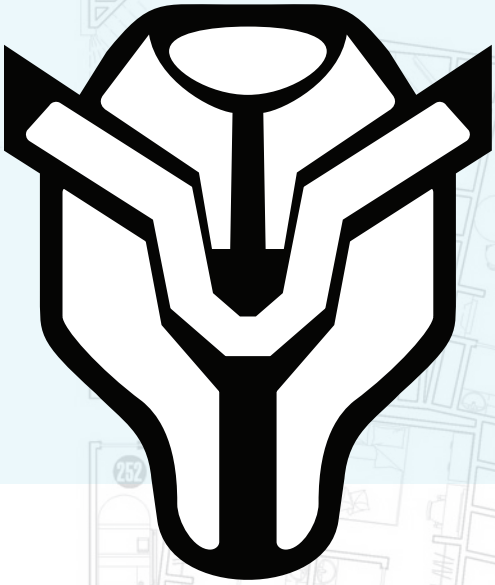


A supplement for use with
STAR TREK®
THE ROLE PLAYING GAME

2204S - Tzenkethi

STARSHIP CONSTRUCTION MANUAL

TZENKETHI COALITION

fasa

COMPUTER CONTROL SYSTEM TYPES

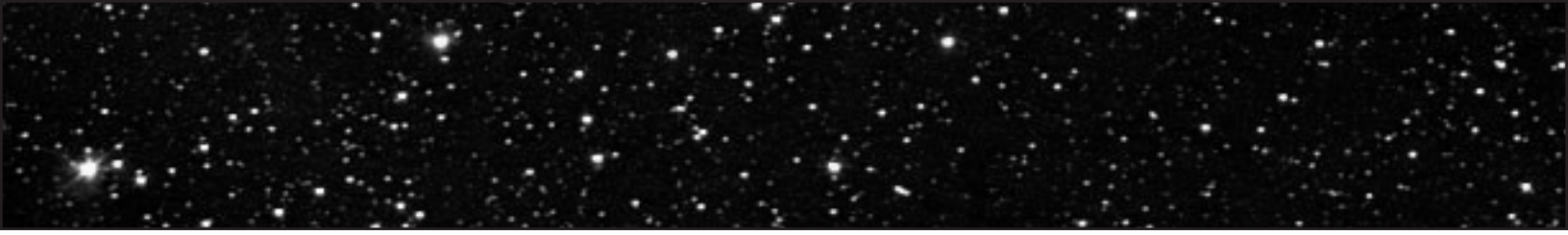
Control Computer Type	System Mass (mt)	Approrpiate Ship Classes	SS Requirement	Maximum WDF Allowed	Availability	Cost (MCr)	Year
TZC-A1	60	I-IV	0.1	2	RRR/92	3	2239
TZC-A2	220	II-VI	0.3	6	RRR/81	8	2246
TZC-A3	430	III-XII	0.5	12	RRR/64	16	2251
TZC-B1	1,300	II-XIV	0.9	35	RRR/48	44	2243
TZC-B2	1,850	III-VII	1	48	III/43	61	2257
TZC-C1	3,130	IV-XI	1.2	60	III/36	76	2255
TZC-C2	4,300	V-VIII	2.1	95	III/30	119	2303
TZC-D1	4,700	IV-XVI	1.7	105	III/29	132	2266
TZC-E1	3,800	VI-XII	1.9	80	III/31	101	2276
TZC-E2	4,500	VI-IX	2.8	125	III/18	157	2290
TZC-E3	5,400	VII-IX	3.4	150	III/16	188	2314
TZC-F1	4,900	VII-XIV	3.3	138	III/17	173	2274
TZC-G1	6,100	VIII-XVII	4.1	170	III/15	213	2281
TZC-G2	5,800	VII-XIII	3	160	III/20	201	2289
TZC-G3	6,400	VIII-XX	3.1	180	III/12	225	2297
TZC-G4	7,600	IX-XVIII	3.4	215	III/9	269	2309
TZC-H1	9,950	XI-XIX	6.4	280	III/6	350	2306
TZC-I1	11,900	XII-XX	5.8	335	III/3	419	2329
TZC-J1	12,800	XIII-XX	8.9	360	III/2	450	2348
TZC-J2	14,600	XIV-XX	8.1	410	III/1	513	2360
TZC-K1	17,800	XV-XX	11.3	505	III/1	784	2370

WARP ENGINE TYPES
Single Nacelle Use

Warp Engine Type	Total Mass (mt)	Power Units Available	Control Computer Required	Stress Column (Eng/SS)	SS Requirememnt	Availability	Cost (MCr)	Year
TZWA-1	4,200	4	TZC-A1	E/F	1.7	III/21	7.2	2224
TZWA-2	4,200	6	TZC-A2	E/F	1.7	III/20	8.4	2237
TZWA-3	4,200	8	TZC-A2	E/F	1.7	III/16	9.2	2241
TZWA-4	4,200	10	TZC-A3	E/F	1.7	III/15	10.3	2250
TZWB-1	16,500	8	TZC-A3	G/H	1.9	III/17	33	2233
TZWB-2	16,500	12	TZC-A3	G/H	1.9	III/14	46	2241
TZWC-1	22,500	11	TZC-A3	F/H	3.2	III/15	41	2244
TZWC-2	22,500	15	TZC-A3	F/H	3.2	III/12	51	2248
TZWC-3	22,500	17	TZC-A3	F/H	3.2	III/10	53	2251
TZWD-1	31,000	14	TZC-B1	D/E	2.9	III/13	39	2249
TZWD-2	31,000	18	TZC-C1	D/E	2.9	III/12	58	2253
TZWE-1	40,000	16	TZC-A3	F/G	3.1	III/10	48	2250
TZWE-2	40,000	20	TZC-B1	F/G	3.1	III/9	61	2256
TZWF-1	51,000	18	TZC-B1	E/G	3.3	III/10	64	2252
TZWF-2	51,000	24	TZC-B1	E/G	3.3	III/5	89	2264
TZWF-3	51,000	30	TZC-C1	E/G	3.3	III/3	92	2276
TZWG-1	68,000	22	TZC-B1	G/H	3.1	III/10	85	2258
TZWG-2	68,000	25	TZC-B2	G/H	3.1	III/8	93	2263
TZWH-1	77,500	30	TZC-B1	F/H	5.5	III/4	97	2265
TZWH-2	77,500	34	TZC-C1	F/H	5.5	III/4	102	2280
TZWH-3	77,500	38	TZC-C1	F/H	5.5	III/3	118	2299
TZWH-4	77,500	42	TZC-C2	F/H	5.5	III/2	150	2326
TZWI-1	100,000	32	TZC-C2	H/I	4.9	III/3	125	2289
TZWI-2	100,000	40	TZC-C2	H/I	4.9	III/2	147	2318
TZWJ-1	83,000	28	TZC-C1	F/G	5.2	III/5	104	2303
TZWJ-2	83,000	36	TZC-C1	F/G	5.2	III/4	125	2336
TZWK-1	108,000	44	TZC-C2	D/F	6.6	III/2	933	2322
TZWK-2	108,000	48	TZC-C2	D/F	6.6	III/2	865	2353
TZWL-1	156,000	60	TZC-C2	E/F	9.8	III/1	988	2346
TZWL-2	156,000	68	TZC-C2	E/F	9.8	III/1	1,050	2362

WARP ENGINE TYPES
Tandem Nacelle Use

Warp Engine Type	Total Mass (mt)	Power Units Available	Control Computer Required	Stress Column (Eng/SS)	SS Requirememnt	Availability	Cost (MCr)	Year
TZWA-1	8,400	4 ea.	TZC-A2	E/F	3.4	III/21	16	2224
TZWA-2	8,400	6 ea.	TZC-A3	E/F	3.4	III/20	19	2237
TZWA-3	8,400	8 ea.	TZC-A3	E/F	3.4	III/16	21	2241
TZWA-4	8,400	10 ea.	TZC-A3	E/F	3.4	III/15	23	2250
TZWB-1	33,000	8 ea.	TZC-A3	G/H	3.8	III/17	73	2233
TZWB-2	33,000	12 ea.	TZC-B1	G/H	3.8	III/14	102	2241
TZWC-1	45,000	11 ea.	TZC-B1	F/H	6.4	III/15	91	2244
TZWC-2	45,000	15 ea.	TZC-B1	F/H	6.4	III/12	113	2248
TZWC-3	45,000	17 ea.	TZC-B1	F/H	6.4	III/10	117	2251
TZWD-1	62,000	14 ea.	TZC-B1	D/E	5.8	III/13	86	2249
TZWD-2	62,000	18 ea.	TZC-C2	D/E	5.8	III/12	128	2253
TZWE-1	80,000	16 ea.	TZC-B2	F/G	6.2	III/10	106	2250
TZWE-2	80,000	20 ea.	TZC-C2	F/G	6.2	III/9	135	2256
TZWF-1	102,000	18 ea.	TZC-B2	E/G	6.6	III/10	141	2252
TZWF-2	102,000	24 ea.	TZC-C2	E/G	6.6	III/5	196	2264
TZWF-3	102,000	30 ea.	TZC-C2	E/G	6.6	III/3	203	2276
TZWG-1	136,000	22 ea.	TZC-C2	G/H	6.2	III/10	187	2258
TZWG-2	136,000	25 ea.	TZC-C2	G/H	6.2	III/8	205	2263
TZWH-1	155,000	30 ea.	TZC-C1	F/H	11	III/4	214	2265
TZWH-2	155,000	34 ea.	TZC-C2	F/H	11	III/4	225	2280
TZWH-3	155,000	38 ea.	TZC-E3	F/H	11	III/3	260	2299
TZWH-4	155,000	43 ea.	TZC-E3	F/H	11	III/2	330	2326
TZWI-1	200,000	32 ea.	TZC-D1	H/I	9.8	III/3	275	2289
TZWI-2	200,000	41 ea.	TZC-E3	H/I	9.8	III/2	324	2318
TZWJ-1	166,000	28 ea.	TZC-E2	F/G	10.4	III/5	229	2303
TZWJ-2	166,000	36 ea.	TZC-E3	F/G	10.4	III/4	275	2336
TZWK-1	216,000	45 ea.	TZC-G1	D/F	13.2	III/2	2,053	2322
TZWK-2	216,000	49 ea.	TZC-G3	D/F	13.2	III/2	1,903	2353
TZWL-1	312,000	61 ea.	TZC-G4	E/F	19.6	III/1	2,174	2346
TZWL-2	312,000	69 ea.	TZC-H1	E/F	19.6	III/1	2,310	2362



