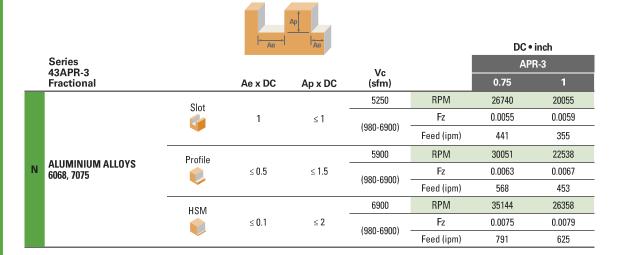
FRACTIONAL

S-Carb APR®



			Ap x DC	Vc (sfm)		DC • inch				
	Series 43APR-3L Fractional				Ae x DC		APR-3 LONG			
							0.5	0.625	0.75	1
N	ALUMINIUM ALLOYS 6068, 7075	Slot	1	≤1	3280	RPM	25059	20047	16706	12530
					(980-6900)	Fz	0.0039	0.0043	0.0047	0.0051
						Feed (ipm)	293	259	236	192
		Profile	≤ 0.5	≤ 1.5	3950	RPM	30178	24142	20119	15089
					(980-6900)	Fz	0.0047	0.0051	0.0055	0.0059
						Feed (ipm)	426	369	332	267
		HSM	≤ 0.1	≤ 2	4600	RPM	35144	28115	23429	17572
					(980-6900)	Fz	0.0055	0.0059	0.0063	0.0067
						Feed (ipm)	580	498	443	353

RPM stated may be outside of most machine tools in the smaller sizes, adjust the surface speed but maintain the Fz

For best results use the peak power of the specific machine torque chart.

Typically 10hp is required to remove 45 cubic inches of material (MRR).

Eg. >> (Ae x Ap x Feed) >> Therefore Full slotting 1" dia: 1 x 1 x 355 = 355 cubic inches, so it needs a min of 78hp.

Larger cuts and chip load consume more power.

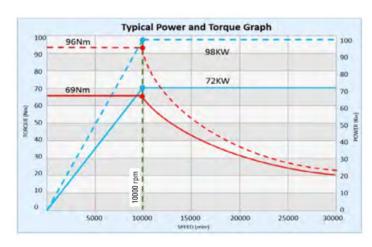
Review the power chart of each machine to determine MAX power for ultimate performance.

Example below shows peak power @ 10,000 rpm.

The new coolant supply is designed for MQL as well as normal emulsion coolant on the same data.

Ensure max MQL flow prior to cutting.

Refer to the SGS Tool Wizard® for complete technical information (www.kyocera-sgstool.com).



DC a local