160612-OMM	16.1	15.875	6.35	6.35	1.2						○	○	○				
		CNMG160616-OMM	16.1	15.875	6.35	6.35	1.6						○	○	○				
		CNMG090308-MF	9.7	9.525	3.18	3.81	0.8						○	▲	●				**MF** Adecuado para el Semi Acabado en Materiales Inoxidables
		CNMG120408-MF	12.9	12.7	4.76	5.16	0.8						○	▲	●				
		CNMG120412-MF	12.9	12.7	4.76	5.16	1.2						○	▲	●				
		CNMG160612-MF	16.1	15.875	6.35	6.35	1.6						○	○	○				
		CNMG120404-OSM	12.9	12.7	4.76	5.16	0.4						○	▲	●				**OSM** Adecuado para el Semi Acabado en aleaciones altas temperaturas
		CNMG120408-OSM	12.9	12.7	4.76	5.16	0.8						○	▲	●				
		CNMG120412-OSM	12.9	12.7	4.76	5.16	1.2						○	▲	●				

Placas Torneado – CN...



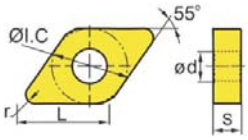
		Modelo	Dimensiones					P					M			K			Rompevirutas
			L	ΦI.C	S	Φd	r	OC2015	OC2025	OC2115	OC2125	OP1205H	OC4225	OP1215	OP1205	OC3105	OC3115	OC3115D	
DESBASTE		CNMG120408-OPR	12.9	12.7	4.76	5.16	0.8		●		▲						○		**OPR** Adecuado para el desbaste en Materiales de Hierro
		CNMG120412-OPR	12.9	12.7	4.76	5.16	1.2		●		▲						○		
		CNMG120416-OPR	12.9	12.7	4.76	5.16	1.6		▲		●						○		
		CNMG160608-OPR	16.1	15.875	6.35	6.35	0.8		▲		▲						○		
		CNMG160612-OPR	16.1	15.875	6.35	6.35	1.2		▲		▲						○		
		CNMG160616-OPR	16.1	15.875	6.35	6.35	1.6		▲		●						○		
		CNMG190608-OPR	19.3	19.05	6.35	7.94	0.8		●		▲						○		
		CNMG190612-OPR	19.3	19.05	6.35	7.94	1.2		●		▲						○		
		CNMG190616-OPR	19.3	19.05	6.35	7.94	1.6		▲		●						○		
		CNMG190624-OPR	19.3	19.05	6.35	7.94	2.4		▲		●						○		
GRAN DESBASTE		CNMM120412-OPR	12.9	12.7	4.76	5.16	1.2												**OPR** Adecuado para el desbaste en Materiales de Hierro
		CNMM160612-OPR	16.1	15.875	6.35	6.35	1.2												
		CNMM160616-OPR	16.1	15.875	6.35	6.35	1.6												
		CNMM190612-OPR	19.3	19.05	6.35	7.94	1.2		▲		●								
		CNMM190616-OPR	19.3	19.05	6.35	7.94	1.6		▲		●								
		CNMM190624-OPR	19.3	19.05	6.35	7.94	2.4		▲		●								
		CNMM250924-OPR	25.79	25.4	9.525	9.12	2.4		▲		●								
DESBASTE		CNMG120408-OMR	12.9	12.7	4.76	5.16	0.8						○						**OMR** Adecuado para el desbaste en Materiales de Inoxidable
		CNMG120412-OMR	12.9	12.7	4.76	5.16	1.2						○						
		CNMG160612-OMR	16.1	15.875	6.35	6.35	1.2						○						
		CNMG160616-OMR	16.1	15.875	6.35	6.35	1.6						○						
		CNMG190612-OMR	19.3	19.05	6.35	7.94	1.2						○						
		CNMG190616-OMR	19.3	19.05	6.35	7.94	1.6						○						
		CNMM250724-OMR	25.79	25.4	7.94	9.12	2.4						○						**OMR** Adecuado para el desbaste en Materiales de Inoxidable
		CNMM250732-OMR	25.79	25.4	7.94	9.12	3.2						○						
		CNMM250924-OMR	25.79	25.4	9.525	9.12	2.4						○						
		CNMM250932-OMR	25.79	25.4	9.525	9.12	3.2						○						
SEMI - ACABADO		CNMG120404	12.9	12.7	4.76	5.16	0.4				○					▲	●		
		CNMG120408	12.9	12.7	4.76	5.16	0.8				○					▲	●		
		CNMG120412	12.9	12.7	4.76	5.16	1.2				○					▲	●		
		CNMG160608	16.1	15.875	6.35	6.35	0.8				○					▲	●		
		CNMG160612	16.1	15.875	6.35	6.35	1.2				○					▲	●		
		CNMG160616	16.1	15.875	6.35	6.35	1.6				○					▲	●		
		CNMG190608	19.3	19.05	6.35	7.94	0.8				○					▲	●		
		CNMG190612	19.3	19.05	6.35	7.94	1.2				○					▲	●		
		CNMG190616	19.3	19.05	6.35	7.94	1.6				○					▲	●		
DESBASTE		CNMA120404	12.9	12.7	4.76	5.16	0.4										▲	●	
		CNMA120408	12.9	12.7	4.76	5.16	0.8										▲	●	
		CNMA120412	12.9	12.7	4.76	5.16	1.2										▲	●	
		CNMA120416	12.9	12.7	4.76	5.16	1.6										▲	●	
		CNMA160608	16.1	15.875	6.35	6.35	0.8										▲	●	
		CNMA160612	16.1	15.875	6.35	6.35	1.2										▲	●	
		CNMA160616	16.1	15.875	6.35	6.35	1.6										▲	●	
		CNMA160620	16.1	15.875	6.35	6.35	2.0						○				▲	●	
		CNMA160630	16.1	15.875	6.35	6.35	3.0						○				▲	●	
		CNMA190612	19.3	15.875	6.35	7.94	1.2						○				▲	●	
		CNMA190616	19.3	15.875	6.35	7.94	1.6						○				▲	●	

Placas Torneado – DN...



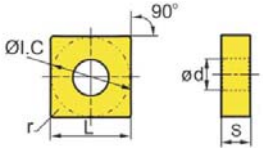
		Modelo	Dimensiones					P					M			K			Rompevirutas
			L	ΦI.C	S	Φd	r	OC2015	OC2025	OC2115	OC2125	OP1205H	OC4225	OP1215	OP1205	OC3105	OC3115	OC3115D	
ACABADO		DNMG110404-OPF	11.6	9.525	4.76	3.81	0.4	●		▲									**OPF** Adecuado para el Acabado en Materiales de Hierro
		DNMG110408-OPF	11.6	9.525	4.76	3.81	0.8	●		▲									
		DNMG110412-OPF	11.6	9.525	4.76	3.81	1.2	○		○	○								
		DNMG150404-OPF	15.5	12.7	4.76	5.16	0.4	●		▲									
		DNMG150408-OPF	15.5	12.7	4.76	5.16	0.8	○		▲									
		DNMG150412-OPF	15.5	12.7	4.76	5.16	1.2	●		▲	○								
		DNMG150604-OPF	15.5	12.7	6.35	5.16	0.4	●		▲									
		DNMG150608-OPF	15.5	12.7	6.35	5.16	0.8	●		▲									
		DNMG150612-OPF	15.5	12.7	6.35	5.16	1.2	●		▲	○								
		DNMG110404-MSF	11.6	9.525	4.76	3.81	0.4		●	●	▲								**MSF** Adecuado para el Acabado en Materiales de Hierro
		DNMG150404-MSF	15.5	12.7	4.76	5.16	0.4		●	●	▲								
		DNMG110404-OMF	11.6	9.525	4.76	3.81	0.4							▲	●				**OMF** Adecuado para el Acabado en Materiales Inoxidables
		DNMG110408-OMF	11.6	9.525	4.76	3.81	0.8							▲	●				
		DNMG110412-OMF	11.6	9.525	4.76	3.81	1.2							○	○				
		DNMG150404-OMF	15.5	12.7	4.76	5.16	0.4							▲	●				
		DNMG150408-OMF	15.5	12.7	4.76	5.16	0.8							▲	●				
		DNMG150412-OMF	15.5	12.7	4.76	5.16	1.2							○	○				
		DNMG150604-OMF	15.5	12.7	6.35	5.16	0.4							▲	●				
		DNMG150608-OMF	15.5	12.7	6.35	5.16	0.8							▲	●				
		DNMG150612-OMF	15.5	12.7	6.35	5.16	1.2							○	○				
		DNEG150404-OSF	15.5	12.7	4.76	5.16	0.4		●		▲								**OSF** Adecuado para el Acabado en aleaciones de altas temperaturas
		DNEG150408-OSF	15.5	12.7	4.76	5.16	0.8		●		▲								
		DNEG150604-OSF	15.5	12.7	6.35	5.16	0.4		●		▲								
		DNEG150608-OSF	15.5	12.7	6.35	5.16	0.8		●		▲								
SEMI - ACABADO		DNMG110404-OPM	11.6	9.525	4.76	3.81	0.4		●	●	▲								**OPM** Adecuado para el Semi Acabado en Materiales de Hierro
		DNMG110408-OPM	11.6	9.525	4.76	3.81	0.8		●		▲								
		DNMG110412-OPM	11.6	9.525	4.76	3.81	1.2		●		▲								
		DNMG150404-OPM	15.5	12.7	4.76	5.16	0.4		●	●	▲								
		DNMG150408-OPM	15.5	12.7	4.76	5.16	0.8		●		▲								
		DNMG150412-OPM	15.5	12.7	4.76	5.16	1.2		●		▲								
		DNMG150416-OPM	15.5	12.7	4.76	5.16	1.6		●		▲								
		DNMG150604-OPM	15.5	12.7	6.35	5.16	0.4		●		▲								
		DNMG150608-OPM	15.5	12.7	6.35	5.16	0.8		●		▲								
		DNMG150612-OPM	15.5	12.7	6.35	5.16	1.2		●		▲								
		DNMG150616-OPM	15.5	12.7	6.35	5.16	1.6		●		▲								
		DNMG110404-OMM	11.6	9.525	4.76	3.81	0.4							▲	●				**OMM** Adecuado para el Semi Acabado en Materiales Inoxidables
		DNMG110408-OMM	11.6	9.525	4.76	3.81	0.8							▲	●				
		DNMG110412-OMM	11.6	9.525	4.76	3.81	1.2							○	○				
		DNMG150404-OMM	15.5	12.7	4.76	5.16	0.4							▲	●				
		DNMG150408-OMM	15.5	12.7	4.76	5.16	0.8							▲	●				
		DNMG150604-OMM	15.5	12.7	6.35	5.16	0.4							▲	●				
		DNMG150608-OMM	15.5	12.7	6.35	5.16	0.8							▲	●				
		DNMG150612-OMM	15.5	12.7	6.35	5.16	1.2							○	○				
		DNMG110408-MF	11.6	9.525	4.76	3.81	0.8							▲	●				**MF** Adecuado para el Semi Acabado en Materiales Inoxidables
		DNMG150408-MF	15.5	12.7	4.76	5.16	0.8							▲	●				
		DNMG150608-MF	15.5	12.7	6.35	5.16	0.8							▲	●				

Placas Torneado – DN...



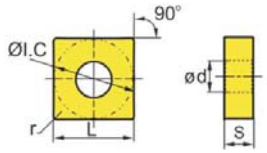
		Modelo	Dimensiones					P					M			K			Rompevirutas
			L	ΦI.C	S	Φd	r	OC2015	OC2025	OC2115	OC2125	OP1205H	OC4225	OP1215	OP1205	OC3105	OC3115	OC3115D	
SEMI - ACABADO		DNMG150412-OSM	15.5	12.7	4.76	5.16	1.2							▲	●				**OSF** Adecuado para el Semi Acabado en aleaciones de altas temperaturas
		DNMG150612-OSM	15.5	12.7	6.35	5.16	1.2							▲	●				
DESBASTE		DNMG150408-OPR	15.5	12.7	4.76	5.16	0.8		●		▲						○		**OPR** Adecuado para el desbaste en Materiales de Hierro
		DNMG150412-OPR	15.5	12.7	4.76	5.16	1.2		●		▲						○		
		DNMG150416-OPR	15.5	12.7	4.76	5.16	1.6		●		▲						○		
		DNMG150608-OPR	15.5	12.7	6.35	5.16	0.8		●		▲						○		
		DNMG150612-OPR	15.5	12.7	6.35	5.16	1.2		●		▲						○		
		DNMG150616-OPR	15.5	12.7	6.35	5.16	1.6		●		▲						○		
		DNMG150608-OMR	15.5	12.7	6.35	5.16	0.8						○						**OMR** Adecuado para el desbaste en Materiales de Inoxidable
		DNMG150612-OMR	15.5	12.7	6.35	5.16	1.2						○						
SEMI - ACABADO		DNMG150604	15.5	12.7	6.35	5.16	0.4									▲			
		DNMG150608	15.5	12.7	6.35	5.16	0.8									▲			
		DNMG150612	15.5	12.7	6.35	5.16	1.2									●	▲		
		DNMG150616	15.5	12.7	6.35	5.16	1.6									●	▲		
		DNMG190608	19.3	15.9	6.35	7.94	0.8									▲	●		
		DNMG190612	19.3	15.9	6.35	7.94	1.2									●	▲		
		DNMA110416	11.6	9.525	4.76	3.81	1.6										▲	●	
		DNMA110424	11.6	9.525	4.76	3.81	2.4										▲	●	
		DNMA150404	15.5	12.7	4.76	5.16	0.4										▲	●	
		DNMA150408	15.5	12.7	4.76	5.16	0.8										▲	●	
		DNMA150604	15.5	12.7	6.35	5.16	0.4										▲	●	
		DNMA150608	15.5	12.7	6.35	5.16	0.8										▲	●	
		DNMA150612	15.5	12.7	6.35	5.16	1.2										▲	●	
		DNMA150616	15.5	12.7	6.35	5.16	1.6										▲	●	

Placas Torneado – SN...



