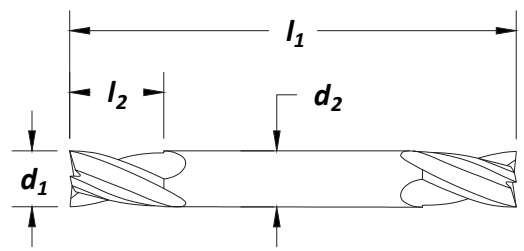




Surface Treatment



cutting diameter $d_1$	decimal equiv.	shank dia $d_2$ (in)	length of cut $l_2$ (in)	overall length $l_1$ (in)	no. of flutes	order number <b>HMD-4</b> Bright
1/16	.0625	.188	.094	2.000	4	C41085
1/16	.0625	.188	.188	2.250	4	C41099
1/16	.0625	.188	.219	2.500	4	C41113
3/32	.0938	.188	.141	2.000	4	C41087
3/32	.0938	.188	.281	2.250	4	C41101
3/32	.0938	.188	.281	2.625	4	C41115
1/8	.1250	.188	.188	2.000	4	C41090
1/8	.1250	.188	.375	2.250	4	C41104
1/8	.1250	.188	.750	3.125	4	C41118
5/32	.1562	.188	.234	2.000	4	C41091
5/32	.1562	.188	.438	2.250	4	C41105
5/32	.1562	.188	.875	3.250	4	C41119
3/16	.1875	.188	.281	2.000	4	C41093
3/16	.1875	.188	.500	2.250	4	C41107
3/16	.1875	.188	1.000	3.375	4	C75328

High Speed Steel

Center Cutting

Material Reference	Steel (HRC)				Stainless Steel			Cast Iron (HRC)		Aluminum and Non-Ferrous	Hi-Temp Alloy		Hardened Steel (HRC)
	Low Carbon		Alloy		Austenitic	Martensitic	PH	Gray	Nodular		Ni, Co, Fe Based Super Alloy	Titanium	
	Hardness	13-38	>38	16-38	> 38	300 Series	400 series		18-22	22-32			>45
Bright	☆		☆					☆	☆	☆			

☆ = Best Performance      ◆ = Acceptable