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KLINGON BIRD-OF-PREY SCOUT SHIP

LAUNCHED: 22nd C

LENGTH: 145 METERS

DISRUPTOR CANNONS

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KLINGON BIRD-OF-PREY

SPECIFICATION



KLINGON DEFENSE FORCE

OPERATIONAL 2150s

DISRUPTOR CANNONS X 8 WEAPONRY:

TWIN TORPEDO LAUNCHERS

145.36 METERS LENGTH: TOP SPEED

PATROL, RAIDING, ASSAULT







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Prey in 2153 when the High Council sent Duras to

apprehend Captain Archer, who had fallen foul of

them by helping a group of Klingon rebels. Duras

In the 22nd century, Birds-of-Prey were on the front line of the Klingon Empire. the support of other Birds-of-Prey. For example,

when Duras discovered that Archer's ship had

been upgraded with more powerful weapons, he

SHIP PROFILE BIRD-OF-PREY PROFILE SHIP PROFILE



- ◀ The *Bird-of-Prey* was an extremely heavily armed ship and the exterior bristled with disruptor cannons. Twin cannons were mounted on either side of the bridge module.
- ► The Bird-of-Prey's most powerful weapons were its torpedoes. The ship had fore and after launchers. The forward launcher could be clearly seen at the front of the bridge module.







- ◀ Like other Klingon ships of the period, the Bird-of-Prey carried a disruptor turret that was mounted on the underside of the ship. The turret was fitted with twin disruptor cannons and could rotate through 360 degrees and in the Z axis, providing a wide field of fire.
- ► The first weapons most Klingon commanders fired were the Bird-of-Prey's wingtip disruptors.





▲ Birds-of-Prey often formed part of larger patrol groups. In 2154, Admiral Krell's warship had an escort of two Birds-of-Prey when he visited the Qu'vat colony with the intention of wiping it out to protect the Empire from an infectious disease.

■ In the mid-22n century ships routinely docked with one another. The Bird-of-Prey's main docking ports were on either side of the engineering hull.

Bird-of-Prey also formed patrols with larger ships, and in 2155 Fleet Admiral Krell's warship had an escort of two Birds-of-Prey.

ARMED TO THE TEETH

The kind of *Bird-of-Prey* that Duras commanded was capable of speeds up to warp five and was much better armed than most ships of the period. Before Enterprise's 2153 refit, Duras' ship was more than a match for the NX class and easily capable of outgunning two Orion interceptors. This was due to an impressive arsenal of weaponry consisting of eight forward disruptor banks, including a pair of neck mounted disruptors, a pair of wing tip mounted disruptor cannons, and a 360 degree

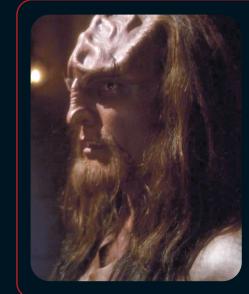
summoned two more Birds-of-Prey to assist him. The rotating turret containing twin belly-mounted disruptor cannons. The ship was also equipped with two torpedo launchers, one located forward and the other towards the rear. In keeping with the Klingons' belief in mounting head-on attacks, the rear of the ship was much less heavily armed than the front.

> The Klingons placed a little less emphasis on the Bird-of-Prey's defensive capabilities. The bridge module was heavily protected with dispersive armor that was designed to withstand direct cannon fire, making the entire area the most protected section of the ship. Power could be routed to defensive shields that surrounded the vessel, but priority was given to the forward shielding and the rear presented an enemy with

a vulnerable target. The *Bird-of-Prey* also had a major design flaw in that a direct hit on the main plasma junction, located above the sensor array just forward of the warp reactor, could disable the entire power grid.

TRACTOR EMITTERS

The Bird-of-Prey also boasted tractor beam technology at a time when Earth ships had to rely on physical grappling lines, and had emitters located on the underside of each wing. These enabled it to hold and pull enemy ships into its shuttlebay, which was located on the underside of the ship. Unlike the larger Raptor class, the Birdof-Prey was equipped with escape pods with the hatch located on the belly of the ship.