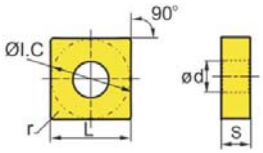
		Modelo	Dimensiones					P					M			K			Rompevirutas
			L	ΦI.C	S	Φd	r	OC2015	OC2025	OC2115	OC2125	OP1205H	OC4225	OP1215	OP1205	OC3105	OC3115	OC3115D	
ACABADO		SNMG090304-OPF	9.525	9.525	3.18	3.81	0.4	●		▲									**OPF** Adecuado para el Acabado en Materiales de Hierro
		SNMG090308-OPF	9.525	9.525	3.18	3.81	0.8	●		▲									
		SNMG120404-OPF	12.7	12.7	4.76	5.16	0.4	●		▲									
		SNMG120408-OPF	12.7	12.7	4.76	5.16	0.8	●		▲									
		SNMG120412-OPF	12.7	12.7	4.76	5.16	1.2												

Placas Torneado – SN...



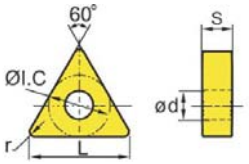
		Modelo	Dimensiones					P					M			K			Rompevirutas
			L	ΦI.C	S	Φd	r	OC2015	OC2025	OC2115	OC2125	OP1205H	OC4225	OP1215	OP1205	OC3105	OC3115	OC3115D	
ACABADO		SNMG090304-OMF	9.525	9.525	3.18	3.81	0.4							▲	●				**OMF** Adecuado para el Acabado en Materiales Inoxidables
		SNMG090308-OMF	9.525	9.525	3.18	3.81	0.8							▲	●				
		SNMG090312-OMF	9.525	9.525	3.18	3.81	1.2							●					
		SNMG120404-OMF	12.7	12.7	4.76	5.16	0.4							▲	●				
		SNMG120408-OMF	12.7	12.7	4.76	5.16	0.8							▲	●				
		SNMG120412-OMF	12.7	12.7	4.76	5.16	1.2							●					
		SNMG150608-OMF	15.9	15.9	6.35	6.35	0.8							▲	●				
		SNMG150612-OMF	15.9	15.9	6.35	6.35	1.2							●					
SEMI - ACABADO		SNMG090304-OPM	9.525	9.525	3.18	3.81	0.4		●		▲								**OPM** Adecuado para el Semi Acabado en Materiales de Hierro
		SNMG090308-OPM	9.525	9.525	3.18	3.81	0.8		●		▲								
		SNMG090312-OPM	9.525	9.525	3.18	3.81	1.2		●		▲								
		SNMG120404-OPM	12.7	12.7	4.76	5.16	0.4		●		▲								
		SNMG120408-OPM	12.7	12.7	4.76	5.16	0.8		●		▲								
		SNMG120412-OPM	12.7	12.7	4.76	5.16	1.2		●		▲								
		SNMG120416-OPM	12.7	12.7	4.76	5.16	1.6		●		▲								
		SNMG150608-OPM	15.9	15.9	6.35	6.35	0.8		●		▲								
		SNMG150612-OPM	15.9	15.9	6.35	6.35	1.2		●		▲								
		SNMG150616-OPM	15.9	15.9	6.35	6.35	1.6		●		▲								
		SNMG190612-OPM	19.1	19.1	6.35	7.94	1.2		●		▲								
		SNMG190616-OPM	19.1	19.1	6.35	7.94	1.6		●		▲								
		SNMG120404-OMM	12.7	12.7	4.76	5.16	0.4							▲	●				**OMM** Adecuado para el Semi Acabado en Materiales Inoxidables
		SNMG120408-OMM	12.7	12.7	4.76	5.16	0.8							▲	●				
		SNMG120412-OMM	12.7	12.7	4.76	5.16	1.2							○					
		SNMG120416-OMM	12.7	12.7	4.76	5.16	1.6							○					
		SNMG150612-OMM	15.9	15.9	6.35	6.35	1.2							○					
		SNMG150616-OMM	15.9	15.9	6.35	6.35	1.6							○					
		SNMG120408-MF	12.7	12.7	4.76	5.16	0.8							▲	●				**MF** Adecuado para el Semi Acabado en Materiales Inoxidables
		SNMG120408-OSM	12.7	12.7	4.76	5.16	0.8							○					**OSM** Adecuado para el Semi Acabado en aleaciones altas temperaturas
		SNMG120412-OSM	12.7	12.7	4.76	5.16	1.2							○					
DESBASTE		SNMG120408-OPR	12.7	12.7	4.76	5.16	0.8		●		▲						○		**OPR** Adecuado para el desbaste en Materiales de Hierro
		SNMG120412-OPR	12.7	12.7	4.76	5.16	1.2		▲		●						○		
		SNMG120416-OPR	12.7	12.7	4.76	5.16	1.6		▲		●						○		
		SNMG150608-OPR	15.9	15.9	6.35	6.35	0.8		●		▲						○		
		SNMG150612-OPR	15.9	15.9	6.35	6.35	1.2		▲		●						○		
		SNMG150416-OPR	15.9	15.9	6.35	6.35	1.6		▲		●						○		
		SNMG150624-OPR	15.9	15.9	6.35	6.35	2.4		▲		●						○		
		SNMG190612-OPR	19.1	19.1	6.35	7.94	1.2		▲		●						○		
		SNMG190616-OPR	19.1	19.1	6.35	7.94	1.6		▲		●						○		
		SNMG190624-OPR	19.1	19.1	6.35	7.94	2.4		▲		●						○		

Placas Torneado – SN...



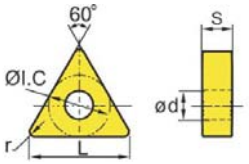
		Modelo	Dimensiones					P					M			K			Rompevirutas
			L	ΦI.C	S	Φd	r	OC2015	OC2025	OC2115	OC2125	OP1205H	OC4225	OP1215	OP1205	OC3105	OC3115	OC3115D	
DESBASTE		SNMM120408-OPR	12.7	12.7	4.76	5.16	0.8												**OPR** Adecuado para el desbaste en Materiales de Hierro
		SNMM120412-OPR	12.7	12.7	4.76	5.16	1.2												
		SNMM120416-OPR	12.7	12.7	4.76	5.16	1.6												
		SNMM150608-OPR	15.9	15.9	6.35	6.35	0.8		▲										
		SNMM150612-OPR	15.9	15.9	6.35	6.35	1.2		▲										
		SNMM150616-OPR	15.9	15.9	6.35	6.35	1.6		▲										
		SNMM190608-OPR	19.1	19.1	6.35	7.94	0.8		▲										
		SNMM190612-OPR	19.1	19.1	6.35	7.94	1.2		▲										
		SNMG120408-OMR	12.7	12.7	4.76	5.16	0.8						○						**OMR** Adecuado para el desbaste en Materiales de Inoxidable
		SNMG120412-OMR	12.7	12.7	4.76	5.16	1.2						○						
		SNMG150608-OMR	15.9	15.9	6.35	6.35	0.8						○						
		SNMG150612-OMR	15.9	15.9	6.35	6.35	1.2						○						
		SNMG190612-OMR	19.1	19.1	6.35	7.94	1.2						○						
		SNMG190616-OMR	19.1	19.1	6.35	7.94	1.6						○						
		SNMM250724-OMR	25.4	25.4	7.94	9.12	2.4						○						**OMR** Adecuado para el desbaste en Materiales de Inoxidable
		SNMM250732-OMR	25.4	25.4	7.94	9.12	3.2						○						
		SNMM250924-OMR	25.4	25.4	9.525	9.12	2.4						○						
		SNMM250932-OMR	25.4	25.4	9.525	9.12	3.2						○						
SEMI - ACABADO		SNMG090304	9.525	9.525	3.18	3.81	0.4				○					▲	●		
		SNMG090308	9.525	9.525	3.18	3.81	0.8				○					▲	●		
		SNMG120404	12.7	12.7	4.76	5.16	0.4				○					▲	●		
		SNMG120408	12.7	12.7	4.76	5.16	0.8				○					▲	●		
		SNMG120412	12.7	12.7	4.76	5.16	1.2				○					▲	●		
		SNMG120416	12.7	12.7	4.76	5.16	1.6				○					▲	●		
		SNMG150608	15.9	15.9	6.35	6.35	0.8				○					▲	●		
		SNMG150612	15.9	15.9	6.35	6.35	1.2				○					▲	●		
		SNMG190612	19.1	19.1	6.35	7.94	1.2				○					▲	●		
		SNMG190616	19.1	19.1	6.35	7.94	1.6				○					▲	●		
		SNMG250724	25.4	25.4	7.94	9.12	2.4				○					▲	●		
		SNMG250924	25.4	25.4	9.525	9.12	2.4				○					▲	●		
		SNMA090304	9.525	9.525	3.18	3.81	0.4										▲		
		SNMA090308	9.525	9.525	3.18	3.81	0.8										▲		
		SNMA120404	12.7	12.7	4.76	5.16	0.4										▲		
		SNMA120408	12.7	12.7	4.76	5.16	0.8										▲	●	
		SNMA120412	12.7	12.7	4.76	5.16	1.2										▲	●	
		SNMA120416	12.7	12.7	4.76	5.16	1.6										▲	●	
		SNMA150608	15.9	15.9	6.35	6.35	0.8										▲	●	
		SNMA150612	15.9	15.9	6.35	6.35	1.2										▲	●	
		SNMA190612	19.1	19.1	6.35	7.94	1.2										▲	●	
		SNMA190616	19.1	19.1	6.35	7.94	1.6										▲	●	

Placas Torneado – TN...



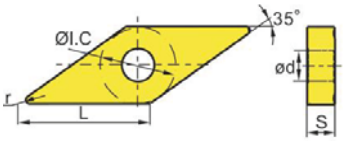
		Modelo	Dimensiones					P					M			K			Rompevirutas
			L	ΦI.C	S	Φd	r	OC2015	OC2025	OC2115	OC2125	OP1205H	OC4225	OP1215	OP1205	OC3105	OC3115	OC3115D	
ACABADO		TNMG160404-OPF	16.5	9.525	4.76	3.81	0.4	●		▲									**OPF** Adecuado para el Acabado en Materiales de Hierro
		TNMG160408-OPF	16.5	9.525	4.76	3.81	0.8	●		▲									
		TNMG160412-OPF	16.5	9.525	4.76	3.81	1.2	●		▲									
		TNMG220408-OPF	22	12.7	4.76	5.16	0.8	●		▲									
		TNMG220412-OPF	22	12.7	4.76	5.16	1.2	●		▲									
		TNMG110304-OMF	11	6.35	3.18	2.26	0.4							▲	●				**OMF** Adecuado para el Acabado en Materiales Inoxidables
		TNMG110308-OMF	11	6.35	3.18	2.26	0.8							▲	●				
		TNMG160404-OMF	16.5	9.525	4.76	3.81	0.4							▲	●				
		TNMG160408-OMF	16.5	9.525	4.76	3.81	0.8							▲	●				
		TNMG160412-OMF	16.5	9.525	4.76	3.81	1.2												
		TNMG220404-OMF	22	12.7	4.76	5.16	0.4							▲	●				
		TNMG220408-OMF	22	12.7	4.76	5.16	0.8												
		TNMG220412-OMF	22	12.7	4.76	5.16	1.2												
		TNMG160404-MSF	16.5	9.525	4.76	3.81	0.4							▲	●				**MSF** Adecuado para el Acabado en Materiales de Hierro
SEMI - ACABADO		TNMG110304-OPM	11	6.35	3.18	2.26	0.4		●		▲								**OPM** Adecuado para el Semi Acabado en Materiales de Hierro
		TNMG110308-OPM	11	6.35	3.18	2.26	0.8		●		▲								
		TNMG160404-OPM	16.5	9.525	4.76	3.81	0.4		●		▲								
		TNMG160408-OPM	16.5	9.525	4.76	3.81	0.8		●		▲								
		TNMG160412-OPM	16.5	9.525	4.76	3.81	1.2		●		▲								
		TNMG220404-OPM	22	12.7	4.76	5.16	0.4		●		▲								
		TNMG220408-OPM	22	12.7	4.76	5.16	0.8		●		▲								
		TNMG220412-OPM	22	12.7	4.76	5.16	1.2		●		▲								
		TNMG220416-OPM	22	12.7	4.76	5.16	1.6		●		▲			▲					
		TNMG160404-OMM	16.5	9.525	4.76	3.81	0.4							▲					**OMM** Adecuado para el Semi Acabado en Materiales Inoxidables
		TNMG160408-OMM	16.5	9.525	4.76	3.81	0.8							▲		○			
		TNMG160412-OMM	16.5	9.525	4.76	3.81	1.2							▲		○			
		TNMG220408-OMM	22	12.7	4.76	5.16	0.8							▲					
		TNMG220412-OMM	22	12.7	4.76	5.16	1.2							▲		○			
		TNMG220416-OMM	22	12.7	4.76	5.16	1.6							▲					
		TNMG160408-MF	16.5	9.525	4.76	3.81	0.8							▲		○			**MF** Adecuado para el Semi Acabado en Materiales Inoxidables
DESBASTE		TNMG160404-OPR	16.5	9.525	4.76	3.81	0.4		●		▲								**OPR** Adecuado para el desbaste en Materiales de Hierro
		TNMG160408-OPR	16.5	9.525	4.76	3.81	0.8		●		▲								
		TNMG160412-OPR	16.5	9.525	4.76	3.81	1.2		●		▲								
		TNMG220404-OPR	22	12.7	4.76	5.16	0.4		●		▲								
		TNMG220408-OPR	22	12.7	4.76	5.16	0.8		●		▲								
		TNMG220412-OPR	22	12.7	4.76	5.16	1.2		●		▲								
		TNMG220416-OPR	22	12.7	4.76	5.16	1.6		●		▲								
		TNMG270608-OPR	27.5	15.9	6.35	6.35	0.8												
		TNMG270612-OPR	27.5	15.9	6.35	6.35	1.2												
		TNMG270616-OPR	27.5	15.9	6.35	6.35	1.6												

Placas Torneado – TN...



