

Measuring Common Sizes and Diameters of Nylon 6,6, Polyester, and Aramid Yarns

Use this chart to select the right sizes and diameters for your Service Thread order of nylon 6,6, polyester and aramid yarns. The chart contains information about the density and yarn gauge of these materials in denier and decitex. For your convenience, it includes measurements in both inches and millimeters.

Common Yarn Size and Diameters of Nylon 6,6

Nylon 6,6 Fiber Density — 1.14 g/cm³

Yarn Gauge		Estimated Diameter	
Denier	Decitex	Inches	mm
420	467	0.0078	0.23
500	556	0.0085	0.25
630	700	0.0095	0.28
840	933	0.0110	0.32
1050	1167	0.0123	0.36
1260	1400	0.0134	0.40
1680	1867	0.0155	0.46
2000	2222	0.0169	0.50
2520	2800	0.0190	0.56
3000	3333	0.0208	0.61
4000	4444	0.0240	0.70
5040	5600	0.0269	0.79

Common Yarn Sizes and Diameters of Polyester

Polyester Fiber Density — 1.38 g/cm³

Yarn Gauge		Estimated Diameter	
Denier	Decitex	Inches	mm
420	467	0.0071	0.21
500	556	0.0077	0.23
660	733	0.0088	0.26
840	933	0.0100	0.29
1000	1111	0.0109	0.32
1100	1222	0.0114	0.34
1300	1444	0.0124	0.37
1500	1667	0.0133	0.39
1680	1867	0.0141	0.42
2000	2222	0.0154	0.45
2600	2889	0.0176	0.52
3000	3333	0.0189	0.55
4000	4444	0.0218	0.64
5000	5556	0.0244	0.72
6000	6667	0.0267	0.78

Common Yarn Sizes and Diameters of Aramid Yarn

Aramid Fiber Density — 1.44 g/cm³

Yarn Gauge		Estimated Diameter	
Denier	Decitex	Inches	mm
400	444	0.0067	0.20
840	933	0.0098	0.29
1000	1111	0.0107	0.31
1420	1578	0.0127	0.37
1500	1667	0.0131	0.38
2000	2222	0.0151	0.44
2250	2500	0.0160	0.47
2840	3156	0.0180	0.53
5680	6311	0.0254	0.75
7100	7889	0.0284	0.84

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- View our array of industrial yarn and thread [products](#)
- Learn more on the [Service Thread Blog](#)
- Contact us using the information below
- Try our free [measurement tools](#)

Service Thread is one of America's most innovative and reliable providers of industrial yarn and thread. We offer a huge variety of package options to keep your process running smoothly and efficiently.

If you need assistance with measuring your yarn, thread, cord, and more, the experts at Service Thread

are always happy to help you find the perfect fit for your needs. Contact us today.

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