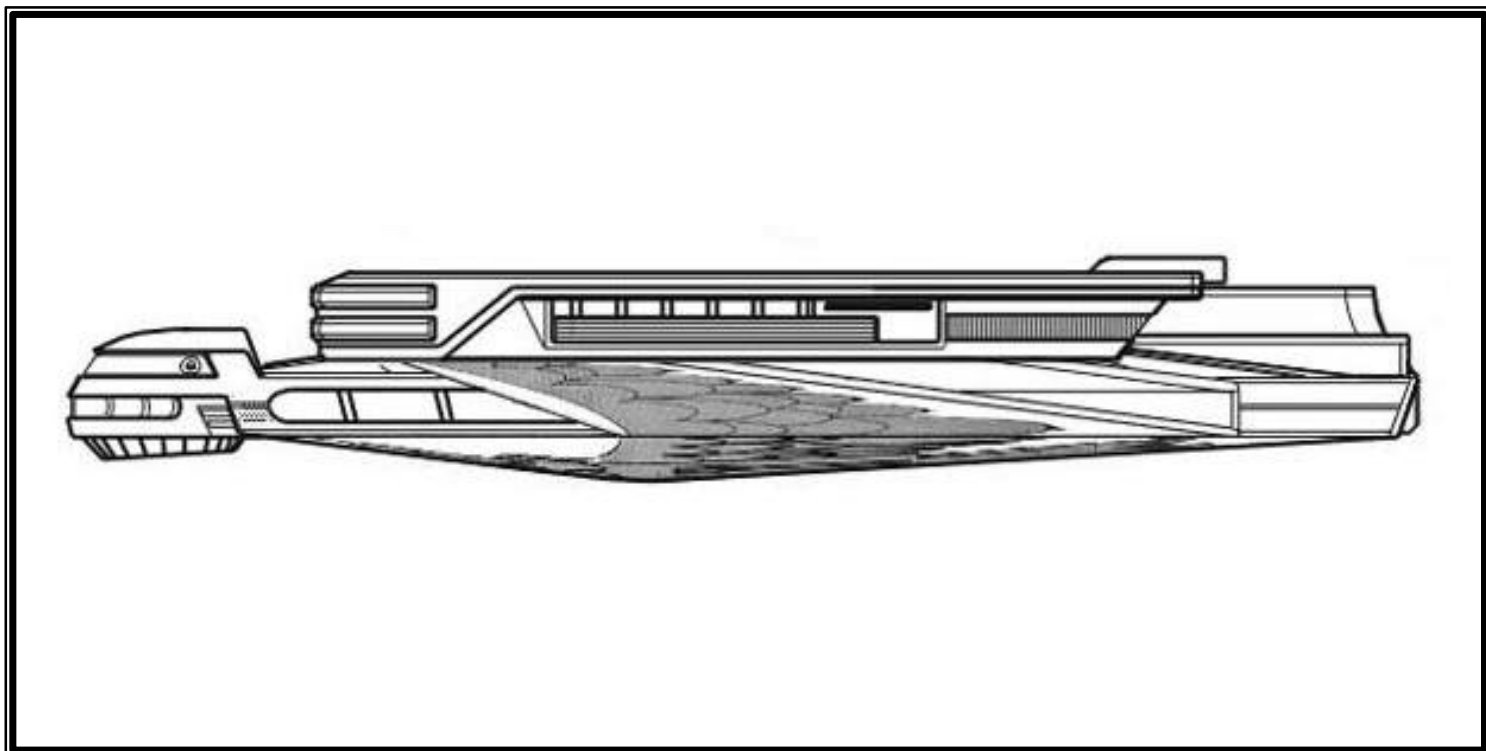

ROMULAN STARSHIP CONSTRUCTION MODULE 2230-2330

ROMULAN STAR EMPIRE
IMPERIAL ROMULAN NAVY COMMAND
VERSION 1.0



Created by: William Colley
Christopher Cornelius
Bryan Jecko
Sidney Maurer

Update/Upgrade: Compilation Material from
William Colley
Christopher Cornelius
Bryan Jecko
Sidney Maurer

Includes material from various official and unofficial Star Trek resources.

CONTENTS

This document is for designing Romulan starships for use in the FASA Star Trek Starship Tactical Combat Simulator Game. Presented in this document is the statistics and game data for the warp engines, impulse engines, ship's computer, shields, hull, and the superstructure requirements for the Romulan starships of the Star Trek universe. Star Trek is a trademark/copyright of Paramount Pictures Corporation. No infringement intended.

