

## Fluorocarbon Line Sizes with Recommended DaHo Threading Needle Size

The following Fluorocarbon line brands and sizes were gathered up from online searching. We are not warranting that they are accurate or complete. The purpose of this chart is to show the size differences in the various lines of the same test, and what size of DaHo threading needle would be a best fit. Each recommended threading needle size is reduced by .002" to take into account the possible standard needle size variance.

Test lbs	Blackwater	Momoi	Seaguar	Yo-Zuri HD
10	---	.012"/.30mm	.011"/.29mm	.012"/.30mm
15	---	.015"/.37mm	.015"/.37mm	.016"/.41mm
20	---	.017"/.44mm	.017"/.44mm	.017"/.43mm
25	---	.019"/.47mm	.019"/.47mm	.019"/.48mm
30	.021"/.520mm	.021"/.520mm	.021"/.520mm	.023"/.573mm
40	.025"/.620mm	.025"/.620mm	.025"/.620mm	.025"/.620mm
50	.028"/.689mm	.026"/.66mm	.026"/.66mm	.028"/.711mm
60	.031"/.767mm	.030"/.74mm	.030"/.74mm	.031"/.776mm
80	.037"/.928mm	.034"/.855mm	.032"/.81mm	.035"/.875mm
90	---	.042"/1.05mm	.042"/1.05mm	---
100	.043"/1.07mm	---	.036"/.91mm	.039"/.979mm
130	.048"/1.20mm	.044"/1.11mm	.051"/1.28mm	.049"/1.22mm
150	.051"/1.28mm	.051"/1.28mm	.056"/1.40mm	.052"/1.30mm
180	---	.055"/1.39mm	.059"/1.48mm	.058"/1.45mm
200	.061"/1.54mm	.062"/1.57mm	.062"/1.57mm	.059"/1.48mm
220	---	.066"/1.66mm	.066"/1.66mm	---
280	---	.072"/1.81mm	.072"/1.81mm	---
300	---	.076"/1.93mm	.076"/1.93mm	.073"/1.83mm
330	---	.080"/2.03mm	.080"/2.03mm	---
400	---	.089"/2.24mm	.089"/2.24mm	.081"/2.04mm
440	---	.093"/2.34mm	.095"/2.40mm	---
550	---	---	.099"/2.51mm	---

### Chart Color Code for Best Fit DaHo Threading Needle

DaHo Needle Code/Color	Needle Line Size Name	Std. Needle ID Size	Minimum ID Size
N02017	10 to 20#	.017"/.430mm	.015"/.38mm
N03020	20 to 30#	.020"/.510mm	.018"/.46mm
N04023	30 to 40#	.023"/.580mm	.021"/.53mm
N05026	40 to 50#	.026"/.65mm	.024"/.60mm
N06032	50 to 60#	.032"/.80mm	.030"/.74mm
N08038	60 to 80#	.038"/.95mm	.036"/.90mm
N10042	80 to 100#	.042"/1.07mm	.040"/1.00mm
N13047	100 to 130#	.047"/1.20mm	.045"/1.15mm
N15053	130 to 150#	.053"/1.33mm	.051"/1.28mm
N20060	150 to 200#	.060"/1.53mm	.058"/1.47mm
N30070	200 to 300#	.070"/1.78mm	.068"/1.73mm
N40077	300 to 400#	.077"/1.96mm	.075"/1.90mm
N50091	400 to 500#	.091"/2.32mm	.089"/2.25mm
---	No line of this size or needle size available		

### Threading Needle Sizing/Fitting Guidelines and Recommendations

- The industry standard variance for sizes of 304 SS Hypodermic tubing is + or - .002". Our needles are usually within .001" of published size, but do vary. We used the std. variance to ensure you will not have problems. Also, trying to fit exact line sizes into a needle can be very difficult and not recommended.
- Mono lines also will vary from published size and must be rounded up when trying to fit very tight sizes. It is better to check your line's size if you have the tools.
- As you can see from the chart, a line weight size can vary greatly in actual line sizes. You can not select your threading needle size from the line weight. The needle name line weights are for very general selection and not as a way to select the right needle for your line.
- An ideal size match would be to find a needle that would be .002" larger than your line size. You can use line that is up to .010" smaller in a needle if needed. Put some right angle bends in the line that goes into the needle to help hold loose line tight.
- The way your line end is cut can vary the size that will fit into a needle by as much .005". You need to trim your line end to ensure the cut didn't add any more size to the normal line size during the cutting process.
- Use this chart to select the best needle size for your line.**