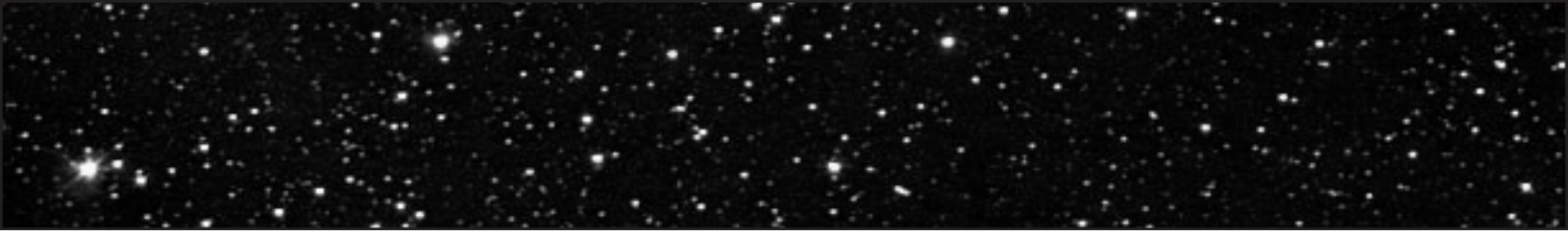
MOVEMENT POINT RATIO TABLE: SINGLE WARP ENGINE

Movement Point Ratios

Ship Class	1/2	1/1	2/1		3/1			4/1			5/1			6/1		7/1
I	**TZWA-1** *11.5* 6/8															
II		**TZWA-1** *5.5* 6/7 **TZWA-2** *8.5* 7/8	**TZWA-3** *6* 6/8													
III		**TZWA-1** *5.5* 6/7 **TZWA-2** *8.5* 7/8	**TZWA-2** *4* 6/8 **TZWC-1** *8* 8/9	**TZWC-2** *11* 8/9	**TZWA-3** *4* 6/7 **TZWA-4** *5* 7/8	**TZWB-2** *5.5* 7/8										
IV			**TZWA-1** *3* 5/6 **TZWA-2** *4* 6/8 **TZWC-1** *8* 8/9	**TZWC-2** *11* 8/9 **TZWC-3** *12* 8/9	**TZWA-3** *4* 6/7 **TZWA-4** *5* 7/8	**TZWB-1** *4* 7/8 **TZWB-2** *5.5* 7/8	**TZWC-1** *5* 7/9 **TZWC-2** *7* 7/9	**TZWA-3** *3* 5/7 **TZWA-4** *3.5* 6/8	**TZWD-1** *5* 7/9							
V					**TZWB-1** *4* 7/8 **TZWC-1** *5* 7/9	**TZWC-2** *7* 7/9 **TZWC-3** *8* 7/9		**TZWA-3** *3* 5/7 **TZWA-4** *3.5* 6/8	**TZWB-1** *3* 6/8 **TZWB-2** *4* 6/7	**TZWD-1** *5* 7/9 **TZWE-2** *7* 7/8	**TZWD-2** *5* 7/9					
VI					**TZWC-1** *5* 7/9 **TZWC-3** *8* 7/9	**TZWE-1** *7.5* 7/8 **TZWF-1** *8.5* 6/8	**TZWF-3** *14* 6/8	**TZWA-4** *3.5* 6/8 **TZWB-1** *3* 6/8	**TZWB-2** *4* 6/7 **TZWC-2** *5* 7/8		**TZWD-1** *4* 7/8 **TZWD-2** *5* 7/9	**TZWE-2** *5.5* 6/8				
VII					**TZWC-3** *8* 7/9 **TZWF-1** *8.5* 6/8	**TZWF-3** *14* 6/8 **TZWG-1** *10* 7/8	**TZWG-2** *12* 7/8	**TZWC-1** *4* 7/8 **TZWC-2** *5* 7/8	**TZWC-3** *6* 7/8 **TZWE-1** *5.5* 6/8	**TZWF-2** *8.5* 6/8	**TZWA-4** *3* 6/7 **TZWC-1** *3* 6/8	**TZWD-1** *4* 7/8 **TZWD-2** *5* 7/9	**TZWE-2** *5.5* 6/8	**TZWD-2** *4* 7/8 **TZWE-2** *5* 6/7		
VIII					**TZWF-1** *8.5* 6/8 **TZWF-3** *14* 6/8 **TZWG-1** *10* 7/8	**TZWG-2** *12* 7/8		**TZWE-1** *5.5* 6/8 **TZWF-1** *6.5* 6/7 **TZWF-2** *8.5* 6/8	**TZWF-3** *11* 6/7 **TZWG-1** *8* 6/8 **TZWH-1** *11* 7/8	**TZWH-2** *12* 7/8 **TZWH-3** *13.5* 7/8	**TZWC-3** *5* 6/8 **TZWE-1** *4.5* 6/7 **TZWE-2** *5.5* 6/8	**TZWH-1** *8.5* 6/8		**TZWD-1** *3.5* 6/8 **TZWD-2** *4* 7/8 **TZWE-2** *5* 6/7		
IX					**TZWF-3** *14* 6/8 **TZWG-1** *10* 7/8			**TZWF-1** *6.5* 6/7 **TZWF-2** *8.5* 6/8 **TZWF-3** *11* 6/7	**TZWG-1** *8* 6/8 **TZWG-2** *9* 6/8 **TZWH-1** *11* 7/8	**TZWH-2** *12* 7/8 **TZWH-3** *13.5* 7/8 **TZWH-4** *15* 7/8	**TZWE-1** *4.5* 6/7 **TZWH-1** *8.5* 6/8 **TZWH-2** *10* 6/8			**TZWD-1** *3.5* 6/8 **TZWD-2** *4* 7/8 **TZWE-1** *4* 5/7	**TZWE-2** *5* 6/7	**TZWD-2** *3.5* 6/8
X					**TZWF-3** *14* 6/8			**TZWF-2** *8.5* 6/8 **TZWF-3** *11* 6/7 **TZWG-1** *8* 6/8	**TZWG-2** *9* 6/8 **TZWH-1** *11* 7/8 **TZWH-2** *12* 7/8	**TZWH-4** *15* 7/8	**TZWF-1** *5* 5/7 **TZWF-2** *7* 6/7 **TZWF-3** *8.5* 5/7	**TZWG-1** *6* 6/7 **TZWH-1** *8.5* 6/8 **TZWH-2** *10* 6/8	**TZWH-3** *11* 6/8 **TZWH-4** *12* 6/8	**TZWE-1** *4* 5/7 **TZWE-2** *5* 6/7 **TZWF-1** *4* 5/6		**TZWD-2** *3.5* 6/8
XI								**TZWF-2** *8.5* 6/8 **TZWF-3** *11* 6/7 **TZWG-2** *9* 6/8	**TZWH-1** *11* 7/8 **TZWH-4** *15* 7/8		**TZWF-1** *5* 5/7 **TZWF-2** *7* 6/7 **TZWF-3** *8.5* 5/7	**TZWG-1** *6* 6/7 **TZWG-2** *7* 6/7 **TZWH-1** *8.5* 6/8	**TZWH-2** *10* 6/8 **TZWH-3** *11* 6/8 **TZWH-4** *12* 6/8	**TZWE-2** *5* 6/7 **TZWF-1** *4* 5/6 **TZWG-1** *5* 5/7	**TZWH-1** *7* 6/7 **TZWH-3** *9* 6/7	

