

AeroTech Master Motor Matrix

Updated 12/19/24

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: 18mm Motors													
Subcategory: 18mm Q-Jet Model Rocket													
A3-4FJ	Q6108	2.75 (70mm)	N/A	2.5	3.4	7.0	0.80	2.0	18	4	Black Max	Yes	
A3-6FJ	Q6109	2.75 (70mm)	N/A	2.5	3.4	7.0	0.80	2.0	18	6	Black Max	Yes	
B4-4FJ	Q6112	2.75 (70mm)	N/A	4.9	4.4	7.0	1.10	3.6	20	4	Black Max	Yes	
B4-6FJ	Q6113	2.75 (70mm)	N/A	4.9	4.4	7.0	1.10	3.6	20	6	Black Max	Yes	
B6-4W	Q6123	2.75 (70mm)	N/A	4.9	4.2	8.9	1.20	2.8	19	4	White Lightning	Yes	
B6-6W	Q6124	2.75 (70mm)	N/A	4.9	4.2	8.9	1.20	2.8	19	6	White Lightning	Yes	
B14-3T	Q6170	2.75 (70mm)	N/A	5.0	13.0	17.6	0.38	2.3	16.1	3	Blue Thunder	Yes	
B14-5T	Q6172	2.75 (70mm)	N/A	5.0	13.0	17.6	0.38	2.3	16.1	5	Blue Thunder	Yes	
B14-7T	Q6174	2.75 (70mm)	N/A	5.0	13.0	17.6	0.38	2.3	16.1	7	Blue Thunder	Yes	
C12-4FJ	Q6116	2.75 (70mm)	N/A	9.8	11.7	17.5	0.80	7.7	24	4	Black Max	Yes	
C12-6FJ	Q6117	2.75 (70mm)	N/A	9.8	11.7	17.5	0.80	7.7	24	6	Black Max	Yes	
C12-8FJ	Q6118	2.75 (70mm)	N/A	9.8	11.7	17.5	0.80	7.7	24	8	Black Max	Yes	
C18-4W	Q6125	2.75 (70mm)	N/A	9.8	19.1	23.6	0.52	5.6	20.9	4	White Lightning	Yes	
C18-6W	Q6126	2.75 (70mm)	N/A	9.8	19.1	23.6	0.52	5.6	20.9	6	White Lightning	Yes	
C18-8W	Q6127	2.75 (70mm)	N/A	9.8	19.1	23.6	0.52	5.6	20.9	8	White Lightning	Yes	
D16-4FJ	Q6120	2.75 (70mm)	N/A	12.4	15.7	22.3	0.80	9.9	26	4	Black Max	Yes	
D16-6FJ	Q6121	2.75 (70mm)	N/A	12.4	15.7	22.3	0.80	9.9	26	6	Black Max	Yes	
D16-8FJ	Q6122	2.75 (70mm)	N/A	12.4	15.7	22.3	0.80	9.9	26	8	Black Max	Yes	
D20-4W	Q6130	2.75 (70mm)	N/A	13.8	18.2	24.3	0.76	8.7	24.1	4	White Lightning	Yes	
D20-6W	Q6131	2.75 (70mm)	N/A	13.8	18.2	24.3	0.76	8.7	24.1	6	White Lightning	Yes	
D20-8W	Q6132	2.75 (70mm)	N/A	13.8	18.2	24.3	0.76	8.7	24.1	8	White Lightning	Yes	
Subcategory: 18mm RMS Reloadable													
C3.4T-P	33400	2.75 (70mm)	RMS-18/20	8.96	3.1	9.1	2.86	5.2	24	Plugged	Blue Thunder	Yes	Glider motor
D2.3T-P	42300	2.75 (70mm)	RMS-18/20	17.2	2.3	10.1	8.14	10.7	29	Plugged	Blue Thunder	Yes	Glider motor
D13-4W	41304	2.75 (70mm)	RMS-18/20	20	12.7	23.6	1.50	9.8	33	4	White Lightning	Yes	
D13-7W	41307	2.75 (70mm)	RMS-18/20	20	12.7	23.6	1.50	9.8	33	7	White Lightning	Yes	
D13-10W	41310	2.75 (70mm)	RMS-18/20	20	12.7	23.6	1.50	9.8	33	10	White Lightning	Yes	
D24-4T	42404	2.75 (70mm)	RMS-18/20	20	14.8	25.5	1.22	8.7	31	4	Blue Thunder	Yes	
D24-7T	42407	2.75 (70mm)	RMS-18/20	20	14.8	25.5	1.22	8.7	31	7	Blue Thunder	Yes	
D24-10T	42410	2.75 (70mm)	RMS-18/20	20	14.8	25.5	1.22	8.7	31	10	Blue Thunder	Yes	
Category: 24mm Motors													
Subcategory: 24mm Q-Jet Model Rocket													
D22-4W	Q6133	2.75 (70mm)	N/A	19.3	21.4	27.6	0.90	12	37.5	4	White Lightning	Yes	
D22-7W	Q6134	2.75 (70mm)	N/A	19.3	21.4	27.6	0.90	12	37.5	7	White Lightning	Yes	
D22-10W	Q6136	2.75 (70mm)	N/A	19.3	21.4	27.6	0.90	12	37.5	10	White Lightning	Yes	
E26-4W	Q6140	2.75 (70mm)	N/A	27.9	23.3	27.9	1.20	18.3	44	4	White Lightning	Yes	
E26-7W	Q6142	2.75 (70mm)	N/A	27.9	23.3	27.9	1.20	18.3	44	7	White Lightning	Yes	
E26-10W	Q6144	2.75 (70mm)	N/A	27.9	23.3	27.9	1.20	18.3	44	10	White Lightning	Yes	
E35-5W	Q6150	3.75 (95mm)	N/A	39.4	35.0	44.0	1.08	25.4	55.1	5	White Lightning	Yes	
E35-8W	Q6152	3.75 (95mm)	N/A	39.4	35.0	44.0	1.08	25.4	55.1	8	White Lightning	Yes	
E35-11W	Q6154	3.75 (95mm)	N/A	39.4	35.0	44.0	1.08	25.4	55.1	11	White Lightning	Yes	
F41-5W	Q6160	3.75 (95mm)	N/A	45.4	41.0	49.9	1.12	30	60.7	5	White Lightning	Yes	
F41-8W	Q6162	3.75 (95mm)	N/A	45.4	41.0	49.9	1.12	30	60.7	8	White Lightning	Yes	
F41-11W	Q6164	3.75 (95mm)	N/A	45.4	41.0	49.9	1.12	30	60.7	11	White Lightning	Yes	
Subcategory: 24mm Enerjet Standard Single Use													
E20-4W	52004	2.75 (70mm)	N/A	35	21.8	34.9	1.60	16	49	4	White Lightning	Yes	
E20-7W	52007	2.75 (70mm)	N/A	35	21.8	34.9	1.60	16	49	7	White Lightning	Yes	