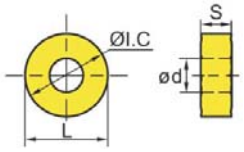
		Modelo	Dimensiones					P					M			K			Rompevirutas
			L	ΦI.C	S	Φd	r	OC2015	OC2025	OC2115	OC2125	OP1205H	OC4225	OP1215	OP1205	OC3105	OC3115	OC3115D	
DESBASTE		TNMM160408-OPR	16.5	9.525	4.76	3.81	0.8		○										**OPR** Adecuado para el desbaste en Materiales de Hierro
		TNMM160412-OPR	16.5	9.525	4.76	3.81	1.2		○										
		TNMM220408-OPR	22	12.7	4.76	5.16	0.8		○										
		TNMM220412-OPR	22	12.7	4.76	5.16	1.2		○										
		TNMM220416-OPR	22	12.7	4.76	5.16	1.6		○										
		TNMM270612-OPR	27.5	15.9	6.35	6.35	1.2		○										
		TNMM270616-OPR	27.5	15.9	6.35	6.35	1.6		○										
		TNMM160408-OPR	16.5	9.525	4.76	3.81	0.8		○										**OPR** Adecuado para el desbaste en Materiales de Hierro
		TNMM160412-OPR	16.5	9.525	4.76	3.81	1.2		○										
		TNMM220408-OPR	22	12.7	4.76	5.16	0.8		○										
		TNMM220412-OPR	22	12.7	4.76	5.16	1.2		○										
		TNMM220416-OPR	22	12.7	4.76	5.16	1.6		○										
		TNMM270612-OPR	27.5	15.9	6.35	6.35	1.2		○										
		TNMM270616-OPR	27.5	15.9	6.35	6.35	1.6		○										
		TNMG160408-OMR	16.5	9.525	4.76	3.81	0.8						○						**OMR** Adecuado para el desbaste en Materiales de Inoxidable
		TNMG160412-OMR	16.5	9.525	4.76	3.81	1.2						○						
		TNMG220408-OMR	22	12.7	4.76	5.16	0.8						○						
		TNMG220412-OMR	22	12.7	4.76	5.16	1.2						○						
		TNMM160408-OMR	16.5	9.525	4.76	3.81	0.8						○						**OMR** Adecuado para el desbaste en Materiales de Inoxidable
		TNMM160412-OMR	16.5	9.525	4.76	3.81	1.2						○						
		TNMM220408-OMR	22	12.7	4.76	5.16	0.8						○						
		TNMM220412-OMR	22	12.7	4.76	5.16	1.2						○						
		TNMM220416-OMR	22	12.7	4.76	5.16	1.6						○						
SEMI - ACABADO		TNMG110308	11	6.35	3.18	2.26	0.8				○					▲	●		
		TNMG160404	11	6.35	3.18	2.26	0.4				○					▲	●		
		TNMG160408	16.5	9.525	4.76	3.81	0.8				○					▲	●		
		TNMG160412	16.5	9.525	4.76	3.81	1.2				○					▲	●		
		TNMG220404	22	12.7	4.76	5.16	0.4				○					▲	●		
		TNMG220408	22	12.7	4.76	5.16	0.8				○					▲	●		
		TNMG220412	22	12.7	4.76	5.16	1.2				○					▲	●		
		TNMG220416	22	12.7	4.76	5.16	1.6				○					▲	●		
		TNMG270612	27.5	15.9	6.35	6.35	1.2												
		TNMG270616	27.5	15.9	6.35	6.35	1.6												
		TNMG330916	33	19.1	9.525	7.94	1.6												
		TNMG330924	33	19.1	9.525	7.94	2.4												
		TNMA160404	16.5	9.525	4.76	3.81	0.4										▲	●	
		TNMA160408	16.5	9.525	4.76	3.81	0.8										▲	●	
		TNMA160412	16.5	9.525	4.76	3.81	1.2										▲	●	
		TNMA160416	16.5	9.525	4.76	3.81	1.6										▲	●	
		TNMA220404	22	12.7	4.76	5.16	0.4										▲	●	
		TNMA220408	22	12.7	4.76	5.16	0.8										▲	●	
		TNMA220412	22	12.7	4.76	5.16	1.2										▲	●	
		TNMA220416	22	12.7	4.76	5.16	1.6										▲	●	
		TNMA270616	27.5	15.9	6.35	6.35	1.6										▲	●	

Placas Torneado – VN...



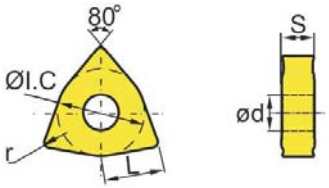
		Modelo	Dimensiones					P					M			K			Rompevirutas
			L	ΦI.C	S	Φd	r	OC2015	OC2025	OC2115	OC2125	OP1205H	OC4225	OP1215	OP1205	OC3105	OC3115	OC3115D	
ACABADO		VNMG160404-OPF	16.6	9.525	4.76	3.81	0.4	●		▲	○								**OPF** Adecuado para el Acabado en Materiales de Hierro
		VNMG160408-OPF	16.6	9.525	4.76	3.81	0.8	●		▲	○								
		VNMG160404-OMF	16.6	9.525	4.76	3.81	0.4							▲	●				**OMF** Adecuado para el Acabado en Materiales Inoxidables
		VNMG160408-OMF	16.6	9.525	4.76	3.81	0.8							▲	●				
		VNMG160412-OMF	16.6	9.525	4.76	3.81	1.2							▲	●				
		VNMG160404-MSF	16.6	9.525	4.76	3.81	0.4							▲	●				**MSF** Adecuado para el Acabado en Materiales Inoxidables
		VNEG160404-OSF	16.6	9.525	4.76	3.81	0.4							▲	●				**OSF** Adecuado para el Semi Acabado en aleaciones de altas temperaturas
		VNEG160408-OSF	16.6	9.525	4.76	3.81	0.8							▲	●				
SEMI - ACABADO		VNMG160404-OPM	16.6	9.525	4.76	3.81	0.4	○	●		▲								**OPM** Adecuado para el Semi Acabado en Materiales de Hierro
		VNMG160408-OPM	16.6	9.525	4.76	3.81	0.8	○	●		▲								
		VNMG160412-OPM	16.6	9.525	4.76	3.81	1.2		●		▲								
		VNMG160404-OMM	16.6	9.525	4.76	3.81	0.4							▲	●				**OMM** Adecuado para el Semi Acabado en Materiales Inoxidables
		VNMG160408-OMM	16.6	9.525	4.76	3.81	0.8							▲	●				
		VNMG160408-MF	16.6	9.525	4.76	3.81	0.8							▲	●				**MF** Adecuado para el Semi Acabado en Materiales Inoxidables
		VNMG160412-OSM	16.6	9.525	4.76	3.81	1.2							▲	●				**OSM** Adecuado para el Semi Acabado en aleaciones altas temperaturas
		VNMG160408-OPR	16.6	9.525	4.76	3.81	0.4							▲	●				**OPR** Adecuado para el desbaste en Materiales de Hierro
		VNMG160412-OPR	16.6	9.525	4.76	3.81	0.8							▲	●				
		VNMG160404	16.6	9.525	4.76	3.81	0.4			○						▲	●		
		VNMG160408	16.6	9.525	4.76	3.81	0.8			○						▲	●		
		VNMA160404	16.6	9.525	4.76	3.81	0.4										▲	●	

Placas Torneado – RN...



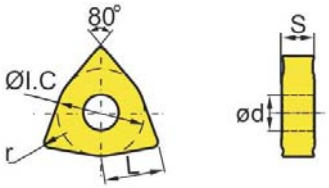
		Modelo	Dimensiones					P					M			K			Rompevirutas
			L	ΦI.C	S	Φd	r	OC2015	OC2025	OC2115	OC2125	OP1205H	OC4225	OP1215	OP1205	OC3105	OC3115	OC3115D	
		RNMG120400	12.7	12.7	4.76	5.16			●		▲								

Placas Torneado – WN...



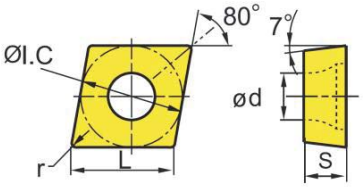
		Modelo	Dimensiones					P					M			K			Rompevirutas
			L	ΦI.C	S	Φd	r	OC2015	OC2025	OC2115	OC2125	OP1205H	OC4225	OP1215	OP1205	OC3105	OC3115	OC3115D	
ACABADO		WNMG06T304-OPF	6.5	9.525	3.97	3.81	0.4	●		▲									**OPF** Adecuado para el Acabado en Materiales de Hierro
		WNMG06T308-OPF	6.5	9.525	3.97	3.81	0.8	●		▲									
		WNMG06T312-OPF	6.5	9.525	3.97	3.81	1.2	●		▲									
		WNMG060404-OPF	6.5	9.525	4.76	3.81	0.4	●		▲									
		WNMG060408-OPF	6.5	9.525	4.76	3.81	0.8	●		▲									
		WNMG060412-OPF	6.5	9.525	4.76	3.81	1.2	●		▲									
		WNMG080404-OPF	8.7	12.7	4.76	5.16	0.4	●		▲									
		WNMG080408-OPF	8.7	12.7	4.76	5.16	0.8	●		▲									
		WNMG080412-OPF	8.7	12.7	4.76	5.16	1.2	●		▲									
		WNMG06T304-OMF	6.5	9.525	3.97	3.81	0.4							▲	●				**OMF** Adecuado para el Acabado en Materiales Inoxidables
		WNMG06T308-OMF	6.5	9.525	3.97	3.81	0.8							▲	●				
		WNMG06T312-OMF	6.5	9.525	3.97	3.81	1.2							▲	●				
		WNMG060404-OMF	6.5	9.525	4.76	3.81	0.4							▲	●				
		WNMG060408-OMF	6.5	9.525	4.76	3.81	0.8							▲	●				
		WNMG080404-OMF	8.7	12.7	4.76	5.16	0.4							▲	●				
		WNMG080408-OMF	8.7	12.7	4.76	5.16	0.8							▲	●				
		WNMG060304-MSF	6.5	9.525	3.18	3.81	0.4							▲	●				**MSF** Adecuado para el Acabado en Materiales Inoxidables
		WNMG060404-MSF	6.5	9.525	4.76	3.81	0.4							▲	●				
		WNMG080404-MSF	8.7	12.7	4.76	5.16	0.4							▲	●				
		WNEG080404-OSF	8.7	12.7	4.76	5.16	0.4							▲	●				**OSF** Adecuado para el Semi Acabado en aleaciones de altas temperaturas
		WNEG080408-OSF	8.7	12.7	4.76	5.16	0.8							▲	●				
SEMI - ACABADO		WNMG06T304-OPM	6.5	9.525	3.97	3.81	0.4		●		▲								**OPM** Adecuado para el Semi Acabado en Materiales de Hierro
		WNMG06T308-OPM	6.5	9.525	3.97	3.81	0.8		●		▲								
		WNMG06T312-OPM	6.5	9.525	3.97	3.81	1.2		●		▲								
		WNMG060408-OPM	6.5	9.525	4.76	3.81	0.4		●		▲								
		WNMG060412-OPM	6.5	9.525	4.76	3.81	0.8		●		▲								
		WNMG080404-OPM	8.7	12.7	4.76	5.16	0.4		●		▲								
		WNMG080408-OPM	8.7	12.7	4.76	5.16	0.8		●		▲								
		WNMG080412-OPM	8.7	12.7	4.76	5.16	1.2		●		▲								
		WNMG080416-OPM	8.7	12.7	4.76	5.16	1.6		●		▲								
		WNMG06T304-OMM	6.5	9.525	3.97	3.81	0.4							▲	●				**OMM** Adecuado para el Semi Acabado en Materiales Inoxidables
		WNMG06T308-OMM	6.5	9.525	3.97	3.81	0.8							▲	●				
		WNMG06T312-OMM	6.5	9.525	3.97	3.81	1.2							▲	●				
		WNMG060404-OMM	6.5	9.525	4.76	3.81	0.4							▲	●				
		WNMG060408-OMM	6.5	9.525	4.76	3.81	0.8							▲	●				
		WNMG080404-OMM	8.7	12.7	4.76	5.16	0.4							▲	●				
		WNMG080408-OMM	8.7	12.7	4.76	5.16	0.8							▲	●				
		WNMG080412-OMM	8.7	12.7	4.76	5.16	1.2							▲	●				

Placas Torneado – WN...



