

# Joe's Universal Flight Chart

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## Descriptions of the Ratings

Range (RNG) refers to the relative distances that the disc should predictably fly. The values here are not meant to correspond to particular distances. For most players, a disc with a higher range rating should have greater distance potential than a disc with a lower range rating.

High speed stability\* (HSS) refers to the disc's flight characteristics during the first part of the disc's flight. A negative rating means the disc will fly understable at high speeds and turn to the right. A positive rating means the disc will fly overstable at high speeds and turn to the left.

Low speed stability\* (Lss) refers to the disc's flight characteristics during the end portion of the disc's flight. The higher the rating, the more a disc will try to fade to the left as it slows down.

Power Requirement (PWR) refers to the amount of power that must be generated during the throw to make the disc fly with its designed characteristics. Failing to meet the power requirement will generally result in the disc flying more overstable than intended. Exceeding the power requirement will generally result in the disc flying more understable than intended. While everyone throws differently, the chart below can be used as a general rule of thumb:

#### Power Requirement

- 1: less than 175' of power
- 2: 175-225' of power
- 3: 225-275' of power
- 4: 275-325' of power
- 5: more than 325' of power

### Plastic types

- **B** = Baseline is the lowest grade of plastic in terms of price and durability.
- M = Mid-grade is the medium grade of plastic in terms of price and durability.
- P = Premium is the highest grade of plastic in terms of price and durability.

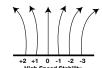
Discs in higher grades of plastic will generally fly more overstable than lower grades of plastic.

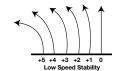
#### Additional notes

\*All references to fade and turn assume a right-handed backhand or left-handed forehand throw and should be reversed for right-handed forehand or left-handed backhand throws. For discs available in multiple grades of plastic, the ratings represent an average across the plastic types. Discs in premium plastic will generally fly slightly more overstable than rated. Discs in baseline plastic will generally fly slightly less overstable than rated. All ratings assume a clean release and nose down throw.

Flight chart data compiled by Blake Takkunen.

on:	s, p	lea	se sign up	for	our	new	slett
В	М	Р	Model	RNG	HSS	LSS	PWR
		~	Blast DT		1	4.5	5
~	~	77	Raging Inferno Wraith	-	0	3.5	5 5
		~	Starfire		0	3.5	5
~			Quarter K		0	3.5	5
		77	Blurr Destroyer	-	0	3.5 4	5 5
~			Venom		0	4	5
~		77	Rage TeeRex	-	0	4 4.5	5 5
•		~	Pulse		0	4.5	5
		V .	Max		0	5	5
	>>	~	Starfire-L (SL) Mirus	-	-0.5 -0.5	3	5 5
	V	~	Orion LF		-0.5	3	4
		<b>V</b>	Raptor-X		-0.5	3	5
	V V	7	Avenger Surge		-0.5 -0.5	3.5 3.5	5 5
~		>	Illusion		-0.5	3.5	5
~	~	V	Crush	5	-0.5 -1	4	5 5
		<b>V</b>	Riptide Diablo DT		-1 -1	3 3.5	5
~		~	Viking		-1.5	2.5	4
	~	<b>V</b>	XS Orion LS	_	-1.5 -1.5	2.5	5
		~	Flash	_	-1.5	3	5
		~	Raging Inferno DT		-1.5	3	5
<<	~	۷ ۷	Orc Beast	_	-1.5 -2	3.5 2	5 4
		~	Spectra		-2	2.5	4
	~		Vision		-2	2.5	3
~	7 7	<b>V</b>	Valkyrie Wildcat		-2 -2	3	5
		~	Roque		- <u>2</u> -2	3	5
		V	Inferno		-2	3	5
		<b>V</b>	Scream DT 100m Lazer		-2 -2	3	4
		~	Roadrunner		-2.5	1	3
~		V .	Sidewinder		-2.5	2	3
		<b>V</b>	Raptor Spirit		-2.5 2	2.5 4	5
	~	~	Talon	1	1	3	4
		V .	Flick		1	4	5
~	~	۷ ۷	Predator Teebird	-	0.5 0	4 2.5	5 4
•		~	Tsunami		0	3.5	5
	~		Primitus		0	3.5	5
		7	Speed Demon DT Timberwolf	-	-0.5	4.5 2	5 4
		>	Eagle-X		-0.5	3	4
~		<b>V</b>	T-Bone XL		-1 -1	2.5	3
•	~	~	Tracker	4.5	-1	3	4
	~		Odyssey Pwr Dr	]	-1	3	5
<		<b>V</b>	Eagle Teebird-L (TL)	-	-1.5 -1.5	2.5	3
~			#2 Helix	1	-1.5	3	4
		7	Wolverine		-1.5	3	4
	~		Avenger SS Slipstream-GT	-	-2 -2	2.5	4
~			Dragon		-2	2.5	4
	V V	~	JLS Odyssey ULR DR		-2 -2	2.5	3 4
	~		Epic Epic		-2 -2	4	5
~			Archangel		-3	3	3
<b>V</b>		~	Viper Banshee		1	5 4	3 4
•	~	Ĺ	EXP1		1	4	4
	~		X-Clone Secretor		1	4	4
~		<b>V</b>	Scorcher Firebird		0.5 0.5	3.5 4	5 4
~			#1 Helix		0	3	4
~	~	7	Hybrid Firebird-L (FL)		0	3	4
		~	Monster (FE)		0	4	5
~		V	Reaper		0	3	4
~		~	Gazelle #2 Driver	_	-1 -1	3	3
~	~	~	Cyclone	4	-1	3	3
V		7	Velocity		-1.5	2	3
7			#1 Flyer #4 Driver		-1.5 -1.5	2.5	4
~			#1 Roller		-2	1	4
< <	\	۲	Ace Leopard		-2 -2	1	3
•	~	~	Xpress		-2 -2	1.5	3
	V		Polaris LS		-2	2	3
1	<u> </u>	-	Cheetah #1 Driver		-2 -2	2.5 2.5	3
~			#3 Driver		-2	3	3
~			Raven		-2	3	2
1	~		Maximizer Whippet		-3 2	0.5 4	3
~		~	Blaze	3.5	1	4	3
	77	~	Storm	၂ ၁.၁	0	3	3 4
			Sharpshooter #1	1	U	3	4