E30-4T	53004	2.75 (70mm)	N/A	33.56	33.0	49.3	1.02	17.8	47	4	Blue Thunder	Yes	
E30-7T	53007	2.75 (70mm)	N/A	33.56	33.0	49.3	1.02	17.8	47	7	Blue Thunder	Yes	
F44-4W	64404	2.75 (70mm)	N/A	41.5	44.0	50.0	1.00	20	48	4	White Lightning	Yes	
F44-8W	64408	2.75 (70mm)	N/A	41.5	44.0	50.0	1.00	20	48	8	White Lightning	Yes	
F30-4FJ	63004	3.75 (95mm)	N/A	47	30.4	40.6	1.50	30	70.3	4	Black Max	Yes	
F30-6FJ	63006	3.75 (95mm)	N/A	47	30.4	40.6	1.50	30	70.3	6	Black Max	Yes	
F30-8FJ	63008	3.75 (95mm)	N/A	47	30.4	40.6	1.50	30	70.3	8	Black Max	Yes	

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F32-4T	63204	3.75 (95mm)	N/A	56.9	30.0	61.3	1.70	30	64	4	Blue Thunder	Yes	
F32-6T	63206	3.75 (95mm)	N/A	56.9	30.0	61.3	1.70	30	64	6	Blue Thunder	Yes	
F32-8T	63208	3.75 (95mm)	N/A	56.9	30.0	61.3	1.70	30	64	8	Blue Thunder	Yes	
Subcategory: 24mm RMS Reloadable													
D9-4W	40904	2.75 (70mm)	RMS-24/40	18.76	10.0	20.0	1.88	10.1	46.9	4	White Lightning	Yes	
D9-7W	40907	2.75 (70mm)	RMS-24/40	18.76	10.0	20.0	1.88	10.1	47.4	7	White Lightning	Yes	
D15-4T	41504	2.75 (70mm)	RMS-24/40	19	16.5	31.4	1.20	9	45.4	4	Blue Thunder	Yes	
D15-7T	41507	2.75 (70mm)	RMS-24/40	19	16.5	31.4	1.20	9	46.2	7	Blue Thunder	Yes	
E11-3J	51103	2.75 (70mm)	RMS-24/40	32.7	11.6	19.9	2.80	25	62	3	Black Jack	Yes	
E18-4W	51804	2.75 (70mm)	RMS-24/40	36.5	17.1	30.1	2.10	21	58.9	4	White Lightning	Yes	
E18-7W	51807	2.75 (70mm)	RMS-24/40	36.5	17.1	30.1	2.10	21	58.8	7	White Lightning	Yes	
E28-4T	52804	2.75 (70mm)	RMS-24/40	39.7	32.5	50.5	1.20	18	54.4	4	Blue Thunder	Yes	
E28-7T	52807	2.75 (70mm)	RMS-24/40	39.7	32.5	50.5	1.20	18	55.3	7	Blue Thunder	Yes	
F12-3J	61203	2.75 (70mm)	RMS-24/40	43.2	14.7	23.5	2.90	30	65.4	3	Black Jack	Yes	
F12-5J	61205	2.75 (70mm)	RMS-24/40	43.2	14.7	23.5	2.90	30	65.8	5	Black Jack	Yes	
F24-4W	62404	2.75 (70mm)	RMS-24/40	47.31	22.2	41.0	2.13	19	62.2	4	White Lightning	Yes	
F24-7W	62407	2.75 (70mm)	RMS-24/40	47.31	22.2	41.0	2.13	19	62.9	7	White Lightning	Yes	
F39-6T	63906	2.75 (70mm)	RMS-24/40	49.7	37.3	59.5	1.30	23	60	6	Blue Thunder	Yes	
F39-9T	63909	2.75 (70mm)	RMS-24/40	49.7	37.3	59.5	1.30	23	60.6	9	Blue Thunder	Yes	
F35-5W	63505	3.75 (95mm)	RMS-24/60	57.1	34.9	55.2	1.60	30	84	5	White Lightning	Yes	
F35-8W	63508	3.75 (95mm)	RMS-24/60	57.1	34.9	55.2	1.60	30	84.5	8	White Lightning	Yes	
F35-11W	63511	3.75 (95mm)	RMS-24/60	57.1	34.9	55.2	1.60	30	85	11	White Lightning	Yes	
F51-10NT	65110	3.75 (95mm)	RMS-24/60	55.1	55.9	76.5	1.00	27	83	10	New Blue Thunder	Yes	
F62-10FJ	66210	3.75 (95mm)	RMS-24/60	47.7	57.2	72.6	0.80	32	88	10	Fast Black Jack	Yes	
F63-10R	66310	3.75 (95mm)	RMS-24/60	49.5	58.1	71.1	0.90	28	82	10	Redline	Yes	
Subcategory: 24mm RMS-R/C Reloadable													
D7-RCT	40700	2.75 (70mm)	RMS-R/C 24/40	19.8	6.5	11.0	2.87	10.5	42.2	Plugged	Blue Thunder	Yes	Glider motor
E7-RCT	50700	2.75 (70mm)	RMS-R/C 24/40	30	5.4	11.6	5.43	17.1	48.4	Plugged	Blue Thunder	Yes	Glider motor
E6-RCT	50600	2.75 (70mm)	RMS-R/C 24/40	37.5	5.3	11.9	7.12	21.5	52.7	Plugged	Blue Thunder	Yes	Glider motor
E12-RCJ	51200	2.75 (70mm)	RMS-R/C 24/40	36	11.2	18.3	3.05	30.3	59.4	Plugged	Black Jack	Yes	Glider motor
Category: 29mm Motors													
Subcategory: 29mm Enerjet Standard Single Use													
E24-4C	52404	3.283 (83mm)	N/A	36.3	24.0	33.0	1.64	18.4	70.7	4	Classic	Yes	
E24-7C	52407	3.283 (83mm)	N/A	36.3	24.0	33.0	1.64	18.4	70.7	7	Classic	Yes	
E24-10C	52410	3.283 (83mm)	N/A	36.3	24.0	33.0	0.64	18.4	70.7	10	Classic	Yes	
F20-4W	62004	3.283 (83mm)	N/A	51.75	20.0	40.3	2.49	30	80.1	4	White Lightning	Yes	
F20-7W	62007	3.283 (83mm)	N/A	51.75	20.0	40.3	2.49	30	80.2	7	White Lightning	Yes	
F23-4FJ	62304	3.283 (83mm)	N/A	41.2	18.6	29.8	2.21	30	82.3	4	Black Max	Yes	
F23-7FJ	62307	3.283 (83mm)	N/A	41.2	18.6	29.8	2.21	30	83.2	7	Black Max	Yes	
F27-4R	62704	3.283 (83mm)	N/A	49.6	24.4	37.7	2.03	28.4	79	4	Redline	Yes	
F27-8R	62708	3.283 (83mm)	N/A	49.6	24.4	37.7	2.03	28.4	80	8	Redline	Yes	