DATA FEED

The first Klingon Bird-of-Prey Starfleet encountered was commanded by Duras, son of Toral. This Klingon captain had been humiliated by Captain Archer, who cost Duras his command when he prevented him from capturing some Klingon 'rebels'. The Klingon High Command restored Duras's rank and sent him to apprehend Archer, but he underestimated his foe, who destroyed Duras' ship in a battle in the Expanse.

BIRD-OF-PREY PROFILE



■ The design of the Bird-of-Prev's bridge barely changed between the 22nd and 24th centuries. The commander was always on a throne-like seat in the center, the roof was made up of grating, and there was a combination of wall mounted and free-standing consoles.



◆ It comes as a surprise to many people, but most Klingon ships carry escape pods. Klingons believe that it is wiser to survive so you can continue the battle to than to lose as a result of seeking glory. In the 22nd century, the Bird-of-Prey used single-man escape pods with basic steering capabilities that could be ejected from the underside of the ship. Internal sensors informed the bridge crew if an escape pod was launched.





The *Bird-of-Prey* was fitted with tractor emitters on the underside of the wings that were powerful enough to pull a small ship into its shuttlebay, even if the target vessel resisted.

► The *Bird-of-Prey* was a small, highly maneuverable ship that often operated independently. It was designed for battle and was heavily armed.



The Bird-of-Prey used deflector shields to protect it from enemy fire. The amount of energy could be reallocated to offer greater protection to different areas. If the maximum amount of power was diverted to the forward shields, the ship could withstand the impact of the newly-introduced photon torpedoes. However, this meant underpowering the aft shields and left the rear of the ship vulnerable to attack







DATA FEED

In 2153, a group of genetically engineered humans, known as augments, captured a Klingon Bird-of-Prey and nearly started a war between Earth and the Klingons. The augments easily overpowered the Klingon crew and rapidly mastered the ship's systems. They retro-fitted one of the Bird-of-Prey's torpedoes with a bio-genetic weapon, and planned to wipe out the colony on Qu'Vat. They were only stopped by the Enterprise NX-01.

The bulk of the ship's overall mass was incorporated in the aft section of the ship, which contained the mess hall and kitchen, crew quarters, engineering, the shuttlebay and labs. Despite the ship's small size, the shuttlebay was large enough to store a Denobulan medical ship. Like the Raptor class scouts of the same period, the Bird-of-Prey carried live food in its targ pits which were located near to the galley.

PROPULSION SYSTEMS

The warp engines were powered by a matterantimatter reactor that used dilithium crystals to focus the reaction. The bright red plasma generated by the warp engines could clearly be seen from the outside of the ship through large

grilles on the upper side of the engineering hull. The impulse engines were mounted above this with Additional stations were located around the twin modules angled towards one another at the top. The plasma in the impulse engines glowed with a cooler orange color. The *Bird-of-Prey's* self destruct system worked by overloading the dilithium matrix to create an uncontrolled reaction In this era, the Bird-of-Prey did not have transporter that literally tore the ship apart.

The layout of the bridge of a 22nd-century Birdof-Prey would have been instantly recognizable to a 24th-century Klingon. The ship's viewscreen was located against the forward bulkhead while the captain's chair was in the center of the bridge. The entranceway to the bridge was positioned directly behind this with two free-standing consoles changes as they could while making the Bird-oflocated on either side of the doorway, one of

which was assigned to the weapons officer. perimeter of the bridge.

The 22nd-century *Bird-of-Prey* was often used to mount raids outside the borders of the Empire and was ideally suited to making swift, running attacks. technology, so once the crew had overpowered another vessel, they often boarded them to take prisoners. The primary docking ports were in the sides of the engineering hull.

The design was so fundamental to Klingon thinking that it formed the basis for generations of similar ships with the Klingons making as few Prey tougher and stronger.