MOVEMENT POINT RATIO TABLE: SINGLE WARP ENGINE

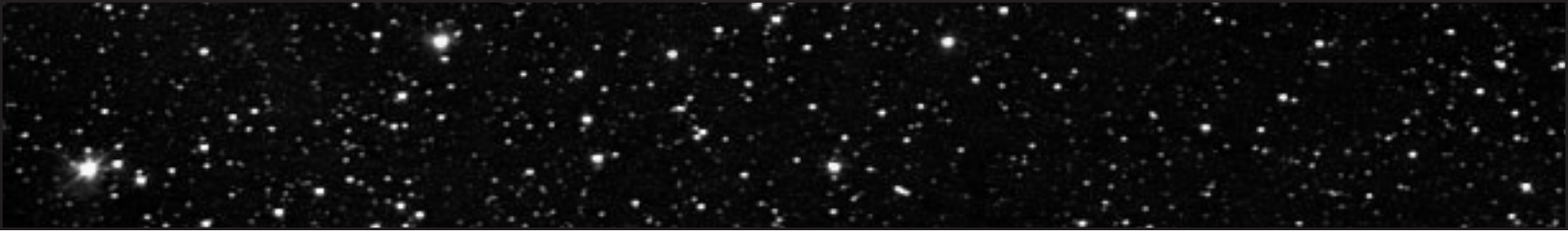
Ship Class	Movement Point Ratios									
	5/1		6/1			7/1			8/1	
XII	**TZWF-2** *7* 6/7 **TZWG-1** *6* 6/7 **TZWG-2** *7* 6/7	**TZWH-1** *8.5* 6/8 **TZWH-2** *10* 6/8 **TZWH-4** *12* 6/8	**TZWF-1** *4* 5/6 **TZWF-2** *6* 5/7 **TZWF-3** *7* 5/6	**TZWG-1** *5* 5/7 **TZWH-1** *7* 6/7 **TZWH-3** *9* 6/7	**TZWH-4** *10* 6/7	**TZWH-1** *6* 5/7 **TZWH-3** *8* 5/7				
XIII	**TZWG-2** *7* 6/7 **TZWH-1** *8.5* 6/8	**TZWH-2** *10* 6/8 **TZWH-4** *12* 6/8	**TZWG-1** *5* 5/7 **TZWG-2** *6* 5/7	**TZWH-1** *7* 6/7 **TZWH-2** *8* 6/7	**TZWH-4** *10* 6/7	**TZWH-1** *6* 5/7 **TZWH-3** *8* 5/7				
XIV	**TZWH-2** *10* 6/8 **TZWH-4** *12* 6/8		**TZWG-1** *5* 5/7 **TZWG-2** *6* 5/7	**TZWH-1** *7* 6/7 **TZWH-2** *8* 6/7	**TZWH-4** *10* 6/7	**TZWH-1** *6* 5/7 **TZWH-3** *8* 5/7			**TZWH-1** *5.5* 5/6 **TZWH-3** *7* 5/6	
XV	**TZWH-4** *12* 6/8		**TZWH-1** *7* 6/7	**TZWH-2** *8* 6/7	**TZWH-4** *10* 6/7	**TZWH-1** *6* 5/7	**TZWH-2** *7* 5/7	**TZWH-4** *8.5* 5/7	**TZWH-1** *5.5* 5/6	**TZWH-3** *7* 5/6
XVI			**TZWH-4** *10* 6/7			**TZWH-1** *6* 5/7 **TZWH-2** *7* 5/7	**TZWH-4** *8.5* 5/7		**TZWH-1** *5.5* 5/6 **TZWH-2** *6* 5/6	**TZWH-3** *7* 5/6 **TZWH-4** *7.5* 5/6
XVII						**TZWH-4** *8.5* 5/7				



MOVEMENT POINT RATIO TABLE: TANDEM WARP ENGINES

Movement Point Ratios

Ship Class	1/2	1/1	2/1		3/1			4/1			5/1			6/1
II	**TZWA-1** *23* 4/5	**TZWA-2** *17* 5/6 **TZWA-3** *23* 6/7	**TZWA-4** *14* 6/8											
III	**TZWA-1** *23* 4/5	**TZWA-1** *11.5* 3/5	**TZWA-2** *8.5* 4/6	**TZWA-3** *11.5* 5/7	**TZWA-4** *9* 6/7									
IV			**TZWA-1** *6* 3/4 **TZWA-2** *8.5* 4/6	**TZWA-3** *11.5* 5/7	**TZWA-2** *5.5* 4/5			**TZWA-4** *7* 5/7						
V			**TZWB-1** *11.5* 6/7 **TZWB-2** *17* 6/7	**TZWC-1** *15.5* 7/8	**TZWA-1** *4* 2/4 **TZWA-2** *5.5* 4/5	**TZWA-3** *7.5* 5/6 **TZWC-2** *14* 7/8	**TZWC-3** *16* 7/8							
VI			**TZWB-1** *11.5* 6/7 **TZWB-2** *17* 6/7	**TZWC-1** *15.5* 7/8 **TZWD-1** *20* 7/8	**TZWA-1** *4* 2/4 **TZWA-3** *7.5* 5/6	**TZWB-1** *7.5* 5/7 **TZWC-2** *14* 7/8	**TZWC-3** *16* 7/8 **TZWD-2** *17* 7/8							
VII			**TZWB-2** *17* 6/7 **TZWC-1** *15.5* 7/8	**TZWD-1** *20* 7/8	**TZWB-1** *7.5* 5/7 **TZWB-2** *11.5* 5/7	**TZWC-2** *14* 7/8 **TZWC-3** *16* 7/8	**TZWD-2** *17* 7/8							
VIII			**TZWC-1** *15.5* 7/8 **TZWD-1** *20* 7/8		**TZWB-1** *7.5* 5/7 **TZWB-2** *11.5* 5/7	**TZWC-2** *14* 7/8 **TZWC-3** *16* 7/8	**TZWD-2** *17* 7/8 **TZWE-1** *15* 8/9	**TZWE-2** *14* 8/9						
IX					**TZWC-1** *10* 6/8 **TZWD-1** *13.5* 6/8	**TZWD-2** *17* 7/8 **TZWE-1** *15* 8/9	**TZWF-1** *17* 7/9	**TZWB-1** *5.5* 5/6 **TZWB-2** *8.5* 5/6	**TZWC-2** *11* 6/8 **TZWC-3** *12* 6/8	**TZWE-2** *14* 8/9 **TZWF-2** *17* 7/9	**TZWF-3** *17* 7/9			
X					**TZWC-1** *10* 6/8 **TZWD-1** *13.5* 6/8 **TZWE-1** *15* 8/9	**TZWF-1** *17* 7/9		**TZWB-1** *5.5* 5/6 **TZWB-2** *8.5* 5/6 **TZWC-2** *11* 6/8	**TZWC-3** *12* 6/8 **TZWD-2** *13* 6/8 **TZWE-1** *11.5* 7/9	**TZWE-2** *14* 8/9 **TZWF-1** *13* 7/8 **TZWF-2** *17* 7/9	**TZWF-3** *17* 7/9			
XI								**TZWB-2** *8.5* 5/6 **TZWC-1** *8* 6/7 **TZWC-2** *11* 6/8 **TZWC-3** *12* 6/8	**TZWD-1** *10* 6/7 **TZWD-2** *13* 6/8 **TZWE-1** *11.5* 7/9 **TZWE-2** *14* 8/9	**TZWF-1** *13* 7/8 **TZWF-2** *17* 7/9 **TZWG-1** *16* 8/9 **TZWG-2** *18* 8/9	**TZWB-1** *4.5* 4/6 **TZWF-1** *10* 6/8 **TZWF-3** *17* 7/9			
XII								**TZWD-1** *10* 6/7 **TZWD-2** *13* 6/8 **TZWE-1** *11.5* 7/9	**TZWG-1** *16* 8/9 **TZWG-2** *18* 8/9		**TZWB-2** *7* 4/6 **TZWC-2** *8.5* 6/7 **TZWC-3** *10* 6/7	**TZWE-2** *11.5* 7/9 **TZWF-1** *10* 6/8 **TZWF-2** *14* 7/8	**TZWF-3** *17* 7/9 **TZWG-2** *14* 7/9 **TZWJ-1** *16* 8/10	**TZWF-3** *14* 7/8 **TZWJ-2** *17* 8/10
XIII								**TZWD-1** *10* 6/7 **TZWE-1** *11.5* 7/9			**TZWD-2** *10* 6/7 **TZWE-2** *11.5* 7/9 **TZWF-1** *10* 6/8	**TZWF-2** *14* 7/8 **TZWF-3** *17* 7/9 **TZWG-1** *12.5* 7/9	**TZWG-2** *14* 7/9 **TZWJ-1** *16* 8/10	**TZWF-3** *14* 7/8 **TZWG-2** *12* 7/8 **TZWJ-2** *17* 8/10