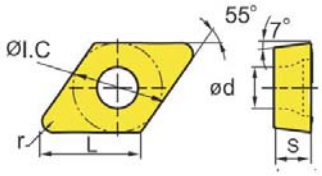
		Modelo	Dimensiones					P					M			K			Rompevirutas
			L	ΦI.C	S	Φd	r	OC2015	OC2025	OC2115	OC2125	OP1205H	OC4225	OP1215	OP1205	OC3105	OC3115	OC3115D	
SEMI - ACABADO		WNMG060408-MF	6.5	9.525	4.76	3.81	0.8							▲	●				**MF** Adecuado para el Semi Acabado en Materiales Inoxidables
		WNMG080408-MF	8.7	12.7	4.76	5.16	0.8							▲	●				
		WNMG080412-MF	8.7	12.7	4.76	5.16	1.2							▲	●				
		WNMG080408-OSM	8.7	12.7	4.76	5.16	0.8							▲	●				**OSM** Adecuado para el Semi Acabado en aleaciones altas temperaturas
		WNMG080412-OSM	8.7	12.7	4.76	5.16	1.2							▲	●				
DESBASTE		WNMG060408-OPR	6.5	9.525	4.76	3.81	0.8		●		▲						○		**OPR** Adecuado para el desbaste en Materiales de Hierro
		WNMG060412-OPR	6.5	9.525	4.76	3.81	1.2		●		▲						○		
		WNMG080408-OPR	8.7	12.7	4.76	5.16	0.8		●		▲						○		
		WNMG080412-OPR	8.7	12.7	4.76	5.16	1.2		●		▲						○		
		WNMG080416-OPR	8.7	12.7	4.76	5.16	1.6		●		▲						○		
SEMI - ACABADO		WNMG06T308	6.5	9.525	3.97	3.81	0.8				○					▲	●		
		WNMG060408	6.5	9.525	4.76	3.81	0.8				○					▲	●		
		WNMG060412	6.5	9.525	4.76	3.81	1.2				○					▲	●		
		WNMG060416	6.5	9.525	4.76	3.81	1.6				○					▲	●		
		WNMG080404	8.7	12.7	4.76	5.16	0.4				○					▲	●		
		WNMG080408	8.7	12.7	4.76	5.16	0.8				○					▲	●		
		WNMG080412	8.7	12.7	4.76	5.16	1.2				○					▲	●		
		WNMA06T308	6.5	9.525	3.97	3.81	0.8										▲	●	
		WNMA060404	6.5	9.525	4.76	3.81	0.4										▲	●	
		WNMA060408	6.5	9.525	4.76	3.81	0.8										▲	●	
		WNMA060412	6.5	9.525	4.76	3.81	1.2										▲	●	
		WNMA080404	8.7	12.7	4.76	5.16	0.4										▲	●	
		WNMA080408	8.7	12.7	4.76	5.16	0.8										▲	●	
		WNMA080412	8.7	12.7	4.76	5.16	1.2										▲	●	
		WNMA080416	8.7	12.7	4.76	5.16	1.6										▲	●	

Placas Positivas Torneado – CC...



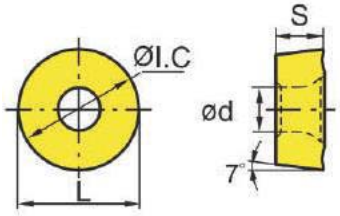
		Modelo	Dimensiones					P					M			K			Rompevirutas
			L	ΦI.C	S	Φd	r	OC2015	OC2025	OC2115	OC2125	OP1205H	OC4225	OP1215	OP1205	OC3105	OC3115	OC3115D	
ACABADO		CCMT060202-OTF	6.4	6.35	2.38	2.8	0.2					●		▲	●				**OTF** Adecuado para Acabado en Materiales de Hierro y de Inoxidable
		CCMT060204-OTF	6.4	6.35	2.38	2.8	0.4	●		▲		●		▲	●				
		CCMT09T302-OTF	9.7	9.525	3.97	4.4	0.2					●							
		CCMT09T304-OTF	9.7	9.525	3.97	4.4	0.4	●		▲		●		▲	●				
		CCMT09T308-OTF	9.7	9.525	3.97	4.4	0.8	●		▲				▲	●				
		CCMT120404-OTF	12.9	12.7	4.76	5.56	0.4	●		▲		●		▲	●				
		CCMT120408-OTF	12.9	12.7	4.76	5.56	0.8	●		▲				▲	●				
SEMI -ACABADO		CCMT060204-OTM	6.4	6.35	2.38	2.8	0.4	●		▲	●	○							**OTM** Adecuado para Semi-Acabado en Materiales de Hierro y de Inoxidable
		CCMT060208-OTM	6.4	6.35	2.38	2.8	0.8		●		▲								
		CCMT09T304-OTM	9.7	9.525	3.97	4.4	0.4	●			▲	○							
		CCMT09T308-OTM	9.7	9.525	3.97	4.4	0.8		●		▲								
		CCMT120404-OTM	12.9	12.7	4.76	5.56	0.4	●			▲	○							
		CCMT120408-OTM	12.9	12.7	4.76	5.56	0.8		●		▲								
		CCMT120412-OTM	12.9	12.7	4.76	5.56	1.2		●		▲	○							
ACABADO		CCMT060202-MSF	6.4	6.35	2.38	2.8	0.4							▲	●				**MSF** Adecuado para el Acabado en Materiales Inoxidables
		CCMT060204-MSF	9.7	9.525	3.97	4.4	0.4							▲	●				
		CCMT09T304-MSF	9.7	9.525	3.97	4.4	0.8							▲	●				
		CCMT09T308-MSF	12.9	12.7	4.76	5.56	0.4							▲	●				
		CCMT120404-MSF	12.9	12.7	4.76	5.56	0.8							▲	●				
DESBASTE		CCMT060204-OTR	6.4	6.35	2.38	2.8	0.4		●		▲					▲			**OTR** Adecuado para Desbaste en Materiales de Hierro y de Inoxidable
		CCMT060208-OTR	6.4	6.35	2.38	2.8	0.8		●		▲					▲	○		
		CCMT09T304-OTR	9.7	9.525	3.97	4.4	0.4		●		▲					▲			
		CCMT09T308-OTR	9.7	9.525	3.97	4.4	0.8		●		▲					▲	●		
		CCMT120408-OTR	12.9	12.7	4.76	5.56	0.8		●		▲					▲	●		
		CCMT120412-OTR	12.9	12.7	4.76	5.56	1.2		●		▲					▲	●		
		CCMW060204	6.4	6.35	2.38	2.8	0.4												
		CCMW09T304	9.7	9.525	3.97	4.4	0.4										○		
		CCMW09T308	9.7	9.525	3.97	4.4	0.8										○		
		CCMW120404	12.9	12.7	4.76	5.56	0.4										○		
		CCMW120408	12.9	12.7	4.76	5.56	0.8										○		

Placas Positivas Torneado – DC...



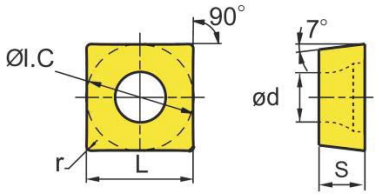
		Modelo	Dimensiones					P					M			K			Rompevirutas
			L	ΦI.C	S	Φd	r	OC2015	OC2025	OC2115	OC2125	OP1205H	OC4225	OP1215	OP1205	OC3105	OC3115	OC3115D	
ACABADO		DCMT070202-OTF	7.8	6.35	2.38	2.8	0.2			▲		●		▲	●				**OTF** Adecuado para Acabado en Materiales de Hierro y de Inoxidable
		DCMT070204-OTF	7.8	6.35	2.38	2.8	0.4	●		▲		●		▲	●				
		DCMT070208-OTF	7.8	6.35	2.38	2.8	0.8	●		▲				▲	●				
		DCMT11T302-OTF	11.6	9.525	3.97	4.4	0.2			▲		●		▲	●				
		DCMT11T304-OTF	11.6	9.525	3.97	4.4	0.4	●		▲		●		▲	●				
		DCMT11T308-OTF	11.6	9.525	3.97	4.4	0.8	●		▲				▲	●				
SEMI-ACABADO		DCMT070204-OTM	7.8	6.35	2.38	2.8	0.4			▲				▲					**OTM** Adecuado para Semi-Acabado en Materiales de Hierro y de Inoxidable
		DCMT070208-OTM	7.8	6.35	2.38	2.8	0.8		●		▲			▲					
		DCMT11T304-OTM	11.6	9.525	3.97	4.4	0.4			▲				▲					
		DCMT11T308-OTM	11.6	9.525	3.97	4.4	0.8		●		▲			▲					
		DCMT11T312-OTM	11.6	9.525	3.97	4.4	1.2		●		▲			▲					
DESBASTE		DCMT070208-OTR	7.8	6.35	2.38	2.8	0.8		●		▲						▲		**OTR** Adecuado para Desbaste en Materiales de Hierro y de Inoxidable
		DCMT11T304-OTR	11.6	9.525	3.97	4.4	0.4		●		▲						▲		
		DCMT11T308-OTR	11.6	9.525	3.97	4.4	0.8		●		▲						▲		
		DCMT11T312-OTR	11.6	9.525	3.97	4.4	1.2		●		▲						▲		
		DCMW070204	7.8	6.35	2.38	2.8	0.4										○		
		DCMW11T304	11.6	9.525	3.97	4.4	0.4										○		
		DCMW11T308	11.6	9.525	3.97	4.4	0.8										○		

Placas Positivas Torneado – RC...



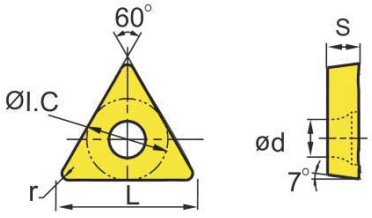
		Modelo	Dimensiones					P					M			K			Rompevirutas
			L	ΦI.C	S	Φd	r	OC2015	OC2025	OC2115	OC2125	OP1205H	OC4225	OP1215	OP1205	OC3105	OC3115	OC3115D	
SEMI- ACABADO		RCMT0803MO	8.0	8.0	3.18	3.36			●		▲						▲		
		RCMT1003MO	10	10	3.97	4.4			●		▲						▲		
		RCMT1204MO	12	12	4.76	4.4			●		▲						▲		
		RCMT1606MO	16	16	6.35	5.5			●		▲						▲		
		RCMX0803MO	8.0	8.0	3.2	3.36			●		▲						▲		
		RCMX1003MO	10	10	3.18	3.6			●		▲						▲		
		RCMX1204MO	12	12	4.76	4.4			●		▲						▲		
		RCMX1606MO	16	16	6.35	5.5			●		▲						▲		
		RCMX2006MO	20	20	6.35	6.5			●		▲						▲		
		RCMX2507MO	25	25	7.94	7.2			▲		●						▲		
		RCMX3209MO	32	32	9.52	9.5			▲		●						▲		

Placas Positivas Torneado – SC...



