

FEDERATION MIDDLE COMPARISON CHART

SIZE ANALYSIS FOR SHIPS OF SCALE 2 TO 8

This is my Scale estimates of the ships in the Eaglemoss Federation Starships picture (posted on the Wixiban website as of March 2021). The ships below are listed in rough horizontal order, starting from the top left of the page (so left-to-right, line-by-line, just like reading a page of text). My rough sense of Scale is as follows:

Ship Length	Scale
0 to 20 meters	1
20 to 100 meters	2
100 to 240 meters	3
240 to 400 meters	4
400 to 600 meters	5
600 to 800 meters	6
800 to 1400 meters	7
1400 to ~1800 meters	8
More than 1800 meters	9+

Please note, that I didn't bother to include "concept ships" in this list as they are not starships that actually exist in the Star Trek canon. Also, I didn't include "Mirror Universe" starships since they're identical to the "canon universe" starships and listing them here would just be redundant.

Keep in mind, my Scale estimates are NOT exact numbers! (Y'know, obviously.) I had to eyeball each and every ship in all four pictures and decide if they had sufficient mass to qualify as a particular Scale or another. A few ships had a thin, needle-like design that, while they had a sufficient length to qualify as a higher Scale, they didn't look as if they had the sufficient mass for that Scale; thus, I had to downgrade them in Scale. I found a number of ships that struck me as being right on the borderline of adjacent Scales, so I had to make a judgment call (sometimes based on additional factors where available) as to which Scale those ships belonged.

One example of a visually deceptive Scale would be the *Crossfield*-class: 750 meters long, which would make it seem like a Scale 6 ship, but its long, thin nacelles are deceptive in that regard and the rest of the ship's streamlined design does not contain enough mass to have it qualify as a Scale 6 ship (in my humble opinion, anyway) so I rated it Scale 5.

Also, there are a few instances where I felt Modiphius' published stats were in error, so I substituted my own judgment where needed. The *Centaur*-class is a particular example of this: its saucer section is visually identical to the *Excelsior* saucer, which convinced some people that the *Centaur*'s saucer was identical in size to the *Excelsior* saucer and this inflated their length estimates of the *Centaur*. In fact, the *Centaur*'s saucer is actually a smaller, scaled-down version. This is readily apparent when comparing the two ships in the Eaglemoss Federation ships picture. (Eaglemoss' *Star Fleet Shipyards: 2294-The Future* book even directly acknowledges that the *Centaur* saucer section is indeed smaller than the *Excelsior* saucer.)

As such, I made the *Centaur* a Scale 3 ship (especially since its official length is only 210 meters) despite it being listed as a Scale 4 ship in the Command Division Sourcebook. (Besides, if the *Centaur* was a Scale 4 ship while Captain Sisko's commandeered Jem'Hadar fighter was just Scale 3, their battle in "A Time to Stand" would likely have been a lot more one-sided in the *Centaur*'s favor rather than an even fight.)

Keep in mind that all of the following Scale estimations are solely based on my size/volume/mass estimates and don't take into account any other factors that could influence Scale. For space stations and the like, this could result in a huge variance between my estimates and the published stats of some space stations. Take Deep Space 9 for example. By my size estimates, a *Nor*-class space station should be Scale 8, but Modiphius has repeatedly stated that Deep Space 9 is Scale 12. The only way to account for this is that there must be additional factors increasing DS9's Scale that I don't know of, which is entirely possible. I also remember that Deep Space 9 was originally a lightly armed Cardassian mining station, a space station that could hardly be expected to defend itself against a few hostile ships, never mind a heavily armed fleet. Then Deep Space 9 was refitted with numerous phaser arrays and photon torpedo launchers in 2372 and suddenly it could hold off entire fleets of Klingon and Dominion vessels. Could this in-universe change be reflected in the STA rules by up-jumping DS9's Scale from 8 to 12? I can't say with any certainty (as of this writing, I haven't gotten confirmation from Modiphius about this), but it's a distinct possibility.

By the same token, there's also the *D'deridex*-class Warbird to consider. Everything in the published rules say the *D'deridex* is Scale 6, despite its canon length heavily suggesting (at least to me) that it should be Scale 7. In fact, early writings of the STA Corebook even specifically (and apparently erroneously) stated that the *D'deridex* was Scale 7 before it was errata'd. Again, there might be additional factors justifying the decrease in Scale that I don't know of.

