

AeroTech SDL Motor Matrix

Rocket Motors Containing More Than 5.0 lbs Propellant Each

Updated 12/19/24 Rev. A

Designation	Part No.	Length, in.	Hardware	Total Impulse, N-sec	Average Thrust, N	Peak Thrust, N	Thrust Duration, Sec.	Propellant Weight, g	Total Weight, g	Time Delay, sec.	Propellant	USPS Mailable?	Notes
Category: 75mm Motors													
Subcategory: 75mm High Power Reloadable													
L1040DM-PS	12104P	26.81 (681mm)	RMS-75/5120	3769	992.0	1255.0	3.80	2602	4717	Plugged	Dark Matter	No	
L1170FJ-PS	12117P	26.81 (681mm)	RMS-75/5120	4232	1141.0	1489.0	3.70	2800	4990	Plugged	Black Max	No	
L1365M-PS	12136P	26.81 (681mm)	RMS-75/5120	4780	1365.0	1735.0	3.50	2648	4908	Plugged	Metalstorm	No	
L1420R-PS	12142P	26.81 (681mm)	RMS-75/5120	4603	1420.0	1814.0	3.20	2535	4562	Plugged	Redline	No	
L2200G-PS	12220P	26.81 (681mm)	RMS-75/5120	5104	2200.0	3101.7	2.30	2518	4783	Plugged	Mojave Green	No	
L900DM-PS	12900P	26.81 (681mm)	RMS-75/5120	3868	900.0	1054.5	4.40	2472	4724	Plugged	Dark Matter	No	
M1297W-PS	13129P	26.81 (681mm)	RMS-75/5120	5416.6	1297.0	2049.0	4.20	2681	4637	Plugged	White Lightning	No	
M1500G-PS	13150P	26.81 (681mm)	RMS-75/5120	5220	1508.7	1716.5	3.50	2631	4896	Plugged	Mojave Green	No	
M1780NT-PS	13178P	26.81 (681mm)	RMS-75/5120	5783	1859.0	3056.0	3.10	2560	4715	Plugged	Blue Thunder	No	
M2225WS-PS	13222P	26.81 (681mm)	RMS-75/5120	5228	2225.0	2520.0	2.35	2331	4685	Plugged	Super White	No	Requires 75FSDSS
L1250DM-PS	12125P	31.53 (801mm)	RMS-75/6400	4396	1264.0	1967.0	3.50	2955	5647	Plugged	Dark Matter	No	
M650W-PS	13650P	31.53 (801mm)	RMS-75/6400	5964	656.0	1475.0	9.10	3351	5125	Plugged	White Lightning	No	
M1315W-PS	13131P	31.53 (801mm)	RMS-75/6400	6713.5	1315.0	2362.5	5.40	3351	5645	Plugged	White Lightning	No	
M1550R-PS	13155P	31.53 (801mm)	RMS-75/6400	5600	1550.0	2180.0	3.00	3156	5645	Plugged	Redline	No	
M1850W-PS	13185P	36.33 (923mm)	RMS-75/7680	7658.6	1909.6	4489.4	4.00	3979	6032	Plugged	White Lightning	No	
M685W-PS	13685P	36.33 (923mm)	RMS-75/7680	7561	657.0	1517.0	11.50	4176	7008	Plugged	White Lightning	No	
N2700W-PS	13270P	46.95 (1193mm)	RMS-75/10240	10322	2693.0	4625.0	3.80	5275	9058	Plugged	White Lightning	No	Requires 75FSDSS
Subcategory: 75mm DMS High Power Single Use													
L875DM-PS	12875P	25.12 (638mm)	N/A	3800	875.0	1035.0	4.30	2472	4577	Plugged	Dark Matter	No	
M1350W-PS	13135P	25.12 (638mm)	N/A	5293	1350.0	1779.0	3.90	2690	4808	Plugged	White Lightning	No	
Category: 98mm Motors													
Subcategory: 98mm High Power Reloadable													
L400W-PS	12400P	17.48 (444mm)	RMS-98/5120	4641.6	379.2	770.2	12.20	2650	5170	Plugged	White Lightning	No	
L952W-PS	12952P	17.48 (444mm)	RMS-98/5120	4656	952.0	1021.5	6.20	2650	5012	Plugged	White Lightning	No	
L1300R-PS	12130P	17.48 (444mm)	RMS-98/5120	4567	1300.0	1552.4	3.50	2508	4884	Plugged	Redline	No	