F42-4T	64204	3.283 (83mm)	N/A	52.93	43.0	66.0	1.23	27	75.1	4	Blue Thunder	Yes	
F42-8T	64208	3.283 (83mm)	N/A	52.93	43.0	66.0	1.23	27	75.9	8	Blue Thunder	Yes	
F52-5C	65212	3.283 (83mm)	N/A	66.2	52.0	74.6	1.30	30	81.4	5	Classic	Yes	
F52-8C	65214	3.283 (83mm)	N/A	66.2	52.0	74.6	1.30	30	81.4	8	Classic	Yes	
F52-12C	65216	3.283 (83mm)	N/A	66.2	52.0	74.6	1.30	30	81.4	12	Classic	Yes	
F67-4W	66704	3.283 (83mm)	N/A	61.1	69.0	86.0	0.95	30	80	4	White Lightning	Yes	
F67-6W	66706	3.283 (83mm)	N/A	61.1	69.0	86.0	0.95	30	80	6	White Lightning	Yes	
F67-9W	66709	3.283 (83mm)	N/A	61.1	69.0	86.0	0.95	30	80	9	White Lightning	Yes	
F67-6C	66710	3.283 (83mm)	N/A	77.5	55.2	72.8	1.41	36.8	85.7	6	Classic	No	
F67-9C	66712	3.283 (83mm)	N/A	77.5	55.2	72.8	1.41	36.8	85.7	9	Classic	No	
F67-14C	66714	3.283 (83mm)	N/A	77.5	55.2	72.8	1.41	36.8	85.7	14	Classic	No	
G74-4W	77405	3.283 (83mm)	N/A	82.64	79.6	94.5	1.04	39.3	87.6	4	White Lightning	No	
G74-6W	77406	3.283 (83mm)	N/A	82.74	79.6	94.5	1.04	39.3	87.8	6	White Lightning	No	
G74-9W	77409	3.283 (83mm)	N/A	82.74	79.6	94.5	1.04	39.3	88.5	9	White Lightning	No	
F25-4W	62504	3.85 (98mm)	N/A	77.9	25.6	46.8	3.10	36	90	4	White Lightning	No	
F25-6W	62506	3.85 (98mm)	N/A	77.9	25.6	46.8	3.10	36	90	6	White Lightning	No	
F25-9W	62509	3.85 (98mm)	N/A	77.9	25.6	46.8	3.10	36	90	9	White Lightning	No	

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F26-6FJ	62606	3.85 (98mm)	N/A	62.2	26.0	39.2	2.40	43	101	6	Black Max	No	
F26-9FJ	62609	3.85 (98mm)	N/A	62.2	26.0	39.2	2.40	43	101	9	Black Max	No	
F50-4T	65004	3.85 (98mm)	N/A	76.8	53.7	79.6	1.40	38	85	4	Blue Thunder	No	
F50-6T	65006	3.85 (98mm)	N/A	76.8	53.7	79.6	1.40	38	85	6	Blue Thunder	No	
F50-9T	65009	3.85 (98mm)	N/A	76.8	53.7	79.6	1.40	38	85	9	Blue Thunder	No	
G38-4FJ	73804	4.875 (124mm)	N/A	94	40.2	78.2	2.18	55	106.4	4	Black Max	No	
G38-7FJ	73807	4.875 (124mm)	N/A	94	40.2	78.2	2.18	55	105.9	7	Black Max	No	
G40-4W	74004	4.875 (124mm)	N/A	97.14	40.9	84.5	2.38	53.8	122.6	4	White Lightning	No	
G40-7W	74007	4.875 (124mm)	N/A	97.14	40.9	84.5	2.38	53.8	123.4	7	White Lightning	No	
G40-10W	74010	4.875 (124mm)	N/A	97.14	40.9	84.5	2.38	53.8	122.6	10	White Lightning	No	
G77-4R	77704	4.875 (124mm)	N/A	103	80.1	100.5	1.28	59.1	122	4	Redline	No	
G77-7R	77707	4.875 (124mm)	N/A	103	80.1	100.5	1.28	59.1	123	7	Redline	No	
G77-10R	77710	4.875 (124mm)	N/A	103	80.1	100.5	1.28	59.1	123	10	Redline	No	
G78-4G	77404	4.875 (124mm)	N/A	109.94	79.9	101.9	1.38	59.7	124	4	Mojave Green	No	
G78-7G	77407	4.875 (124mm)	N/A	109.94	79.9	101.9	1.38	59.7	125	7	Mojave Green	No	
G78-10G	77410	4.875 (124mm)	N/A	109.94	79.9	101.9	1.38	59.7	126	10	Mojave Green	No	
G79-4W	77904	4.875 (124mm)	N/A	108.3	72.6	93.9	1.50	60.1	123	4	White Lightning	No	
G79-7W	77907	4.875 (124mm)	N/A	108.3	72.6	93.9	1.50	60.1	124	7	White Lightning	No	
G79-10W	77910	4.875 (124mm)	N/A	108.3	72.6	93.9	1.50	60.1	124	10	White Lightning	No	
G80-7T	78007	4.875 (124mm)	N/A	136.6	77.6	108.5	1.70	62.5	127.6	7	Blue Thunder	No	
G80-10T	78010	4.875 (124mm)	N/A	136.6	77.6	108.5	1.70	62.5	127.9	10	Blue Thunder	No	
G80-13T	78013	4.875 (124mm)	N/A	136.6	77.6	108.5	1.70	62.5	129.3	13	Blue Thunder	No	
Subcategory: 29mm Model Rocket RMS Reloadable													
E16-4W	51604	4.875 (124mm)	RMS-29/40-120	37.67	18.8	37.2	2.00	19	107.8	4	White Lightning	Yes	
E16-7W	51607	4.875 (124mm)	RMS-29/40-120	37.67	18.8	37.2	2.00	19	109	7	White Lightning	Yes	
E23-5T	52305	4.875 (124mm)	RMS-29/40-120	37	22.5	38.2	1.57	17.4	103.9	5	Blue Thunder	Yes	
E23-8T	52308	4.875 (124mm)	RMS-29/40-120	37	22.5	38.2	1.57	17.4	103.8	8	Blue Thunder	Yes	
F22-5J	62205	4.875 (124mm)	RMS-29/40-120	65	19.6	31.2	3.31	46.3	135.6	5	Black Jack	No	
F22-7J	62207	4.875 (124mm)	RMS-29/40-120	65	19.6	31.2	3.31	46.3	132.9	7	Black Jack	No	
F40-4W	64004	4.875 (124mm)	RMS-29/40-120	78.1	37.9	68.1	2.10	40	125.6	4	White Lightning	No	