And this leads me into my next point: Yes, there are a number of changes here that I made to the published rules. I made these changes to satisfy my own issues with the discrepancies in stats that I came across in several STA books. I tried to supply specific rationales in the blue text boxes below for particular cases where appropriate. But if you don't like what you see, then feel free to change it to suit your game. That's the Golden Rule of Gaming: *If something in the rules doesn't suit your game, change it.* Take whatever you can from these documents and use it however you like. I won't sic Section 31 on you. Promise.

Galaxy-class

Scale 6
641m in length

Engle-class

Scale 4
387.73m in length

Helios-class Tug

Scale 3
163.37m in length

Crossfield-class

Scale 5
750.5m in length

Despite its length of 750 meters, the *Crossfield's* streamlined design doesn't seem to have the mass to qualify as Scale 6, so I downgraded it to Scale 5.

Norway-class

Scale 4
364.77m in length

Miranda-class

Scale 4
243m in length

Curry-class

Scale 4
380m in length

Ambassador-class

Scale 5
525m in length

Intrepid-class (USS Voyager)

Scale 4
343m in length

Akira-class

Scale 5
440m in length

Tellarite Cruiser

Scale 3
200m in length

NX-class Refit

Scale 3
225m in length

Whorfin-class

Scale 4
270m in length

USS Bonaventure

Scale 4
265m in length

Challenger-class

Scale 4
390m in length

Nimitz-class

Scale 4
383.3m in length

Constitution-class refit (Kelvin Timeline)

Scale 6
725m in length

USS Kobayashi Maru ECS-1022 (Kelvin Timeline)

Scale 5
562m in length

Constitution-class (TOS)

Scale 4
289m in length

Constitution-class (Kelvin Timeline)

Scale 6
725m in length

Cheyenne-class

Scale 4
362m in length

Olympic-class Medical Ship

Scale 4
320m in length

SS Emmet (Emmet-type)

Scale 3
130m in length

Section 31 Nimrod-class

Scale 6
872m in length

Arcos

Scale 4
290m in length

Wells-class Timeship

Scale 3
193m in length

USS Vengeance (Dreadnought-class, Kelvin Timeline)

Scale 8
1,459m in length

USS Franklin (Freedom-class)

The warp 4 ship from Star Trek: Beyond; precedes the Kelvin Timeline)

Scale 3
137m in length

Daedalus-class

Scale 3
140m in length

Hoover-class

Scale 5
356.3m in length

Short in length but wide and massive as a *Luna*, not to mention almost *twice* the size of a Scale 4 *Miranda*-class! Thus, Scale 5.

Springfield-class

Scale 4
325m in length

Cardenas-class

Scale 5
441m in length

Walker-class

Scale 5
423m in length

Vulcan T'Pol N&P-17938 Apollo-class

Scale 3
142.5m in length

Why is a Vulcan ship class named after a Greek god? Weird.

Vulcan Surak-class

Scale 4
350m in length

USS Kelvin (Kelvin-type AKA Einstein-class, Kelvin Timeline)

Scale 5
624m in length

While the *Kelvin* is 624 meters long and could qualify on that basis as Scale 6, it doesn't quite outmass a Scale 5 *Nebula*. Hence, the *Kelvin* is Scale 5.

Excelsior-class

Scale 5
467m in length

Constellation-class

Scale 4
310m in length

Oberth-class

Scale 3
243m in length

SS Conestoga

Scale 3
211m in length

Malachowski-class

Scale 4
277m in length

Regula I Space Station

Scale 3
145m in width

Vulcan D'Kyr-type

Scale 5
600m in length

Vulcan Vahklas-class

Scale 3
110m in length

Nova-class

Scale 3
222m in length

NX-class

Scale 3
225m in length

Hiawatha-type Medical Frigate

Scale 5
599.5m in length

Even though the *Hiawatha* is just short of 600 meters, that's not why I rated its Scale 5. In terms of mass, the *Hiawatha* is between the Scale 5 *Excelsior* and the Scale 5 *Nebula*, so that's why I rated it Scale 5 as well.

Sydney-class

Scale 4
235m in length

Despite being slightly shorter than a Scale 4 TOS *Constitution*, the *Sydney* does seem to at least slightly outmass it, so I rated it Scale 4 despite it being shorter than 240 meters.

UE Intrepid (Intrepid-type)

Scale 3
165m in length

USS Firebrand (Freedom-class)

Single-nacelle TNG era ship
Scale 5
430m in length

Defiant-class

Scale 3
170.68m in length

Maquis Raider

Scale 2
68.5m in length

Steamrunner-class

Scale 4
356m in length

Saber-class

Scale 3
223m in length

New Orleans-class

Scale 4
340m in length

SS Raven (Raven-type AKA Aerie-class)

Scale 2
90m in length

Nebula-class

Scale 5
442.23m - 525m in length (depending on Mission Pod)

Y-class Freighter

Scale 3
270m in length

This ship is long and thin, so it does not have the mass to reach Scale 4 despite its length being over 240 meters. Thus, Scale 3.

