Tech name (Cost)
Requires Trans-Newtonian Technology
Conventional Start
Trans-Newtonian Start
Sensors and Fire Control
Beam Fire Control Distance Rating
Beam Fire Control Range 10,000 km (1000)
Beam Fire Control Range 16,000 km (2000)
Beam Fire Control Range 24,000 km (4000)
Beam Fire Control Range 32,000 km (8000)
Beam Fire Control Range 40,000 km (16,000)
Beam Fire Control Range 48,000 km (30,000)
Beam Fire Control Range 60,000 km (60,000)
Beam Fire Control Range 75,000 km (125,000)
Beam Fire Control Range 100,000 km (250,000)
Beam Fire Control Range 125,000 km (500,000)
Beam Fire Control Range 150,000 km (1,000,000)
Beam Fire Control Range 175,000 km (2,000,000)
Fire Control Speed Rating
Fire Control Speed Rating 1250 km/s (1000)
Fire Control Speed Rating 2000 km/s (2000)
Fire Control Speed Rating 3000 km/s (4000)
Fire Control Speed Rating 4000 km/s (8000)
Fire Control Speed Rating 5000 km/s (16,000)
Fire Control Speed Rating 6250 km/s (30,000)
Fire Control Speed Rating 8000 km/s (60,000)
Fire Control Speed Rating 10,000 km/s (125,000)
Fire Control Speed Rating 12,500 km/s (250,000)
Fire Control Speed Rating 15,000 km/s (500,000)
Fire Control Speed Rating 20,000 km/s (1,000,000)
Fire Control Speed Rating 25,000 km/s (2,000,000)
Fire Control Size vs Range
Normal Size Normal Range (1)
Fire Controll.5x Size 1.5x Range (2)
Fire Control 2x Size 2x Range (4)
Fire Control 3x Size 3x Range (5)
Fire Control 4x Size 4x Range (6)
Fire Control 50% Size 50% Range (6)
Fire Control 34% Size 34% Range (7)
Fire Control 25% Size 25% Range (8)
Fire Control Size vs Tracking Speed
Normal Size Normal Speed (1)
Fire Control 50% Size 50% Speed (3)
Fire Controll.25x Size1.25xSpeed (2)
Fire Controll.5x Size1.5x Speed (3)
Fire Control 2x Size 2x Speed (3)
Fire Control 3x Size 3x Speed (4)
Fire Control 4x Size 4x Speed (5)
Max Tracking Time Bonus
Max Tracking Time Bonus vs Missiles 0% (1000)
Max Tracking Time Bonus vs Missiles 20% (4000)
Max Tracking Time Bonus vs Missiles 40% (12,000)
Max Tracking Time Bonus vs Missiles 60% (40,000)
Max Tracking Time Bonus vs Missiles 80% (120,000)
Max Tracking Time Bonus vs Missiles 100% (400,000)
Thermal Sensor Sensitivity
Thermal Sensor Sensitivity 5 (1000)
Thermal Sensor Sensitivity 6 (2000)
Thermal Sensor Sensitivity 8 (4000)
Thermal Sensor Sensitivity 11 (8000)
Thermal Sensor Sensitivity 14 (15,000)
Thermal Sensor Sensitivity 18 (30,000)
Thermal Sensor Sensitivity 24 (60,000)
Thermal Sensor Sensitivity 32 (120,000)
Thermal Sensor Sensitivity 40 (250,000)
Thermal Sensor Sensitivity 50 (500,000)
Thermal Sensor Sensitivity 60 (1,000,000)
Thermal Sensor Sensitivity 75 (2,000,000)
EM Sensor Sensitivity
EM Sensor Sensitivity 5 (1000)
EM Sensor Sensitivity 6 (2000)
EM Sensor Sensitivity 8 (4000)
EM Sensor Sensitivity 11 (8000)
EM Sensor Sensitivity 14 (15,000)
EM Sensor Sensitivity 18 (30,000)
EM Sensor Sensitivity 24 (60,000)
EM Sensor Sensitivity 32 (120,000)
EM Sensor Sensitivity 40 (250,000)
EM Sensor Sensitivity 50 (500,000)
EM Sensor Sensitivity 60 (1,000,000)
EM Sensor Sensitivity 75 (2,000,000)
Active Sensor Strength
ActiveGrav Sensor Strength 10 (1000)
ActiveGrav Sensor Strength 12 (2000)
ActiveGrav Sensor Strength 16 (4000)
ActiveGrav Sensor Strength 21 (8000)
ActiveGrav Sensor Strength 28 (15,000)
ActiveGrav Sensor Strength 36 (30,000)
ActiveGrav Sensor Strength 48 (60,000)
ActiveGrav Sensor Strength 60 (125,000)
ActiveGrav Sensor Strength 80 (250,000)
ActiveGrav Sensor Strength 100 (500,000)
ActiveGrav Sensor Strength 135 (1,000,000)
ActiveGrav Sensor Strength 180 (2,000,000)
Improved Planetary Sensor Strength
Planetary Sensor Strength 250 (1000)
Planetary Sensor Strength 300 (2000)
Planetary Sensor Strength 400 (5000)
Planetary Sensor Strength 550 (10,000)
Planetary Sensor Strength 700 (20,000)
Planetary Sensor Strength 900 (40,000)
Planetary Sensor Strength 1200 (80,000)
Planetary Sensor Strength 1600 (150,000)