BIRD-OF-PREY PROFILE

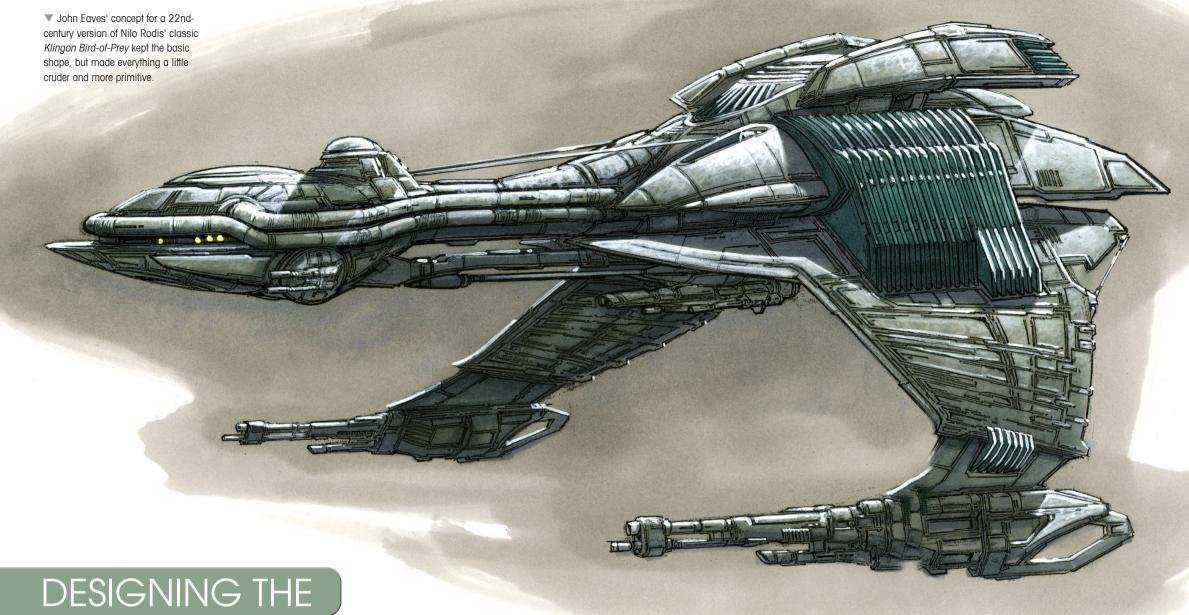


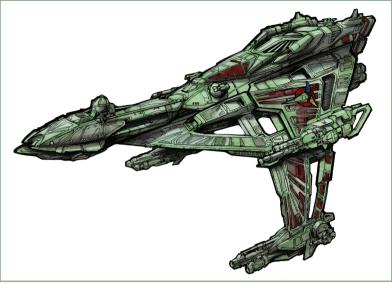
HOUSE OF DURAS

It seems likely that the Duras who attacked Captain Archer was an ancestor of the Duras who tried to take control of the Klingon Empire during the civil war in 2368.

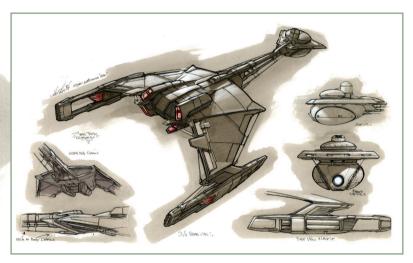
OFTEN WRONG

There is little doubt that Arik Soong, who 'birthed' the augments was an ancestor of Dr. Noonien Soong who created the android Data. After his problems with his genetically engineered children, Arik Soong switched his focus to cybernetics.





▲ Eaves had already made one attempt at redesigning the Bird-of-Prey when he worked on DEEP SPACE NINE, and he put the design forward again, but it looked too modern.



▲ Eaves drew a lot of inspiration from the first Klingon ship he had designed for STAR TREKS ENTERPRISE - a version of the battlecruiser that didn't make it to the screen. It provided an approach to the paneling and additional cabling that he would use for all the 22nd-century Klingon ships he designed.

