All units in millimeters	Idle was counted as one hole									Trim throttle slide spray bar bushing back by one millimeter to uncover one row of hole(s)				Difference of stock Ellison over stock Rotec				
Throttle Bore Area MMsq	Distance of Throttle from WOT	Holes open	Fuel Area	Air/Fuel Opening Ratio	% Throttle Open Sfc Area	Air Area	1 hole area	Throttle Bore Radius MM	% Change from previous	% change from stock	Holes open	Fuel Area	Air/Fuel Opening Ratio	% change from Rotec	Holes open	Fuel Area	Air/Fuel Opening Ratio	1 hole area
1809.56	0	85	10.68	0.59028%	100.0%	1809.56	0.1257	24	102.15%	104.71%	89	11.18	0.618056%	104.25%	90	11.13511	0.61535%	0.1237
1809.56	1	81	10.18	0.57783%	97.3%	1761.56	0.1257	24	102.33%	104.94%	85	10.68	0.606361%	102.10%	84	10.39277	0.58998%	0.1237
1809.56	2	77	9.68	0.56467%	94.7%	1713.59	0.1257	24	102.53%	105.19%	81	10.18	0.594004%	99.73%	78	9.65043	0.56317%	0.1237
1809.56	3	73	9.17	0.55074%	92.0%	1665.65	0.1257	24	102.76%	105.48%	77	9.68	0.580920%	97.11%	72	8.90809	0.53481%	0.1237
1809.56	4	69	8.67	0.53597%	89.4%	1617.78	0.1257	24	103.02%	105.80%	73	9.17	0.567039%	94.18%	66	8.16575	0.50475%	0.1237
1809.56	5	65	8.17	0.52027%	86.8%	1569.99	0.1257	24	101.65%	106.15%	69	8.67	0.552283%	95.43%	63	7.79458	0.49647%	0.1237
1809.56	6	62	7.79	0.51180%	84.1%	1522.31	0.1257	24	101.80%	104.84%	65	8.17	0.536563%	95.28%	60	7.42341	0.48764%	0.1237
1809.56	7	59	7.41	0.50274%	81.5%	1474.75	0.1257	24	101.97%	105.08%	62	7.79	0.528302%	95.12%	57	7.05224	0.47820%	0.1237
1809.56	8	56	7.04	0.49303%	78.9%	1427.34	0.1257	24	102.16%	105.36%	59	7.41	0.519438%	93.18%	53	6.55734	0.45941%	0.1237
1809.56	9	53	6.66	0.48259%	76.3%	1380.10	0.1257	24	102.39%	105.66%	56	7.04	0.509902%	94.74%	51	6.30990	0.45721%	0.1237
1809.56	10	50	6.28	0.47134%	73.7%	1333.05	0.1257	24	102.65%	106.00%	53	6.66	0.499618%	94.52%	48	5.93873	0.44550%	0.1237
1809.56	11	47	5.91	0.45919%	71.1%	1286.22	0.1257	24	102.95%	106.38%	50	6.28	0.488502%	96.36%	46	5.69128	0.44248%	0.1237
1809.56	12	44	5.53	0.44604%	68.5%	1239.61	0.1257	24	103.31%	106.82%	47	5.91	0.476454%	93.98%	42	5.19639	0.41919%	0.1237
1809.56	13	41	5.15	0.43177%	65.9%	1193.27	0.1257	24	103.73%	107.32%	44	5.53	0.463365%	96.05%	40	4.94894	0.41474%	0.1237
1809.56	14	38	4.78	0.41625%	63.4%	1147.21	0.1257	24	104.24%	107.89%	41	5.15	0.449108%	98.46%	38	4.70149	0.40982%	0.1237
1809.56	15	35	4.40	0.39931%	60.9%	1101.45	0.1257	24	104.86%	108.57%	38	4.78	0.433538%	101.27%	36	4.45404	0.40438%	0.1237
1809.56	16	32	4.02	0.38079%	58.4%	1056.03	0.1257	24	102.11%	109.38%	35	4.40	0.416489%	104.61%	34	4.20660	0.39834%	0.1237
1809.56	17	30	3.77	0.37291%	55.9%	1010.95	0.1257	24	102.41%	106.67%	32	4.02	0.397767%	105.02%	32	3.95915	0.39163%	0.1237
1809.56	18	28	3.52	0.36415%	53.4%	966.26	0.1257	24	102.76%	107.14%	30	3.77	0.390156%	105.49%	30	3.71170	0.38413%	0.1237
1809.56	19	26	3.27	0.35438%	50.9%	921.97	0.1257	24	103.18%	107.69%	28	3.52	0.381639%	106.03%	28	3.46426	0.37575%	0.1237
1809.56	20	24	3.02	0.34346%	48.5%	878.11	0.1257	24	103.70%	108.33%	26	3.27	0.372079%	106.66%	26	3.21681	0.36633%	0.1237
1809.56	21	22	2.76	0.33121%	46.1%	834.71	0.1257	24	104.34%	109.09%	24	3.02	0.361316%	107.41%	24	2.96936	0.35574%	0.1237
1809.56	22	20	2.51	0.31742%	43.8%	791.79	0.1257	24	102.88%	110.00%	22	2.76	0.349157%	113.22%	23	2.84564	0.35939%	0.1237