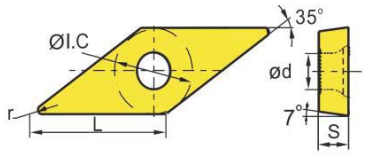
		Modelo	Dimensiones					P					M			K			Rompevirutas
			L	ΦI.C	S	Φd	r	OC2015	OC2025	OC2115	OC2125	OP1205H	OC4225	OP1215	OP1205	OC3105	OC3115	OC3115D	
ACABADO		SCMT09T302-OTF	9.525	9.525	3.97	4.4	0.2	●		▲		●		▲					**OTF** Adecuado para Acabado en Materiales de Hierro y de Inoxidable
		SCMT09T304-OTF	9.525	9.525	3.97	4.4	0.4	●		▲		●		▲					
		SCMT09T308-OTF	9.525	9.525	3.97	4.4	0.8	●		▲				▲					
SEMI-ACABADO		SCMT09T304-OTM	9.525	9.525	3.97	4.4	0.4	●		▲				▲					**OTM** Adecuado para Semi-Acabado en Materiales de Hierro y de Inoxidable
		SCMT09T308-OTM	9.525	9.525	3.97	4.4	0.8		●		▲			▲					
		SCMT120404-OTM	12.7	12.7	4.76	5.56	0.4	●		▲				▲					
		SCMT120408-OTM	12.7	12.7	4.76	5.56	0.8		●		▲			▲					
		SCMT120412-OTM	12.7	12.7	4.76	5.56	1.2		●		▲			▲					
DESBASTE		SCMT09T304-OTR	9.525	9.525	3.97	4.4	0.4			●							▲		**OTR** Adecuado para Desbaste en Materiales de Hierro y de Inoxidable
		SCMT09T308-OTR	9.525	9.525	3.97	4.4	0.8		●		▲						▲		
		SCMT09T312-OTR	9.525	9.525	3.97	4.4	1.2		●		▲						▲		
		SCMT120404-OTR	12.7	12.7	4.76	5.56	0.4			●							▲		
		SCMT120408-OTR	12.7	12.7	4.76	5.56	0.8		●		▲						▲		
		SCMT120412-OTR	12.7	12.7	4.76	5.56	1.2		●		▲						▲		
		SCMT06T304	9.525	9.525	3.97	4.4	0.2	●		▲		●		▲					
		SCMT120404	12.7	12.7	4.76	5.56	0.4	●		▲		●		▲					
		SCMT120408	12.7	12.7	4.76	5.56	0.8	●		▲				▲					
		SCMW060204	9.525	9.525	3.97	4.4	0.4	●		▲				▲					
		SCMW09T304	9.525	9.525	3.97	4.4	0.4		●		▲			▲					
		SCMW09T308	9.525	9.525	3.97	4.4	0.8	●		▲				▲					
		SCMW120408	12.7	12.7	4.76	5.56	0.8		●		▲			▲					

Placas Positivas Torneado – TC...



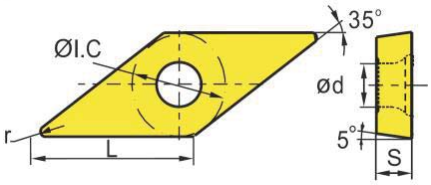
		Modelo	Dimensiones					P					M			K			Rompevirutas
			L	ΦI.C	S	Φd	r	OC2015	OC2025	OC2115	OC2125	OP1205H	OC4225	OP1215	OP1205	OC3105	OC3115	OC3115D	
ACABADO		TCMT06T104-OTF	6.4	3.97	1.98	2.2	0.4	●		▲		●		▲					**OTF** Adecuado para Acabado en Materiales de Hierro y de Inoxidable
		TCMT06T108-OTF	6.4	3.97	1.98	2.2	0.8	●		▲		●		▲					
		TCMT090202-OTF	9.6	5.56	2.38	2.5	0.2	●				●		▲					
		TCMT090204-OTF	9.6	5.56	2.38	2.5	0.4	●		▲		●		▲					
		TCMT090208-OTF	9.6	5.56	2.38	2.5	0.8	●		▲				▲					
		TCMT110202-OTF	11	6.35	2.38	2.8	0.2	●				●		▲					
		TCMT110204-OTF	11	6.35	2.38	2.8	0.4	●		▲		●		▲					
		TCMT110208-OTF	11	6.35	2.38	2.8	0.8	●		▲				▲					
		TCMT16T302-OTF	16.5	9.525	3.97	4.4	0.2	●		▲		●		▲					
		TCMT16T304-OTF	16.5	9.525	3.97	4.4	0.4	●		▲		●		▲					
		TCMT16T308-OTF	16.5	9.525	3.97	4.4	0.8	●		▲				▲					
SEMI-ACABADO		TCMT090204-OTM	9.6	5.56	2.38	2.5	0.4	●		▲		○		▲					**OTM** Adecuado para Semi-Acabado en Materiales de Hierro y de Inoxidable
		TCMT090208-OTM	9.6	5.56	2.38	2.5	0.8		●		▲			▲					
		TCMT110204-OTM	11	6.35	2.38	2.8	0.4	●		▲		○		▲					
		TCMT110208-OTM	11	6.35	2.38	2.8	0.8		●		▲			▲					
		TCMT16T304-OTM	16.5	9.525	3.97	4.4	0.4		●		▲	○		▲					
		TCMT16T308-OTM	16.5	9.525	3.97	4.4	0.8		●		▲			▲					
		TCMT16T312-OTM	16.5	9.525	3.97	4.4	1.2		●		▲			▲					
		TCMT090204-OTR	9.6	5.56	2.38	2.5	0.4		●		▲						▲		**OTR** Adecuado para Desbaste en Materiales de Hierro y de Inoxidable
		TCMT090208-OTR	9.6	5.56	2.38	2.5	0.8		●		▲						▲		
		TCMT110204-OTR	11	6.35	2.38	2.8	0.4		●		▲						▲		
		TCMT110208-OTR	11	6.35	2.38	2.8	0.8		●		▲						▲		
		TCMT16T304-OTR	16.5	9.525	3.97	4.4	0.4		●		▲						▲		
		TCMT16T308-OTR	16.5	9.525	3.97	4.4	0.8		●		▲						▲		
		TCMT16T312-OTR	16.5	9.525	3.97	4.4	1.2		●		▲						▲		
		TCMT220408-OTR	22	12.7	4.76	5.5	0.8				▲						▲		

Placas Positivas Torneado – VC...



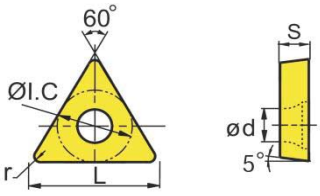
		Modelo	Dimensiones					P					M			K			Rompevirutas
			L	ΦI.C	S	Φd	r	OC2015	OC2025	OC2115	OC2125	OP1205H	OC4225	OP1215	OP1205	OC3105	OC3115	OC3115D	
ACABADO		VCMT110302-OTF	11	6.35	3.18	2.8	0.2	●		▲		●		▲					**OTF** Adecuado para Acabado en Materiales de Hierro y de Inoxidable
		VCMT110304-OTF	11	6.35	3.18	2.8	0.4	●		▲		●		▲					
		VCGT160408-OSF	16.5	9.525	4.76	4.4	0.8	●		▲		●		▲					**OSF** Adecuado para el Semi Acabado en aleaciones de altas temperaturas
SEMI ACABADO		VCMT160404-OTM	16.6	9.525	4.76	3.81	0.4	●		▲		●		▲					**OTM** Adecuado para Semi-Acabado en Materiales de Hierro y de Inoxidable
		VCMT160408-OTM	16.6	9.525	4.76	3.81	0.8	●		▲		●		▲					

Placas Positivas Torneado – VB...



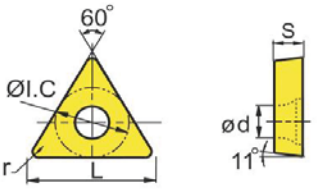
		Modelo	Dimensiones					P					M			K			Rompevirutas
			L	ΦI.C	S	Φd	r	OC2015	OC2025	OC2115	OC2125	OP1205H	OC4225	OP1215	OP1205	OC3105	OC3115	OC3115D	
ACABADO		VBMT110302-OTF	11	6.35	3.18	2.8	0.2	●		▲		●		▲					**OTF** Adecuado para Acabado en Materiales de Hierro y de Inoxidable
		VBMT110304-OTF	11	6.35	3.18	2.8	0.4	●		▲		●		▲					
		VBMT110308-OTF	11	6.35	3.18	2.8	0.8	●		▲				▲					
		VBMT160404-OTF	16.5	9.525	4.76	4.4	0.4	●		▲		●		▲					
		VBMT160408-OTF	16.5	9.525	4.76	4.4	0.8	●		▲				▲					
		VBET160404-OSF	16.5	9.525	4.76	4.4	0.4	●		▲		●		▲					**OSF** Adecuado para el Semi Acabado en aleaciones de altas temperaturas
		VBET160408-OSF	16.5	9.525	4.76	4.4	0.8	●		▲				▲					
SEMI – ACABADO		VBMT110304-OTM	11	6.35	3.18	2.8	0.4		●		▲			▲					**OTM** Adecuado para Semi-Acabado en Materiales de Hierro y de Inoxidable
		VBMT110308-OTM	11	6.35	3.18	2.8	0.8		●		▲			▲					
		VBMT160404-OTM	16.5	9.525	4.76	4.4	0.4		●		▲			▲					
		VBMT160408-OTM	16.5	9.525	4.76	4.4	0.8		●		▲			▲					
		VBMT160412-OTM	16.5	9.525	4.76	4.4	1.2		●		▲			▲					
		VBET160404-OSM	16.5	9.525	4.76	4.4	0.4		●		▲			▲					
		VBET160408-OSM	16.5	9.525	4.76	4.4	0.8		●		▲			▲					
DESBASTE		VBMT160404-OTR	16.5	9.525	4.76	4.4	0.4		●		▲						▲		
		VBMT160408-OTR	16.5	9.525	4.76	4.4	0.8		●		▲						▲		
		VBMT160412-OTR	16.5	9.525	4.76	4.4	1.2		●		▲						▲		

Placas Positivas Torneado – TB...



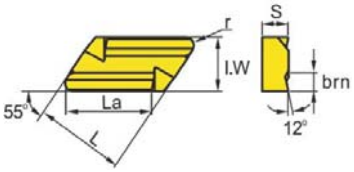
		Modelo	Dimensiones					P					M			K		
			L	ΦI.C	S	Φd	r	OC2015	OC2025	OC2115	OC2125	OP1205H	OC4225	OP1215	OP1205	OC3105	OC3115	OC3115D
ACABADO		TBGH060102L	6.4	3.97	1.59	2.2	0.2					▲						
		TBGH060104L	6.4	3.97	1.59	2.2	0.4					▲						
		TBGH060202L	6.4	3.97	2.38	2.2	0.2					▲						
		TBGH060202R	6.4	3.97	2.38	2.2	0.2					▲						

Placas Positivas Torneado – TP...



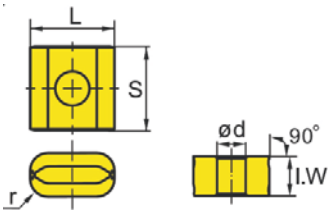
		Modelo	Dimensiones					P					M			K		
			L	ΦI.C	S	Φd	r	OC2015	OC2025	OC2115	OC2125	OP1205H	OC4225	OP1215	OP1205	OC3105	OC3115	OC3115D
ACABADO		TPGH090202L	9.3	5.56	2.38	2.8	0.2					▲						
		TPGH090204L	9.6	5.56	2.38	2.8	0.4					▲						
		TPGH110302L	11	6.35	3.18	3.18	0.2					▲						
		TPGH110304L	11	6.35	3.18	3.18	0.4					▲						

Placas Positivas Torneado – KN...



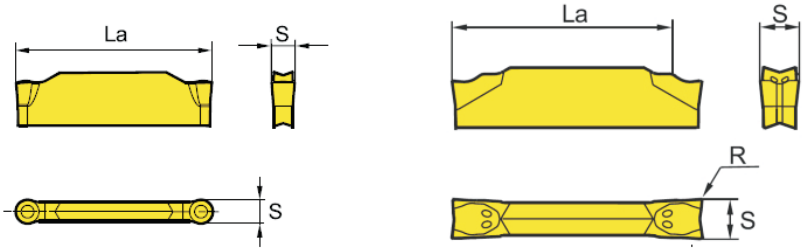
		Modelo	Dimensiones						P					M			K		
			La	L	l.W	S	brn	r	OC2015	OC2025	OC2115	OC2125	OP1205H	OC4225	OP1215	OP1205	OC3105	OC3115	OC3115D
		KNUX160405L11	16	16.2	9.525	4.76	2.2	0.5		●		▲							
		KNUX160410L11	16	16.2	9.525	4.76	2.2	1.0		●		▲							
		KNUX160405L12	16	16.2	9.525	4.76	2.2	0.5		●		▲							
		KNUX160410L12	16	16.2	9.525	4.76	2.2	1.0		○		○							
		KNUX160415L12	16	16.2	9.525	4.76	2.2	1.5											
		KNUX160404R11	16	16.2	9.525	4.76	2.2	0.5		●		▲							
		KNUX160410R11	16	16.2	9.525	4.76	2.2	1.0		●		▲							
		KNUX160405R12	16	16.2	9.525	4.76	2.2	0.5		●		▲							
		KNUX160410R12	16	16.2	9.525	4.76	2.2	1.0		○		○							
		KNUX160415R12	16	16.2	9.525	4.76	2.2	1.5											

Placas Torneado Gran Desbaste – 175..



