

Monofilament Line Sizes with 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. Each recommended threading needle size is reduced by .002" to take into account the possible standard needle size variance. Read below for more discussion.

| 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 |
|----------|--------------|------------------|-----------------|---------------------|----------------|---------------|----------------|--------------|--------------|------------------|--------------|--------------------|
| 10 | .011"/.28mm | .012"/.30mm | .012"/.30mm | .013"/.33mm | .011"/.28mm | --- | .011"/.29mm | .011"/.29mm | .011"/.29mm | .012"/.30mm | --- | .011"/.29mm |
| 15 | .016"/.41mm | .015"/.38mm | .016"/.41mm | .016"/.40mm | .013"/.33mm | --- | .015"/.37mm | .016"/.40mm | .015"/.38mm | .016"/.40mm | .016"/.41mm | .015"/.37mm |
| 20 | .018"/.46mm | .018"/.46mm | .018"/.46mm | --- | .016"/.40mm | --- | .016"/.40mm | .018"/.46mm | .016"/.41mm | .018"/.46mm | .46mm | .016"/.40mm |
| 25 | .020"/.51mm | .019"/.48mm | .020"/.51mm | --- | --- | --- | .018"/.46mm | --- | .019"/.48mm | .020"/.51mm | --- | --- |
| 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 |
|------------------------|---|---------------------|-----------------|
| 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.**