



## Milling Cutters



### Cartridges for VMD Max Drill

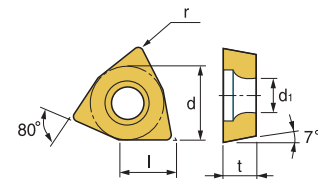


Specify Inner or Outer when ordering

Drilling Range (mm)	Inner Cartridge	Inner Code No.	Inner Price \$	Outer Cartridge	Outer Code No.	Outer Price \$	Screw	No. of Inserts	Insert			
45-50	VMC-045050N	156044	176.94	VMC-045050T	156090	176.94	TSB-22045	2	WCMT 1.81.51			
50-55	VMC-050055N	156046	221.51	VMC-050055T	156092	221.75						
55-60	VMC-055060N	156048	238.78	VMC-055060T	156094	240.15	TSB-25055	2	WCMT 21.52			
60-65	VMC-060065N	156050	240.18	VMC-060065T	156096	238.68	TSB-30070	2	WCMT 2.522			
65-70	VMC-065070N	156052	194.63	VMC-065070T	156098	194.63						
70-75	VMC-070075N	156054	194.63	VMC-070075T	156100	194.63						
75-80	VMC-075080N	156056	300.48	VMC-075080T	156102	302.44						
80-85	VMC-080085N	156058	212.32	VMC-080085T	156104	212.32	TSB-35090	2	WCMT 32.52			
85-90	VMC-085090N	156060	212.32	VMC-085090T	156106	212.32						
90-95	VMC-090095N	156062	300.48	VMC-090095T	156108	300.85						
95-100	VMC-095100N	156064	212.32	VMC-095100T	156110	212.32						
100-105	VMC-100105N	156066	439.83	VMC-100105T	156112	440.02				TSB-30070	3	WCMT 2.522
105-110	VMC-105110N	156068	265.36	VMC-105110T	156114	265.36				TSB-35090	3	WCMT 32.52
110-115	VMC-110115N	156070	265.36	VMC-110115T	156116	265.36						
115-120	VMC-115120N	156072	265.36	VMC-115120T	156118	265.36						
120-125	VMC-120125N	156074	265.36	VMC-120125T	156120	265.36						
125-130	VMC-125130N	156076	440.41	VMC-125130T	156122	265.36						
130-135	VMC-130135N	156078	265.36	VMC-130135T	156124	265.36						
135-140	VMC-135140N	156080	439.47	VMC-135140T	156126	439.83						
140-150	VMC-140150N	156082	283.10	VMC-140150T	156128	283.10	TSB-40110	3	WCMT 432			
150-160	VMC-150160N	156084	283.10	VMC-150160T	156130	283.10						
160-170	VMC-160170N	156086	439.83	VMC-160170T	156132	283.10						
170-180	VMC-170180N	156088	283.10	VMC-170180T	156134	283.10						

• Outer cartridge can be ground to achieve the size in the range of head

### WCMT-C20/C21 Drilling Inserts for VMD Max Drill



Designation	ISO	Coated Carbide										Uncoated Carbide		(inch)					Applicable Cutter	
		PM10C	PM25C	PM30C	PM30P	PM35P	KM20C	MM30P	MT30P	SM20P	PM20U	KTM10U	l	d	t	r	d1	Cutter	Page No.	
WCMT 1.81.52-C20	030208		146242 \$ 21.11								146537 \$ 16.44	0.149	7/32	3/32	1/32	0.110	MAX DRILL	E156-160		
WCMT 21.52-C20	040208		146237 \$ 21.16								147155 \$ 16.46	0.169	1/4	3/32	1/32	0.118				
WCMT 2.522-C20	050308		146236 \$ 22.56									0.212	5/16	5/16	1/32	0.134				
WCMT 32.52-C20	06T308		146235 \$ 22.56								146539 \$ 17.52	0.256	3/8	5/32	1/32	0.157				
WCMT432-C20	080408		146855 \$ 27.58									0.342	1/2	3/16	1/32	0.169				
WCMT 433-C20	080412		146000 \$ 27.58								146563 \$ 21.48	0.342	1/2	3/16	3/64	0.169				

#### Quick Choice Grade Selection

P Steel	M Stainless Steel	K Cast Iron - Alum	S Heat Resistant Alloy
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