MOVEMENT POINT RATIO TABLE: TANDEM WARP ENGINES

Movement Point Ratios

Ship Class	4/1	5/1		6/1		7/1		8/1		9/1		10/1	11/1	12/1	13/1	14/1
XIV	**TZWE-1** *11.5* 7/9	**TZWD-2** *10* 6/7 **TZWF-1** *10* 6/8 **TZWF-2** *14* 7/8 **TZWG-1** *12.5* 7/9	**TZWG-2** *14* 7/9 **TZWH-1** *17* 7/9 **TZWJ-1** *16* 8/10	**TZWE-2** *9.5* 7/8 **TZWF-3** *14* 7/8 **TZWG-2** *12* 7/8 **TZWH-2** *16* 7/9	**TZWI-1** *15* 8/9 **TZWJ-1** *13.5* 8/9	**TZWH-3** *15.5* 7/9 **TZWH-4** *17.5* 7/9 **TZWI-2** *17* 8/9 **TZWJ-2** *14.5* 8/9		**TZWK-1** *16* 9/10 **TZWK-2** *17.5* 9/10								
XV		**TZWE-1** *9* 7/8 **TZWF-1** *10* 6/8 **TZWG-1** *12.5* 7/9 **TZWH-1** *17* 7/9		**TZWE-2** *9.5* 7/8 **TZWF-1** *8.5* 6/7 **TZWF-2** *11.5* 6/8 **TZWF-3** *14* 7/8	**TZWG-2** *12* 7/8 **TZWH-1** *14* 7/8 **TZWH-2** *16* 7/9 **TZWI-1** *15* 8/9	**TZWH-3** *15.5* 7/9 **TZWI-1** *13* 7/9 **TZWI-2** *17* 8/9 **TZWJ-1** *11.5* 7/9	**TZWJ-2** *14.5* 8/9	**TZWH-3** *13.5* 7/8 **TZWH-4** *15.5* 7/8 **TZWK-1** *16* 9/10 **TZWK-2** *17.5* 9/10		**TZWK-2** *15.5* 8/10		**TZWL-1** *17.5* 8/9				
XVI		**TZWF-1** *10* 6/8 **TZWG-1** *12.5* 7/9		**TZWF-1** *8.5* 6/7 **TZWF-2** *11.5* 6/8 **TZWF-3** *14* 7/8	**TZWG-2** *12* 7/8 **TZWH-1** *14* 7/8	**TZWF-3** *12* 6/8 **TZWH-1** *12* 6/8 **TZWH-2** *14* 7/8	**TZWI-1** *13* 7/9 **TZWI-2** *17* 8/9 **TZWJ-1** *11.5* 7/9	**TZWH-2** *12* 6/8 **TZWH-3** *13.5* 7/8 **TZWH-4** *15.5* 7/8	**TZWJ-1** *10* 7/8 **TZWJ-2** *13* 7/9 **TZWK-1** *16* 9/10	**TZWH-3** *12* 6/8 **TZWK-2** *15.5* 8/10		**TZWK-2** *14* 8/9 **TZWL-1** *17.5* 8/9	**TZWL-1** *16* 7/9	**TZWL-2** *16.5* 8/9	**TZWL-2** *15* 7/9	
XVII		**TZWG-1** *12.5* 7/9		**TZWF-1** *8.5* 6/7 **TZWG-2** *12* 7/8		**TZWF-2** *10* 6/7 **TZWF-3** *12* 6/8 **TZWG-2** *10* 6/8	**TZWH-1** *12* 6/8 **TZWI-1** *13* 7/9 **TZWI-2** *17* 8/9	**TZWH-1** *11* 6/7 **TZWH-2** *12* 6/8 **TZWH-3** *13.5* 7/8	**TZWI-2** *14.5* 7/9 **TZWJ-1** *10* 7/8 **TZWJ-2** *13* 7/9	**TZWH-3** *12* 6/8 **TZWH-4** *13.5* 6/8 **TZWK-1** *14* 8/10		**TZWH-3** *11* 6/7 **TZWK-2** *14* 8/9 **TZWL-1** *17.5* 8/9	**TZWK-2** *13* 7/9 **TZWL-1** *16* 7/9	**TZWL-2** *16.5* 8/9	**TZWL-2** *15* 7/9	
XVIII				**TZWF-1** *8.5* 6/7 **TZWG-1** *10.5* 7/8 **TZWG-2** *12* 7/8		**TZWG-2** *10* 6/8		**TZWH-1** *11* 6/7 **TZWH-2** *12* 6/8 **TZWI-1** *11.5* 7/8	**TZWI-2** *14.5* 7/9 **TZWJ-1** *10* 7/8 **TZWJ-2** *13* 7/9	**TZWH-2** *11* 6/7 **TZWH-3** *12* 6/8 **TZWH-4** *13.5* 6/8		**TZWH-3** *11* 6/7 **TZWH-4** *12* 6/7 **TZWK-1** *13* 8/9	**TZWK-2** *13* 7/9 **TZWL-1** *16* 7/9		**TZWL-2** *15* 7/9	**TZWL-2** *14* 7/8
XIX						**TZWG-2** *10* 6/8				**TZWH-2** *11* 6/7 **TZWH-3** *12* 6/8 **TZWI-2** *13* 7/8	**TZWJ-1** *9* 6/8 **TZWJ-2** *11.5* 7/8	**TZWH-3** *11* 6/7 **TZWH-4** *12* 6/7	**TZWK-1** *11.5* 7/9 **TZWK-2** *13* 7/9 **TZWL-1** *16* 7/9	**TZWK-1** *11* 7/8 **TZWK-2** *11.5* 7/8 **TZWL-1** *14.5* 7/8	**TZWL-2** *15* 7/9	**TZWL-2** *14* 7/8
XX						**TZWG-2** *10* 6/8				**TZWH-2** *11* 6/7 **TZWJ-2** *11.5* 7/8		**TZWH-3** *11* 6/7 **TZWH-4** *12* 6/7		**TZWK-2** *11.5* 7/8 **TZWL-1** *14.5* 7/8		**TZWL-2** *14* 7/8

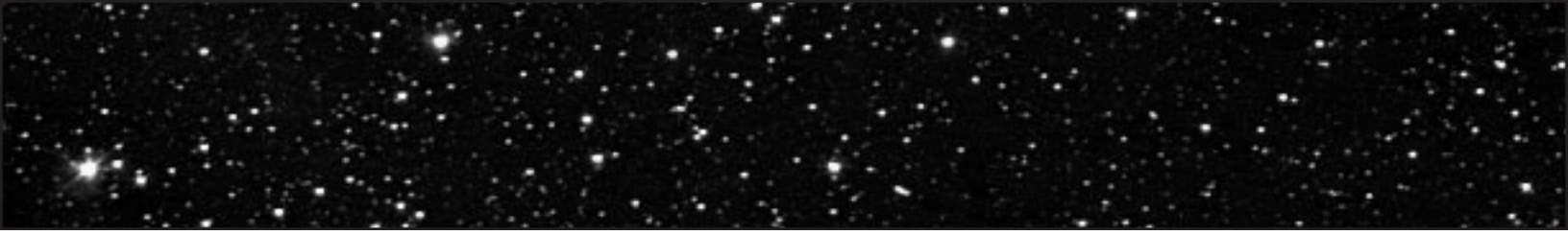
IMPULSE ENGINE TYPES

Impulse Engine Type	Total Mass (mt)	Power Units Available	Control Computer Required	Ship Classes Powered	SS Requirememnt	Availability	Cost (MCr)	Year
TZIA-1	151	2	TZC-A1	II/IV	0.1	III/25	4	2225
TZIA-2	151	3	TZC-B1	II/V	0.1	III/16	7	2234
TZIA-3	151	4	TZC-B1	III/VII	0.1	III/12	8	2243
TZIB-1	228	3	TZC-B1	II/III	0.1	III/16	7	2236
TZIB-2	228	5	TZC-B1	III/IV	0.1	III/10	10	2240
TZIB-3	228	7	TZC-B1	IV/VII	0.1	III/7	11	2249
TZIC-1	304	2	TZC-A1	II/III	0.1	III/25	5	2239
TZIC-2	304	4	TZC-B1	III/V	0.1	III/12	9	2243
TZIC-3	304	7	TZC-B1	IV/VI	0.1	III/7	10	2250
TZID-1	377	3	TZC-A1	II/IV	0.1	III/16	6	2242
TZID-2	377	5	TZC-B1	III/VI	0.1	III/10	8	2253
TZID-3	377	9	TZC-B1	V/VIII	0.1	III/5	13	2264
TZIE-1	381	5	TZC-B1	III/VII	0.1	III/10	12	2254
TZIE-2	381	9	TZC-B1	V/IX	0.1	III/5	16	2261
TZIE-3	381	15	TZC-C1	VI/XIV	0.1	III/3	24	2267
TZIF-1	983	13	TZC-C1	VI/XIII	0.1	III/3	23	2260
TZIF-2	983	17	TZC-C1	VII/XIX	0.1	III/3	25	2275
TZIF-3	983	21	TZC-C1	VIII/XVI	0.1	III/3	40	2284
TZIF-4	983	23	TZC-C1	VIII/XVI	0.1	III/2	42	2293
TZIG-1	1,342	31	TZC-C1	X/XIX	0.1	III/1	52	2273
TZIG-2	1,342	39	TZC-D1	XII/XX	0.1	III/1	73	2300
TZIH-1	2,053	27	TZC-C1	IX/XVII	0.1	III/1	58	2288
TZIH-2	2,053	35	TZC-D1	XI/XIV	0.1	III/1	66	2324
TZII-1	3,172	42	TZC-D1	XII/XIV	0.1	III/1	69	2303
TZII-2	3,172	54	TZC-F1	XIV/XX	0.1	III/1	126	2342
TZIJ-1	2,124	28	TZC-C1	IX/XII	0.1	III/1	55	2319
TZIK-1	4,676	62	TZC-F1	XIV/XIX	0.1	III/1	95	2334