BIRD-OF-PREY (2154)

The 22nd-century version of the Klingon Bird-of-Prey was more primitive and even more heavily armed than its famous forebear.

hen John Eaves joined the STAR TREK art department the first thing he was asked to design was a new Bird-of-Prey that would have made up part of a fleet that attacked DS9. In the end the idea was dropped. Years later, STAR TREK: ENTERPRISE's producers asked for a 22nd-century Bird-of-Prey. Thinking he had already done half the work, Eaves

pulled out his drawing but the producers told him it wasn't what they were looking for and he needed to start over.

"We had been doing a lot of Klingon stuff before that," Eaves remembers. "So when we got to this Bird-of-Prey I did a combination of the Raptor, the old Bird-of-Prey and the Klingon tanker. It's kind of a little bit of everything."

As Eaves goes on to explain, another

Klingon ship that never made it to the screen provided an important element. "All the ENTERPRISE-era Klingon ships have got a bit of framework on them. You see that cabling, going from the bridge to the top of the ship and on the back of the wings? That was something we came up with for the first Klingon ship we did. We designed a retro-version of the old Matt Jefferies ship for one of

the early episodes. It was built, but the effects producer went with the old Motion Picture version instead. The cabling stuck in my head though.

EXPANSE 452 ENTORARISE TI

"When you look at a NASA spaceship versus a Soviet Union spaceship back in the 60s, the NASA ships were very clean, but if you looked inside Soyuz there were cables everywhere. That's what I wanted for the Klingon stuff - it was all a little more crude and everything was there for a reason. All the Klingon ships on ENTERPRISE had that Golden Gate kind of cabling."

It was clear that this *Bird-of-Prey* should look like an ancestor of Nilo Rodis's original design "The elements are really recognizable," Eaves say, "what we had to do was pull it back in time. I took the idea that the engine pods were dangerous and made them more elevated so the working area is further away from the reactors. On Nilo's ship you had that beautiful segment where the hinge for the wings was hidden. I made that a little cruder and the elements were a little more built on. But it's a very similar design."

One area where Eaves made a real departure was in arming his ship to the teeth. "When you look at the original Bird-of-Prey, every gun on the ship is forward facing. It's an attack vessel so they don't count on being attacked from behind. I always loved battleships, that's why I put swivel guns on the side of the bridge and it has the big belly cannon. I always loved those belly cannons that you see on a lot of those older aircraft like the A-10. That helped to make it a really aggressive little ship. It's pretty badass!"



y the time STAR TREK: THE NEXT GENERATION came to an end, we had learned a lot about the Klingons. We knew that rather than simply being an aggressive race of mindless warmongers, they were a complex species who were best described as a cross between Samurai and Vikings. They placed great importance on a strict code of ethics, displayed a deep appreciation for poetry, music, and art as well as a love of heavy drinking.

It might have ended there. The original plan didn't call for the Klingons to play a big role on DEEP SPACE NINE, but in the third season that all

changed. The producers added Worf to *DS9*'s crew and Ron D Moore, who is widely considered to be the father of the modern Klingons, to the writing staff. Over the next four years, Moore and the rest of *DS9* writing staff would explore Klingon culture in even greater depth. With Moore writing most of the episodes they featured in, the Klingons were revealed as having a ritual for births, deaths, marriages and everything in between, to prefer slaying their Gods to praying to them, and to operate a clearly defined class system.

Moore was very aware that Klingon society as it had been portrayed on *TNG* posed a lot of

► [Top picture] Dax discovers how bad life is on the *Rotarran* whose crew has lost their faith.

[Middle picture] Martok was deeply damaged by his experiences in the Dominion prison and only recovered his sense of self when Worf challenged him for command.

[Bottom picture] Martok and Worf became close, with Martok showing Worf what it really meant to be Klingon.







questions. In his time on *DS9* he would go a long way toward providing answers and showing how Klingon society could actually function. "Rick Berman," Moore recalls, "once said, 'I don't know how these guys can operate a car factory much less an Empire.' There was this sense of them constantly killing the guy above them in order to get ahead."

