

3412 SERIES

5-FLUTE

FANTOM 2.0



**SPECIALLY
ENGINEERED
GASH DESIGN**

**ENGINEERED FLUTE
SPACING & RAKE**

For reducing harmonics
and increasing feed rates.

h6 TOLERANCE

For shrink fit & precision
holder applications.



- **DOMINATES**
in steels, stainless steels,
super alloys and titanium.
- **STABLE**
robust cutter that allows for
heavier chip loads.
- **ENHANCED**
edge strength increases
productivity and lowers
costs per part.
- **INCREASE TOOL LIFE**
by up to 30% with our 5-flute
high performance end mill.
- **AVAILABLE**
in Stub, Standard, Extra Long
and Long Reach lengths.
- **FC-20 COATING**
available.



SQUARE



CORNER RADIUS



BALL



CENTER CUTTING



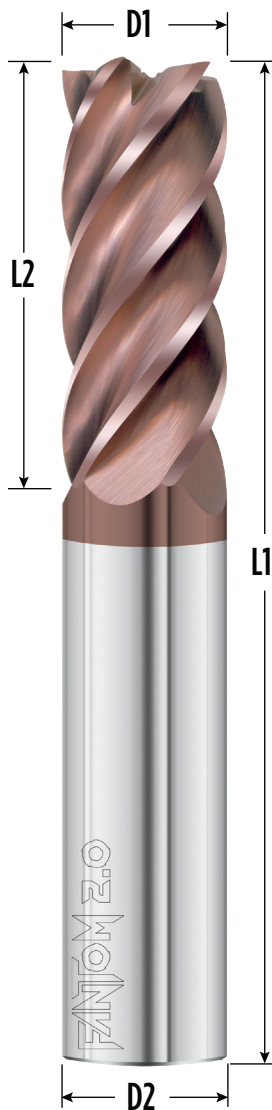
TOOL LENGTH



3412 SERIES

5-FLUTE

FANTOM 2.0



D1	L2	D2	L1	FLUTES	SQ	0.015 R	0.020 R	0.030 R	0.060 R	0.090 R	0.120 R	0.190 R	0.250 R
1/4	3/8	1/4	2	5	37540	-	37541	37542	37543	-	-	-	-
	3/4	1/4	2-1/2	5	37544	-	37545	37546	37547	-	-	-	-
	1-1/4	1/4	3	5	37548	-	-	-	-	-	-	-	-
5/16	7/8	5/16	2-1/2	5	37549	-	37550	37551	37552	-	-	-	-
	1	5/16	3	5	37553	-	37554	37555	37556	-	-	-	-
	2	5/16	4	5	37557	-	-	-	-	-	-	-	-
3/8	1/2	3/8	2-1/2	5	37576	-	37577	37578	37579	37580	37581	-	-
	1	3/8	2-1/2	5	37582	-	37583	37584	37585	37586	37587	-	-
	1-1/4	3/8	3	5	37588	-	-	-	-	-	-	-	-
7/16	2	3/8	4	5	37589	-	37590	-	-	-	-	-	-
	1	7/16	2-3/4	5	37605	-	37606	37607	37608	-	-	-	-
	2	7/16	4	5	37611	-	-	-	-	-	-	-	-
1/2	5/8	1/2	3	5	37628	-	-	37629	37630	37631	37632	-	-
	1	1/2	3	5	37633	37635	37636	37637	37638	37639	37640	-	-
	1-1/4	1/2	3	5	37641	37642	-	37643	37644	37645	37646	-	-
	1-5/8	1/2	4	5	37647	-	-	37101	37102	37103	37104	-	-
	2	1/2	4	5	37648	-	37649	37650	37651	37652	37653	-	-
5/8	3/4	5/8	3-1/2	5	37654	-	-	37655	37657	37658	37659	-	-
	1-1/2	5/8	3-1/2	5	37660	-	-	37661	37663	37664	37665	-	-
	1-5/8	5/8	4	5	37666	-	-	37667	37669	-	37671	-	-
	2-1/4	5/8	5	5	37672	-	-	-	-	-	-	-	-
	7/8	3/4	4	5	37689	-	-	37690	37692	37693	37694	-	-
3/4	1-1/2	3/4	4	5	37704	-	37705	37706	37708	37709	37710	37711	37712
	1-5/8	3/4	4	5	37713	-	-	37714 (.035)	37998	37999	37501	37502	37503
	2-1/4	3/4	5	5	37715	-	-	37716 (.035)	37504	37100	37997	-	-
	3-1/4	3/4	6	5	37717	-	-	-	-	-	-	-	-
	1-1/2	1	4	5	37739	-	-	37740	37742	-	-	-	37746
1	2	1	5	5	37747	-	-	-	-	-	-	-	-
	2-1/4	1	5	5	37748	-	-	37749	37751	37752	37753	37754	37755
	3-1/4	1	6	5	37756	-	-	-	-	-	-	-	-
	4-1/4	1	7	5	37757	-	-	-	-	-	-	-	-