Formula's:

The formula's used to create the Impulse Engine Movement Efficiency Rating (IER), Warp Engine Movement Efficiency Rating (WER), Shield Efficiency Rating (SER), and Weapon Damage Factor (WDF) for this module were created by Sidney Maurer.

Playtester Contributions:

The STCS Design consortium would like to thank the following playtesters who contributed to this product:

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Starship Picture Credits:

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TITLE

AUTHOR

Romulan Starship Construction Module 2230 through 2330
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Control Computers
Christopher Cornelius / Bryan Jecko

Cloaking Devices
Christopher Cornelius / Bryan Jecko

Warp Engines
William Colley / Bryan Jecko

Impulse Engines
William Colley

Shield Generators
William Colley / Bryan Jecko

Weapon Systems
William Colley / Christopher Cornelius / Bryan Jecko

Y ROMULAN STAR EMPIRE Y

Control Computer Type					
Control Computer Type	System Mass (mt)	Appropriate Ship Classes	SS Requirement	Maximum WDF Allowed	Date Entered Service
R5M-1	5,600	VII-XVI	1.9	95	2290
R-7m	10304	XI-XX	3.0	170	2284
R-7m-1	11005	XI-XX	3.2	195	2287
R-8m	11355	XII-XX	4.1	215	2290
R-9m	12600	XIII-XX	5.6	250	2316
R-9m-1	14125	XII-XX	7.8	295	2351

Cloaking Device Type					
Cloaking Device Type	Appropriate Ship Classes	Power to Energize	Control Computer Requirement	SS Requirement	Date Entered Service
RCF	XIII-XV	75	R-8m	None	2292
RCG	XVI-XIX	120	R-9m	None	2318

WARP ENGINE TYPES						
Single Engine Use						
Warp Engine Type	Total Mass (mt)	Power Units Available	Control Computer Required	Stress Column (Eng/SS)	SS Requirement	Date Entered Service
RWD-3	30,000	22	R3M	O/Q	2.4	2292
RWE-2	40,000	16	R-2m	H/K	3.2	2280
RWF-3	50,000	20	R-4m	F/K	4.0	2290
RWG-2	70,000	36	R-5m	D/G	5.6	2293
RWH-1	98,000	44	R-5m	E/G	7.5	2308
RWH-2	98,000	48	R-6m	E/G	7.5	2315
RWI-1	15,500	10	R-1m	J/L	1.4	2309
Tandem Engine Use						
Warp Engine Type	Total Mass (mt)	Power Units Available	Control Computer Required	Stress Column (Eng/SS)	SS Requirement	Date Entered Service
RWD-3	60,000	22	R5M-1	O/Q	4.8	2292
RWE-2	80,000	17	R-5m	I/L	6.8	2280
RWF-3	100,000	22	R-6m	G/N	8.0	2290
RWG-2	140,000	38	R-7m	G/L	11.2	2293
RWH-1	196,000	46	R-7m	H/M	15.0	2308
RWH-2	196,000	52	R-8m	H/M	15.0	2315
RWI-1	31,000	11	R-4m	P/Q	2.8	2309