Planetary Sensor Strength 2000 (300,000)
Planetary Sensor Strength 2500 (600,000)
Planetary Sensor Strength 3050 (1,250,000)
Planetary Sensor Strength 3750 (2,500,000)
Hardening
Electronic Hardening Level 0 (1000)
Electronic Hardening Level 1 (2500)
Electronic Hardening Level 2 (5000)
Electronic Hardening Level 3 (10,000)
Electronic Hardening Level 4 (20,000)
Electronic Hardening Level 5 (40,000)
Electronic Hardening Level 6 (75,000)
Electronic Hardening Level 7 (150,000)
Electronic Hardening Level 8 (300,000)
Electronic Warfare
Electronic Warfare (1000)
ECM
Electronic Countermeasures - 1 (5000)
Electronic Countermeasures - 2 (10,000)
Electronic Countermeasures - 3 (20,000)
Electronic Countermeasures - 4 (40,000)
Electronic Countermeasures - 5 (80,000)
Electronic Countermeasures - 6 (150,000)
Electronic Countermeasures - 7 (300,000)
Electronic Countermeasures - 8 (600,000)
Electronic Countermeasures - 9 (1,250,000)
Electronic Countermeasures - 10 (2,500,000)
MissileECM
No MissileECM (1000)
MissileECM 1 (2000)
MissileECM 2 (4000)
MissileECM 3 (8000)
MissileECM 4 (15,000)
MissileECM 5 (30,000)
MissileECM 6 (60,000)
MissileECM 7 (125,000)
MissileECM 8 (250,000)
MissileECM 9 (500,000)
MissileECM 10 (1,000,000)
CompactECM
Compact Electronic Countermeasures - 1 (2000)
Compact Electronic Countermeasures - 2 (4000)
Compact Electronic Countermeasures - 3 (8000)
Compact Electronic Countermeasures - 4 (16,000)
Compact Electronic Countermeasures - 5 (32,000)
Compact Electronic Countermeasures - 6 (60,000)
Compact Electronic Countermeasures - 7 (120,000)
Compact Electronic Countermeasures - 8 (240,000)
Compact Electronic Countermeasures - 9 (500,000)
Compact Electronic Countermeasures - 10 (1,000,000)
Small CraftECM
Small Craft Electronic Countermeasures - 1 (2000)
Small Craft Electronic Countermeasures - 2 (8000)
Small Craft Electronic Countermeasures - 3 (30,000)
Small Craft Electronic Countermeasures - 4 (120,000)
Small Craft Electronic Countermeasures - 5 (500,000)
ECCM
Electronic Counter-countermeasures - 1 (5000)
Electronic Counter-countermeasures - 2 (10,000)
Electronic Counter-countermeasures - 3 (20,000)
Electronic Counter-countermeasures - 4 (40,000)
Electronic Counter-countermeasures - 5 (80,000)
Electronic Counter-countermeasures - 6 (150,000)
Electronic Counter-countermeasures - 7 (300,000)
Electronic Counter-countermeasures - 8 (600,000)
Electronic Counter-countermeasures - 9 (1,250,000)
Electronic Counter-countermeasures - 10 (2,500,000)
CompactECCM
Compact Electronic Counter-countermeasures - 1 (2000)
Compact Electronic Counter-countermeasures - 2 (4000)
Compact Electronic Counter-countermeasures - 3 (8000)
Compact Electronic Counter-countermeasures - 4 (16,000)
Compact Electronic Counter-countermeasures - 5 (32,000)
Compact Electronic Counter-countermeasures - 6 (60,000)
Compact Electronic Counter-countermeasures - 7 (120,000)
Compact Electronic Counter-countermeasures - 8 (240,000)
Compact Electronic Counter-countermeasures - 9 (500,000)
Compact Electronic Counter-countermeasures - 10 (1,000,000)
Small CraftECCM
Small Craft Electronic Counter-countermeasures - 1 (2000)
Small Craft Electronic Counter-countermeasures - 2 (8000)
Small Craft Electronic Counter-countermeasures - 3 (30,000)
Small Craft Electronic Counter-countermeasures - 4 (120,000)
Small Craft Electronic Counter-countermeasures - 5 (500,000)
Geo Survey Sensors
Geological Survey Sensors (1000)
Improved Geological Sensors (10,000)
Advanced Geological Sensors (35,000)
Phased Geological Sensors (100,000)
Grav Survey Sensors
Gravitational Survey Sensors (2000)
Improved Gravitational Sensors (10,000)
Advanced Gravitational Sensors (35,000)
Phased Gravitational Sensors (100,000)
Ship Type Limitations
No Restrictions (1)
Fighters Only (2)
Active Sensor Type
Search Sensor (1)
Missile Fire Control (2)
Sensor Band Type
Broadband Sensor (1)