MOVEMENT POINT RATIO TABLE: IMPULSE ENGINES

Movement Point Ratios

Ship Class	1/2		1/1		2/1		3/1		4/1		5/1		6/1		7/1
I	TZIA-1 *8.5*														
II	TZIA-1 *8.5* TZIA-2 *12.5* TZIB-1 *12.5*	TZIC-1 *8.5* TZID-1 *12.5*	TZIA-1 *5.5* TZIA-2 *8.5* TZIB-1 *8.5*	TZIC-1 *5.5* TZID-1 *8.5*	TZIA-1 *3* TZIB-1 *4* TZIC-1 *3*	TZID-1 *4*									
III	TZIA-1 *8.5* TZIA-2 *12.5* TZIA-3 *17* TZIB-1 *12.5* TZIC-1 *8.5*	TZIC-2 *17* TZID-1 *12.5*	TZIA-1 *5.5* TZIA-2 *8.5* TZIA-3 *11.5* TZIB-1 *8.5* TZIB-2 *14*	TZIC-1 *5.5* TZIC-2 *11.5* TZID-1 *8.5* TZID-2 *14* TZIE-1 *14*	TZIA-1 *3* TZIA-2 *4* TZIA-3 *5.5* TZIB-1 *4* TZIB-2 *7*	TZIC-1 *3* TZIC-2 *5.5* TZID-1 *4* TZID-2 *7* TZIE-1 *7*	TZIA-1 *1.5* TZIA-2 *2* TZIB-1 *2* TZIC-1 *1.5* TZIC-2 *3*	TZID-1 *2* TZIE-1 *3.5*							
IV					TZIA-1 *3* TZIA-2 *4* TZIA-3 *5.5* TZIB-2 *7* TZIB-3 *10*	TZIC-2 *5.5* TZID-1 *4* TZID-2 *7* TZIE-1 *7*	TZIA-1 *1.5* TZIA-2 *2* TZIA-3 *3* TZIB-2 *3.5* TZIB-3 *5*	TZIC-2 *3* TZIC-3 *5* TZID-1 *2* TZID-2 *3.5* TZIE-1 *3.5*	TZIA-2 *1.5* TZIA-3 *2* TZIB-2 *2.5* TZIB-3 *3.5* TZIC-2 *2*	TZIC-3 *3.5* TZID-1 *1.5* TZID-2 *2.5* TZIE-1 *2.5*					
V					TZIA-2 *4* TZIA-3 *5.5* TZIB-3 *10* TZIC-2 *5.5* TZID-2 *7*	TZID-3 *13* TZIE-1 *7* TZIE-2 *13*	TZIA-2 *2* TZIA-3 *3* TZIB-3 *5* TZIC-2 *3* TZIC-3 *5*	TZID-2 *3.5* TZID-3 *6.5* TZIE-1 *3.5* TZIE-2 *6.5*	TZIA-2 *1.5* TZIA-3 *2* TZIB-3 *3.5* TZIC-2 *2* TZIC-3 *3.5*	TZID-2 *2.5* TZID-3 *4.5* TZIE-1 *2.5* TZIE-2 *4.5*	TZIA-2 *1* TZIC-2 *1.5* TZIC-3 *2.5* TZID-3 *3* TZIE-1 *2*	TZIE-2 *3*			
VI					TZIB-3 *10* TZID-2 *7* TZID-3 *13* TZIE-2 *13* TZIF-1 *18.5*		TZIA-3 *3* TZIB-3 *5* TZIC-3 *5* TZID-2 *3.5* TZID-3 *6.5*	TZIE-1 *3.5* TZIE-2 *6.5* TZIE-3 *11* TZIF-1 *9*	TZIA-3 *2* TZIB-3 *3.5* TZIC-3 *3.5* TZID-2 *2.5* TZID-3 *4.5*	TZIE-1 *2.5* TZIE-2 *4.5* TZIE-3 *7* TZIF-1 *6*	TZIA-3 *1.5* TZIB-3 *2.5* TZIC-3 *2.5* TZID-2 *2* TZID-3 *3*	TZIE-1 *2* TZIE-2 *3* TZIF-1 *4.5*			
VII					TZIF-1 *18.5* TZIF-2 *24*		TZIA-3 *3* TZIB-3 *5* TZID-3 *6.5* TZIE-2 *6.5*	TZIE-3 *11* TZIF-1 *9* TZIF-2 *12*	TZIA-3 *2* TZIB-3 *3.5* TZID-3 *4.5* TZIE-1 *2.5*	TZIE-2 *4.5* TZIE-3 *7* TZIF-1 *6* TZIF-2 *8*	TZIA-3 *1.5* TZIB-3 *2.5* TZID-3 *3* TZIE-1 *2*	TZIE-2 *3* TZIE-3 *5* TZIF-1 *4.5* TZIF-2 *6*	TZIA-3 *1* TZIB-3 *2* TZIE-1 *1.5* TZIE-2 *2.5*		
VIII					TZID-3 *13* TZIF-2 *24*		TZID-3 *6.5* TZIE-2 *6.5* TZIE-3 *11* TZIF-1 *9*	TZIF-2 *12* TZIF-3 *15*	TZID-3 *4.5* TZIE-1 *2.5* TZIE-2 *4.5* TZIE-3 *7*	TZIF-1 *6* TZIF-2 *8* TZIF-3 *10* TZIF-4 *11*	TZID-3 *3* TZIE-1 *2* TZIE-2 *3* TZIE-3 *5*	TZIF-1 *4.5* TZIF-2 *6* TZIF-3 *7.5* TZIF-4 *8*	TZIE-1 *1.5* TZIE-2 *2.5* TZIE-3 *4* TZIF-1 *4*	TZIF-2 *5* TZIF-3 *6* TZIF-4 *6.5*	
IX							TZIE-3 *11* TZIF-1 *9* TZIF-2 *12* TZIF-3 *15* TZIF-4 *16.5*	TZIJ-1 *20*	TZIE-1 *2.5* TZIE-2 *4.5* TZIE-3 *7* TZIF-1 *6* TZIF-2 *8*	TZIF-3 *10* TZIF-4 *11* TZIH-1 *13* TZIJ-1 *13.5*	TZIE-1 *2* TZIE-2 *3* TZIE-3 *5* TZIF-1 *4.5* TZIF-2 *6*	TZIF-3 *7.5* TZIF-4 *8* TZIH-1 *9.5* TZIJ-1 *10*	TZIE-1 *1.5* TZIE-2 *2.5* TZIE-3 *4* TZIF-1 *4* TZIF-2 *5*	TZIF-3 *6* TZIF-4 *6.5* TZIH-1 *8* TZIJ-1 *8*	TZIE-2 *2* TZIF-4 *5.5*
X							TZIE-3 *11* TZIF-2 *12* TZIF-4 *16.5* TZIJ-1 *20*		TZIE-1 *2.5* TZIE-2 *4.5* TZIE-3 *7* TZIF-1 *6* TZIF-2 *8*	TZIF-3 *10* TZIF-4 *11* TZIG-1 *15* TZIH-1 *13* TZIJ-1 *13.5*	TZIE-1 *2* TZIE-2 *3* TZIE-3 *5* TZIF-1 *4.5* TZIF-2 *6*	TZIF-3 *7.5* TZIF-4 *8* TZIG-1 *11* TZIH-1 *9.5* TZIJ-1 *10*	TZIE-1 *1.5* TZIE-2 *2.5* TZIE-3 *4* TZIF-1 *4* TZIF-2 *5*	TZIF-3 *6* TZIF-4 *6.5* TZIG-1 *9* TZIH-1 *8* TZIJ-1 *8*	TZIE-2 *2* TZIF-1 *3* TZIF-2 *4* TZIF-4 *5.5*
XI									TZIE-1 *2.5* TZIE-2 *4.5* TZIE-3 *7* TZIF-2 *8* TZIF-3 *10*	TZIF-4 *11* TZIG-1 *15* TZIH-1 *13* TZIH-2 *16.5* TZIJ-1 *13.5*	TZIE-1 *2* TZIE-2 *3* TZIE-3 *5* TZIF-2 *6* TZIF-3 *7.5*	TZIF-4 *8* TZIG-1 *11* TZIH-1 *9.5* TZIH-2 *12.5* TZIJ-1 *10*	TZIE-1 *1.5* TZIE-2 *2.5* TZIE-3 *4* TZIF-2 *5* TZIF-3 *6*	TZIF-4 *6.5* TZIG-1 *9* TZIH-1 *8* TZIJ-1 *8*	TZIE-2 *2*