F40-7W	64007	4.875 (124mm)	RMS-29/40-120	78.1	37.9	68.1	2.10	40	126.1	7	White Lightning	No	
F40-10W	64010	4.875 (124mm)	RMS-29/40-120	78.1	37.9	68.1	2.10	40	126.2	10	White Lightning	No	
F52-5T	65205	4.875 (124mm)	RMS-29/40-120	72.95	51.4	79.0	1.42	36.6	121.1	5	Blue Thunder	No	
F52-8T	65208	4.875 (124mm)	RMS-29/40-120	72.95	51.4	79.0	1.42	36.6	121.6	8	Blue Thunder	No	
F52-11T	65211	4.875 (124mm)	RMS-29/40-120	72.95	51.4	79.0	1.42	36.6	121.6	11	Blue Thunder	No	
G53-5FJ	73305	4.875 (124mm)	RMS-29/40-120	90.9	53.1	87.3	1.71	60	146	5	Black Max	Yes	
G53-7FJ	73307	4.875 (124mm)	RMS-29/40-120	90.9	53.1	87.3	1.71	60	146	7	Black Max	Yes	
G53-10FJ	73310	4.875 (124mm)	RMS-29/40-120	90.9	53.1	87.3	1.71	60	146	10	Black Max	Yes	
G64-4W	76404	4.875 (124mm)	RMS-29/40-120	118.8	56.8	98.3	2.09	62.5	151	4	White Lightning	Yes	
G64-7W	76407	4.875 (124mm)	RMS-29/40-120	118.8	56.8	98.3	2.09	62.5	151.4	7	White Lightning	Yes	
G64-10W	76410	4.875 (124mm)	RMS-29/40-120	118.8	56.8	98.3	2.09	62.5	151.3	10	White Lightning	Yes	
G76-4G	77504	4.875 (124mm)	RMS-29/40-120	115	71.6	149.2	1.59	60	147	4	Mojave Green	Yes	
G76-7G	77507	4.875 (124mm)	RMS-29/40-120	115	71.6	149.2	1.59	60	147	7	Mojave Green	Yes	
G76-10G	77510	4.875 (124mm)	RMS-29/40-120	115	71.6	149.2	1.59	60	147	10	Mojave Green	Yes	
HP-G138T-14A	07138L	4.875 (124mm)	RMS-29/40-120	157.1	138.0	190.1	1.10	70	148	14	Blue Thunder	No	Lvl 1 Cert Required
Subcategory: 29mm Model Rocket LMS Loadable													
G77-4R/L	77604	4.875 (124mm)	N/A	103	80.1	100.5	1.28	59.1	122	4	Redline	No	
G77-7R/L	77607	4.875 (124mm)	N/A	103	80.1	100.5	1.28	59.1	123	7	Redline	No	
G77-10R/L	77610	4.875 (124mm)	N/A	103	80.1	100.5	1.28	59.1	123	10	Redline	No	
G78-4G/L	77304	4.875 (124mm)	N/A	109.94	79.9	101.9	1.38	59.7	124	4	Mojave Green	No	
G78-7G/L	77307	4.875 (124mm)	N/A	109.94	79.9	101.9	1.38	59.7	125	7	Mojave Green	No	
G78-10G/L	77310	4.875 (124mm)	N/A	109.94	79.9	101.9	1.38	59.7	126	10	Mojave Green	No	
G79-4W/L	77804	4.875 (124mm)	N/A	108.3	72.6	93.9	1.50	60.1	123	4	White Lightning	No	
G79-7W/L	77807	4.875 (124mm)	N/A	108.3	72.6	93.9	1.50	60.1	124	7	White Lightning	No	
G79-10W/L	77810	4.875 (124mm)	N/A	108.3	72.6	93.9	1.50	60.1	124	10	White Lightning	No	
Subcategory: 29mm High Power and High Power Style Reloadable													
F37W-14A	63714	3.5 (89mm)	RMS-29/60	50	31.7	46.5	1.60	28.2	108.2	14	White Lightning	Yes	
F62T-14A	66214	3.5 (89mm)	RMS-29/60	51	62.0	56.5	1.10	31	109	14	Blue Thunder	Yes	
G54W-14A	75414	4.5 (114mm)	RMS-29/100	81.1	53.7	81.6	1.50	46	137.4	14	White Lightning	Yes	

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
G104T-14A	71014	4.5 (114mm)	RMS-29/100	81.5	104.0	113.8	1.00	44	136	14	Blue Thunder	Yes	
G25W-10A	72510	5.5 (140mm)	RMS-29/120	117.5	22.2	41.2	5.30	63	117.1	10	White Lightning	No	
G79W-14A	77914	5.5 (140mm)	RMS-29/120	108.6	79.0	100.7	1.40	62	157	14	White Lightning	Yes	
G77R-14A	77714	5.5 (140mm)	RMS-29/120	105	77.0	96.9	1.40	58	165	14	Redline	Yes	
G75J-10A	77510	7.25 (184mm)	RMS-29/180	135.6	75.0	70.3	2.40	104	233	10	Black Jack	No	
H128W-14A	812814	7.25 (184mm)	RMS-29/180	172.9	128.0	168.7	1.30	94	206	14	White Lightning	Yes	
H165R-14A	81614	7.25 (184mm)	RMS-29/180	165	165.0	190.5	1.00	90	202	14	Redline	Yes	
H238T-14A	82314	7.25 (184mm)	RMS-29/180	165.5	238.0	263.4	0.70	83	196	14	Blue Thunder	Yes	
H97J-10A	89710	9.00 (228mm)	RMS-29/240	177.3	97.0	111.5	2.20	137	278	10	Black Jack	No	
H180W-14A	818014	9.00 (228mm)	RMS-29/240	217.7	180.0	228.5	1.30	124	252	14	White Lightning	Yes	
H220T-14A	82214	9.00 (228mm)	RMS-29/240	215.4	215.4	275.7	1.00	106.4	250	14	Blue Thunder	Yes	
H210R-14A	821014	9.00 (228mm)	RMS-29/240	215.4	215.4	275.7	1.00	106	246	14	Redline	Yes	
H250G-14A	82514	9.00 (228mm)	RMS-29/240	231	250.0	320.7	0.90	116	256	14	Mojave Green	Yes	
