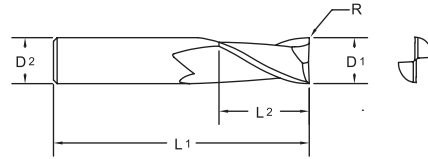




เอ็นมิลล์ - รุ่น 121

## TuffCut® GP ENDMILLS - STANDARD LENGTH SERIES 121



Designed for aggressive milling of most materials - Micro sizes available.

Order No.	EDP	Diameter		Shank	OAL	Flute Length	Corner Radius
		D1					
		mm	Decimal				
12100780	52102	0.2	.0078	3.0	38	0.6	
12101180	52104	0.3	.0118	3.0	38	0.9	
12101570	52107	0.4	.0157	3.0	38	1.2	
12101960	52108	0.5	.0196	3.0	38	1.5	
12102360	52110	0.6	.0236	3.0	38	1.8	
12102750	52112	0.7	.0275	3.0	38	2.1	
12103150	52115	0.8	.0315	3.0	38	2.4	
12103540	52117	0.9	.0354	3.0	38	2.7	
12103940	12118	1.0	.0394	3.0	38	3.0	
12104330	52121	1.1	.0433	3.0	38	3.3	
12104720	52124	1.2	.0472	3.0	38	3.6	
12105120	52126	1.3	.0512	3.0	38	3.9	
12105510	52128	1.4	.0551	3.0	38	4.2	
12105910	12129	1.5	.0591	3.0	38	6.0	
12105911	52129	1.5	.0591	3.0	38	4.5	
12106300	52133	1.6	.0630	3.0	38	4.8	
12106690	52135	1.7	.0669	3.0	38	5.1	
12107090	52137	1.8	.0709	3.0	38	5.4	
12107480	52138	1.9	.0748	3.0	38	5.7	
12107870	12141	2.0	.0787	3.0	38	9.0	
12107871	52141	2.0	.0787	3.0	38	6.0	
12109840	12148	2.5	.0984	3.0	38	12.0	
12111810	12152	3.0	.1181	3.0	38	12.0	
12111811	52402	3.0	.1181	3.0	38	12.0	0.500
12113780	12156	3.5	.1378	4.0	51	12.0	
12115750	12158	4.0	.1575	4.0	51	14.0	
12115751	52404	4.0	.1575	4.0	51	14.0	0.500
12115752	52422	4.0	.1575	4.0	51	14.0	0.750
12117720	12159	4.5	.1772	5.0	51	14.0	
12119680	12161	5.0	.1968	5.0	51	20.0	
12119681	52406	5.0	.1968	5.0	51	20.0	0.500
12119682	52424	5.0	.1968	5.0	51	20.0	0.750
12119683	52440	5.0	.1968	5.0	51	20.0	1.000
12121650	12162	5.5	.2165	6.0	64	20.0	
12123620	12164	6.0	.2362	6.0	64	20.0	
12123621	52408	6.0	.2362	6.0	64	20.0	0.500
12123622	52426	6.0	.2362	6.0	64	20.0	0.750
12123623	52442	6.0	.2362	6.0	64	20.0	1.000
12127560	12166	7.0	.2756	8.0	64	20.0	
12131500	12169	8.0	.3150	8.0	64	20.0	
12131501	52410	8.0	.3150	8.0	64	20.0	0.500
12131502	52428	8.0	.3150	8.0	64	20.0	0.750
12131503	52444	8.0	.3150	8.0	64	20.0	1.000

Order No.	EDP	Diameter		Shank	OAL	Flute Length	Corner Radius
		D1					
		mm	Decimal				
12131504	52456	8.0	.3150	8.0	64	20.0	1.500
12135430	12170	9.0	.3543	9.0	64	20.0	
12139370	12172	10.0	.3937	10.0	70	25.0	
12139371	52412	10.0	.3937	10.0	70	25.0	0.500
12139372	52430	10.0	.3937	10.0	70	25.0	0.750
12139373	52446	10.0	.3937	10.0	70	25.0	1.000
12139374	52458	10.0	.3937	10.0	70	25.0	1.500
12143310	12173	11.0	.4331	11.0	70	25.0	
12147240	12175	12.0	.4724	12.0	76	25.0	
12147241	52414	12.0	.4724	12.0	76	25.0	0.500
12147242	52432	12.0	.4724	12.0	76	25.0	0.750
12147243	52448	12.0	.4724	12.0	76	25.0	1.000
12147244	52460	12.0	.4724	12.0	76	25.0	1.500
12147245	52468	12.0	.4724	12.0	76	25.0	2.000
12155120	12177	14.0	.5512	14.0	89	30.0	
12162990	12180	16.0	.6299	16.0	89	30.0	
12162991	52416	16.0	.6299	16.0	89	30.0	0.500
12162992	52434	16.0	.6299	16.0	89	30.0	0.750
12162993	52450	16.0	.6299	16.0	89	30.0	1.000
12162994	52462	16.0	.6299	16.0	89	30.0	1.500
12162995	52470	16.0	.6299	16.0	89	30.0	2.000
12162996	52476	16.0	.6299	16.0	89	30.0	2.500
12162997	52482	16.0	.6299	16.0	89	30.0	3.000
12170870	12181	18.0	.7087	18.00	102	35.0	
12178740	12183	20.0	.7874	20.0	102	38.0	
12178741	52418	20.0	.7874	20.0	102	38.0	0.500
12178742	52436	20.0	.7874	20.0	102	38.0	0.750
12178743	52452	20.0	.7874	20.0	102	38.0	1.000
12178744	52464	20.0	.7874	20.0	102	38.0	1.500
12178745	52472	20.0	.7874	20.0	102	38.0	2.000
12178746	52478	20.0	.7874	20.0	102	38.0	2.500
12178747	52484	20.0	.7874	20.0	102	38.0	3.000
12186620	12184	22.0	.8662	22.0	102	40.0	
12198430	12186	25.0	.9843	25.0	102	40.0	
12198431	52420	25.0	.9843	25.0	102	40.0	0.500
12198432	52438	25.0	.9843	25.0	102	40.0	0.750
12198433	52454	25.0	.9843	25.0	102	40.0	1.000
12198434	52466	25.0	.9843	25.0	102	40.0	1.500
12198435	52474	25.0	.9843	25.0	102	40.0	2.000
12198436	52480	25.0	.9843	25.0	102	40.0	2.500
12198437	52486	25.0	.9843	25.0	102	40.0	3.000
12112600	12155	32.0	1.2600	32.0	111	40.0	

D1	Tolerance h10
0.20-0.50	+ .000/- .025
0.60-3.00	+ .000/- .040
>3.00-6.00	+ .000/- .048
>6.00-10.00	+ .000/- .058

D1	Tolerance h10
>10.00-18.00	+ .000/- .070
>18.00-30.00	+ .000/- .084
32.00	+ .000/- .100

R	Tolerance
3.0-25.0	+ .05/- .05