MOVEMENT POINT RATIO TABLE: IMPULSE ENGINES

Movement Point Ratios

Ship Class	4/1		5/1		6/1		7/1		8/1	9/1	10/1	11/1	12/1	13/1	14/1
XII	TZIE-3 *7* TZIF-3 *10* TZIF-4 *11* TZIG-1 *15* TZIG-2 *18.5*	TZIH-1 *13* TZIH-2 *16.5*	TZIE-3 *5* TZIF-3 *7.5* TZIF-4 *8* TZIG-1 *11* TZIG-2 *14*	TZIH-1 *9.5* TZIH-2 *12.5* TZII-1 *15* TZIJ-1 *10*	TZIE-3 *4* TZIF-3 *6* TZIF-4 *6.5* TZIG-1 *9* TZIG-2 *11*	TZIH-1 *8* TZIH-2 *10* TZII-1 *12* TZIJ-1 *8*	TZIE-3 *3.5* TZIF-4 *5.5* TZIH-1 *6.5*								
XIII	TZIE-3 *7* TZIF-3 *10* TZIF-4 *11* TZIG-1 *15* TZIG-2 *18.5*		TZIE-3 *5* TZIF-3 *7.5* TZIF-4 *8* TZIG-1 *11* TZIG-2 *14*	TZIH-1 *9.5* TZIH-2 *12.5* TZII-1 *15* TZIJ-1 *10*	TZIE-3 *4* TZIF-3 *6* TZIF-4 *6.5* TZIG-1 *9* TZIG-2 *11*	TZIH-1 *8* TZIH-2 *10* TZII-1 *12* TZIJ-1 *8*	TZIE-3 *3.5* TZIF-3 *5* TZIF-4 *5.5* TZIG-1 *7.5* TZIG-2 *9*	TZIH-1 *6.5* TZIH-2 *8.5* TZII-1 *10* TZIJ-1 *6.5*							
XIV	TZIE-3 *7* TZIF-3 *10*		TZIE-3 *5* TZIF-3 *7.5* TZIF-4 *8* TZIG-1 *11* TZIH-1 *9.5*	TZIH-2 *12.5* TZII-1 *15* TZII-2 *19* TZIK-1 *22*	TZIE-3 *4* TZIF-3 *6* TZIF-4 *6.5* TZIG-1 *9* TZIG-2 *11* TZIH-1 *8*	TZIH-2 *10* TZII-1 *12* TZII-2 *15.5*	TZIE-3 *3.5* TZIF-3 *5* TZIF-4 *5.5* TZIG-1 *7.5* TZIG-2 *9* TZIH-1 *6.5*	TZIH-2 *8.5* TZII-1 *10* TZII-2 *13*	TZIE-3 *3* TZIF-3 *4* TZIF-4 *4.5* TZIG-2 *8* TZIH-2 *7* TZII-1 *8.5*						
XV			TZIF-3 *7.5* TZIG-1 *11* TZIH-1 *9.5* TZII-2 *19*		TZIF-3 *6* TZIG-1 *9* TZIH-1 *8* TZII-2 *15.5*	TZIK-1 *18*	TZIF-3 *5* TZIF-4 *5.5* TZIG-1 *7.5* TZIG-2 *9*	TZIH-1 *6.5* TZII-2 *13*	TZIF-3 *4* TZIF-4 *4.5* TZIG-1 *6.5* TZIG-2 *8*	TZIF-4 *4* TZIG-1 *5.5* TZIG-2 *7*	TZIF-4 *3.5* TZIG-2 *6*				
XVI			TZIF-3 *7.5* TZIG-2 *14* TZIH-1 *9.5*		TZIF-3 *6* TZIG-1 *9* TZIG-2 *11* TZIH-1 *8* TZII-2 *15.5* TZIK-1 *18*		TZIF-3 *5* TZIG-1 *7.5* TZIG-2 *9* TZIH-1 *6.5* TZII-2 *13* TZIK-1 *15*		TZIF-3 *4* TZIG-1 *6.5* TZIG-2 *8* TZIH-1 *5.5* TZII-2 *11* TZIK-1 *12.5*	TZIF-3 *4* TZIF-4 *4* TZIG-1 *5.5* TZIG-2 *7* TZIH-1 *5* TZII-2 *9.5*	TZIF-4 *3.5* TZIG-1 *5* TZIH-1 *4* TZII-2 *8.5*	TZIF-4 *3* TZIG-1 *4.5*	TZIF-4 *3*	TZIF-4 *3*	
XVII					TZIG-2 *11* TZII-2 *15.5* TZIK-1 *18*		TZIG-2 *9* TZIH-1 *6.5* TZII-2 *13* TZIK-1 *15*		TZIG-2 *8* TZIH-1 *5.5* TZII-2 *11* TZIK-1 *12.5*	TZIG-1 *5.5* TZIG-2 *7* TZIH-1 *5* TZII-2 *9.5*	TZIG-1 *5* TZIG-2 *6* TZIH-1 *4* TZII-2 *8.5*	TZIG-1 *4.5* TZIH-1 *4*	TZIG-1 *4* TZIH-1 *3.5*	TZIG-1 *3.5*	
XVIII					TZIG-2 *11* TZII-2 *15.5*		TZIG-2 *9* TZII-2 *13*		TZIG-2 *8* TZII-2 *11*	TZIG-2 *7* TZII-2 *9.5* TZIK-1 *11*	TZIG-1 *5* TZIG-2 *6* TZII-2 *8.5* TZIK-1 *10*	TZIG-1 *4.5* TZIG-2 *5.5* TZII-2 *8* TZIK-1 *9*	TZIG-1 *4* TZIK-1 *8*	TZIG-1 *3.5* TZIK-1 *7.5*	TZIG-1 *3.5* TZIK-1 *7*
XIX							TZIG-2 *9* TZII-2 *13*		TZIG-2 *8* TZII-2 *11*	TZIG-2 *7* TZII-2 *9.5* TZIK-1 *11*	TZIG-1 *5* TZIG-2 *6* TZII-2 *8.5* TZIK-1 *10*	TZIG-1 *4.5* TZIG-2 *5.5* TZII-2 *8* TZIK-1 *9*	TZIG-1 *4* TZIG-2 *5* TZIK-1 *8*	TZIG-1 *3.5* TZIG-2 *4.5* TZIK-1 *7.5*	TZIG-1 *3.5* TZIK-1 *7*
XX							TZII-2 *13*		TZII-2 *11*	TZIG-2 *7* TZII-2 *9.5*	TZIG-2 *6* TZII-2 *8.5*	TZIG-2 *5.5* TZII-2 *8*	TZIG-2 *5*	TZIG-2 *4.5*	TZIG-2 *4*

SHIELD GENERATOR TYPES

Shield Generator Type	Total Mass (mt)	Control Computer Requirement	Shield Efficiency Rating	SS Requirememnt	Availability	Cost (MCr)	Year
TZSA	172	TZC-A1	1	2.5	III/34	15	2239
TZSB	401	TZC-A2	1	2.8	III/29	18	2243
TZSC	262	TZC-A3	2	1.8	III/17	7	2245
TZSD	471	TZC-B1	1	3.2	III/25	21	2246
TZSE	196	TZC-B1	2	0.9	III/18	9	2247
TZSF	240	TZC-B1	2	2.1	III/15	11	2249
TZSG	295	TZC-B1	2	2	III/14	13	2250
TZSH	600	TZC-B1	1	4.1	III/19	26	2250
TZSI	262	TZC-B2	2	2	III/15	12	2257
TZSJ	196	TZC-C1	3	1.7	III/5	5	2258
TZSK	324	TZC-B2	2	1.6	III/13	14	2259
TZSL	227	TZC-E1	3	1.6	III/9	6	2260
TZSM	165	TZC-E1	3	1.4	III/7	8	2262
TZSN	177	TZC-D1	3	1.3	III/6	8	2264
TZSO	369	TZC-C1	2	2.9	III/13	16	2264
TZSP	430	TZC-E1	2	2.5	III/12	19	2265
TZSQ	486	TZC-D1	2	2.6	III/12	21	2268
TZSR	597	TZC-D1	3	1	III/5	9	2268
TZSS	256	TZC-E1	3	1.3	III/7	7	2268
TZST	278	TZC-D1	3	1.3	III/6	8	2270
TZSU	427	TZC-F1	3	1.8	III/5	10	2273
TZSV	194	TZC-C1	4	1.6	III/2	4	2279
TZSW	303	TZC-D1	3	1.6	III/5	9	2279
TZSX	230	TZC-C2	4	0.9	III/4	6	2280
TZSY	323	TZC-F1	3	1.4	III/6	10	2282
TZSZ	393	TZC-C2	4	1.1	III/2	6	2282
TZSNA	564	TZC-D1	4	1	III/1	7	2284
TZSNB	397	TZC-F1	3	1.8	III/6	11	2287
TZSNC	438	TZC-F1	3	1.5	III/5	11	2288
TZSND	494	TZC-G1	3	1.9	III/4	13	2290
TZSNE	836	TZC-F1	2	4.5	III/9	28	2294
TZSNF	797	TZC-D1	2	3.6	III/3	22	2295
TZSNG	750	TZC-H1	2	3.8	III/3	32	2300
TZSNH	529	TZC-G1	3	2.2	III/4	14	2301
TZSNI	627	TZC-G3	3	2.3	III/4	18	2304
TZSNJ	800	TZC-H1	3	3.9	III/3	22	2312
TZSNK	439	TZC-G1	4	1.9	III/5	11	2314
TZSNL	395	TZC-G3	4	2.1	III/4	13	2322
TZSNM	763	TZC-H1	3	3.7	III/2	24	2337
TZSNN	593	TZC-G4	4	2	III/3	17	2339
TZSNO	670	TZC-G4	4	1.9	III/3	16	2341
TZSNP	989	TZC-H1	3	2.8	III/3	21	2346
TZSNQ	1,479	TZC-H1	4	4	III/3	21	2358