		Modelo	Dimensiones					P					M			K		
			L	ΦI.C	S	Φd	r	OC2015	OC2025	OC2115	OC2125	OP1205H	OC4225	OP1215	OP1205	OC3105	OC3115	OC3115D
DESBASTE		175.32-191940-22	19.1	10	19.1	6.35	4		●		▲							
		175.32-191940-227	19.1	10	19.1	6.35	4		●		▲							
		175.32-191940-28	19.1	10	19.1	6.35	4		●		▲							

Placas Ranurado



		Modelo	Dimensiones			P					M			K			Rompevirutas
			S0 +0.1	R±0.1	La MAX	OC2015	OC2025	OC2115	OC2125	OP1205H	OC4225	OP1215	OP1205	OC3105	OC3115	OC3115D	
RADIO		QRED025-MP	2.5		17.5					○	▲						**MP** Adecuado para Semi-Acabado en Materiales de Hierro y de Inoxidable
		QRFD03-MP	3		17					○	▲						
		QRGD04-MP	4		21					○	▲						
		QRHD05-MP	5		20					○	▲						
		QRKD06-MP	6		19	○	○			○	▲						
RECTA		QTED02502N-MP	2.5	0.2	17					○	▲						**MP** Adecuado para Semi-Acabado en Materiales de Hierro y de Inoxidable
		QTFD0303N-MP	3	0.2	17					○	▲						
		QTGD0404N-MP	4	0.2	22					○	▲						
		QTHD0504N-MP	5	0.3	22					○	▲						
		QTKD0604N-MP	6	0.4	22					○	▲						

Placas para Aluminio

		Modelo	Dimensiones					Calidad	Rompevirutas
			L	ΦI.C	S	Φd	r		
ACABADO		CCGX060202-NL	6.4	6.35	2.38	2.8	0.2	OK434	**NL** Adecuado materiales de aluminio y aleaciones
		CCGX060204-NL	6.4	6.35	2.38	2.8	0.4		
		CCGX09T302-NL	9.7	9.525	3.97	4.4	0.2		
		CCGX09T304-NL	9.7	9.525	3.97	4.4	0.4		
		CCGX09T308-NL	9.7	9.525	3.97	4.4	0.8		
		CCGX120404-NL	12.9	12.7	4.76	5.56	0.4		
		CCGX120408-NL	12.9	12.7	4.76	5.56	0.8		
		DCGX070202-NL	7.8	6.35	2.38	2.8	0.2	OK434	**NL** Adecuado materiales de aluminio y aleaciones
		DCGX070204-NL	7.8	6.35	2.38	2.8	0.4		
		DCGX11T304-NL	11.6	9.525	3.97	4.4	0.4		
		DCGX11T308-NL	11.6	9.525	3.97	4.4	0.8		
ACABADO		SCGX09T302-NL	9.525	9.525	3.97	4.4	0.2	OK434	**NL** Adecuado materiales de aluminio y aleaciones
		SCGX09T304-NL	9.525	9.525	3.97	4.4	0.4		
		SCGX09T308-NL	9.525	9.525	3.97	4.4	0.8		
		SCGX120404-NL	12.7	12.7	4.76	5.56	0.4		
		SCGX120408-NL	12.7	12.7	4.76	5.56	0.8		
		TCGX090202-NL	9.6	5.56	2.38	2.5	0.2	OK434	**NL** Adecuado materiales de aluminio y aleaciones
		TCGX090204-NL	9.6	5.56	2.38	2.5	0.4		
		TCGX110202-NL	11	6.35	2.38	2.8	0.2		
		TCGX110204-NL	11	6.35	2.38	2.8	0.4		
		TCGX110208-NL	11	6.35	2.38	2.8	0.8		
		TCGX16T304-NL	16.5	9.525	3.97	4.4	0.4		
		TCGX16T308-NL	16.5	9.525	3.97	4.4	0.8		
ACABADO		VCGX110202-NL	11	6.35	2.38	2.8	0.2	OK434	**NL** Adecuado materiales de aluminio y aleaciones
		VCGX110204-NL	11	6.35	2.38	2.8	0.4		
		VCGX110302-NL	11	6.35	3.18	2.8	0.2		
		VCGX110304-NL	11	6.35	3.18	2.8	0.4		
		VCGX110308-NL	11	6.35	3.18	2.8	0.8		
		VCGX160402-NL	16.6	9.525	4.76	4.4	0.2		
		VCGX160404-NL	16.6	9.525	4.76	4.4	0.4		
		VCGX160408-NL	16.6	9.525	4.76	4.4	0.8		
		VCGX160412-NL	16.6	9.525	4.76	4.4	1.2		
		VCGX220530-NL	22	12.7	5.56	5.5	3		
		RCGX0803MO-NL	8.0	8.0	3.18	3.36		OK434	**NL** Adecuado materiales de aluminio y aleaciones

INSERTOS DE ROSCADO

OP1201 La Calidad OP1201 adecuada para el roscado es la calidad resistente sustrato de grano ultra fino y recubrimiento PVD resistente al Desgaste.

Insertos de Roscado - Rosca General 60º - Perfil Parcial

Rosca Exterior		
Referencia	**Paso mm**	**Paso TPI**
-	-	-
-	-	-
R/L T1601G-A60M	0.5-1.5	48-16
R/L T1601G-AG60M	1.0-3.0	26-8
R/L T1601G-G60M	1.75-3.0	14-8
R/L T2201G-N60M	3.5-5.0	7-5
R/L T2701G-Q60M	5.5-6.0	4.5-4

Rosca Interior		
Referencia	**Paso mm**	**Paso TPI**
R/L T1101L-A60M	0.5-1.5	48-16
R/L T1101L-AG60M	1.0-2.5	26-9
R/L T1601L-A60M	0.5-1.5	48-16
R/L T1101L-AG60M	1.0-3.0	26-8
R/L T1601L-G60M	1.75-3.0	14-8
R/L T2201L-N60M	3.5-5.0	7-5
R/L T2701L-Q60M	5.5-6.0	4.5-4

Insertos de Roscado - Rosca General 55º - Perfil Parcial

Rosca Exterior		
Referencia	**Paso mm**	**Paso TPI**
-	-	-
-	-	-
R/LT1601G-A60M	0.5-1.5	48-16
R/LT1601G-AG60M	1.0-3.0	26-8
R/LT1601G-G60M	1.75-3.0	14-8
R/LT2201G-N60M	3.5-5.0	7-5
R/LT2701G-Q60M	5.5-6.0	4.5-4

Rosca Interior		
Referencia	**Paso mm**	**Paso TPI**
R/LT1101L-A60M	0.5-1.5	48-16
R/LT1101L-AG60M	1.0-2.5	26-9
R/LT1601L-A60M	0.5-1.5	48-16
R/LT1101L-AG60M	1.0-3.0	26-8
R/LT1601L-G60M	1.75-3.0	14-8
R/LT2201L-N60M	3.5-5.0	7-5
R/LT2701L-Q60M	5.5-6.0	4.5-4
R/LT1101L-A60M	0.5-1.5	48-16
R/LT1101L-AG60M	1.0-2.5	26-9

Insertos de Roscado - Rosca General 60º - Perfil Completo

Rosca Exterior		
Referencia	**Paso mm**	**Paso TPI**
R/L T1101G-050ISOM	0.50	0.31
R/L T1101G-075ISOM	0.75	0.46
R/L T1101G-080ISOM	0.80	0.49
R/L T1101G-100ISOM	1.00	0.61
R/L T1101G-125ISOM	1.25	0.77
R/L T1101G-150ISOM	1.50	0.92
R/L T1101G-175ISOM	1.75	1.07
R/L T1101G-200ISOM	2.00	1.23
R/L T1601G-050ISOM	0.50	0.31
R/L T1601G-075ISOM	0.75	0.46
R/L T1601G-080ISOM	0.80	0.49
R/L T1601G-100ISOM	1.00	0.61
R/L T1601G-125ISOM	1.25	0.77
R/L T1601G-150ISOM	1.50	0.92
R/L T1601G-175ISOM	1.75	1.07
R/L T1601G-200ISOM	2.00	1.23
R/L T1601G-250ISOM	2.50	1.53
R/L T1601G-300ISOM	3.00	1.84
R/L T1601G-350ISOM	3.50	2.15
R/L T2201G-400ISOM	4.00	2.45
R/L T2201G-450ISOM	4.50	2.76
R/L T2201G-500ISOM	5.00	3.07

Rosca Interior		
Referencia	**Paso mm**	**Paso TPI**
R/L T1101L-050ISOM	0.50	0.29
R/L T1101L-075ISOM	0.75	0.43
R/L T1101L-080ISOM	0.80	0.46
R/L T1101L-100ISOM	1.00	0.58
R/L T1101L-125ISOM	1.25	0.72
R/L T1101L-150ISOM	1.50	0.87
R/L T1101L-175ISOM	1.75	1.01
R/L T1101L-200ISOM	2.00	1.15
R/L T1601L-050ISOM	0.50	0.29
R/L T1601L-075ISOM	0.75	0.43
R/L T1601L-080ISOM	0.80	0.46
R/L T1601L-100ISOM	1.00	0.58
R/L T1601L-125ISOM	1.25	0.72
R/L T1601L-150ISOM	1.50	0.87
R/L T1601L-175ISOM	1.75	1.01
R/L T1601L-200ISOM	2.00	1.15
R/L T1601L-250ISOM	2.50	1.44
R/L T1601L-300ISOM	3.00	1.73
R/L T1601L-350ISOM	3.50	2.02
R/L T2201L-400ISOM	4.00	2.31
R/L T2201L-450ISOM	4.50	2.60
R/L T2201L-500ISOM	5.00	2.89

Insertos de Roscado - Rosca Whitworth 55º - Perfil Completo

Rosca Exterior		
Referencia	**Paso mm**	**Paso TPI**
R/LT1101G-28WM	28	0.58
R/LT1101G-24WM	24	0.68
R/LT1101G-20WM	20	0.81
R/LT1101G-19WM	19	0.90
R/LT1101G-16WM	16	1.02
R/LT1101G-14WM	14	1.16
R/LT1101G-11WM	11	1.48
R/LT1601G-48WM	48	0.34
R/LT1601G-40WM	40	0.41
R/LT1601G-32WM	32	0.51
R/LT1601G-28WM	28	0.58
R/LT1601G-26WM	26	0.63
R/LT1601G-24WM	24	0.68
R/LT1601G-20WM	20	0.81
R/LT1601G-19WM	19	0.90
R/LT1601G-16WM	16	1.02
R/LT1601G-14WM	14	1.16
R/LT1601G-12WM	12	1.36
R/LT1601G-11WM	11	1.48
R/LT1601G-10WM	10	1.63
R/LT1601G-9WM	9	1.81
R/LT1601G-8WM	8	2.03
R/LT2201G-7WM	7	2.41
R/LT2201G-6WM	6	2.71
R/LT2201G5-WM	5	3.25

Rosca Interior		
Referencia	**Paso mm**	**Paso TPI**
R/LT1101L-28WM	28	0.58
R/LT1101L-24WM	24	0.68
R/LT1101L-20WM	20	0.81
R/LT1101L-19WM	19	0.90
R/LT1101L-16WM	16	1.02
R/LT1101L-14WM	14	1.16
R/LT1101L-11WM	11	1.48
R/LT1601L-48WM	48	0.34
R/LT1601L-40WM	40	0.41
R/LT1601L-32WM	32	0.51
R/LT1601L-28WM	28	0.58
R/LT1601L-26WM	26	0.63
R/LT1601L-24WM	24	0.68
R/LT1601L-20WM	20	0.81
R/LT1601L-19WM	19	0.90
R/LT1601L-16WM	16	1.02
R/LT1601L-14WM	14	1.16
R/LT1601L-12WM	12	1.36
R/LT1601L-11WM	11	1.48
R/LT1601L-10WM	10	1.63
R/LT1601L-9WM	9	1.81
R/LT1601L-8WM	8	2.03
R/LT2201L-7WM	7	2.41
R/LT2201L-6WM	6	2.71
R/LT2201L-5WM	5	3.25

Placas de Fresado

Imagen	Type	Dimensiones					Calidades				
		L	ΦI.C	S	Φd	bs	OP1215	OP2202	OP1205H	OC4025	OC4035
	SEET12T3-OPF	13.4	13.4	3.97	4.1	2.55	●	●	●	○	○
	SEET12T3-OPM	13.4	13.4	3.97	4.1	2.55	●	●	●	○	○
	SEET12T3-OPR	13.4	13.4	3.97	4.1	2.55	●	●	●	○	○
	SEET09T308PER-OPF	9.525	9.525	4.01	3.3	0.8	●	●	●	○	○
	SEET09T308PER-OPM	9.525	9.525	4.01	3.3	0.8	●	●	●	○	○
	SEET09T308PER-OPR	9.525	9.525	4.01	3.3	0.8	●	●	●	○	○

Placas de Fresado

Imagen	Type	Dimensiones					Calidades				
		L	ΦI.C	S	Φd	bs	OP1215	OP2202	OP1205H	OC4025	OC4035
	SPKN1203EDSKR	12.7	12.7	3.18	1	1.4	●	●	●	○	○
	SPKN1203EDSKL	12.7	12.7	3.18	1	1.4	●	●	●	○	○
	SPKN1504EDL	15.875	15.875	4.76	1	1.4	●	●	●	○	○
	SPKN1504EDR	15.875	15.875	4.76	1	1.4					
	SPKN1504EDS11PL	15.875	15.875	4.76	1	1.4					
	SPKN1504EDS11PR	15.875	15.875	4.76	1	1.4					
	SPKR1504EDL-YR	15.875	15.875	4.51	1	1.4	●	●	●	○	○
	SPKR1504EDR-YR	15.875	15.875	4.51	1	1.4	●	●	●	○	○

