

# Resources

Where to obtain materials, consumables, and tooling.

## CONSUMABLES

Appropriate needles and bobbins are available in the consumables section of our store front. Both are sold individually for ease and convenience.

Members are responsible for bringing their own thread and fabric.

- **Bobbins:** Size “M”, standardized metal bobbin
- **Thread**
  - Must be in a Cone or Vicone to accommodate high speed
  - Always use the same thread in the upper tension and in the bobbin
- **Fabric:** light to heavy weight fabrics
- **Needle** (see chart below):
  - Size Range for machine: 135 x 17, 135 x 16 (Nm160) Nm125□ Nm180
  - Point Type: appropriate to fabric
  - Weight: appropriate to the thread and fabric
  - Eye: must be 40% larger than the thickness of the thread

Needle Type (shape of the point)	Needle Size (Fine to heavy)	Fabric Type	Thread Size (Measured in Tex, Denier, mm and weight)
Universal R or DP	70 up to 230	Light to heavy woven	Light to medium
Ballpoint RG, FFG, G	100 to 125	Light to medium knits, jerseys, stretch, bulky knit	Light to medium
Jeans R	100 - 110	Medium to Heavy	Medium to Heavy
Leather/Vinyl LR, LL, P, PCL, S, D, GH	Range of sizes	Heavy/Layers	Heavy

## Vendors

- [Wawak](#) —Place to buy Needles and thread of every type, including heavy duty and embroidery
  - [The Thread Exchange](#) - thread and needles
    - [Needle buying Guide](#)
    - [Needle and thread Guide](#)
    - [Bobbin Guide](#)
  - [Bobbins: pack of 20 for \\$12 on Amazon](#)
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