at	W	NW.	gottagogo	ttat	throv	v.com	١.
B	М	Р	Model #1 Hookshot	RNG	H <b>SS</b> -0.5	LSS 3	PWR 3
~			#2 Hookshot		-0.5	3	3
		V V	Sabre		-1	1 - 1 - 5	1
	V	·	Squall Medius		-1 -1	1.5 2.5	3
	V		#2 Roller		-1	3	3
	~		#3 Slice		-1.5	1	2
		7	Skeeter Panther		-1.5 -2	2	2
~			#1 Slice	3.5	-2	1.5	2
~			Oracle	"	-2	2	1
V	7	~	Odyssey Ctrl DR Cobra		-2 -2	2	2
V	<u>- ۱</u>	, v	#2 Flyer		- <u>-</u> 2	3	1
~			Eclipse		-2	3	1
~	L.,		Kite Alial/AD		-2.5	1.5	1
V	V		Odyssey Mid/AP Stratus	1	-2.5 -3	1	1
V	Ť	~	Stingray		-3	2	1
~	L .		#2 Hyzer		1	4	3
7	~		Roc #3 Hookshot		0	2.5 3	3
- V	V	~	Wasp		0	3	2
~		V	#1 Hyzer		0	4	4
~	\ \ \		#3 Hyzer		0	4	3
-	<i>V</i>		Sentinel MF Goblin		-0.5	1.5	2
			Buzzz-GT		-0.5	1.5	2
		~	Shockwave		-0.5	2.5	2
<b>V</b>	-	<b>V</b>	Element X Cro		-0.5 -0.5	2.5 3	2
	V	V	Aurora MS		-0.5	1	1
<b>V</b>	~	~	Buzzz		-1	2	1
<u> </u>	~	V	Shark		-1	2	1
~	$\vdash$	V	Spider Wildfire (Up)	_	-1 -1	2	2
	~	~	MRV	3	-1	2.5	1
		~	Owl		-1	2.5	2
		V	Condor Backbone		-1 -1	3	3
~		V	Coyote		-1.5	1	1
~			Hawk		-1.5	2	1
~	V	~	Jaguar Comet		-1.5 -2	3	3
l —	<b>-</b>	~	Meteor		-2	2	1
~			#3 Flyer		-2	2	1
V	<u> </u>	~	Element		-2 -2	2	1
<b>-</b>	V		Wolf Bat		-2 -2	2 2.5	1
		~	Wildfire (Down)		-2	3.5	2.5
		~	Glide		-2.5	0.5	1
V			Optimizer #2 Slice		-3 -3	0.5	1
V		V	Demon		2	4	3
V			Bulldog		0	2.5	2
	V		Gator Sharpshooter #2		0	3	3
~	<b>-</b>		Drone Drone	2.5	0	4	3
~			Hydra		-1	1	1
-	<u> </u>	~	Breeze XD		-1.5 -2	1	1
~	V	~	Classic Roc		-2	2	1
~			Te Mok		0	1.5	2
V	V	<b>V</b>	Aviar Big Bead Banger-GT		0	2	1
V	V	V	Challenger		0	2	1
~		~	Wizard		0	2	1
		V	Titanic Beaver		0	2.5	1
	V	, v	Sinus AP & SP		0	2.5 2.5	2
~	~	V	Rhyno		0	3	1
V V	<u> </u>	~	Warlock Magnet	2	-0.5 -0.5	1.5 2	1
~			#2 Upshot		-0.5 -1	1	1
V		~	Aviar Putter		-1	1.5	1
<u> </u>	V		Blowfly		-1	2	1
	~	~	Blunt Crossfire		-1 -1	2	1
	~		Spike		-1.5	2	1
~	<u> </u>	~	Zephyr Rock-It		-2 -2	1	3
	V	V	Omega		- <u>2</u> -2	1.5	1
	~		Turbo Putt		-2.5	1.5	1
	~		Arrow		0	2.5	2
	~	V	Sharpshooter#3 Aero	, _	-1	3 0	1
~	~	V	Juju	1.5	-1	1	1
~	L .		Rubber Putter		-1	1	1
	V V		Odyssey TL Putter APX		-1 -2	2.5 0	1
V	۳		Polecat		-2 -2	0	1
~			Reef		-2	0	1
V	<u> </u>		The Upshot		-2	0	1
<b>V</b>	V		Rippa Birdie		-2 -2	0.5	1
	V		Whitler		-2	0.5	1
<b>V</b>			#2 Putter	1	-2	1	1
<u> </u>	\ \ \		86 Softie Blowfly 2		-2 -2	1	1
~	~		Powerdrive		-2	1	1
	V		10m Crossfire		-2.5	1.5	1
	V	~	Putt'r 10m Brick		-3 -3	0	1
~	۳_	_	Rattler		-3 -3	U 4	1