Placas de Fresado APKT – SPMT – MPHT – APMT

Imagen	Type	Dimensiones					Calidades				
		L	ΦI.C	S	Φd	bs	OP1215	OP2202	OP1205H	OC4025	OC4035
	APKT150412-OPM	16.33	12.7	4.76	5.4	1.2	●	●	●	○	○
							▲	▲	▲	○	○
	APKT150412-OPM	16.33	12.7	4.76	5.4	1.2	●	●	●	○	○
	APKT150412-HT-Z1	16.33	12.7	4.76	5.4	1.2	●	●	●	○	○
	SPMT120408-OPM	12.7	12.7	4.76	5.5	0.8	●	●	●	○	○
	SPMT060304	6.35	6.35	3.18	2.8	0.4	●	●	●	○	○
	SPMT120408	12.7	12.7	4.76	5.5	0.8	●	●	●	○	○
	SPMT120408-MM	12.7	12.7	4.76	5.5	0.8	●	●	●	○	○
	SPMT120408-HT-1	12.7	12.7	4.76	5.5	0.8	●	●	●	○	○
	MPHT060304-PM	6.35	6.35	3.18	2.8	0.4	●	●	●	○	○
	MPHT080305-PM	8.3	8.3	3.18	3.4	0.5	▲	▲	▲	○	○
	MPHT120408-PM	12.7	12.7	4.76	5.56	0.8	●	●	●	○	○
	MPHT120430-PM	12.7	12.7	4.76	5.56	3	▲	▲	▲	○	○
	APMT1135PDER-M	11.39	6.2	3.5	2.8	0.8	▲	▲	▲	○	○
	APMT160408PDER-M	17.12	9.2	4.76	4.4	0.8	▲	▲	▲	○	○
	APMT1604PDER-H	17.12	9.2	4.76	4.4	0.8	▲	▲	▲	○	○
	APMT1135PDER-H	11.39	6.2	3.5	2.8	0.8	▲	▲	▲	○	○
	APKT11T304-ZM	12.32	6.49	3.6	2.8	0.4	▲	▲	▲	○	○
	APKT11T308-ZM	12.32	6.49	3.6	2.8	0.8	▲	▲	▲	○	○
	APKT160408-ZM	17.56	9.5	5.76	4.4	0.8	▲	▲	▲	○	○

Placas de Fresado Redonda RC.. – RD.. – RP..

Imagen	Type	Dimensiones					Calidades				
		ΦI.C	S	Φd			OP1215	OP2202	OP1205H	OC4025	OC4035
	RCKT10T3MO-OPM	10	3.97	4.4			●	●	●	○	○
	RCKT1204MO-OPM	12	4.76	4.4			●	●	●	○	○
	RCKT1606MO-OPM	16	6.35	5.56			●	●	●	○	○
	RCKT1204MO-OPR	12	4.76	4.4			●	●	●	○	○
	RCKT1606MO-OPR	16	6.35	5.56			●	●	●	○	○
	RCKT2006MO-OPR	20	6.35	6.55			●	●	●	○	○
	RDKW0803MO-BG	8	3.18	3.4			●	●	●	○	○
	RDKW10T3MO-BG	10	3.97	4.4			●	●	●	○	○
	RDKW1204MO-BG	12	4.76	4.4			●	●	●	○	○
	RDKW1604MO-BG	16	4.76	5.2			●	●	●	○	○
	RDKW1605MO-BG	16	5.56	5.56			●	●	●	○	○
	RDKW1606MO-BG	16	6.35	5.56			●	●	●	○	○
	RDKW2006MO-BG	20	6.35	6.55			●	●	●	○	○
	RDKW0803MO-BG	8	3.18	3.4			●	●	●	○	○
	RDKW10T3MO-BG	10	3.97	4.4			●	●	●	○	○
	RDKW1204MO-BG	12	4.76	4.4			●	●	●	○	○
	RDKW1604MO-BG	16	4.76	5.2			●	●	●	○	○
	RDKT10T3MO-BG	10	3.97	4.4			●	●	●	○	○
	RDKT1204MO-BG	12	4.76	4.4			●	●	●	○	○
	RDKT1606MO-BG	16	6.35	5.56			●	●	●	○	○
	RDKX1204MO-BG	12	4.76	4.4			●	●	●	○	○
	RDKX1606MO-BG	16	6.35	5.56			●	●	●	○	○
	RDKX1204MO-BG	12	4.76	4.4			●	●	●	○	○
	RDKX1606MO-BG	16	6.35	5.56			●	●	●	○	○
	RPEW0802MO-BG	8	2.38	3.5			●	●	●	○	○
	RPEW1003MO-BG	10	3.18	4.6			●	●	●	○	○
	RPEW1204MO-BG	12	4.76	4.4			●	●	●	○	○
	RPEW0802MO-BG	8	2.38	3.5			●	●	●	○	○
	RPEW1003MO-BG	10	3.18	4.6			●	●	●	○	○
	RPEW1204MO-BG	12	4.76	4.4			●	●	●	○	○
	RPKT10T3MO-BG	10	3.97	4.4			●	●	●	○	○
	RPKT1204MO-BG	12	4.76	4.4			●	●	●	○	○
	RPKT1606MO-BG	16	6.35	5.56			●	●	●	○	○
		Dimensiones									
		ΦI.C	L	S	Φd						
	ROHX1203	12	8.5	3	4		●	●	●	○	○
	ROHX1604	16	11.3	4	5		●	●	●	○	○
	ROHX2005	20	14.1	5	5		●	●	●	○	○

Placas de Fresado WP.. – SD..

Imagen	Type	Dimensiones					Calidades				
		ΦI.C	r	S	Φd	α	OP1215	OP2202	OP1205H	OC4025	OC4035
	WPGT050315ZSR	7.94	1.5	3.5	4	11°	●	●	●	○	○
	WPGT060415ZSR	9.525	1.5	4.2	4.4	11°	●	●	●	○	○
	WPGT080615ZSR	12.85	1.5	6.35	5.5	11°	●	●	●	○	○
	WPGT090725ZSR	15	2.5	7	5.5	11°	●	●	●	○	○

Imagen	Type	Dimensiones						Calidades				
		ΦI.C	L	Φd	S	r	α	OP1215	OP2202	OP1205H	OC4025	OC4035
	SDMT09T312-OPM	9.525	9.525	4	3.97	1.2	15°	●	●	●	○	○
	SDMT120412-OPM	12.7	12.7	4.4	4.76	2	15°	●	●	●	○	○

Placas de Taladrado

Imagen	Type	Dimensions(mm)					Grade			
		L	I.W	S	Φd	r	OP1205	OP1205H	OP1215	OP2202
	SPGT050204	5	5	2.38	2.2	0.4	●	▲	▲	○
	SPGT060204	6	6	2.38	2.6	0.4	●	▲	▲	○
	SPGT07T308	7.94	7.94	3.97	2.8	0.8	●			
	SPGT090408	9.8	9.8	4.3	4.1	0.8	●	▲	▲	○
	SPGT110408	11.5	11.5	4.76	4.6	0.8	●	▲	▲	○
	SPGT140512	14.3	14.3	5.2	5.75	1.2	●			
	WCMX030208	3.8	5.56	2.38	2.8	0.8	●	▲	▲	○
	WCMX040208	4.3	6.35	2.38	3.1	0.8	●	▲	▲	○
	WCMX050308	5.4	7.94	3.18	3.2	0.8	●	▲	▲	○
	WCMX06T308	6.4	9.525	3.97	3.7	0.8	●	▲	▲	○
	WCMX080412	8.6	12.7	4.76	4.3	1.2	●	▲	▲	○

DATOS TÉCNICOS Insertos Negativos – Comparativa Rompevirutas

ISO	Proceso	OKE	TAEGUTEC	KENNAMETAL	HITACHI	ZCCCT	SANDVIK	TUNGALOY	KYOCERA	KORLOY	SUMITOMO	MITSUBISHI
P	Super Acabado	R/L-F		UF,FF	FE		QF,LC	01&TF,ZF	DP,GP,VF, XF,CF,XP, XP-T	HU	FA,FL	PK&FH,FY, F ,FS
	Acabado	OPF	FG,FA	LF, FN	BE, CE BH	DF	XF,PF,MF	TSF, AS NS, 27	HQ, CQ , CJ,PQ,VF,GP	HF	SU, LU,SX, SP,FP,FA, FL,SE,ST,C	C , SA SH , LP
	Acabado Medio	OPF			Y,V	SF	WL	17,TS,NS,CB, 11, 27, ZF	XQ, XS	HF	EX,SK,SJ,SX, UU,UJ	SY
	Semi Acabado	OPM KPM	ML,ET,MP MC,SM, MT	MN P MG	AB,AY,AR AH,CT	DM,PM	PM,QM, SM,XM	TM,DM,ZM,NM 33,38,37,TH, 32Y,32,37	CJ,GS,HK,PS, HS,PT,CS	HC,HM,H A	GU,UG,UX, GE,UA,UM,	MV,MP,MZ, MA,MH
	Desbaste Suave	OPR		RN,RP,MG	RE	DR	PR,HM,XMR		GT, HT		MU, MX, UX UZ	GH,RP
	Desbaste	OPR OPH	RT RH HT	MR, RMn RH,PR,MG	HX HE H	DR HDR	QR,MR,PR,HR 23	57, 65, TU 31, 33, F-K, THS	HX PX PH	HR HH	MP, HG,HP, MC,MU,MX, UZ	HZ, HX,HV, HZ,HXD,HA,H AS,HBS,HCS, HDS,HXD
M	Acabado	OMF MSF	FG, SF	K, FP	MP,SE	EF	MF	SS	GU,MQ	HA	SU	FS,SH,FJ,LM
	Semi Acabado	OMM MF	ML, MP EM,VF	P, MP	PV,DE,AH	EM	MM,K	SA, SM, S,SF	SU,HU, MU,MS,ST, TK	HS	EX, UP,MU, HM,GU	MS, ES,MA,MJ, MH, GM,MM,ES, 2G
	Desbaste	OMR	MT, RH	UP,RP		ER	MR	TH,SH		GS, HM	MP,MU,HP,HG	GH, HZ,RM
K	Acabado	OKM	FG	FN	VA,AH	PM	KF	Y,CF			UZ	MA
	Semi Acabado	OKM	MC, MT,MG	P,UN,UM,RP	Y,V	PM	KM	CF,CM,33	ZS,C,	HM	UX,GZ, UX,UJ	
	Desbaste	OPR	RH,RT	UN,MG			KR	CH	GC	HR,GH, GR	UZ,MU,MM	
S	Acabado	OSF	SF	FS, K		NF	SF, SGF		MQ		EF	FJ&
	Semi Acabado	OSM		NGP,UP,P		NM	NGP, 23,SM	SA,HMM	MS,MU,YK		SU&EG,EX, UP,FY,FX	MJ&MS
	Desbaste	OSM		MS			SR,SMR	SM	SU			GJ

DATOS TÉCNICOS Insertos Positivos – Comparativa Rompevirutas

ISO	Proceso	OKE	TAEGUTEC	KENNAMETAL	HITACHI	ZCCCT	SANDVIK	TUNGALOY	KYOCERA	KORLOY	SUMITOMO	MITSUBISHI
P	Acabado	OTF	FA, FG	11, UF, GF,LF,FP	JQ	SF, HF	UF, PF	01, PF, FS,JS	GP,CK,XP VF,CF,GQ,GF	HFP	FP, LU, FC,SU, SK,FK	FV,SV, FP,SQ,SMG
	Semi Acabado	OTM	MT,CMX	MF,MP	JE	HM	UM,WF,PM	PM,PS,PF,PSF , PSS,23,24	HQ,XQ,GK	HMP,C25	MU,SC	MV,MQ,AM,MP
	Desbaste	OTR		GM,MR			WM,PR, UR,KM		GP,DP		UJ,SU,RP	MW
M	Acabado	MSF,OT F	FA,FG	FW,MW,FP	MP	EF	MF	SS&	CF,CK,GQ, GF,DP	HFP	LU	SV,FV
	Semi Acabado	OTM	MT,CMX	MP		EM	MM	PM	HQ,GK	HMP,C25		FM,MV, LM,
K	Semi Acabado	OTM	MT,CMX			HR,HM	KM,KR,KF	CM		HMP,C25		
S	Acabado	OSM		LF,HP					MQ		SC	FJ
	Semi Acabado											
N	General		FL	HP		LH	AL	PP,AL	A3, AH	TA, AK	AG,AW,FY	AZ