MOVEMENT POINT RATIO TABLE: SINGLE WARP ENGINES

Movement Point Ratios

Ship Class	1/3	1/2	1/1	2/1	3/1	4/1	5/1	6/1	
III			RWI-1 14.5 8/9	RWI-1 7.5 7/9	RWI-1 5 7/8				
IV				RWD-3 RWI-1 16.0 7.5 7/9 7/9	RWI-1 5 7/8				
V				RWD-3 RWI-1 16.0 7.5 7/9 7/9 RWE-2 11 7/8	RWE-2 RWI-1 7.5 5 6/8 7/8				
VI				RWD-3 RWF-3 16.0 14.5 7/9 7/9 RWE-2 11 7/8	RWD-3 RWF-3 10.5 9.5 7/8 7/8 RWE-2 RWI-1 7.5 5 6/8 7/8	RWE-2 5.5 5/7 RWF-3 7.0 6/7			
VII				RWE-2 11 7/8 RWF-3 14.5 7/9	RWD-3 RWF-3 10.5 9.5 7/8 7/8 RWE-2 RWG-2 7.5 15.5 6/8 8/9	RWD-3 RWF-3 8.0 7.0 6/7 6/7 RWE-2 RWG-2 5.5 11.5 5/7 7/9	RWF-3 5.5 5/6 RWG-2 9.5 6/8		
VIII					RWD-3 RWF-3 10.5 9.5 7/8 7/8 RWE-2 RWG-2 7.5 15.5 6/8 8/9	RWD-3 RWF-3 8.0 7.0 6/7 6/7 RWE-2 RWG-2 5.5 11.5 5/7 7/9	RWF-3 5.5 5/6 RWG-2 9.5 6/8		
IX					RWE-2 7.5 6/8 RWF-3 9.5 7/8 RWH-1 18.5 8/9	RWD-3 RWG-2 8.0 11.5 6/7 7/9 RWE-2 RWH-1 5.5 14 5/7 7/9 RWF-3 RWH-2 7.0 15.5 6/7 8/9	RWD-3 RWH-1 6.5 11.5 5/6 7/8 RWF-3 RWH-2 5.5 12.5 5/6 7/9 RWG-2 9.5 6/8	RWH-1 9.5 6/7 RWH-2 10 6/8	
X					RWE-2 7.5 6/8 RWF-3 9.5 7/8 RWH-1 18.5 8/9	RWE-2 RWH-1 5.5 14 5/7 7/9 RWF-3 RWH-2 7.0 15.5 6/7 8/9 RWG-2 11.5 7/9	RWD-3 RWH-1 6.5 11.5 5/6 7/8 RWF-3 RWH-2 5.5 12.5 5/6 7/9 RWG-2 9.5 6/8	RWD-3 5.5 4/5 RWH-1 9.5 6/7 RWH-2 10 6/8	
XI						RWE-2 RWH-2 5.5 15.5 5/7 8/9 RWF-3 7.0 6/7 RWH-1 14 7/9	RWF-3 9.5 6/8 RWH-2 12.5 7/9	RWD-3 5.5 4/5 RWH-1 9.5 6/7 RWH-2 10 6/8	
XII						RWF-3 7.0 6/7	RWF-3 RWH-2 5.5 12.5 5/6 7/9 RWG-2 9.5 6/8 RWH-1 11.5 7/8	RWG-2 6.5 5/7 RWH-1 9.5 6/7 RWH-2 10 6/8	
XIII							RWF-3 RWH-2 5.5 12.5 5/6 7/9 RWH-1 11.5 7/8	RWH-1 9.5 6/7 RWH-2 10 6/8	
XIV								RWH-1 9.5 6/7 RWH-2 10 6/8	
XV									

