

English Optimization Chart

jet speed (fpm)	coolant nozzle pressure (psi)			flowrate (GPM) for listed nozzle diameters (inch) and areas (inch ²)								area diam
	water	miner. oil	ester oil	.003	.012	.028	.049	.077	.11	.15	.196	
	SG=1.0	SG=0.87	SG=0.93	1/16	1/8	3/16	1/4	5/16	3/8	7/16	1/2	
4000	30	26	28	0.6	2.4	5.5	9.7	15	22	30	39	
6000	67	58	62	0.9	3.6	8.2	15	23	33	45	58	
8000	119	104	111	1.2	4.8	11	19	30	44	59	78	
10000	187	163	174	1.5	6.1	14	24	38	55	74	97	
12000	269	234	250	1.8	7.3	16	29	45	65	89	116	
14000	366	318	340	2.1	8.5	19	34	53	76	104	136	
16000	478	416	445	2.4	9.7	22	39	61	87	119	155	
18000	605	526	563	2.7	11	25	44	68	98	134	174	
20000	747	650	695	3.0	12	27	48	76	109	148	194	
25000	1166	1014	1084	3.8	15	34	61	95	136	185	242	
30000	1680	1462	1562	4.5	18	41	73	114	164	223	291	
35000	2286	1989	2126	5.3	21	48	85	132	191	260	339	
40000	2986	2598	2777	6.1	24	55	97	151	218	297	388	

English Flowrate Chart for a Nozzle with a Coefficient of Discharge of 0.95

Cool-Grind Technologies LLC