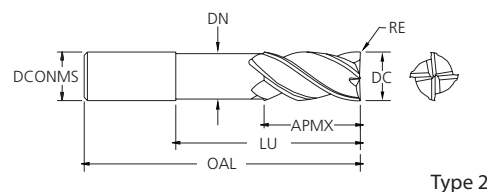
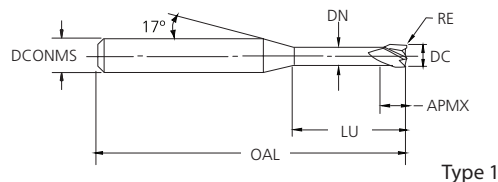


TuffCut DM® - Series 158



Corner Radius **Small - Medium = Semi Finishing and Finishing**
Large = High Feed Roughing


TuffCut® End Mills
Series 158

ALtima® Xtreme		DC		DCONMS	DN	OAL	APMX	LU	RE	Type
Tool No.	EDP	mm	Decimal	mm	mm	mm	mm	mm	mm	
158M02N06-0.1RA	99150	2.0	.0787	6	1.9	63	3	6	0.1	1
158M02N06-0.2RA	99155	2.0	.0787	6	1.9	63	3	6	0.2	1
158M02N08-0.1RA	99151	2.0	.0787	6	1.9	63	3	8	0.1	1
158M02N08-0.2RA	99156	2.0	.0787	6	1.9	63	3	8	0.2	1
158M02N08-0.5RA	99160	2.0	.0787	6	1.9	63	3	8	0.5	1
158M02N12-0.1RA	99152	2.0	.0787	6	1.9	63	3	12	0.1	1
158M02N12-0.2RA	99157	2.0	.0787	6	1.9	63	3	12	0.2	1
158M02N16-0.1RA	99153	2.0	.0787	6	1.9	63	3	16	0.1	1
158M02N16-0.2RA	99158	2.0	.0787	6	1.9	63	3	16	0.2	1
158M02N20-0.1RA	99154	2.0	.0787	6	1.9	75	3	20	0.1	1
158M02N20-0.2RA	99159	2.0	.0787	6	1.9	75	3	20	0.2	1
158M03N10-0.2RA	99161	3.0	.1181	6	2.9	63	5	10	0.2	1
158M03N10-0.5RA	99167	3.0	.1181	6	2.9	63	5	10	0.5	1
158M03N10-0.8RA	99173	3.0	.1181	6	2.9	63	5	10	0.8	1
158M03N12-0.2RA	99162	3.0	.1181	6	2.9	63	5	12	0.2	1
158M03N12-0.5RA	99168	3.0	.1181	6	2.9	63	5	12	0.5	1
158M03N16-0.2RA	99163	3.0	.1181	6	2.9	63	5	16	0.2	1
158M03N16-0.5RA	99169	3.0	.1181	6	2.9	63	5	16	0.5	1

DC	DC Tolerance inch	RE Tolerance inch	DCONMS Tolerance
2.0 - 16.0	+0 / - 0.0008	-0.0008 / +0.0008	h6

DC	DC Tolerance mm	RE Tolerance mm	DCONMS Tolerance
2.0 - 16.0	+0 / - 0.02	-0.02 / +0.02	h6

Inch	
DCONMS	Tolerance (h6)
.0000 - .1181	+0/- .00024
.1182 - .2362	+0/- .00031
.2363 - .3937	+0/- .00035
.3938 - .6299	+0/- .00043

Metric (mm)	
DCONMS	Tolerance (h6)
0 - 3.0	+0/- .006
3.01 - 6.0	+0/- .008
6.01 - 10.0	+0/- .009
10.01 - 16.0	+0/- .011



