

## Monofilament Line Sizes and Recommended DaHo Threading Needle Size

The following monofilament 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 demonstrate the size differences in the various lines of the same test, and what size of DaHo threading needle would be a best fit.

Test lbs	Ande Premium	Berkley Big Game	Hi Seas Quattro	Izorline 1st String	Jinkai Premium	Momoi Diamond	Momoi Hi-Catch	Momoi IGFA	P-Line CXX	Soft Steel Ultra	Triple Fish	Tuff Stuff Premium
30	.023"/.56mm	.023"/.56mm	.023"/.57mm	.022"/.55mm	.019"/.47mm	.024"/.59mm	.021"/.52mm	.023"/.57mm	.023"/.58mm	---	---	.019"/.47mm
40	.024"/.60mm	.024"/.60mm	.025"/.62mm	.024"/.60mm	.023"/.57mm	.026"/.65mm	.024"/.60mm	---	.025"/.62mm	.022"/.55mm	---	---
50	.029"/.73mm	.029"/.72mm	.030"/.74mm	.028"/.70mm	.025"/.62mm	.030"/.75mm	.028"/.70mm	.030"/.74mm	.030"/.74mm	.024"/.60mm	.031"/.77mm	---
60	.031"/.77mm	.032"/.80mm	.031"/.77mm	.032"/.80mm	.030"/.74mm	.032"/.80mm	.030"/.75mm	---	.033"/.84mm	.026"/.65mm	---	---
80	.035"/.89mm	.035"/.89mm	.035"/.89mm	.036"/.90mm	.032"/.81mm	.036"/.90mm	.034"/.85mm	.036"/.91mm	.038"/.95mm	.030"/.75mm	---	---
100	.039"/.99mm	.039"/.99mm	.039"/.99mm	.040"/1.00mm	.036"/.90mm	.040"/1.00mm	.038"/.95mm	---	.044"/1.12mm	.034"/.85mm	---	---
125	.051"/1.28mm	.044"/1.12mm	---	---	---	---	---	---	---	---	.048"/1.22mm	---
130	.052"/1.32mm	.044"/1.12mm	.050"/1.25mm	.048"/1.20mm	.041"/1.04mm	.051"/1.28mm	.048"/1.20mm	.046"/1.17mm	.053"/1.34mm	.038"/.95mm	---	.041"/1.04mm
150	.056"/1.41mm	.052"/1.32mm	---	.054"/1.35mm	.046"/1.17mm	---	.051"/1.28mm	---	---	.040"/1.00mm	.051"/1.29mm	.049"/1.24mm
200	.063"/1.59mm	.059"/1.49mm	.058"/1.47mm	.059"/1.50mm	.053"/1.33mm	.057"/1.45mm	.056"/1.40mm	---	---	.048"/1.20mm	---	.050"/1.25mm
220	---	---	---	---	.055"/1.38mm	---	.057"/1.45mm	---	---	---	---	---
250	---	---	---	---	.058"/1.47mm	---	.063"/1.60mm	---	---	.052"/1.30mm	---	.058"/1.46mm
300	.074"/1.86mm	---	---	.071"/1.80mm	.062"/1.56mm	---	.071"/1.80mm	---	---	.056"/1.40mm	---	---
400	.082"/2.07mm	---	---	.079"/2.00mm	.072"/1.81mm	---	.081"/2.05mm	---	---	.071"/1.80mm	---	.075"/1.90mm
500	---	---	---	---	.079"/2.00mm	---	.097"/2.45mm	---	---	---	---	---
600	---	---	---	.095"/2.40mm	.089"/2.25mm	---	.113"/2.86mm	---	---	.099"/2.50mm	---	---

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

DaHo Needle Code/Color	Needle Line Size Name	Std. Needle ID Size	Minimum ID Size
N05026	50#	.026"/.65mm	.024"/.60mm
N06032	60#	.032"/.80mm	.030"/.74mm
N08038	80#	.038"/.95mm	.036"/.90mm
N10042	100#	.042"/1.07mm	.040"/1.00mm
N13047	130#	.047"/1.20mm	.045"/1.15mm
N15053	150#	.053"/1.33mm	.051"/1.28mm
N20060	200#	.060"/1.53mm	.058"/1.47mm
N30070	300#	.070"/1.78mm	.068"/1.73mm
N40077	400#	.077"/1.96mm	.075"/1.90mm
N50091	500#	.091"/2.32mm	.089"/2.25mm

### Threading Needle Sizing/Fitting Guidelines and Recommendations

1. 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 and using the std. variance will ensure you will not have problems. Also, trying to fit exact line sizes into a needle can be very difficult.
2. 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.
3. 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. These line weights are for very general selection and as a way to identify the different sized needles.
4. 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.
5. 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.

## Fluorocarbon Line Sizes and 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.

Test lbs	Blackwater	Momoi	Seaguar	Yo-Zuri HD
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	---

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N06032	60#	.032"/.80mm	.030"/.74mm
N08038	80#	.038"/.95mm	.036"/.90mm
N10042	100#	.042"/1.07mm	.040"/1.00mm
N13047	130#	.047"/1.20mm	.045"/1.15mm
N15053	150#	.053"/1.33mm	.051"/1.28mm
N20060	200#	.060"/1.53mm	.058"/1.47mm
N30070	300#	.070"/1.78mm	.068"/1.73mm
N40077	400#	.077"/1.96mm	.075"/1.90mm
N50091	500#	.091"/2.32mm	.089"/2.25mm

### Threading Needle Sizing/Fitting Guidelines and Recommendations

1. 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 and using the std. variance will ensure you will not have problems. Also, trying to fit exact line sizes into a needle can be very difficult.
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3. 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. These line weights are for very general selection and as a way to identify the different sized needles.
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5. 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.