MOVEMENT POINT RATIO TABLE: TANDEM WARP ENGINES

Movement Point Ratios

Ship Class	2/1	3/1	4/1	5/1	6/1	7/1	8/1			
V	RWI-1 17 8/9	RWD-3 21.5 7/9 RWI-1 11.5 7/9								
VI		RWD-3 21.5 7/9 RWI-1 11.5 7/9	RWI-1 8.5 7/8							
VII	RWE-2 24.5 8/9	RWD-3 21.5 7/9 RWE-2 16.5 7/9 RWI-1 11.5 7/9	RWD-3 16.0 7/8 RWE-2 12.5 7/8 RWI-1 8.5 7/8	RWE-2 9.5 6/7						
VIII		RWE-2 16.5 7/9	RWD-3 16.0 7/8 RWE-2 12.5 7/8	RWI-1 8.5 7/8	RWE-2 9.5 6/7	RWE-2 8.5 5/7				
IX		RWE-2 16.5 7/9 RWF-3 17 8/9	RWD-3 16.0 7/8 RWE-2 12.5 7/8 RWI-1 8.5 7/8	RWF-3 13 7/9 RWI-1 8.5 7/8	RWE-2 9.5 6/7 RWF-3 10 6/7	RWE-2 8.5 5/7 RWF-3 8.5 6/8	RWE-2 7.0 5/6 RWF-3 7.0 6/7			
X		RWE-2 16.5 7/9 RWF-3 17 8/9	RWD-3 16.0 7/8 RWE-2 12.5 7/8	RWF-3 13 7/9	RWD-3 13.0 6/7 RWE-2 9.5 6/7	RWF-3 10 7/8 RWF-3 8.5 6/8	RWE-2 7.0 5/6 RWF-3 7.0 6/7	RWF-3 6.0 5/6		
XI			RWD-3 16.0 7/8 RWE-2 12.5 7/8	RWF-3 13 7/9	RWD-3 13.0 6/7 RWE-2 9.5 6/7	RWF-3 10 7/8	RWD-3 10.5 5/6 RWF-3 8.5 6/8	RWE-2 7.0 5/6 RWF-3 7.0 6/7	RWF-3 6.0 5/6	
XII			RWE-2 12.5 7/8 RWF-3 13 7/9	RWD-3 13.0 6/7 RWE-2 9.5 6/7	RWF-3 10 7/8 RWG-2 19.5 8/9	RWD-3 10.5 5/6 RWF-3 8.5 6/8 RWG-2 16 7/9	RWE-2 7.0 5/6 RWG-2 7.0 6/7	RWG-2 16 7/9 RWF-3 12 6/7	RWF-3 6.0 5/6 RWG-2 12 6/7	
XIII				RWD-3 13.0 6/7 RWE-2 9.5 6/7	RWF-3 10 7/8 RWG-2 19.5 8/9	RWD-3 10.5 5/6 RWF-3 8.5 6/8 RWG-2 16 7/9	RWD-3 9.0 4/5 RWF-3 7.0 5/6 RWG-2 7.0 6/7	RWF-3 7.0 6/7 RWG-2 16 7/9 RWH-1 17.5 8/9 RWG-2 19 8/9	RWF-3 6.0 5/6 RWG-2 12 6/7 RWH-1 15.0 7/9	
XIV				RWG-2 19.5 8/9		RWD-3 10.5 5/6 RWF-3 8.5 6/8 RWG-2 16 7/9	RWD-3 9.0 4/5 RWF-3 7.0 5/6 RWG-2 7.0 6/7	RWG-2 16 7/9 RWH-1 17.5 8/9 RWH-2 19 8/9	RWF-3 6.0 5/6 RWG-2 12 6/7 RWH-1 15.0 7/9	RWH-2 16.5 7/9
XV						RWG-2 16 7/9	RWD-3 9.0 4/5 RWF-3 7.0 5/6 RWG-2 7.0 6/7	RWG-2 16 7/9 RWH-1 17.5 8/9 RWH-2 19 8/9	RWF-3 6.0 5/6 RWG-2 12 6/7 RWH-1 15.0 7/9	RWH-2 16.5 7/9
XVI						RWG-2 16 7/9	RWD-3 9.0 4/5 RWG-2 16 7/9	RWH-1 17.5 8/9 RWH-2 19 8/9	RWF-3 6.0 5/6 RWG-2 12 6/7 RWH-1 15.0 7/9	RWH-1 15.0 7/9
XVII						RWG-2 16 7/9	RWG-2 16 7/9 RWH-1 17.5 8/9	RWH-2 19 8/9	RWF-3 6.0 5/6 RWG-2 12 6/7 RWH-1 15.0 7/9	RWH-2 16.5 7/9
XVIII						RWG-2 16 7/9	RWG-2 16 7/9 RWH-1 17.5 8/9	RWH-2 19 8/9	RWF-3 6.0 5/6 RWG-2 12 6/7 RWH-1 15.0 7/9	RWH-2 16.5 7/9
XIX							RWG-2 16 7/9 RWH-1 17.5 8/9	RWH-2 19 8/9	RWF-3 6.0 5/6 RWG-2 12 6/7 RWH-1 15.0 7/9	RWH-2 16.5 7/9
XX									RWG-2 12 6/7 RWH-1 15.0 7/9	RWH-2 16.5 7/9

IMPULSE ENGINE TYPES						
Engine Type	Total Mass (mt)	Power Units Available	Control Computer Required	Ship Classes Powered	SS Requirement	Date Entered Service
RIG-1	800	20	R4M	VII-XIII	0.1	2292
RIG-2	800	30	R5M	IX-XX	0.1	2305
RIH-1	1,500	25	R4M	XIII-XX	0.1	2310
RIH-2	1,500	35	R5M	XIV-XX	0.1	2315