H268R-14A	82614	12.7 (322mm)	RMS-29/360	311.48	268.5	338.4	1.16	166	357.9	14	Redline	Yes	
I200W-14A	920014	12.7 (322mm)	RMS-29/360	324.5	200.0	463.3	1.70	187	358	14	White Lightning	Yes	
Subcategory: 29mm DMS Model Rocket Single Use													
G85T-P	70800	5.79 (147mm)	N/A	130	8.0	7.9	17.81	83.4	157.1	Plugged	Super Thunder	No	
G125T-P	71200	5.79 (147mm)	N/A	144	12.0	30.9	12.70	82	150.3	Plugged	Super Thunder	No	
G80T-14A	78014	4.88 (124mm)	N/A	137	80.0	109.0	1.70	62.5	128	14	Blue Thunder	No	
Subcategory: 29mm DMS High Power Single Use													
G72DM-14A	77214	4.88 (124mm)	N/A	105	80.8	105.6	1.30	63	132	14	Dark Matter	No	
G75M-13A	77513	4.88 (124mm)	N/A	120.4	74.7	102.0	1.60	67	131	13	Metalstorm	No	Lvl 1 Cert Required
G125T-14A	71214	4.88 (124mm)	N/A	128	125.0	160.0	0.95	59.6	125	14	Blue Thunder	No	
H13ST-P	81300	8.00 (203mm)	N/A	211.2	13.0	50.4	15.20	116.4	203.4	Plugged	Super Thunder	No	
H115DM-14A	81114	8.00 (203mm)	N/A	172	115.0	126.0	1.50	113	205	14	Dark Matter	No	
H135W-14A	81314	8.00 (203mm)	N/A	226	135.0	152.0	1.70	121	211	14	White Lightning	No	
H169WS-13A	81613	8.00 (203mm)	N/A	236	169.0	249.0	1.30	112	202	13	Super White	No	
H182R-14A	81814	8.00 (203mm)	N/A	218	182.0	192.0	1.20	115	207	14	Redline	No	
H195NT-14A	81914	8.00 (203mm)	N/A	236	195.0	254.0	1.16	107	196	14	Blue Thunder	No	
H14ST-P	81400	9.06 (230mm)	N/A	265	14.0	47.6	18.30	134	230	Plugged	Super Thunder	No	
I205W-14A	92014	12.0 (305mm)	N/A	345	205.0	253.0	1.70	188	315	14	White Lightning	No	
Category: 32mm Motors													
Subcategory: 32mm R/C Reloadable													
F13-RCT	91613	3.917 (99mm)	RMS-R/C 60-100	63	12.7	20.0	5.10	32.3	110.5	Plugged	Blue Thunder	No	Glider motor
F16-RCJ	91616	3.917 (99mm)	RMS-R/C 60-100	80	13.3	26.4	5.69	62.5	140.4	Plugged	Black Jack	No	Glider motor
G12-RCT	91712	3.917 (99mm)	RMS-R/C 60-100	93	10.2	20.6	10.20	51.1	131	Plugged	Blue Thunder	No	Glider motor
Category: 38mm Motors													
Subcategory: 38mm High Power and High Power Style Reloadable													
G61W-14A	76114	4.17 (106mm)	RMS-38/120	110.5	61.0	63.2	2.00	62	194	14	White Lightning	No	
G67R-14A	76714	4.17 (106mm)	RMS-38/120	110	67.0		1.60	60	201	14	Redline	No	
G69N-P	07069P	4.17 (106mm)	RMS-38/120	136.7	72.3	87.3	1.90	62.2	201	Plugged	Warp-9	No	
G339N-P	07339P	4.17 (106mm)	RMS-38/120	108.9	307.5	503.5	0.40	48	181	Plugged	Warp-9	No	
H73J-10A	87310	6.00 (152mm)	RMS-38/240	185.6	73.0	97.1	2.60	125	293	10	Black Jack	No	
H123W-14A	81214	6.00 (152mm)	RMS-38/240	223.6	123.0	174.2	1.80	122	275	14	White Lightning	No	
H130W-14A	813014	6.00 (152mm)	RMS-38/240	210	130.0	260.0	2.00	120	237	14	White Lightning	Yes	
H148R-14A	81414	6.00 (152mm)	RMS-38/240	206	148.0	192.5	1.50	115	274	14	Redline	No	
H242T-14A	82414	6.00 (152mm)	RMS-38/240	231.7	242.0	276.6	1.10	111	258	14	Blue Thunder	No	
H669N-P	08669P	6.00 (152mm)	RMS-38/240	221	651.4	961.5	0.30	96	252	Plugged	Warp-9	No	
I49N-P	09049P	8.40 (213mm)	RMS-38/360	383	49.4	63.7	7.68	190.8	381	Plugged	Warp-9	No	
H112J-10A	91110	8.40 (213mm)	RMS-38/360	261.1	112.0	121.7	2.90	187	385	10	Black Jack	No	
I161W-14A	91614	8.40 (213mm)	RMS-38/360	328.7	161.0	266.6	1.80	180	385	14	White Lightning	No	
I180W-14A	91814	8.40 (213mm)	RMS-38/360	326	180.0	362.0	1.80	180	385	14	White Lightning	Yes	
I218R-14A	921814	8.40 (213mm)	RMS-38/360	319.63	226.5	289.0	1.41	172.7	360.5	14	Redline	No	
I245G-14A	92414	8.40 (213mm)	RMS-38/360	350.4	239.6	411.9	1.46	181.4	365	14	Mojave Green	No	
I357T-14A	93514	8.40 (213mm)	RMS-38/360	342	357.0	432.8	1.00	163	337	14	Blue Thunder	No	
H999N-P	08999P	8.40 (213mm)	RMS-38/360	319.9	972.6	1710.0	0.33	144	331	Plugged	Warp-9	No	
H170M-14A	817014	8.40 (213mm)	RMS-38/360	319.9	166.8	208.0	1.90	183	330	14	Metalstorm	No	

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
H178DM-14A	817814	8.40 (213mm)	RMS-38/360	283	162.0	202.0	1.70	170	318	14	Dark Matter	No	