MAXIMUM SHIELD POWER
Shield Types/Shield Point Ratios

Ship Class	1/1				1/2											
	TZSA	TZSB	TZSD	TZSH	TZSC	TZSE	TZSF	TZSG	TZSI	TZSK	TZSO	TZSP	TZSQ	TZSNE	TZSNF	TZSNG
I	10	12	14	18	10	12	14	18	16	20	22	26	30	38	30	46
	14.5	*17*	*20*	*25.5*	*7*	*8.5*	*10*	*12.5*	*11*	*14*	*15.5*	*18.5*	*21*	*27*	*21*	*32.5*
II	10	12	14	18	10	12	14	18	16	20	22	26	30	38	30	46
	14.5	*17*	*20*	*25.5*	*7*	*8.5*	*10*	*12.5*	*11*	*14*	*15.5*	*18.5*	*21*	*27*	*21*	*32.5*
III	10	12	14	18	10	12	14	18	16	20	22	26	30	38	30	46
	14.5	*17*	*20*	*25.5*	*7*	*8.5*	*10*	*12.5*	*11*	*14*	*15.5*	*18.5*	*21*	*27*	*21*	*32.5*
IV	10	12	14	18	10	12	14	18	16	20	22	26	30	38	30	46
	14.5	*17*	*20*	*25.5*	*7*	*8.5*	*10*	*12.5*	*11*	*14*	*15.5*	*18.5*	*21*	*27*	*21*	*32.5*
V	10	12	14	18	10	12	14	18	16	20	22	26	30	38	30	46
	14.5	*17*	*20*	*25.5*	*7*	*8.5*	*10*	*12.5*	*11*	*14*	*15.5*	*18.5*	*21*	*27*	*21*	*32.5*
VI	10	12	14	18	10	12	14	18	16	20	22	26	30	38	30	46
	14.5	*17*	*20*	*25.5*	*7*	*8.5*	*10*	*12.5*	*11*	*14*	*15.5*	*18.5*	*21*	*27*	*21*	*32.5*
VII	10	12	13	16	10	12	14	18	16	20	22	26	30	38	30	46
	14.5	*17*	*18.5*	*23*	*7*	*8.5*	*10*	*12.5*	*11*	*14*	*15.5*	*18.5*	*21*	*27*	*21*	*32.5*
VIII	8	10	13	16	8	12	14	18	16	20	22	26	30	38	30	46
	11.8	*14.5*	*18.5*	*23*	*6*	*8.5*	*10*	*12.5*	*11*	*14*	*15.5*	*18.5*	*21*	*27*	*21*	*32.5*
IX	8	10	13	16	8	12	14	18	16	20	22	26	30	38	30	46
	11.8	*14.5*	*18.5*	*23*	*6*	*8.5*	*10*	*12.5*	*11*	*14*	*15.5*	*18.5*	*21*	*27*	*21*	*32.5*
X	8	10	13	16	8	12	14	18	16	20	22	26	30	38	30	46
	11.8	*14.5*	*18.5*	*23*	*6*	*8.5*	*10*	*12.5*	*11*	*14*	*15.5*	*18.5*	*21*	*27*	*21*	*32.5*
XI	8	10	13	16	8	10	14	18	16	20	22	26	30	38	30	46
	11.8	*14.5*	*18.5*	*23*	*6*	*7*	*10*	*12.5*	*11*	*14*	*15.5*	*18.5*	*21*	*27*	*21*	*32.5*
XII	6	10	13	15	6	10	14	18	16	20	22	26	30	38	30	46
	8.5	14.5	18.5	21.5	4	7	10	12.5	11	14	15.5	18.5	21	27	21	32.5
XIII	6	10	12	15	6	10	14	18	16	20	22	26	30	38	30	46
	8.5	14.5	17	21.5	4	7	10	12.5	11	14	15.5	18.5	21	27	21	32.5
XIV	6	8	12	15	6	10	12	18	16	20	22	26	30	38	30	46
	8.5	11.8	17	21.5	4	7	8.5	12.5	11	14	15.5	18.5	21	27	21	32.5
XV	6	8	12	15	6	10	12	18	16	20	22	26	30	38	30	46
	8.5	11.8	17	21.5	4	7	8.5	12.5	11	14	15.5	18.5	21	27	21	32.5
XVI	6	8	12	15	6	10	12	16	14	20	22	26	30	38	28	46
	8.5	11.8	17	21.5	4	7	8.5	11	10	14	15.5	18.5	21	27	20	32.5
XVII	-	8	12	13	-	-	12	16	14	18	20	24	30	38	28	46
	-	11.8	17	18.5	-	-	8.5	11	10	12.5	14	17	21	27	20	32.5
XVIII	-	6	11	13	-	-	10	16	14	18	20	24	28	36	26	44
	-	8.5	15.5	18.5	-	-	7	11	10	12.5	14	17	20	26	18.5	31.5
XIX	-	6	11	13	-	-	10	14	12	16	18	24	28	34	26	44
	-	8.5	15.5	18.5	-	-	7	10	8.5	11	12.5	17	20	24	18.5	31.5
XX	-	-	11	12	-	-	10	12	12	16	18	22	26	32	26	42
	-	-	15.5	17	-	-	7	8.5	8.5	11	12.5	15.5	18.5	23	18.5	30

TZENKETHI COALITION

MAXIMUM SHIELD POWER
Shield Types/Shield Point Ratios

Ship Class	1/3																		1/4								
	TZSJ	TZSL	TZSM	TZSN	TZSR	TZSS	TZST	TZSU	TZSW	TZSY	TZSNB	TZSNC	TZSND	TZSNH	TZSNI	TZSNJ	TZSNM	TZSNP	TZSV	TZSX	TZSZ	TZSNA	TZSNK	TZSNL	TZSNN	TZSNO	TZSNQ
I	9	12	15	16	18	14	16	20	18	20	21	24	27	30	39	45	51	46	12	16	16	20	28	36	48	46	56
	4	*5.5*	*7*	*7.5*	*8.5*	*6.5*	*7.5*	*9.5*	*8.5*	*9.5*	*10*	*11*	*12.5*	*14*	*18.5*	*21*	*24*	*21.5*	*4*	*5.5*	*5.5*	*7*	*10*	*12.5*	*17*	*16*	*20*
II	9	12	15	16	18	14	16	20	18	20	21	24	27	30	39	45	51	46	12	16	16	20	28	36	48	46	56
	4	*5.5*	*7*	*7.5*	*8.5*	*6.5*	*7.5*	*9.5*	*8.5*	*9.5*	*10*	*11*	*12.5*	*14*	*18.5*	*21*	*24*	*21.5*	*4*	*5.5*	*5.5*	*7*	*10*	*12.5*	*17*	*16*	*20*
III	9	12	15	16	18	14	16	20	18	20	21	24	27	30	39	45	51	46	12	16	16	20	28	36	48	46	56
	4	*5.5*	*7*	*7.5*	*8.5*	*6.5*	*7.5*	*9.5*	*8.5*	*9.5*	*10*	*11*	*12.5*	*14*	*18.5*	*21*	*24*	*21.5*	*4*	*5.5*	*5.5*	*7*	*10*	*12.5*	*17*	*16*	*20*
IV	9	12	15	16	18	14	16	20	18	20	21	24	27	30	39	45	51	46	12	16	16	20	28	36	48	46	56
	4	*5.5*	*7*	*7.5*	*8.5*	*6.5*	*7.5*	*9.5*	*8.5*	*9.5*	*10*	*11*	*12.5*	*14*	*18.5*	*21*	*24*	*21.5*	*4*	*5.5*	*5.5*	*7*	*10*	*12.5*	*17*	*16*	*20*
V	9	12	15	16	18	14	16	20	18	20	21	24	27	30	39	45	51	46	12	16	16	20	28	36	48	46	56
	4	*5.5*	*7*	*7.5*	*8.5*	*6.5*	*7.5*	*9.5*	*8.5*	*9.5*	*10*	*11*	*12.5*	*14*	*18.5*	*21*	*24*	*21.5*	*4*	*5.5*	*5.5*	*7*	*10*	*12.5*	*17*	*16*	*20*
VI	9	12	15	16	18	14	16	20	18	20	21	24	27	30	39	45	51	46	12	16	16	20	28	36	48	46	56
	4	*5.5*	*7*	*7.5*	*8.5*	*6.5*	*7.5*	*9.5*	*8.5*	*9.5*	*10*	*11*	*12.5*	*14*	*18.5*	*21*	*24*	*21.5*	*4*	*5.5*	*5.5*	*7*	*10*	*12.5*	*17*	*16*	*20*
VII	9	12	15	16	18	14	16	20	18	20	21	24	27	30	39	45	51	46	12	16	16	20	28	36	48	46	56
	4	*5.5*	*7*	*7.5*	*8.5*	*6.5*	*7.5*	*9.5*	*8.5*	*9.5*	*10*	*11*	*12.5*	*14*	*18.5*	*21*	*24*	*21.5*	*4*	*5.5*	*5.5*	*7*	*10*	*12.5*	*17*	*16*	*20*
VIII	9	12	15	16	18	14	16	20	18	20	21	24	27	30	39	45	51	46	12	16	16	20	28	36	48	46	56
	4	*5.5*	*7*	*7.5*	*8.5*	*6.5*	*7.5*	*9.5*	*8.5*	*9.5*	*10*	*11*	*12.5*	*14*	*18.5*	*21*	*24*	*21.5*	*4*	*5.5*	*5.5*	*7*	*10*	*12.5*	*17*	*16*	*20*
IX	8	10	14	15	17	14	15	20	18	20	21	24	27	30	39	45	51	46	12	16	16	20	28	36	48	46	56
	4	*5*	*6.5*	*7*	*8*	*6.5*	*7*	*9.5*	*8.5*	*9.5*	*10*	*11*	*12.5*	*14*	*18.5*	*21*	*24*	*21.5*	*4*	*5.5*	*5.5*	*7*	*10*	*12.5*	*17*	*16*	*20*
X	8	10	14	15	17	14	15	20	18	20	21	24	27	30	39	45	51	46	12	16	16	20	28	36	48	46	56
	4	*5*	*6.5*	*7*	*8*	*6.5*	*7*	*9.5*	*8.5*	*9.5*	*10*	*11*	*12.5*	*14*	*18.5*	*21*	*24*	*21.5*	*4*	*5.5*	*5.5*	*7*	*10*	*12.5*	*17*	*16*	*20*
XI	8	10	14	15	17	14	15	20	18	20	21	24	27	30	39	45	51	46	12	16	16	20	28	36	48	46	56
	4	*5*	*6.5*	*7*	*8*	*6.5*	*7*	*9.5*	*8.5*	*9.5*	*10*	*11*	*12.5*	*14*	*18.5*	*21*	*24*	*21.5*	*4*	*5.5*	*5.5*	*7*	*10*	*12.5*	*17*	*16*	*20*
XII	8	10	14	15	17	14	15	20	18	20	21	24	27	30	39	45	51	46	12	16	16	20	28	36	48	46	56
	4	*5*	*6.5*	*7*	*8*	*6.5*	*7*	*9.5*	*8.5*	*9.5*	*10*	*11*	*12.5*	*14*	*18.5*	*21*	*24*	*21.5*	*4*	*5.5*	*5.5*	*7*	*10*	*12.5*	*17*	*16*	*20*
XIII	8	10	14	14	17	14	15	20	18	20	20	24	27	30	39	45	51	46	12	16	16	20	28	36	48	46	56
	4	*5*	*6.5*	*6.5*	*8*	*6.5*	*7*	*9.5*	*8.5*	*9.5*	*9.5*	*11*	*12.5*	*14*	*18.5*	*21*	*24*	*21.5*	*4*	*5.5*	*5.5*	*7*	*10*	*12.5*	*17*	*16*	*20*
XIV	8	10	12	14	16	14	15	18	18	20	20	22	27	30	38	43	49	46	12	16	16	20	28	36	48	46	56
	4	*5*	*5.5*	*6.5*	*7.5*	*6.5*	*7*	*8.5*	*8.5*	*9.5*	*9.5*	*10.5*	*12.5*	*14*	*18*	*20.5*	*23.5*	*21.5*	*4*	*5.5*	*5.5*	*7*	*10*	*12.5*	*17*	*16*	*20*
XV	8	10	12	14	16	14	15	18	18	20	20	22	27	30	38	43	49	46	12	16	16	20	28	36	48	46	56
	4	*5*	*5.5*	*6.5*	*7.5*	*6.5*	*7*	*8.5*	*8.5*	*9.5*	*9.5*	*10.5*	*12.5*	*14*	*18*	*20.5*	*23.5*	*21.5*	*4*	*5.5*	*5.5*	*7*	*10*	*12.5*	*17*	*16*	*20*
XVI	8	10	12	13	16	13	14	16	18	20	20	22	27	30	38	43	49	46	10	15	16	19	27	35	48	46	56
	4	*5*	*5.5*	*6*	*7.5*	*6*	*6.5*	*7.5*	*8.5*	*9.5*	*9.5*	*10.5*	*12.5*	*14*	*18*	*20.5*	*23.5*	*21.5*	*3.5*	*5.5*	*5.5*	*7*	*9.5*	*12.5*	*17*	*16*	*20*
XVII	7	8	12	13	16	13	14	16	18	20	20	22	27	30	38	43	49	46	10	15	16	19	26	35	46	46	56
	3.5	*4*	*5.5*	*6*	*7.5*	*6*	*6.5*	*7.5*	*8.5*	*9.5*	*9.5*	*10.5*	*12.5*	*14*	*18*	*20.5*	*23.5*	*21.5*	*3.5*	*5.5*	*5.5*	*7*	*9*	*12.5*	*16.5*	*16*	*20*
XVIII	7	8	10	13	15	13	14	16	18	19	20	22	25	28	38	43	49	46	10	15	15	18	24	35	46	46	56
	3.5	*4*	*5*	*6*	*7*	*6*	*6.5*	*7.5*	*8.5*	*9*	*9.5*	*10.5*	*12*	*13.5*	*18*	*20.5*	*23.5*	*21.5*	*3.5*	*5.5*	*5.5*	*6.5*	*8.5*	*12.5*	*16.5*	*16*	*20*
XIX	7	8	10	12	15	13	14	16	16	19	20	22	25	28	36	43	47	45	10	15	15	18	24	34	46	44	54
	3.5	*4*	*5*	*5.5*	*7*	*6*	*6.5*	*7.5*	*7.5*	*9*	*9.5*	*10.5*	*12*	*13.5*	*17*	*20.5*	*22.5*	*21*	*3.5*	*5.5*	*5.5*	*6.5*	*8.5*	*12*	*16.5*	*16*	*19*
XX	7	8	10	12	14	13	14	16	16	19	20	22	25	28	36	43	47	43	10	14	15	17	24	32	44	42	52
	3.5	*4*	*5*	*5.5*	*6.5*	*6*	*6.5*	*7.5*	*7.5*	*9*	*9.5*	*10.5*	*12*	*13.5*	*17*	*20.5*	*22.5*	*20.5*	*3.5*	*5*	*5.5*	*6*	*8.5*	*11.5*	*16*	*15*	*18.5*