1809.56	23	18	2.31	0.30854%	41.4%	749.39	0.1257	24	102.19%	108.70%	20	2.51	0.335374%	112.37%	21	2.59819	0.34671%	0.1237
1809.56	24	17	2.14	0.30193%	39.1%	707.54	0.1257	24	100.05%	108.24%	18	2.31	0.326796%	110.04%	19	2.35075	0.33224%	0.1237
1809.56	25	16	2.01	0.30177%	36.8%	666.27	0.1257	24	100.16%	106.25%	17	2.14	0.320635%	110.76%	18	2.22702	0.33425%	0.1237
1809.56	26	15	1.88	0.30130%	34.6%	625.60	0.1257	24	100.29%	106.67%	16	2.01	0.321390%	111.58%	17	2.10330	0.33620%	0.1237
1809.56	27	14	1.76	0.30044%	32.4%	585.58	0.1257	24	100.46%	107.14%	15	1.88	0.321895%	105.49%	15	1.85585	0.31693%	0.1237
1809.56	28	13	1.63	0.29907%	30.2%	546.24	0.1257	24	100.67%	107.69%	14	1.76	0.322073%	106.03%	14	1.73213	0.31710%	0.1237
1809.56	29	12	1.51	0.29707%	28.1%	507.62	0.1257	24	100.95%	108.33%	13	1.63	0.321822%	106.66%	13	1.60841	0.31685%	0.1237
1809.56	30	11	1.38	0.29426%	26.0%	469.76	0.1257	24	101.32%	109.09%	12	1.51	0.321010%	107.41%	12	1.48468	0.31605%	0.1237
1809.56	31	10	1.26	0.29042%	23.9%	432.69	0.1257	24	101.81%	110.00%	11	1.38	0.319464%	108.30%	11	1.36096	0.31453%	0.1237
1809.56	32	9	1.13	0.28526%	21.9%	396.48	0.1257	24	102.48%	111.11%	10	1.26	0.316950%	109.40%	10	1.23723	0.31206%	0.1237
1809.56	33	8	1.01	0.27836%	20.0%	361.16	0.1257	24	103.41%	112.50%	9	1.13	0.313153%	110.76%	9	1.11351	0.30832%	0.1237
1809.56	34	7	0.88	0.26918%	18.1%	326.78	0.1257	24	104.75%	114.29%	8	1.01	0.307639%	112.52%	8	0.98979	0.30289%	0.1237
1809.56	35	6	0.75	0.25697%	16.2%	293.41	0.1257	24	88.99%	116.67%	7	0.88	0.299799%	114.87%	7	0.86606	0.29517%	0.1237
1809.56	36	6	0.75	0.28876%	14.4%	261.11	0.1257	24	105.67%	100.00%	6	0.75	0.288763%	114.87%	7	0.86606	0.33169%	0.1237
1809.56	37	5	0.63	0.27326%	12.7%	229.94	0.1257	24	86.97%	120.00%	6	0.75	0.327907%	118.15%	6	0.74234	0.32284%	0.1237
1809.56	38	5	0.63	0.31419%	11.1%	199.98	0.1257	24	107.08%	100.00%	5	0.63	0.314192%	98.46%	5	0.61862	0.30934%	0.1237
1809.56	39	4	0.50	0.29341%	9.5%	171.32	0.1257	24	84.08%	125.00%	5	0.63	0.366758%	98.46%	4	0.49489	0.28888%	0.1237
1809.56	40	4	0.50	0.34895%	8.0%	144.05	0.1257	24	109.49%	100.00%	4	0.50	0.348945%	98.46%	4	0.49489	0.34356%	0.1237
1809.56	41	3	0.38	0.31870%	6.5%	118.29	0.1257	24	79.62%	133.33%	4	0.50	0.424927%	98.46%	3	0.37117	0.31377%	0.1237
1809.56	42	3	0.38	0.40029%	5.2%	94.18	0.1257	24	114.48%	100.00%	3	0.38	0.400290%	65.64%	2	0.24745	0.26274%	0.1237
1809.56	43	2	0.25	0.34966%	4.0%	71.88	0.1257	24	71.79%	150.00%	3	0.38	0.524489%	98.46%	2	0.24745	0.34426%	0.1237
1809.56	44	2	0.25	0.48709%	2.9%	51.60	0.1257	24	130.32%	100.00%	2	0.25	0.487091%	98.46%	2	0.24745	0.47957%	0.1237
1809.56	45	1	0.13	0.37376%	1.9%	33.62	0.1257	24	54.61%	200.00%	2	0.25	0.747528%	98.46%	1	0.12372	0.36799%	0.1237
1809.56	46	1	0.13	0.68447%	1.0%	18.36	0.1257	24	35.47%	100.00%	1	0.13	0.684469%	98.46%	1	0.12372	0.67390%	0.1237
1809.56	47	1	0.13	1.92987%	0.4%	6.51	0.1257	24	85.41%	100.00%	1	0.13	1.929867%	98.46%	1	0.12372	1.90007%	0.1237
1809.56	47.1	1	0.13	2.25958%	0.3%	5.56	0.1257	24		100.00%	1	0.13	2.259576%	98.46%	1	0.12372	2.22469%	0.1237
Throttle Bore Area MMsq	Distance of Throttle from WOT	Holes open	Fuel Area	Air/Fuel Opening Ratio	% Throttle Open Sfc Area	Air Area	1 hole area	Throttle Bore Radius MM	% Change from previous	% change from stock	Holes open	Fuel Area	Air/Fuel Opening Ratio	% change from Rotec	Holes open	Fuel Area	Air/Fuel Opening Ratio	1 hole area