Maximum RPM before current will drop off, based on dwell:

When the dwell time to reach a certain current level is known, we can work out how many RPM could be reached before the coil current will be reduced from our target due to lack of available charging time. We can do this for any number of cylinders the coil must fire. The table below is based on the earlier dwell figures.

RPM effects on coil current (from measured dwell characteristics)

Bosch part number	Max rpm at 7A/14V before current falls away (0.6ms allowed for burn time)				
	1 cyl (COP)	4 cyl	6 cyl	8 cyl	12 cyl
HEC 715 (716)	30000	7500	5000	3750	2500
MEC 717 (718)	38710	9677	6452	4839	3226
MEC 723	16086	4021	2681	2011	1341
MEC720	20478	5119	3413	2560	1707

The formula used, I suggest you put in an Excel spreadsheet -

(1000 / (Dwell time + min burn time)) x 120, divide this by number of cylinders supported by the coil.

Dwell time = time to reach your target current in ms
Min burn time = min time left for the spark to occur, 0.6 ms is suggested