TZENKETHI COALITION

PHASER BEAM WEAPON TYPES

Phaser Weapon Type	Total Mass (mt)	Maximum Beam Power	Damage Modifiers +3	+2	+1	Maximum Range (Hex)	Firing Chart	Weapon Damaging Factor	SS Requirements (single / bank)	Availability	Cost (MCr)	Year
TZH-1	265	2	(1-4)	(5-7)	(8-10)	10	H	1.3	0.5 / 1	III/99	39	2228
TZH-2	360	3	(1-8)	(9-13)	(14-18)	18	P	2.9	0.6 / 1.2	III/96	59	2237
TZH-3	480	6	(1-5)	(6-11)	(12-15)	16	R	4.8	0.8 / 1.6	III/83	117	2242
TZH-4	600	5	(1-5)	(6-16)	(17-18)	18	T	4.7	1 / 2	III/70	98	2245
TZH-5	410	4	(1-5)	(6-10)	(11-16)	16	S	3.8	0.8 / 1.6	III/75	78	2252
TZH-6	485	4	(1-6)	(7-12)	(13-20)	20	U	4	0.9 / 1.8	III/52	78	2256
TZH-7	590	7	(1-10)	(11-19)	(20-21)	21	V	6.6	1.5 / 3	III/27	137	2258
TZH-8	515	6	(1-6)	(7-12)	(13-16)	16	R	5	0.9 / 1.8	III/18	117	2260
TZH-9	520	8	(1-12)	(13-16)	(17-22)	22	X	8.1	1 / 2	III/16	157	2262
TZH-10	405	9	(1-5)	(6-16)	(17-18)	18	T	7.3	1.1 / 2.2	III/15	176	2266
TZH-11	390	6	-	(1-3)	(4-20)	20	W	5.5	1.4 / 2.8	III/13	117	2269
TZH-12	542	12	(1-5)	(6-11)	(12-15)	16	R	8.6	1.7 / 3.4	III/9	234	2274
TZH-13	450	10	(1-5)	(6-10)	(11-16)	16	S	7.7	1.4 / 2.8	III/5	195	2276
TZH-14	560	9	-	(1-11)	(12-20)	20	W	8.1	1.2 / 2.4	III/5	176	2279
TZH-15	780	14	(1-13)	(14-17)	(18-20)	24	Y	14.2	2 / 4	III/3	274	2287
TZH-16	740	16	(1-6)	(7-12)	(13-20)	20	U	12.1	2.1 / 4.2	III/3	313	2289
TZH-17	695	12	(1-6)	(7-12)	(13-20)	20	U	9.4	2.2 / 4.4	III/4	235	2290
TZH-18	688	18	(1-10)	(11-19)	(20-21)	21	V	14.4	2 / 4	III/3	352	2295
TZH-19	800	20	(1-6)	(7-12)	(13-20)	20	U	14.8	2.3 / 4.6	III/3	391	2297
TZH-20	880	22	(1-5)	(6-16)	(17-18)	18	T	15.9	3.1 / 6.2	III/3	430	2301
TZH-21	1,105	25	(1-2)	(3-7)	(8-18)	22	X	20.8	3.2 / 6.4	III/3	490	2304
TZH-22	788	15	-	(1-10)	(11-18)	20	W	12.6	1.5 / 3	III/3	294	2310
TZH-23	1,320	30	(1-5)	(6-16)	(17-18)	18	T	21.2	3.7 / 7.4	III/2	586	2317
TZH-24	550	13	(1-5)	(6-16)	(17-18)	18	T	10	1.4 / 2.8	III/3	254	2319
TZH-25	1,200	24	(1-14)	(15-16)	(17-24)	24	Y	23.3	3 / 6	III/2	470	2333
TZH-26	1,495	35	(1-5)	(6-14)	(15-20)	20	W	28.9	4.4 / 8.8	III/1	685	2348
TZH-27	1,140	28	(1-10)	(11-19)	(20-21)	21	V	21.5	3.8 / 7.6	III/1	548	2349
TZH-28	1,880	38	(1-6)	(7-12)	(13-20)	20	U	27	5.7 / 11.4	III/1	743	2357
TZH-29	580	10	(1-13)	(14-17)	(18-20)	24	Y	10.7	1.9 / 3.8	III/5	196	2359
TZH-30	1,490	30	(1-13)	(14-17)	(18-20)	24	Y	28.5	4.2 / 8.4	III/1	588	2363

PHOTON TORPEDO WEAPON TYPES

Missile Weapon Type	Mass (mt)	Power to Arm	Damage	Range	Firing Chart	WDF	SS	Availability	Cost (MCr)	Year
TZP-1	128	1	6	10	G	1.6	0.9	III/83	31	2233
TZP-2	145	1	6	15	K	2.5	1	III/81	34	2239
TZP-3	239	1	8	12	L	3.5	0.9	III/63	67	2242
TZP-4	260	1	10	10	H	3.2	1	III/50	52	2254
TZP-5	306	1	10	16	R	5.9	1.3	III/42	79	2262
TZP-6	264	1	8	18	P	4.3	1.2	III/63	95	2264
TZP-7	204	1	6	16	S	3.7	1.1	III/80	42	2267
TZP-8	185	1	12	14	Q	6.5	1.7	III/42	72	2269
TZP-9	104	1	14	16	R	8.3	1.1	III/36	80	2276
TZP-10	152	1	16	16	R	9.5	2	III/31	103	2281
TZP-11	226	1	20	18	P	10.9	1.9	III/25	131	2284
TZP-12	228	1	15	18	T	9.5	1.7	III/33	91	2296
TZP-13	384	2	20	18	T	12.7	2.3	III/25	124	2303
TZP-14	349	2	25	16	S	15.6	1.9	III/20	162	2319
TZP-15	393	2	22	16	R	13	1.6	III/23	145	2333
TZP-16	431	2	30	16	R	17.8	2.7	III/17	197	2342
TZP-17	524	2	36	16	R	21.4	3.4	III/14	210	2360
TZP-18	743	2	40	16	S	25	6	III/13	231	2372

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