Constitution-class refit

TOS Movie Era
Scale 4
305m in length

USS Antares NCC-501 (Antares-type)

Scale 3
120m in length

J-class Freighter

Scale 3
230m in length

Section 31 Station

Scale 7
507.6m in length, 802.8m in height

Section 31 Hou-Yi-class

Scale 6
645.26m in length

Andorian Battlecruiser

Scale 4
360m in length

USS Enterprise XVC-330

Scale 3
300m in length

The ship is long and thin, so it does not have the mass to reach Scale 4. Thus, Scale 3.

Magee-class

Scale 4
225.2m in length

Despite being slightly shorter than a Scale 4 TOS *Constitution*, the *Magee* does seem to at least slightly outmass it, so I rated it Scale 4 despite it being shorter than 240 meters.

The Festoon

Scale 4
388.26m in length

Deep Space 9 (Nor-class Cardassian Space Station)

Scale 8
1,451.82m in diameter

See DS9's entry in the Massive Comparison Chart for further explanation of its Scale.

Centaur-class

Scale 3

210m in length

I made the *Centaur* Scale 3 contrary to its *Command Division Sourcebook* statistic of Scale 4 because its official length is only 210 meters; it's actually smaller than a *Nova-class*, a Scale 3 ship. Modiphius must have thought the *Centaur's* saucer was the same size as an *Excelsior* saucer, but it's a significantly smaller, scaled down version.

SS Xhosa (Antares-class)

Kassidy Yates' freighter

Scale 4

270m in length

Prometheus-class

Scale 4

415m in length

The *Prometheus*, *Avenger* and *Pathfinder* don't quite seem to be massive enough to be Scale 5 despite both being longer than 400 meters. Not to mention that the *Prometheus* doesn't seem to have the mass to justify changing its officially published Scale 4 stat (see the *Gamma Quadrant Sourcebook*, p.86) in my opinion. Even a Scale 5 *Walker-class* at 423.4 meters seems to outmass all three of them.

Luna-class

Scale 5

454m in length

Vesta-class

Scale 6

672m in length

Warp Delta

Scale 3

130m in length

Section 31 Stealth Ship

Scale 4

274m in length

United Earth Sarajevo

Scale 4

200m in length

La Sirena (Kaplan F17-class)

Scale 2

85.57m in length

K-class Space Station

Scale 5

450m in length/diameter

Inquiry-class

Scale 6

630.94m in length

Constitution-class (ST: Discovery)

Scale 5

442m in length

Yes, this is a different size than the TOS *Constitution-class*.

Avenger-class (Star Trek Online)

Scale 4

425m in length

See the *Prometheus-class* above for the *Avenger's* explanation of Scale 4.

Federation Holoship

Scale 4

247m in length

Federation Tug

Scale 2

66m in length

Odyssey-class

Scale 7

1,061.1m in length

Pathfinder-class (Star Trek Online)

Scale 4

431.4m in length

See the *Prometheus-class* above for the *Pathfinder's* explanation of Scale 4.

Arctic One

Scale 2
60m in length

Europa-class [Star Trek Online]

Scale 5
416m in length

Buran-class [Star Trek Online]

Scale 5
446m in length

Section 31 Shiva-class

Scale 6
645.26m in length

Yeager-type

Scale 4
402.11m in length

The *Yeager* type is actually Scale 5 by my calculations, not Scale 4, despite its similarity to the Scale 4 *Intrepid*-class. The *Yeager* is actually almost 60 meters longer than the *Intrepid*-class and, with the addition of its scaled-up Maquis raider secondary hull, is significantly more massive than an *Intrepid* as well. It's large enough to be comparable with many other ships I rated as Scale 5. The fact that the *Yeager* is also over 400 meters is another point in its favor to rate Scale 5.

Medusan Ship

Scale 2
90m in length

Shepard-class

Scale 5
505.5m in length

Andromeda-class [Star Trek Online]

Scale 6
695m in length

DY-100-class [SS Botany Bay]

Scale 3
104m in length

Gagarin-class [Star Trek Online]

Scale 5
492.2m in length

Chimera-class [Star Trek Online]

Scale 5
458.7m in length

Sovereign-class

Scale 6
685m in length

Soyuz-class

Scale 4
243m in length

Niagara-class

Scale 5
565m in length