



Niagara Cutter

**SMM830** - 2 Flutes 30° Helix HSS Single-End Mill  
for General Purpose  
Center-Cutting, Metric Flute, Imperial Shank

Designed for all Materials  
Profile / Slotting / Pocket  
Weldon Flat

Flute Diameter Tolerances : **+0.001"/-0.000"**  
Shank Diameter Tolerances : **-0.0001"/-0.0005"**  
Overall Length Tolerances : **+/-0.062"**  
Length of Cut Tolerances  
[1/16",5/16"] **+0.031"/-0.000"**  
[21/64",1"] **+0.031"/-0.000"**  
Helix Angle : **30°**

Flute Diam.	Shank Diam.	Length Of Cut	Overall Length	#F	Uncoat	Suggested		
						TiN	TiCN	TiAlN
3mm	3/8	3/8	2-5/16	2	83030	83031	89242	80163
3.5mm	3/8	7/16	2-5/16	2	83035	83036	89243	80164
4mm	3/8	7/16	2-5/16	2	83040	83041	89244	80165
4.5mm	3/8	7/16	2-5/16	2	83045	83046	89245	80166
5mm	3/8	7/16	2-5/16	2	83050	83051	89246	80167
5.5mm	3/8	1/2	2-5/16	2	83055	83056	89247	80168
6mm	3/8	1/2	2-5/16	2	83060	83061	89248	80169
6.5mm	3/8	1/2	2-5/16	2	83065	83066	89249	80170
7mm	3/8	9/16	2-5/16	2	83070	83071	89250	80171
7.5mm	3/8	9/16	2-5/16	2	83075	83076	89251	80172
8mm	3/8	9/16	2-5/16	2	83080	83081	89252	80173
8.5mm	3/8	9/16	2-5/16	2	83085	83086	89253	80174
9mm	3/8	9/16	2-5/16	2	83090	83091	89254	80175
9.5mm	3/8	9/16	2-5/16	2	83095	83096	89255	80176
10mm	3/8	13/16	2-1/2	2	83100	83101	89256	80177
10.5mm	3/8	13/16	2-1/2	2	83105	83106	89257	80178
11mm	3/8	13/16	2-1/2	2	83110	83111	89258	80179
11.5mm	3/8	13/16	2-1/2	2	83115	83116	89259	80180
12mm	3/8	13/16	2-1/2	2	83120	83121	89260	80181
12.5mm	1/2	1	3	2	83125	83126	89261	80182
13mm	1/2	1	3	2	83130	83131	89262	80183
13.5mm	1/2	1-1/8	3-1/8	2	83135	83136	89263	80184
14mm	1/2	1-1/8	3-1/8	2	83140	83141	89264	80185
14.5mm	1/2	1-1/8	3-1/8	2	83145	83146	89265	80186
15mm	1/2	1-1/8	3-1/8	2	83150	83151	89266	80187
16mm	5/8	1-5/16	3-7/16	2	83160	83161	89267	80188



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Flute Diam.	Shank Diam.	Overall Length	Length Of Cut	#F	Uncoat	Suggested		
						TiN	TiCN	TiAlN
17mm	5/8	1-5/16	3-7/16	2	83170	83171	89268	80189
18mm	3/4	1-5/16	3-9/16	2	83180	83181	89269	80190
19mm	3/4	1-5/16	3-9/16	2	83190	83191	89270	80191
20mm	3/4	1-1/2	3-3/4	2	83200	83201	89271	80192
21mm	7/8	1-1/2	3-3/4	2	83210	83211	89272	80193
22mm	7/8	1-1/2	3-3/4	2	83220	83221	89273	80194
23mm	7/8	1-5/8	3-7/8	2	83230	83231	89274	80195
24mm	1	1-5/8	4-1/8	2	83240	83241	89275	80196
25mm	1	1-5/8	4-1/8	2	83250	83251	89276	80197