ALtima® Xtreme		DC		DCONMS	DN	OAL	APMX	LU	RE	Type
Tool No.	EDP	mm	Decimal	mm	mm	mm	mm	mm	mm	
158M03N20-0.2RA	99164	3.0	.1181	6	2.9	75	5	20	0.2	1
158M03N20-0.5RA	99170	3.0	.1181	6	2.9	75	5	20	0.5	1
158M03N25-0.2RA	99165	3.0	.1181	6	2.9	75	5	25	0.2	1
158M03N25-0.5RA	99171	3.0	.1181	6	2.9	75	5	25	0.5	1
158M03N30-0.2RA	99166	3.0	.1181	6	2.9	75	5	30	0.2	1
158M03N30-0.5RA	99172	3.0	.1181	6	2.9	75	5	30	0.5	1
158M04N10-0.2RA	99174	4.0	.1575	6	3.9	63	6	10	0.2	1
158M04N10-0.5RA	99180	4.0	.1575	6	3.9	63	6	10	0.5	1
158M04N12-0.2RA	99175	4.0	.1575	6	3.9	63	6	12	0.2	1
158M04N12-0.5RA	99181	4.0	.1575	6	3.9	63	6	12	0.5	1
158M04N12-1.0RA	99186	4.0	.1575	6	3.9	63	6	12	1.0	1
158M04N16-0.2RA	99176	4.0	.1575	6	3.9	63	6	16	0.2	1
158M04N16-0.5RA	99182	4.0	.1575	6	3.9	63	6	16	0.5	1
158M04N20-0.2RA	99177	4.0	.1575	6	3.9	75	6	20	0.2	1
158M04N20-0.5RA	99183	4.0	.1575	6	3.9	75	6	20	0.5	1
158M04N25-0.2RA	99178	4.0	.1575	6	3.9	75	6	25	0.2	1
158M04N25-0.5RA	99184	4.0	.1575	6	3.9	75	6	25	0.5	1
158M04N30-0.2RA	99179	4.0	.1575	6	3.9	75	6	30	0.2	1
158M04N30-0.5RA	99185	4.0	.1575	6	3.9	75	6	30	0.5	1
158M06N20-0.3RA	99187	6.0	.2362	6	5.8	75	9	20	0.3	2
158M06N20-0.5RA	99188	6.0	.2362	6	5.8	75	9	20	0.5	2
158M06N20-1.0RA	99189	6.0	.2362	6	5.8	75	9	20	1.0	2
158M06N20-1.5RA	99190	6.0	.2362	6	5.8	75	9	20	1.5	2
158M06N30-0.3RA	99191	6.0	.2362	6	5.8	100	9	30	0.3	2
158M06N30-0.5RA	99192	6.0	.2362	6	5.8	100	9	30	0.5	2
158M06N30-1.0RA	99193	6.0	.2362	6	5.8	100	9	30	1.0	2
158M06N30-1.5RA	99194	6.0	.2362	6	5.8	100	9	30	1.5	2
158M08N30-0.3RA	99195	8.0	.3150	8	7.6	75	12	30	0.3	2
158M08N30-0.5RA	99196	8.0	.3150	8	7.6	75	12	30	0.5	2
158M08N30-1.0RA	99197	8.0	.3150	8	7.6	75	12	30	1.0	2
158M08N30-2.0RA	99198	8.0	.3150	8	7.6	75	12	30	2.0	2
158M08N40-0.3RA	99199	8.0	.3150	8	7.6	100	12	40	0.3	2
158M08N40-0.5RA	99200	8.0	.3150	8	7.6	100	12	40	0.5	2
158M08N40-1.0RA	99201	8.0	.3150	8	7.6	100	12	40	1.0	2
158M08N40-2.0RA	99202	8.0	.3150	8	7.6	100	12	40	2.0	2
158M08N50-0.3RA	99203	8.0	.3150	8	7.6	120	12	50	0.3	2
158M08N50-0.5RA	99204	8.0	.3150	8	7.6	120	12	50	0.5	2
158M08N50-1.0RA	99205	8.0	.3150	8	7.6	120	12	50	1.0	2

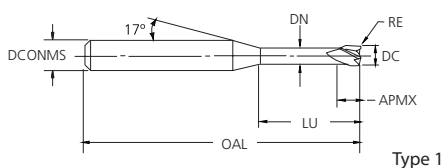
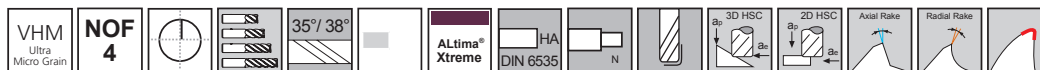


TuffCut® End Mills
Series 158

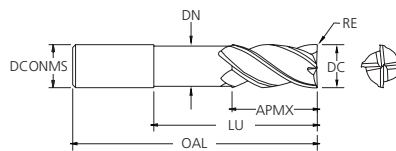


Page 182

TuffCut DM® - Series 158 *Continued*



Type 1



Type 2

ALtima® Xtreme		DC		DCONMS	DN	OAL	APMX	LU	RE	Type
Tool No.	EDP	mm	Decimal	mm	mm	mm	mm	mm	mm	
158M08N50-2.0RA	99206	8.0	.3150	8	7.6	120	12	50	2.0	2
158M10N30-0.3RA	99207	10.0	.3937	10	9.6	75	15	30	0.3	2
158M10N30-0.5RA	99208	10.0	.3937	10	9.6	75	15	30	0.5	2
158M10N30-1.0RA	99209	10.0	.3937	10	9.6	75	15	30	1.0	2
158M10N30-2.0RA	99210	10.0	.3937	10	9.6	75	15	30	2.0	2
158M10N50-0.3RA	99211	10.0	.3937	10	9.6	100	15	50	0.3	2
158M10N50-0.5RA	99212	10.0	.3937	10	9.6	100	15	50	0.5	2
158M10N50-1.0RA	99213	10.0	.3937	10	9.6	100	15	50	1.0	2
158M10N50-2.0RA	99214	10.0	.3937	10	9.6	100	15	50	2.0	2
158M10N60-0.3RA	99215	10.0	.3937	10	9.6	130	15	60	0.3	2
158M10N60-0.5RA	99216	10.0	.3937	10	9.6	130	15	60	0.5	2
158M10N60-1.0RA	99217	10.0	.3937	10	9.6	130	15	60	1.0	2
158M10N60-2.0RA	99218	10.0	.3937	10	9.6	130	15	60	2.0	2
158M12N40-0.3RA	99219	12.0	.4724	12	11.4	100	18	40	0.3	2
158M12N40-1.0RA	99220	12.0	.4724	12	11.4	100	18	40	1.0	2
158M12N40-2.0RA	99221	12.0	.4724	12	11.4	100	18	40	2.0	2
158M12N60-0.3RA	99222	12.0	.4724	12	11.4	140	18	60	0.3	2
158M12N60-1.0RA	99223	12.0	.4724	12	11.4	140	18	60	1.0	2
158M12N60-2.0RA	99224	12.0	.4724	12	11.4	140	18	60	2.0	2
158M16N50-0.3RA	99225	16.0	.6299	16	15.2	100	24	50	0.3	2
158M16N50-1.0RA	99226	16.0	.6299	16	15.2	100	24	50	1.0	2
158M16N50-3.0RA	99227	16.0	.6299	16	15.2	100	24	50	3.0	2
158M16N70-0.3RA	99228	16.0	.6299	16	15.2	150	24	70	0.3	2
158M16N70-1.0RA	99229	16.0	.6299	16	15.2	150	24	70	1.0	2
158M16N70-3.0RA	99230	16.0	.6299	16	15.2	150	24	70	3.0	2