H550ST-14A	85515	8.40 (213mm)	RMS-38/360	320	550.0	667.0	0.57	145	323	14	Super Thunder	No	
I59WN-P	09059P	9.13 (232mm)	RMS-38/480	486	59.0	172.9	7.99	251.7	461	Plugged	Warp-9 + White Lightnng	No	
I1299N-P	09129P	9.13 (232mm)	RMS-38/480	423	1335.0	1851.4	0.30	192	422	Plugged	Warp-9	No	
I154J-10A	91510	9.13 (232mm)	RMS-38/480	378	154.0	170.5	3.00	250	476	10	Black Jack	No	
I211W-14A	92114	9.13 (232mm)	RMS-38/480	441.6	211.0	399.5	1.70	240	431	14	White Lightning	No	
I225FJ-14A	92214	9.13 (232mm)	RMS-38/480	367.9	230.5	276.6	1.60	242	486	14	Black Max	No	
I285R-14A	928514	9.13 (232mm)	RMS-38/480	420	285.0	374.0	1.50	230	461	14	Redline	No	
I300T-14A	93014	9.13 (232mm)	RMS-38/480	436.8	273.0	473.2	1.60	221.6	440.5	14	Blue Thunder	No	
I195J-10A	91910	11.7 (298mm)	RMS-38/600	455.2	160.8	244.8	2.83	312.5	582.4	10	Black Jack	No	
I284W-14A	928414	11.7 (298mm)	RMS-38/600	607.3	284.0	570.6	1.90	305	519	14	White Lightning	No	
I305FJ-14A	930514	11.7 (298mm)	RMS-38/600	452.1	313.5	418.2	1.40	330	581	14	Black Max	No	
I366R-14A	93614	11.7 (298mm)	RMS-38/600	539	366.0	507.0	1.00	288	550	14	Redline	No	
I435T-14A	94314	11.7 (298mm)	RMS-38/600	568.9	435.0	785.6	1.10	277	514	14	Blue Thunder	No	
I327DM-14A	932714	13.26 (337mm)	RMS-38/720	539	327.0	400.0	1.70	341	553	14	Dark Matter	No	
I364FJ-14A	936414	13.26 (337mm)	RMS-38/720	570.1	373.8	487.3	1.50	396	678	14	Black Max	No	
I600R-14A	96014	13.26 (337mm)	RMS-38/720	597.3	612.0	811.7	1.10	324	605	14	Redline	No	
J340M-14A	103414	13.26 (337mm)	RMS-38/720	651.7	354.1	605.0	1.80	365	577	14	Metalstorm	No	
J350W-14A	103514	13.26 (337mm)	RMS-38/720	700	445.0	822.5	1.50	350	600	14	White Lightning	No	
J420R-14A	104201	13.26 (337mm)	RMS-38/720	658	420.0	563.4	1.60	345	632	14	Redline	No	
J500G-14A	105014	13.26 (337mm)	RMS-38/720	723	500.0	787.9	1.40	363	637	14	Mojave Green	No	
J520W-13A	105214	18.85 (479mm)	RMS-38/1080	730.6	569.6	1022	1.30	381	773	13	White Lightning	Yes	
J570W-14A	105714	18.85 (479mm)	RMS-38/1080	973.1	509.3	1142.5	1.90	524	892	14	White Lightning	No	
J575FJ-14A	1057514	18.85 (479mm)	RMS-38/1080	798.1	594.0	839.5	1.30	519	938	14	Black Max	No	
J825R-14A	108214	18.85 (479mm)	RMS-38/1080	974.9	892.9	1244.3	1.20	497	881	14	Redline	No	
J510W-14A	105114	22.99 (584mm)	RMS-38/1320	1162	509.9	1162.0	2.30	660	1086	14	White Lightning	No	
Subcategory: 38mm DMS High Power Single Use													
H45W-PS	84510	7.98 (202mm)	N/A	320	53.0	87.0	6.00	180	364	Plugged	White Lightning	No	
H100W-14A	81014	6.12 (155mm)	N/A	234	100.0	131.0	2.30	121	261	14	White Lightning	No	
H219T-14A	82114	6.12 (155mm)	N/A	234	219.0	267.0	1.10	109	256	14	Blue Thunder	No	
H283ST-15A	82814	6.12 (155mm)	N/A	201	283.0	327.0	0.70	97	247	15	Super Thunder	No	
H550ST-14A	85514	7.98 (202mm)	N/A	320	550.0	667.0	0.57	145	315	14	Super Thunder	No	
I40N-P	84000	7.98 (202mm)	N/A	374.9	40.0	101.7	9.95	197	359.9	Plugged	Warp-9		
I140W-14A	91414	7.98 (202mm)	N/A	336	140.0	181.0	2.40	183	356	14	White Lightning	No	
I175WS-13A	91713	7.98 (202mm)	N/A	333	175.0	260	1.90	168	348	13	Super White	No	
I280DM-14A	92814	14.03 (356mm)	N/A	561	280.0	386.0	1.90	355	616	14	Dark Matter	No	
I500T-14A	95014	14.03 (356mm)	N/A	620	500.0	613.0	1.24	312	576	14	Blue Thunder	No	
J270W-14A	102714	14.03 (356mm)	N/A	703	270.0	356.0	2.60	381	642	14	White Lightning	No	
J425R-14A	104214	14.03 (356mm)	N/A	676	425.0	452.0	1.60	364	631	14	Redline	No	
J435WS-14A	104314	14.03 (356mm)	N/A	774	465.7	696.1	1.70	352	624	14	Super White	No	
Category: 54mm Motors													
Subcategory: 54mm High Power Reloadable													
I115W-14A	91114	6.14 (156mm)	RMS-54/426	417.8	118.9	166.9	3.50	229	580	10	White Lightning	No	Requires 54ACCSN
I117FJ-14A	911714	6.14 (156mm)	RMS-54/426	361	117.0	164.7	3.10	243	566	10	Black Max	No	Requires 54ACCSN
I170G-14A	91714	6.14 (156mm)	RMS-54/426	418.5	171.8	207.4	2.40	227	528	10	Mojave Green	No	Requires 54ACCSN