DATOS TÉCNICOS Insertos Torneado CVD – Comparativa Calidades

Grade	OKE	TAEGUTEC	KENNAMETAL	HITACHI	ZCCCT	SANDVIK	TUNGALOY	KYOCERA	KORLOY	SUMITOMO	MITSUBISHI
P10	OC2015 OC2115	TT8115	KCP10 KCP25 KC9110	HG8010 HG8020 GM8015 GM10	YBC151 YBC152	GC4015 GC4215	T9005 T9105 T9115	CA5505 CA5515	NC3010 NC3015	AC810P AC820P	UE6105 UE6110 MY5015
P20	OC2025 OC2125	TT5100 TT8125	KCP25 KC9125 KC9225	HG8025 GM8020 GM25	YBC251 YBC252	GC4015 GC4025 GC4225 GC2015	T9115 T9015 T9025 T9125	CA5515 CA5525 CA5025 CR9025	NC3020 NC3120	AC820P	UE6110 MC6025 UE6020 MY5015
P30	OC2125 OC2035	TT8125 T5100	KCP30 KCP40 KC8050	GM8035 GM25	YBC252 YBC351	GC4025 GC4225 GC4035 GC2025 GC4235	T9025 T9035 T9135 T9125	CA5525 CA5535 CR9025	NC3030	AC630M AC830P	MC6025 UE6020 UE6035 UH6400 US735
P40	OC2035	TT8135 TT7100	KC9140 KC9040 KC9240 KX9245 TN7035 TPC35	GM8035 GX30	YBC351 YBC352	GC4035 GC235 GC4235	T9035 T9135	CA5535	NC500H	AC630M AC830P	UE6035 UH6400 US735
M10	OC4015	TT9215	KCM15	GM10	YBM151 YBM153	GC2015	T9115 T9015	CA6515 CA6015		AC610M	US7020 MC7015
M20	OC4025 OC4225	TT9225	KCM15 KC9225	GM25 GM8020	YBM251 YBM253	GC2015	T6020 T6130 T9025 T9125	CA6515 CA6525	NC9020 NC9025	AC610M AC630M	US7020 MC7015 MC7025
M30	OC4035	TT9235	KCM25 KC9230 KC8050 TN8025	HG8035 HG8025 GX30	YBM351	GC2135 GC2025	T6030	CA6525	NC3030 NC5530	AC630M AC830P	MC7025 US735
M40		TT5100	KCM35 KC9240 KC9245	GX30	YB235	GC2025			NC3030	AC630M	US735
K10	OC3110 OC3115 OC3115D	TT1300	KCK15 KCK20 KC9315	HX3515 HG3315 HG8010 GM8015	YBD102 YBD152 YBD152C	GC3205 GC3210 GC3215	T5010 T1115 T5115	CA4515 CA4010 CA4115	N305K NC6010 NC6110	AC415K	MY5015 UC5115
K20	OC3115	TT7105 TT7310 TT1500	KCK20 KC9110 KC9320	HG8025 GM8020	YBD152	GC3215	T5115 T5125 T5020	CA4515 CA4115 CA120	N315K NC5330 PC5300 NC6010	AC420K AC700G	MY5015 UE6110 UC5115
K30	OC3125		KC9125 KC9325		YBD252		T5125 T9125			AC820P	UE6110
K40											

DATOS TÉCNICOS Insertos Fresado CVD – Comparativa Calidades

Grade	OKE	TAEGUTEC	KENNAMETAL	HITACHI	ZCCCT	SANDVIK	TUNGALOY	KYOCERA	KORLOY	SUMITOMO	MITSUBISHI
P10		TT7080								ACP100	
P20				GX2030 GX2140	YBC201	GC4220	T3130		NCM325 PC3500	ACP100	F7030 FH7020
P30	OC4025 OC4225		KC930M	GX2030 GX2140 GX2160	YBC301 YBC302 YBM251 YBM253	GC4230	T3130		NCM325 NCM335 PC5300 NC5330		F7030
P40	OC4035 OC1015	TT7800	KC935M	GX2030 GX30 GF30 GX2160	YBM351 YBC401	GC4240			NCM335		
M10											
M20	OC4025 OC4225		KC925M		YBM251 YBM253		T3130		NCM325 PC5300 NC5330	ACP100	F7030
M30	OC4035		KC930M	GX2160 GF30 GX30	YBM351	GC2040	T3130		NCM325 NCM335 PC5300		F7030
M40			KC930M KC935M	GX2160 GF30 GX30					NCM335		
K10	OC3115 OC3115D	TT6800			YBD151 YBD152		T1115 T1015		NCM310K	ACK200	MC5020 F5010
K20	OC3115		KC915M			GC3220 K20W	T1115 T1015		NCM320K		MC5020 F5020
K30	OC3125		KC920M KC925M KC930M KC935M	GX2030 GX30	YBD252	GC3040					
K40											

DATOS TÉCNICOS Insertos Torneado PVD – Comparativa Calidades

Grade	OKE	TAEGUTEC	KENNAMETAL	HITACHI	ZCCCT	SANDVIK	TUNGALOY	KYOCERA	KORLOY	SUMITOMO	MITSUBISHI
P10	OP1102	TT6080	KC5010 KC5510 KU10T		YBG102 YBG105	GC1025 GC1525	AH710	PR915 PR1005 PR930 PR1025 PR1115 PR1225			VP10MF
P20	OP1205 OP1205H		KC5025 KC5525 KC7215 KC7315 KU25T	IP2000	YBG202 YBG205	GC1020 GC1025 GC1525 GC1125	AH710 AH330 AH725 AH120 SH730 GH730 GH130	PR930 PR1025 PR1115 PR1225	PC230		VP10RT VP20RT VP15TF VP20MF
P30	OP2302 OP1215		KC7015 KC7020 KC7035 KU25T	IP3000	YBG202 YBG302	GC1025 GC4125 GC1125	AH710 AH725 AH120 SH730 GH730 GH130	PR930 PR1025 PR1115 PR1225	PC3535 PC3545	AC530U	VP10RT VP20RT VP15TF VP20MF
P40		TT8020	KC7030 KC7040 KC7140			GC1020 GC2145	AH740	PR630 PR660	PC240		VP15TF VP20MF
M10	OP1105	TT5030	KC5010 KC5510 KC6005 KC6015	IP050S	YBG102 YBG105	GC1005 GC1025 GC1105 GC1125	AH710	PR915 PR1025 PR1215 PR1225		AC510U	VP10MF
M20	OP1205 OP1215	TT9080	KC5025 KC730 KC5525 KC7020 KC7025	IP100S	YBG202	GC1020 GC1025 GC1125 GC4125	AH710 AH725 AH120 SH730 GH730 GH130 GH330 AH630	PR915 PR930 PR1025 PR1125 PR1215 PR1225	PC9030	AC520U	VP10RT VP20RT VP15TF VP20MF
M30	OP1215 OP2302		KC7030 KC7225		YBG202 YBG205 YBG302	GC1020 GC1125 GC2035	AH120 GH330 AH645 SH730 GH730	PR1125	PC9030	AC520U AC530U	VP10RT VP20RT VP15TF VP20MF
M40		TT8020				GC2035 GC2145				AC530U	MP7035
K10	OP1102		KC5010 KC7210		YYBG102 YBG105		AH710 GH110 AH110	PR905 PR1215	PC205K	AC510U	
K20	OP2202		KC7015 KC7020 KC7215 KC7315		YBG202	GC1020	AH110 AH710 AH725 AH120 GH110 GH730 GH130	PR905 PR1215	PC215K		VP10RT VP20RT VP15TF
K30			KC7225			GC4125	GH730 GH130 AH725 AH120				VP10RT VP20RT VP15TF
K40											

DATOS TÉCNICOS Insertos Fresado PVD – Comparativa Calidades

Grade	OKE	TAEGUTEC	KENNAMETAL	HITACHI	ZCCCT	SANDVIK	TUNGALOY	KYOCERA	KORLOY	SUMITOMO	MITSUBISHI
P10		TT7030 TT7080	KC715M	ATH80D CY9020 PCA12M TB6005 JX1020 PC20M		GC1010 GC1025		PR730 PR830 PR1025 PR1225	PC3525	ACP100 ACP200	
P20	OP1205 OP2202	TT9030 TT9080	KC522M KC525M	TB6020 CY150 JX1015 CY15	YBG202	GC1010 GC1025 GC2030	AH725 AH120 GH330 AH330	PR730 PR830 PR1025 PÑR1225 PR1230	PC230 PC3525 PC3535	ACP200	VP15TF
P30	OP1215 OP2302	TT9080	KC725M KC530M	JS4060 JS4045 TB6045 CY250 CY25 HC844 JX1045 PTH30E	YBG302	GC1030 GC1010 GC2030	AH730 GH130 AH725 AH130 GH330 AH330 AH120	PR660 PR1230	PC3535 PC130	ACZ300 ACZ350 ACZ200	VP15TF VP30RT
P40		TT8020 TT8080	KC735M	JS4060 JX1060 GF30 GX30 PTH30E TB6060	YBG402	GC1030	AH140 AH130 AH120 AH730	PR660 PR1230	PC230 PC3545	ACZ350 ACP300	VP30RT
M10			KC715M	CY9020 JX1020		GC1025 GC1030		PR630 PR730 PR830 PR1025 PR1225		ACP200	
M20	OP1215 OP1205H	TT8020 TT9030 TT9080	KC730 KC522M KC525M	TB6020 CY150 CY15 JX1015	YBG202 YBG205	GC1025 GC1030 GC1040 GC2030	AH330 GH110 AH120 GH330 AH725	PR630 PR730 PR830 PR660 PR1025 PR1225		ACZ310 AC520U ACP300	VP15TF VP20RT VP20MF
M30	OP2302	TT8020 TT8080 TT8030	KC725M KC735M	TB6045 CY250 HC844 JM4060 JX1045	YBG302	GC1040 GC2030	AH120 AH130 AH140 AH725 GH130 AH730 GH340	PR630 PR660 PR730 PR830	PC9530	ACZ330 AC520U ACZ350	VP15TF VP20RT VP30RT MP7035
M40		TT8020 TT8080		TB6060 PTH40H GF30 GX30 JX1060			AH140	PR660		ACZ350 ACP300	VP30RT
K10	OP1102		KC510M	JX1005 JX1020 ASC05E CY9020 TB6005 CY100H	YBG102 YBG105	GC1010	AH110 GH110 AH330	PR510 PR905 PR1210	PC205K PC215K	ACZ310 ACK200	
K20	OP2202	TT6030 TT6080	KC520 KC525M	TB6020 CY150 JX1015 PTH13S	YBG202 YBG152	GC1010 GC1020	AH725 AH120 GH110 AH330 AH120	PR905 PR1210	PC215K	ACZ310 ACK200	VP15TF VP20RT
K30	OP2302		KC725M KC735M	TB6045 GX2030 CY250 JX1045 PTH30E PTH40H	YBG205	GC1020	GH130			ACZ330 ACK300	VP15TF VP20RT
K40											

Datos Técnicos Vida de la Herramienta

Material	Dureza Aprox	Tabla de Corrección del coeficiente de fuerza y velocidad de corte Dureza Descendente – Diferencia Dureza – Dureza Ascendente								
		-60	-40	-20	0	20	40	60	80	100
P	HB180	1.42	1.24	1.11	1.00	0.91	0.84	0.77	0.72	0.67
M	HB180	1.44	1.25	1.11	1.00	0.91	0.84	0.78	0.73	0.68
K Cast Iron	HB220	1.21	1.13	1.06	1.00	0.95	0.9	0.86	0.82	0.79
K Nodular Cast Iron	HB250	1.33	1.21	1.09	1.00	0.91	0.84	0.75	0.7	0.65
N	HB75			1.05	1.00	0.95				
S	HB350			1.12	1.00	0.89				
HRC			-6	-3	0.00	3	6	9		
H	HRC60		1.10	1.02	1.00	0.96	0.93	0.9		
Proceso Velocidad Actual = Velocidad Recomendada x el factor de corrección										

DATOS TÉCNICOS – Coeficiente de correción desgaste

Vida Útil / Calidad Placa	Tabla de Corrección de la vida útil de la herramienta y velocidad corte					
	10	15	30	45	60	90
OC2015	1.12	1.00	0.82	0.73	0.67	0.6
OC2025	1.11	1.00	0.84	0.76	0.71	0.64
OC2035	1.11	1.00	0.84	0.76	0.7	0.63
OC2115	1.25	1.00	0.68	0.54	0.46	0.37
OC2125	1.55	1.00	0.47	0.3	0.22	0.14
OC4015	1.28	1.00	0.66	0.52	0.43	0.34
OC4215	1.32	1.00	0.64	0.48	0.37	0.31
OC4025	1.19	1.00	0.75	0.63	0.56	0.47
OC4225	1.22	1.00	0.73	0.61	0.54	0.45
OP1202	1.1	1.00	0.85	0.77	0.72	0.66
OP1205	1.15	1.00	0.82	0.74	0.69	0.64
OC3105	1.22	1.00	0.8	0.65	0.6	0.55
OC3110	1.2	1.00	0.75	0.62	0.58	0.5
OC3015	1.2	1.00	0.74	0.63	0.55	0.47
OC3115	1.11	1.00	0.7	0.6	0.5	0.4

Proceso Velocidad Actual = Condiciones Recomendadas x El factor de corrección de corrección