MOVEMENT POINT RATIO TABLE: IMPULSE ENGINES									
Movement Point Ratios									
Ship Class	2/1	3/1	4/1	5/1	6/1	7/1	8/1		
VII		RIG-1 9.5	RIG-1 7.0	RIG-1 6.0					
VIII		RIG-1 9.5	RIG-1 7.0	RIG-1 6.0		RIG-1 5.0			
IX			RIG-1 7.0	RIG-1 6.0		RIG-1 5.0	RIG-1 4.0		
X			RIG-1 7.0	RIG-1 6.0		RIG-1 5.0	RIG-1 4.0		RIG-1 3.5
XI		RIG-2 14.0	RIG-1 7.0	RIG-2 11.0	RIG-1 6.0	RIG-1 5.0	RIG-1 4.0		RIG-1 3.5
XII			RIG-2 11.0	RIG-1 6.0	RIG-2 8.5	RIG-1 5.0	RIG-1 4.0		RIG-1 3.5
XIII			RIG-2 11.0	RIH-1 9.0	RIG-2 8.5	RIH-1 9.0	RIG-1 7.0	RIG-2 6.0	RIG-1 3.5
XIV			RIH-1 9.0		RIG-2 8.5	RIH-2 10.0	RIG-2 7.0	RIH-2 8.5	RIG-2 5.5
XV				RIH-1 9.0	RIH-2 10.0	RIG-2 7.0	RIH-2 8.5	RIG-2 6.0	RIH-2 7.0
XVI				RIH-1 9.0	RIH-2 10.0	RIG-2 7.0	RIH-2 8.5	RIG-2 6.0	RIH-2 7.0
XVII				RIH-1 9.0	RIH-2 10.0	RIG-2 7.0	RIH-2 8.5	RIG-2 6.0	RIH-2 7.0
XVIII						RIH-1 6.0	RIH-2 8.5	RIG-2 6.0	RIH-2 7.0
XIX						RIH-1 5.0	RIH-2 7.0	RIG-2 5.5	RIH-2 6.5
XX							RIH-2 7.0	RIG-2 5.5	RIH-2 6.5

SHIELD GENERATOR TYPES					
Shield Generator Type	Total Mass (mt)	Control Computer Requirement	Shield Efficiency Rating	SS Requirement	Date Entered Service
RSP	870	R-5m	3	2.2	2286
RSQ	1439	R-7m	4	3.4	2296
RSR	610	R-6m	3	2.6	2307
RSS	1608	R-7m	4	3.1	2318
RST	1567	R-8m	2	3.5	2326

ROMULAN EMPIRE					
Shield Point Ratios					
Ship Class	1/2	1/3		1/4	
	RST	RSP	RSR	RSQ	RSS
I	40	18	24	19	27
	28.5	8.5	11.5	7.0	10.0
II	40	18	24	19	27
	28.5	8.5	11.5	7.0	10.0
III	40	18	24	19	27
	28.5	8.5	11.5	7.0	10.0
IV	40	18	24	19	27
	28.5	8.5	11.5	7.0	10.0
V	40	18	24	19	27
	28.5	8.5	11.5	7.0	10.0
VI	40	18	24	19	27
	28.5	8.5	11.5	7.0	10.0
VII	40	18	24	19	27
	28.5	8.5	11.5	7.0	10.0
VIII	40	18	24	19	27
	28.5	8.5	11.5	7.0	10.0
IX	40	18	24	19	27
	28.5	8.5	11.5	7.0	10.0
X	40	18	24	19	27
	28.5	8.5	11.5	7.0	10.0
XI	40	18	24	19	27
	28.5	8.5	11.5	7.0	10.0
XII	40	18	24	18	27
	28.5	8.5	11.5	6.5	10.0
XIII	40	18	24	18	27
	28.5	8.5	11.5	6.5	10.0
XIV	40	18	24	18	27
	28.5	8.5	11.5	6.5	10.0
XV	40	18	24	17	27
	28.5	8.5	11.5	6.0	10.0
XVI	40	18	24	17	27
	28.5	8.5	11.5	6.0	10.0
XVII	40	18	24	17	27
	28.5	8.5	11.5	6.0	10.0
XVIII	40	18	24	16	27
	28.5	8.5	11.5	5.5	10.0
XIX	40	17	24	16	25
	28.5	8.0	11.5	5.5	9.0
XX	40	17	24	16	25
	28.5	8.0	11.5	5.5	6.0

