

Note: Stock SU Nozzles & ZTherapy Nozzles have 0.100" Dia., Stock '70-'71 Needle is N-27

All data in table is 1/10000 inch, so: "950" = 0.0950 inch

Station #3 for N-27 needle is 0.0020" inches **Smaller** in diameter from Idle (0.0940 inch dia). This "-20" reflects the reduction in needle diameter that allows more fuel to flow up Nozzle into the SU during higher RPM/Accelerating.

Needle Dimensions & Reduction from Idle Station #2										
Needle	Needle									
SU Position	Station	N-27	SK	SL	SR	SP	SM	SA	SB	
Startup	1	950	990	990	990	990	990	990	990	
Idling/Tuning	2	940	945	950	950	950	950	950	950	
Pickup	3	920, -20	930, -15	920, -30	920, -30	915, -35	915, -35	915, -35	910, -40	
	4	895, -45	900, -45	890, -60	890, -60	892, -58	885, -65	895, -55	875, -75	
	5	870, -70	867, -78	867, -83	860, -90	871, -79	855, -95	860, -90	840, -110	
Cruising	6	830, -110	833, -112	833, -117	830, -120	852, -98	825, -125	840, -110	800, -150	
Top Speed	7	800, -140	800, -145	800, -150	804, -146	834, -116	795, -155	815, -135	760, -190	
	8	765, -175	770, -175	770, -180	778, -172	810, -140	765, -185	790, -160	720, -230	
Top Speed	9	750, -190	740, -205	740, -210	750, -200	786, -164	735, -215	768, -182	695, -255	
	10	730, -210	714, -231	714, -236	743, -207	762, -188	710, -240	743, -207	670, -280	
	11	710, -230	695, -250	695, -255	737, -213	738, -212	690, -260	720, -230	640, -310	
	12	700, -240	676, -269	676, -274	730, -220	714, -236	670, -280	700, -250	620, -330	
	13	680, -260	650, -295	650, -300	720, -230	690, -260	650, -300	680, -270	590, -360	
	14	665, -275	630, -315	630, -320	715, -235	666, -284	630, -320	660, -290	570, -380	
		Within 0.0005" of N-27 Dia.		Identical Diameter to N-27						

	N-27	SK	SL	SR (vs N-27)
Pickup/Cruising: Sta. #3-#6 Range Reduction from Idling/Tuning	-245	-250	-290	-300
Sta. #3-#6 Actual Dia. Range Reduction from N-27		+15	-5	-15 (smaller Dia → richer)
Top Speed: Sta. #7-#9 Dia. Range Reduction from Idling/Tuning	-505	-525	-540	-518
Sta. #7-#9 Actual Dia Range Reduction from N-27		+20	-5	+17 (larger Dia. → leaner)
		↑	↑	↑
		Leanest	Nominal	Richer