

LEVEL-WOUND SPOOLING

TWO-SIDED TAPE SPOOLING

1) Spooling:

Two-sided foam tapes can be spooled on level-wound spools in excess of 1,100 meters in length provided they adhere to the end user's ergonomic weight specifications for handling.

The below specifications are general guidelines for spooling tape for the RoboTape system. Sample spools shall be provided to the RoboTape team for testing and validation.

- Maximum spool width 406mm (16")
- Maximum spool diameter 406mm (16")
- Spool end caps joined to core with glue or by mechanical means

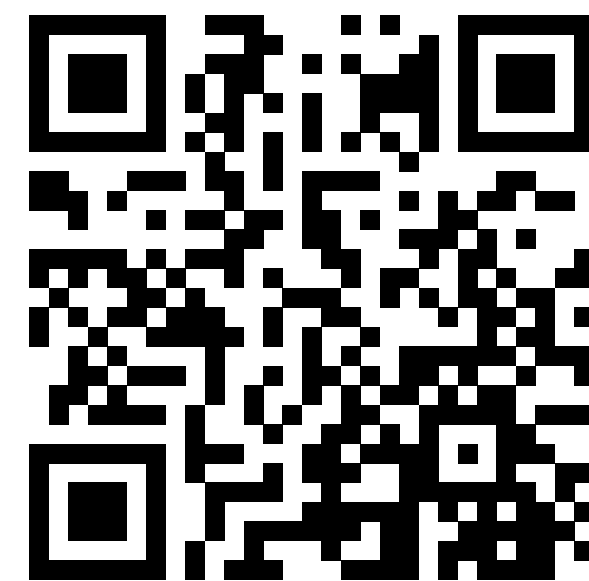
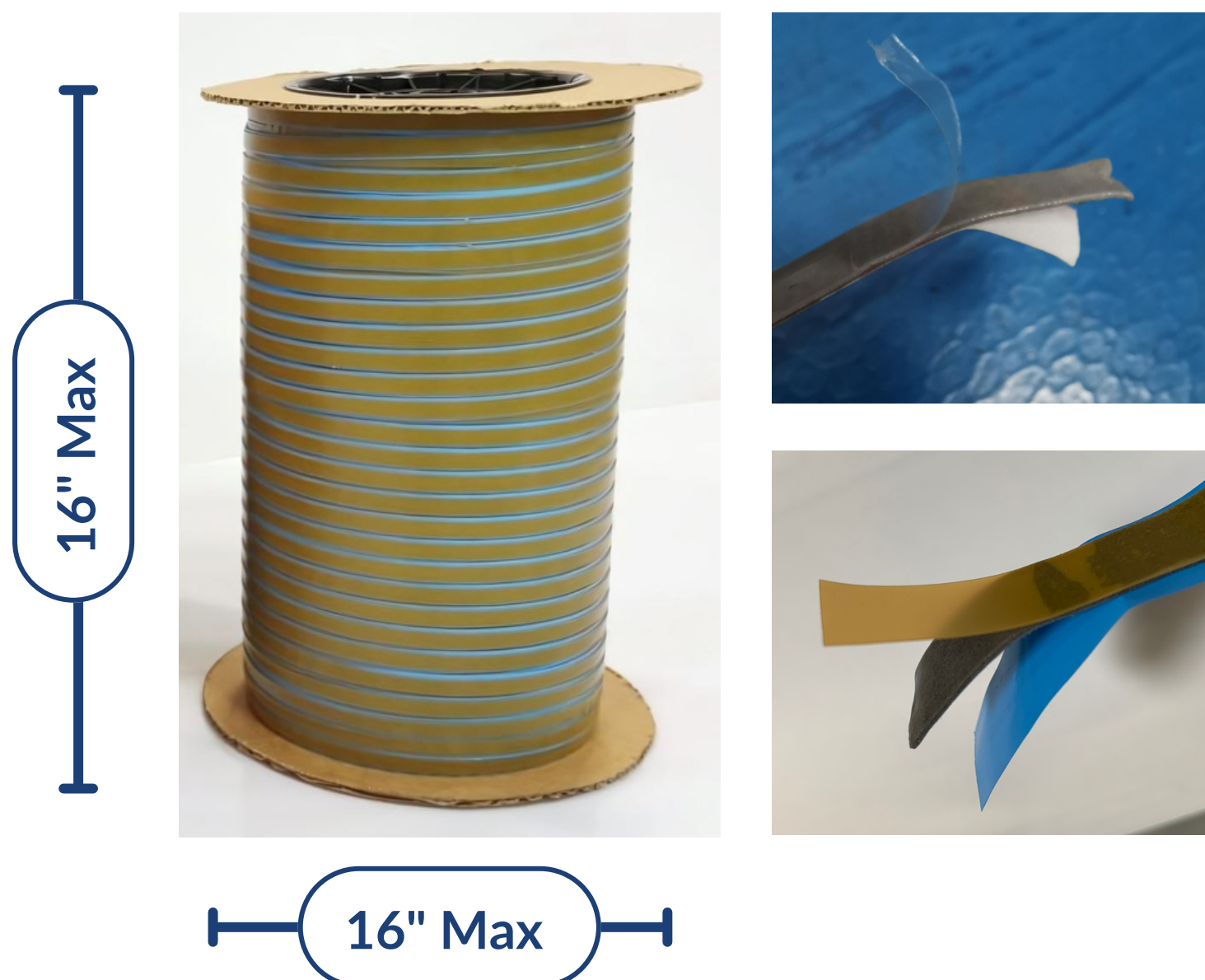
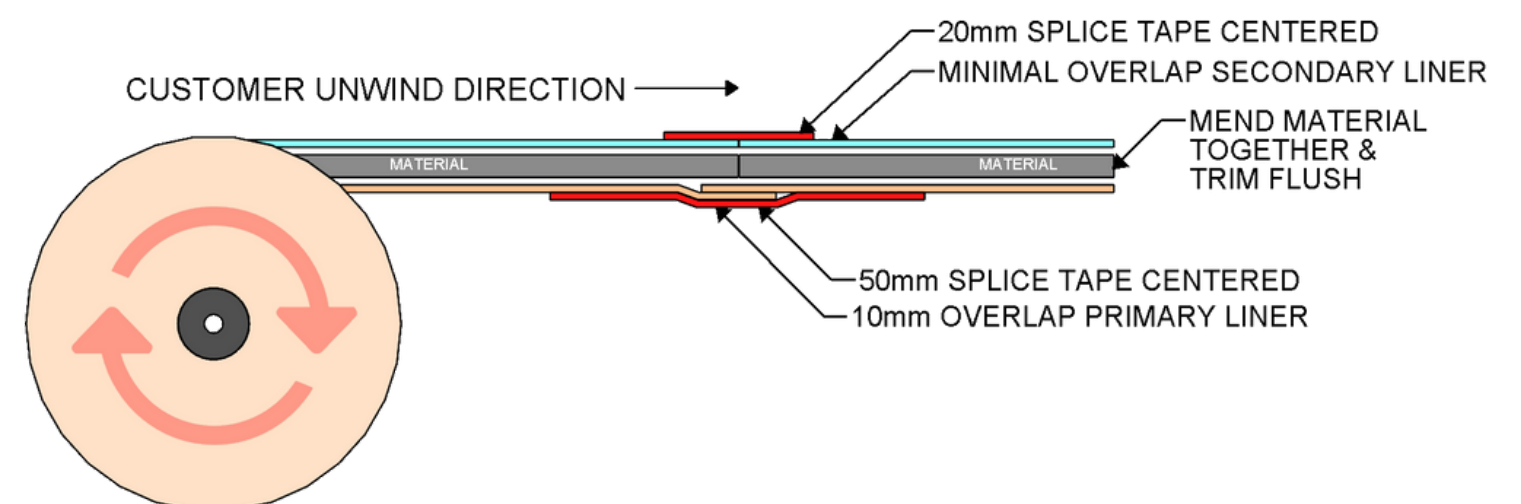
2) Secondary liner general requirements:

- Must fully cover adhesive surfaces
- Must not allow for "knitting" or "edge welding" of the adhesive on the spool
- Liner width matching primary liner is preferred, if secondary liner is wider it should not exceed 2mm of overhang per side
- Liner must not impact bending of the material around pullies
- Lighter release than primary liner (e.g. 1-15g/in)

3) Splice:

The preferred splice parameters are detailed below as to best avoid stoppages or jams in the equipment. Please contact us to discuss alternative splice methods.

- Minimum quantity of splices throughout spool
- Splice tape: 2-3mil thick (0.002-0.003")
- Recommended RED High Tack Splice Tape Reorder Part Number: A0044377
- Splice tape must differ in color from primary liner
- Each liner to have splice tape opposite side to material
- Primary liner overlap 10mm (0.39") with leading end on the inside
- Secondary liner with minimal overlap. Ensure splice tape adhesive is not exposed to material surface
- Primary liner 50mm (2") splice tape coverage is ideal
- Secondary liner 20mm (0.79") splice tape coverage is ideal



RoboTape Two-Sided Tape Functional Splice Method Video:

<https://www.youtube.com/watch?v=JBP69TEgS5w>