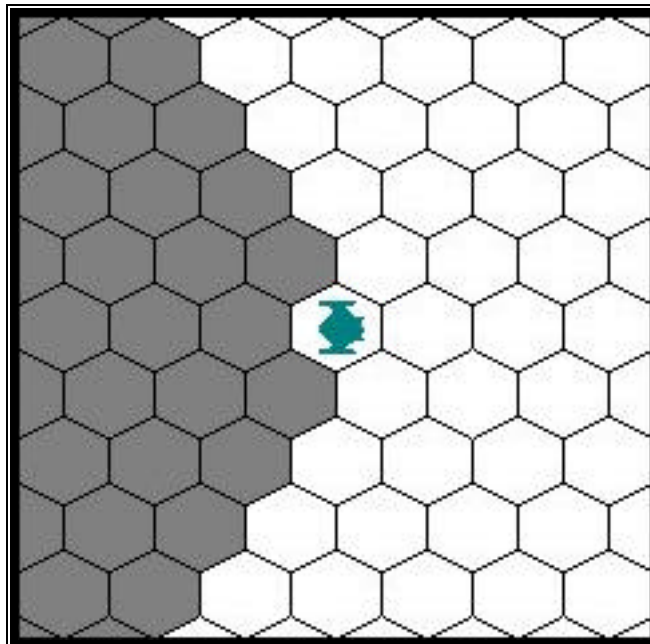
BEAM WEAPON TYPES										
Beam Weapon Type	Total Mass (mt)	Maximum Beam Power	+3	Damage Modifiers +2	+1	Maximum Range (hex)	Firing Chart	Weapon Damage Factor	SS Requirement (single/bank)	Date Entered Service
RB-12	510	9	(1-10)	(11-15)	(16-20)	20	W	8.8	.9/1.4	2284
RB-13	950	11	(1-10)	(11-16)	(17-21)	21	V	9.4	2.1/3.2	2294
RB-14	1210	17	(1-5)	(6-12)	(13-18)	18	T	12.5	2.4/3.5	2308
RB-15	1450	15	(1-8)	(9-16)	(17-20)	20	U	11.7	1.9/2.9	2319
RB-16	1630	20	(1-10)	(11-16)	(17-21)	21	V	15.7	2.9/4.4	2325

SUPER DISRUPTOR WEAPON TYPES										
Beam Weapon Type	Total Mass (mt)	Maximum Beam Power	+4	Damage Modifiers +3	+2	Maximum Range (hex)	Firing Chart	Weapon Damage Factor	SS Requirement (single/bank)	Date Entered Service
RSD-1	220	6	(1-3)	(4-7)	(8-10)	10	H	3.1	1.5/2.3	2288
RSD-2	260	10	(1-4)	(5-7)	(8-10)	10	J	5.5	2.1/2.9	2289
RSD-3	300	8	(1-4)	(5-8)	(9-12)	12	L	5.1	1.9/2.5	2290
RSD-4	310	14	(1-4)	(5-9)	(10-14)	14	O	9.2	2.8/3.2	2291
RSD-5	320	6	(1-5)	(6-9)	(10-14)	14	Q	5.2	2.6/3.8	2294
RSD-6	340	12	(1-5)	(6-9)	(10-14)	14	Q	8.7	3.7/4.3	2296

SUPER DISRUPTOR INFORMATION:

Super Disruptors are a heavy beam weapons used by Romulan Star Empire to provide high-powered beam offensive support. They are installed mostly on warships designed for defense, heavy combat, and patrol duties. Due to development based upon captured Federation Mega Phasers, the Super Disruptor can only fire in the forward firing arc as see below. This limitation was the result of differences of Romulan and Federation power systems.

Super Disruptor Firing Arc (SDFA)



MISSILE WEAPON TYPES								
Missile Weapon Type	Total Mass (mt)	Power To Arm	Damage	Maximum Range (hex)	Firing Chart	Weapon Damage Factor	SS Requirement	Date Entered Service
RP-4	250	1	12	16	P	6.6	1.9	2284
RP-5	275	1	15	16	R	8.9	1.3	2287
RP-6	310	1	18	13	M	8.6	2.2	2289
RP-7	280	1	20	16	R	11.9	1.5	2295
RP-8	320	1	30	16	S	18.8	1.8	2325

PLASMA WEAPON TYPES								
Plasma Weapon Type	Total Mass (mt)	Power To Arm	Damage	Maximum Range (hex)	Firing Chart	Weapon Damage Factor	SS Requirement	Date Entered Service
RPL-4	205	12	RL-4	18	T	18.6	4.8	2293

TOTAL DAMAGE FROM ROMULAN PLASMA WEAPONS				
Range	RL-1	RL-2	RL-3	RL-4
1	24/12	32/16	28/14	44/22
2	20/10	32/16	28/14	44/22
3	20/10	32/16	28/14	40/20
4	16/8	24/12	28/14	40/20
5	16/8	24/12	24/12	36/18
6	12/6	24/12	24/12	36/18
7	8/4	20/10	24/12	32/16
8	4/2	20/10	24/12	32/16
9		16/8	20/10	28/14
10		16/8	20/10	28/14
11		12/6	20/10	24/12
12		12/6	16/8	24/12
13		8/4	16/8	20/10
14		8/4	12/6	20/10
15			12/6	16/8
16			8/4	12/6
17			8/4	8/4
18			4/2	4/2