RULES FOR FIGHTING

Much of the work Moore did on *DS9* was about showing that Klingon society could actually work very well. One of the most important episodes, 'Soldiers of the Empire,' was deliberately constructed to expand upon the TNG episode 'Matter of Honor,' in which Riker had transferred to a Klingon ship. This time Dax and Worf joined General Martok's crew on the IKS Rotarran. Dax tells her friends that the Klingons' willingness to kill their superior officers is not as chaotic as it sounds and that it is in fact governed by strict conventions. "The only way that Klingon society made any sense at all," Moore explains, "was that they had these lines; everyone knew where the lines where and once you crossed them that was it. Otherwise it was just random chaos. There had to be some way to keep that within controlled limits or the society would just implode."

That idea of controlled and defined lines was reflected in other aspects of Klingon society, most notably in their politics. It had been established that the Empire was governed by a High Council. Once again this posed Moore with a question - what about the other houses? "If you're going to have a society that is founded on houses; only certain houses can sit on the council," he says. "How many houses can do that? Two dozen at the most. That means there are a lot of houses that aren't good enough to sit on the council. That naturally stratifies the society and meant that birthrights and royal blood mattered to these guys. A man from the Ketha lowlands like General Martok carried that burden around with him. Guys like him had to work their way up and claw for every ounce and then there were guys like Kor who were of noble blood."

For someone of Martok's lowly status that meant initially being rejected by the Klingon officers' academy and having to work as a lowly laborer before finally earning a battlefield commission.

▲ A Klingon warrior is

only valued as long as

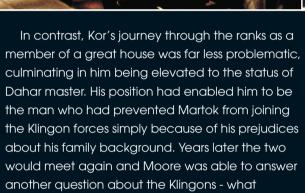
he can fight, and even

as great a warrior as Kor

had no place in Klingon society once he had

grown old.





"That was a part of Klingon society that we hadn't seen - the elderly," reflects Moore. "It's not cool to be an old Klingon. It's not pretty when you get past your prime and you're out of power in the

KLINGON HEROES

failed to die in battle?

Martok's emergence as a character who would go on to have a significant effect on the Klingons' future meant Moore was able to take a look at the true meaning of honor in the Klingon Empire. For a long time Klingons in positions of power had talked about honor but revealed themselves to be morally questionable. In *TNG*, Gowron had risen to power by being a manipulative, political







actually happens to a great warrior who has

Klingon Empire. That's where Kor was, Kor of all people."

The episode revealed that Kor, who was always seen as the ultimate Klingon, had made enemies and exaggerated his victories. Having had the misfortune not to die, he had lost most of his status and relied on former glories. It was only through Worf's generosity that he was able to find a honorable death in battle.

character and the Duras sisters had proved themselves to be even more duplicitous than him. Martok however, was different.

"To me Martok became the heroic version of what the Klingons should be," recalls Moore. "If Gowron was the politician who had connived and intrigued his way to the top, Martok was the classic Klingon hero: the common man rising above his station through sheer guts. Out in battle, loses an eye, the loyal friend; the big party-er, the guy you want to hang out with. The guy you want to follow

During the Dominion Wars, Martok would become somewhat of a mentor flaure to Worf and, when Worf eventually married Jadzia, it was Martok who stood by his side. The wedding gave Moore another chance to answer more important questions about Klingon culture and to address the role of women. "I wanted to make the ceremony moving. I wanted you to feel that marriage mattered to them," recalls Moore. "How it was conducted and what it said about domestic couples in Klingon society was important. At the same time it spoke about the creation of the Klingon heart and their version of creation and how they saw themselves. The opening line 'Forged from the fire and steel of the Klingon Heart,' is there because I wanted to do a line that was redolent of Shakespeare's opening to 'Henry V,' 'Oh for a muse of fire.' I wanted something that spoke of this big thing at the beginning of the marriage ceremony."

But while Klingon marriages were presented as a partnership, in domestic life within the houses

themselves it was the Klingon women who ruled the roost. This was a departure from what people might have expected, since in the past Klingon women seemed to have been portraved as second-class citizens. "I was trying to go back and hierarchy in the political world, in the social and rehabilitate what I had done to the Klingon women," says Moore. "Martok's wife, Sirella, was a powerful figure in her own right and he steered clear of her when he had to. Klingon women had the last word in things like marriage and children. We never got round to it but I was going to say



that the mistress of a great house is the one who decides when they have kids and what the genders were going to be and how many they were going to have. Just as the males had a strict domestic aspects of the society the women wielded an equivalent amount of power."