L1500T-PS	12150P	17.48 (444mm)	RMS-98/5120	5089.3	1500.0	1752	3.50	2351	4659	Plugged	Blue Thunder	No	
M1075DM-PS	13107P	23.50 (597mm)	RMS-98/7680	5571	1070.0	1330	5.20	3708	6971	Plugged	Dark Matter	No	
M1305M-PS	13130P	23.50 (597mm)	RMS-98/7680	6891	1406.0	2098.0	4.80	3975	7098	Plugged	Metalstorm	No	
M1419W-PS	13141P	23.50 (597mm)	RMS-98/7680	7755.5	1419.0	1590.0	7.10	4035	6916	Plugged	White Lightning	No	
M1600R-PS	13160P	23.50 (597mm)	RMS-98/7680	7084	1600.0	1917.0	4.00	3762	6917	Plugged	Redline	No	
M1845NT-PS	13184P	23.50 (597mm)	RMS-98/7680	8307	1875.0	3081.0	4.40	3717	6682	Plugged	Blue Thunder	No	
M2100G-PS	13210P	23.50 (597mm)	RMS-98/7680	7802	2100.0	2968.1	3.70	3948	6918	Plugged	Mojave Green	No	
M2400T-PS	13240P	23.50 (597mm)	RMS-98/7680	7716.5	2400.0	3401.6	3.20	3527	6451	Plugged	Blue Thunder	No	
M4500ST-PS	13450P	23.50 (597mm)	RMS-98/7680	7277	4500.0	5071.0	1.60	3240	6710	Plugged	Super Thunder	No	Requires 98FSDSS
M750W-PS	13750P	28.81 (732mm)	RMS-98/10240	9325	744.0	1454.0	12.70	5300	8776	Plugged	White Lightning	No	
M1800FJ-PS	13180P	28.81 (732mm)	RMS-98/10240	8207.7	1833.3	3956.0	4.50	5592	9162	Plugged	Black Max	No	
M1939W-PS	13193P	28.81 (732mm)	RMS-98/10240	10481.5	1939.0	2429.7	6.20	5300	8988	Plugged	White Lightning	No	
M2000R-PS	13200P	28.81 (732mm)	RMS-98/10240	9218	2000.0	2327.0	4.00	5016	8987	Plugged	Redline	No	
M2500T-PS	13250P	28.81 (732mm)	RMS-98/10240	9671	2500.0	3710.0	3.90	4531	8064	Plugged	Blue Thunder	No	
M6000ST-PS	13600P	28.81 (732mm)	RMS-98/10240	8247.1	6000.0	6789.0	1.38	3868	8029	Plugged	Super Thunder	No	Requires 98FSDSS
N2000W-PS	14200P	41.18 (1046mm)	RMS-98/15360	13347.1	2000.0	3140.8	6.90	7676	12283	Plugged	White Lightning	No	
N2220DM-PS	14222P	41.18 (1046mm)	RMS-98/15360	10657	2199.0	4472.0	5.40	7183	11997	Plugged	Dark Matter	No	
N1000W-PS	14100P	41.18 (1046mm)	RMS-98/15360	14126	1079.0	2262.0	13.10	7925	12771	Plugged	White Lightning	No	
N3300R-PS	14330P	41.18 (1046mm)	RMS-98/15360	14041	3168.0	4301.0	4.40	7338	12054	Plugged	Redline	No	
N4000W-PS	14400P	54.34 (1380mm)	RMS-98/20480	18540	4000.0	5320.0	4.60	9800	16252	Plugged	White Lightning	No	Requires 98FSDSS
Subcategory: 98mm DMS High Power Single Use													
M1340W-PS	13134P	21.90 (556mm)	N/A	7673	1340.0	1928.0	5.70	4036	6998	Plugged	White Lightning	No	
N1100W-PS	13110P	43.71 (1110mm)	N/A	14418	1100.0	2066.1	14.40	7295	12292	Plugged	White Lightning	No	
N1975W-PS	13197P	43.71 (1110mm)	N/A	13893	1975.0	2903.3	7.05	7676	12208	Plugged	White Lightning	No	
O5500X-PS	15528P	55.44 (1408mm)	N/A	21384	5500.0	7552.0	4.00	9779	16937	Plugged	Propellant X	No	
Subcategory: 152mm DMS High Power Single Use													
O6000W-P	15600P	44.11 (1120mm)	N/A	39620	5853.0	9564.0	6.77	22000	31520	Plugged	White Lightning	No	1.3C/UN0186