I215R-14A	921514	6.14 (156mm)	RMS-54/426	399	215.0	259.1	1.90	208	527	10	Redline	No	Requires 54ACCSN
I229T-14A	92215	6.14 (156mm)	RMS-54/426	407	229.0	273.6	1.80	196	514	10	Blue Thunder	No	Requires 54ACCSN
I599N-P	09599P	6.14 (156mm)	RMS-54/426	404.9	667.8	763.5	0.60	195	512	Plugged	Warp-9	No	Requires 54ACCSN
J90W-14A	109014	10.06 (256mm)	RMS-54/852	707	90.0	188.0	6.90	426	853	14	White Lightning	No	Requires 54FCE
J99N-P	10099P	9.56 (243mm)	RMS-54/852	935.2	99.0	127.2	10.80	480	894	Plugged	Warp-9	No	Requires 54ACCSN
J1299N-P	10129P	9.56 (243mm)	RMS-54/852	843.4	1291.6	1468.3	0.70	372	843	Plugged	Warp-9	No	
J180T-14A	101814	9.56 (243mm)	RMS-54/852	764	180.0	392.0	4.50	437	809	14	Blue Thunder	No	
J250FJ-14A	1025014	9.56 (243mm)	RMS-54/852	695.3	248.6	306.0	2.80	511	920	14	Black Max	No	
J275W-14A	1027514	9.56 (243mm)	RMS-54/852	774	275.0	370.0	3.30	472	864	14	White Lightning	No	
J315R-14A	103114	9.56 (243mm)	RMS-54/852	763.3	315.0	376.0	2.40	438	851	14	Redline	No	
J460T-14A	104614	9.56 (243mm)	RMS-54/852	805.5	460.0	870.5	1.80	415	789	14	Blue Thunder	No	
J615ST-20A	106120	9.56 (243mm)	RMS-54/852	745.5	615.0	933.9	1.20	370.5	801.7	20	Super Thunder	No	
J135W-14A	101314	14.98 (380mm)	RMS-54/1280	1069	157.0	274.0	6.80	633	1141	14	White Lightning	No	Requires 54FCE
J1799N-P	10179P	14.48 (368mm)	RMS-54/1280	1214.8	1963.4	2965.9	0.60	591	1111	Plugged	Warp-9	No	
J401FJ-14A	104014	14.48 (368mm)	RMS-54/1280	1115.4	408.9	480.0	2.80	511	912	14	Black Max	No	

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
J415W-14A	104114	14.48 (368mm)	RMS-54/1280	1231.7	415.0	732.8	2.90	693	1168	14	White Lightning	No	
J540R-14A	105414	14.48 (368mm)	RMS-54/1280	1161	540.0	666.9	2.20	679	1084	14	Redline	No	
J800T-14A	108014	14.48 (368mm)	RMS-54/1280	1229.1	696.5	1001.0	1.80	618	1086	14	Blue Thunder	No	
K185W-14A	111814	16.65 (423mm)	RMS-54/1706	1417.2	185.0	404.7	6.90	837	1434	14	White Lightning	No	Requires 54FCE
K456DM-14A	114514	16.15 (410mm)	RMS-54/1706	1281	438.0	534.0	2.90	866	1484	14	Dark Matter	No	
K513FJ-14A	115114	16.15 (410mm)	RMS-54/1706	1496.3	556.8	658.3	2.80	974	1647	14	Black Max	No	
K540M-14A	115414	16.15 (410mm)	RMS-54/1706	1596.3	557.4	854.0	2.90	877	1275	14	Metalstorm	No	
K550W-14A	115514	16.15 (410mm)	RMS-54/1706	1539.1	396.8	655.3	3.90	889	1487	14	White Lightning	No	
K695R-14A	116914	16.15 (410mm)	RMS-54/1706	1514	695.0	900.1	2.20	903	1487	14	Redline	No	
K805G-PS	11805P	16.15 (410mm)	RMS-54/1706	1762	805.0	828.2	2.20	871	1543	Plugged	Mojave Green	No	
K1103X-14A	11103L	16.15 (410mm)	RMS-54/1706	1789	1103.0	1780.0	1.60	830	1459	14	Propellant X	No	
K1100T-14A	111014	16.15 (410mm)	RMS-54/1706	1472	1100.0	2004.0	1.60	773	1336	14	Blue Thunder	No	
K2050ST-P	112014	16.15 (410mm)	RMS-54/1706	1384	1874.0	2086.0	0.70	674	1292	Plugged	Super Thunder	No	
K270W-14A	112714	23.29 (592mm)	RMS-54/2560	1968	249.8	438.4	7.90	1188	2100	Plugged	White Lightning	No	Requires 54FCE
K375NW-PS	11375P	22.79 (579mm)	RMS-54/2560	2228.1	430.6	1371.8	5.80	1318	2106	Plugged	Warp-9 + White Lightnting	No	
K480W-PS	11480P	22.79 (579mm)	RMS-54/2560	2273.3	545.3	1017.8	4.30	1292	2078	Plugged	White Lightning	No	
K700W-PS	11700P	22.79 (579mm)	RMS-54/2560	2261	700.0	1617.0	3.50	1303	2035	Plugged	White Lightning	No	
K828FJ-PS	11828P	22.79 (579mm)	RMS-54/2560	2120	828.0	1303.7	2.50	1373	2223	Plugged	Black Max	No	
K1275R-PS	111275P	22.79 (579mm)	RMS-54/2560	2224.9	1275.0	1554.0	1.80	1222	1986	Plugged	Redline	No	
K990DM-14A	119914	23.54 (598mm)	RMS-54/2800	1867	931.0	1075.0	2.00	1224	2109	14	Dark Matter	No	
K1050W-PS	11105P	23.54 (598mm)	RMS-54/2800	2426.4	1132.9	2172.0	2.10	1265	2203	Plugged	White Lightning	No	
L1090W-PS	12109P	23.54 (598mm)	RMS-54/2800	2671	1090.0	1487.0	2.50	1400	2432	Plugged	White Lightning	No	
Subcategory: 54mm High Power Loadable													