The marriage ceremony also revealed that the Klingons had little time for their gods, whom according to myth, they had killed.

DEATH OF THE POLITICIANS

As well as answering questions and making the Klingons more credible, Moore and the other writers used their time on *DS9* to renew Klingon society. As the series drew to an end, the Klingon Empire found itself on the brink of change with Gowron trying to hold onto his position as Chancellor by doing his level best to ensure Martok's downfall. As with the vast majority of Klingon disputes it eventually came to down to a fight to the death, with Worf challenging Gowron and emerging as the eventual victor. But while Worf was able to restore his family's honour, Moore drew the line at him donning the Chancellor's cloak. "We felt that was just too much," muses Moore. "And anyway Martok was perfect."

So we left the Klingons with Martok in charge. The era of the Klingon politician was over and Gowron had been replaced by a true Klingon hero. The next time we saw the Klingons would be hundreds of years earlier, as Captain Archer and humanity in general, encountered them for the first time and these Klingons would be brutal...

■ 「Far left picture] challenge and kill him

ON SCREEN



FIRST APPEARANCE:

LAST APPEARANCE: DIVERGE

TV A DDE A DANIGE

SIAR IREK, ENTERPR

DESIGNED BY:

KEY APPEARANCES

STAR TREK: ENTERPRISE 'THE EXPANSE'

The Klingon High Council summons
Duras, gives him command of a
Bird-of-Prey and orders him to capture
Captain Archer, who they name as an
enemy of the Empire. Meanwhile, the
Enterprise NX-01 has been summoned
back to Earth after the planet has
suffered a devastating attack. Duras
catches up with Archer's ship on the
edges of the Sol system and rapidly
overpowers it in a dogfight, but before
he can capture Archer, other Earth ships
arrive and fight him off. Duras isn't
finished though and when Enterprise
sets off again he is waiting for her...

STAR TREK: ENTERPRISE 'BORDERLAND,' 'COLD STATION 12,' 'THE AUGMENTS'

A small group of genetically-engineered humans known as augments boards a Klingon Bird-of-Prey and overpowers its crew. They are delighted with their prize which they describe as an arsenal. The incident raises tensions between Earth and the Empire so Archer recruits the augments' creator to track them down. Genetic engineering has made the augments violent and aggressive and they are determined to create more of their kind. They are also willing to provoke a war that will give them the chance to find freedom.

TRIVIA

Although we didn't see a 22nd-century Klingon *Bird-of-Prey* until *STAR TREK: ENTERPRISE*'s Season 2 finale, 'The Expanse', the term *Bird-of-Prey* was first mentioned in the Season 1 episode, 'Sleeping Dogs'. The Vulcans clearly knew about the *Bird-of-Prey* before this since T'Pol is able to identify it straightaway.



The fact that the Klingons have ships called Bird-of-Prey in the 22nd century causes some continuity problems. The first Bird-of-Prey that appeared in STAR TREK was a Romulan ship, which had a starring role in 'Balance of Terror'. The next time a Bird-of-Prey appeared was in STAR TREK III Producer Harve Bennet had originally intended it to be a Romulan ship, but Leonard Nimoy persuaded him to switch to the Klingons. The name of the ship was left unchanged. This led fans to speculate that the ship had been stolen from the Romulans. However, ENTERPRISE clearly shows Klingons had Birds-of-Prey over 100 years earlier, meaning that it must be a coincidence that Romulans and Klingons have ships with the same names.



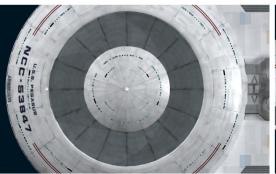
COMING NEXT

OBERTH CLASS

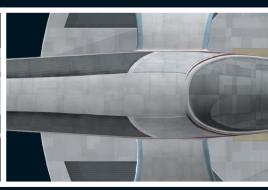




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