K250W-P	11250P	26.49 (673mm)	N/A	2353	250.0	545.8	9.00	1434	2211	Plugged	White Lightning	No	
Subcategory: 54mm DMS High Power Single Use													
I65W-PS	96510	8.58 (218mm)	N/A	640	65.0	178.0	9.00	377	752	Plugged	White Lightning	No	
J250W-14A	102514	8.58 (218mm)	N/A	716	250.0	331.0	2.80	363	708	14	White Lightning	No	
K62N-P	116200	14.10 (358mm)	N/A	1439	62.0	258.7	23.10	831	1277	Plugged	Warp-9	No	
K76WN-P	117600	14.10 (358mm)	N/A	1349.8	76.0	299.7	20.22	840	1278	Plugged	White Lightning + Warp-9	No	
J450DM-14A	104514	14.10 (358mm)	N/A	1097	450.0	556.0	2.40	662	1209	14	Dark Matter	No	
K400C-14A	114014	14.10 (358mm)	N/A	1361	400.0	549.0	3.30	650	1194	14	Classic	No	
J1265ST-14A	112614	14.10 (358mm)	N/A	1072	1265.0	1745.0	0.85	507	1095	14	Super Thunder	No	
K535W-14A	115314	14.10 (358mm)	N/A	1434	535.0	655.0	2.80	745	1264	14	White Lightning	No	
K455NW-17A	114517	25.00 (635mm)	N/A	2328	455.0	1308	5.10	1361	2286	17	Warp-9 + White Lightning	No	
K850DM-16A	118516	25.00 (635mm)	N/A	1867	850.0	974.0	2.20	1149	2022	16	Dark Matter	No	
L1000W-18A	121018	25.00 (635mm)	N/A	2714	1000.0	1261.0	2.70	1400	2194	14	White Lightning	No	
Category: 75mm Motors													
Subcategory: 75mm High Power Reloadable													
K1499N-PS	11149P	10.23 (260mm)	RMS-75/1280	1321.7	1499.8	1720.1	0.90	604	1741	Plugged	Warp-9	No	
K750ST-PS	11750P	10.23 (260mm)	RMS-75/1280	1298.7	750.0	835.7	1.74	595	1948	Plugged	Super Thunder	No	
K560W-PS	11560P	15.59 (396mm)	RMS-75/2560	2417	560.0	753.7	4.10	1425	2744	Plugged	White Lightning	No	
K780R-PS	11780P	15.59 (396mm)	RMS-75/2560	2371	780.0	965.0	3.00	1268	2934	Plugged	Redline	No	
K1000T-PS	11100P	15.59 (396mm)	RMS-75/2560	2511.5	1066.0	1674.0	2.40	1234	2602	Plugged	Blue Thunder	No	
K1800ST-PS	11180P	15.59 (396mm)	RMS-75/2560	2443.7	1800.0	2082.4	1.37	1113	2772	Plugged	Super Thunder	No	
L850W-PS	12850P	20.90 (531mm)	RMS-75/3840	3646.2	850.0	1866.2	4.40	2095	3742	Plugged	White Lightning	No	
L1150R-PS	12115P	20.90 (531mm)	RMS-75/3840	3517	1150.0	1346.0	3.10	1902	3674	Plugged	Redline	No	
L1256WS-PS	12126P	20.90 (531mm)	RMS-75/3840	3785	1256.0	1509.0	3.00	1827	3756	Plugged	Super White	No	
L1390G-PS	12139P	20.90 (531mm)	RMS-75/3840	3949	1390.0	1649.8	2.60	1973	3876	Plugged	Mojave Green	No	
L1520T-PS	12152P	20.90 (531mm)	RMS-75/3840	3715.9	1567.8	1765.3	2.40	1854	3651	Plugged	Blue Thunder	No	
L1940X-PS	12194P	20.90 (531mm)	RMS-75/3840	4329.2	1939.3	2318.5	2.20	1825	3856	Plugged	Propellant X	No	Requires 75FSDSS
L2775ST-PS	12277P	20.90 (531mm)	RMS-75/3840	3150	2774.0	3096.0	1.14	1418	3479	Plugged	Super Thunder	No	Requires 75FSDSS
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	

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
M1780NT-PS	13178P	26.81 (681mm)	RMS-75/5120	5783	1859.0	3056.0	3.10	2560	4715	Plugged	Blue Thunder	No	
M2050X-PS	13205P	26.81 (681mm)	RMS-75/5120	5498	2050.0	2677.0	2.50	2268	4446	Plugged	Propellant X	No	Requires 75FSDSS
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	10240	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

K458W-PS	11458P	10.82 (275mm)	RMS-98/2560	2464.6	458.0	585.8	6.00	1425	3164	Plugged	White Lightning	No	
K650T-PS	11650P	10.82 (275mm)	RMS-98/2560	2405.7	650.0	752.8	3.70	1280	2935	Plugged	Blue Thunder	No	
K680R-PS	11680P	10.82 (275mm)	RMS-98/2560	2358	680.0	835.0	3.50	1316	3035	Plugged	Redline	No	
K1999N-PS	11199P	10.82 (275mm)	RMS-98/2560	2540	1887.4	2159.6	1.30	1225	2989	Plugged	Warp-9	No	
L339N-PS	12339P	10.82 (275mm)	RMS-98/2560	3042.9	316.5	3042.9	8.80	1796	3210	Plugged	Warp-9	No	Requires 98FCBP
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	
L2500ST-PS	12250P	17.48 (444mm)	RMS-98/5120	4680	2500.0	3114.0	1.80	2160	5091	Plugged	Super Thunder	No	Requires 98FSDSS
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
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