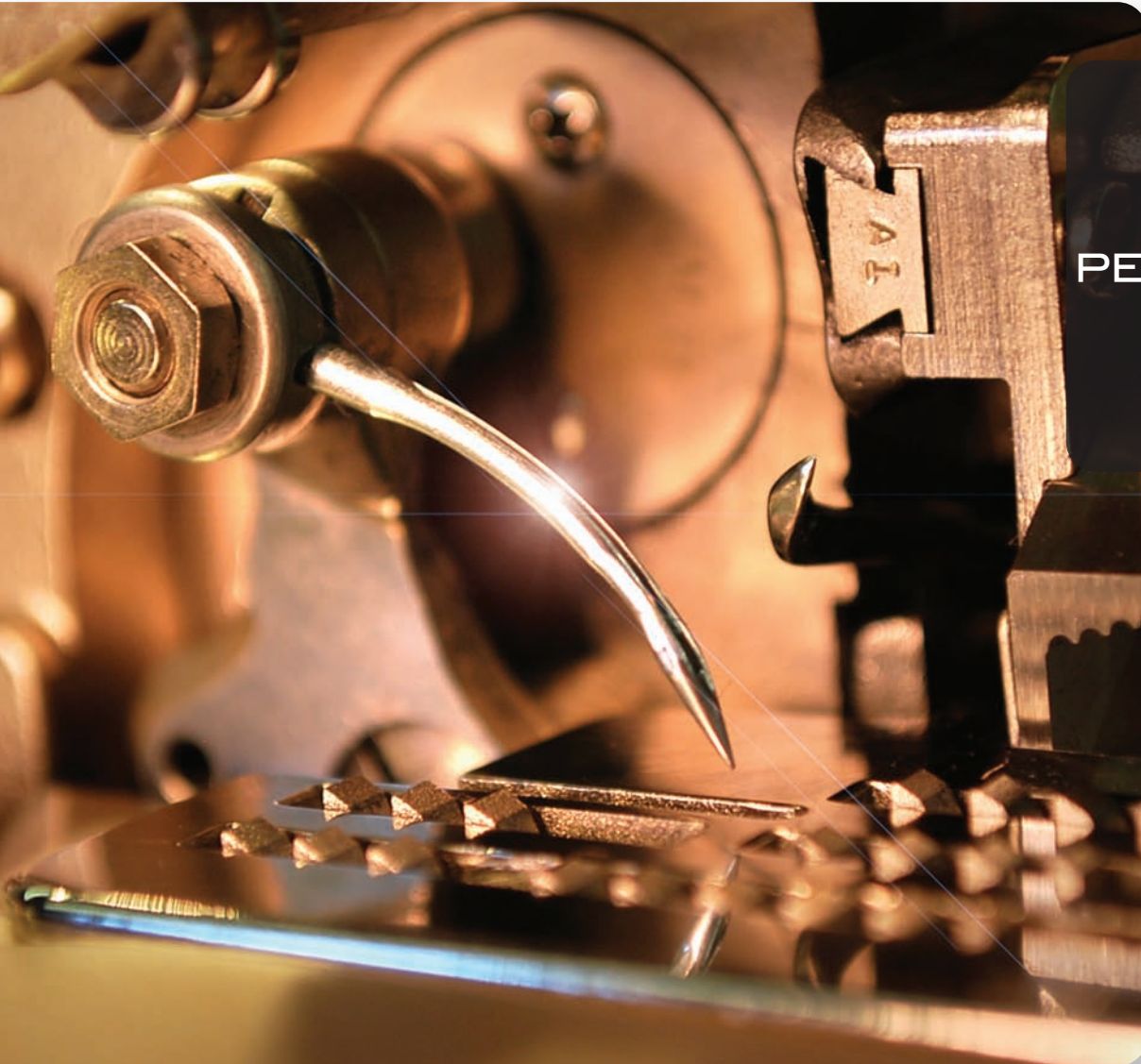


MERROW®

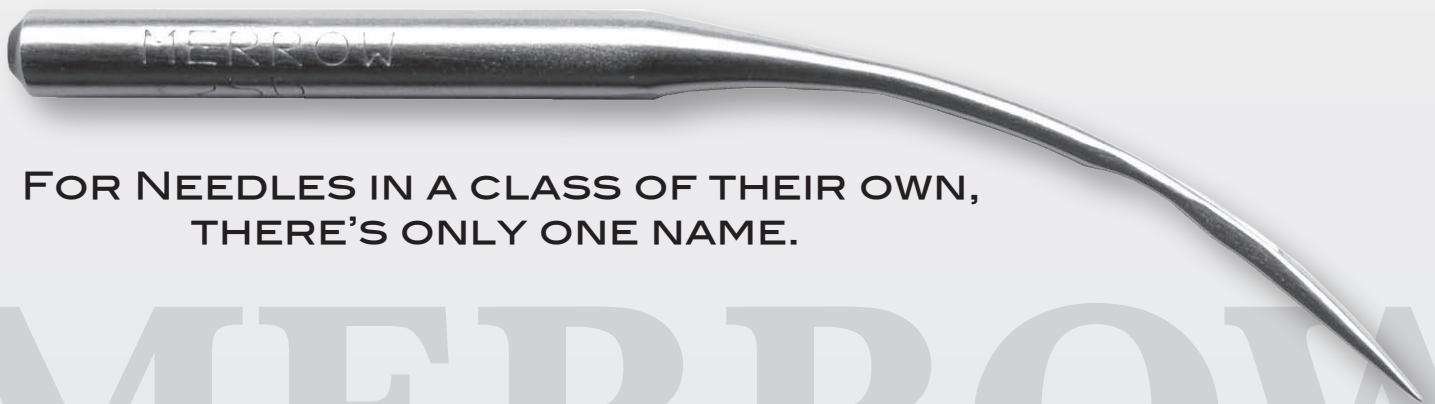
CURVED NEEDLES



QUALITY

PERFORMANCE

DURABILITY



FOR NEEDLES IN A CLASS OF THEIR OWN,
THERE'S ONLY ONE NAME.

MERROW

Engineering

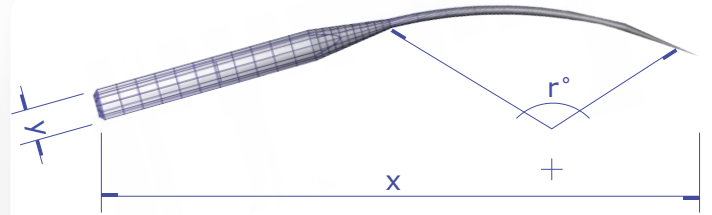
Since 1838, Merrow has been perfecting the engineering and production behind its Curved Needle. As pioneers of the overlock stitch, Merrow is acutely aware of the advantages offered in a curved design, and we continue to invest significant effort into crafting a needle that will perform consistently over time. This attention to detail, along with exacting manufacturing and quality standards, distinguishes our Curved Needle from all others and ensures our customers a uniform stitch, even after steady use.

Curve

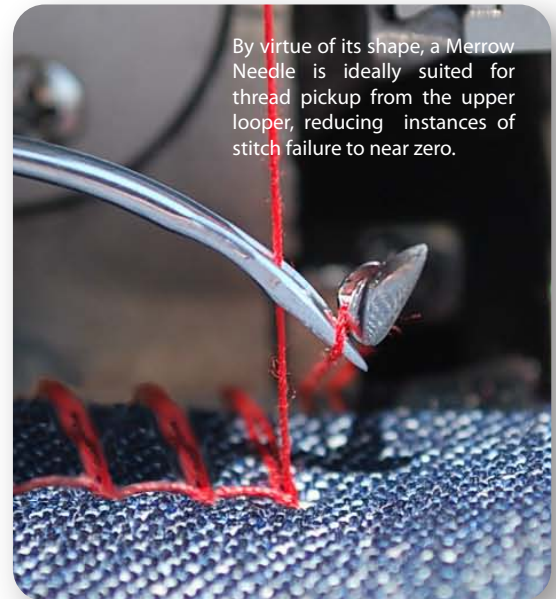
The precise curvature of a Merrow needle guarantees a consistent stitch. The distance created between the curvature of the needle blade and the thread forms a natural loop that is easily secured by the looper, resulting in efficiency and reliability in loop pick-up. The regularity in the successful interaction between needle and looper in our curved design makes functioning at ultra high speeds possible and results in a predictably beautiful stitch.

Material

In order to maintain the exacting measurements that have been refined by decades of engineering experience, all Merrow needles are made with a special grade of tempered high carbon steel. The infusion of carbon into the steel produces a needle that is strong and wear resistant, while the amount of the two materials creates the ideal ratio of hardness to elasticity. Merrow augments the natural heat resistance of the carbon steel with a chrome plating that provides warp resistance and creates an additional corrosion barrier. The combination of materials that constitutes a Merrow Curved Needle - along with impeccable design and manufacturing standards - leads to significantly less breakage and down time.



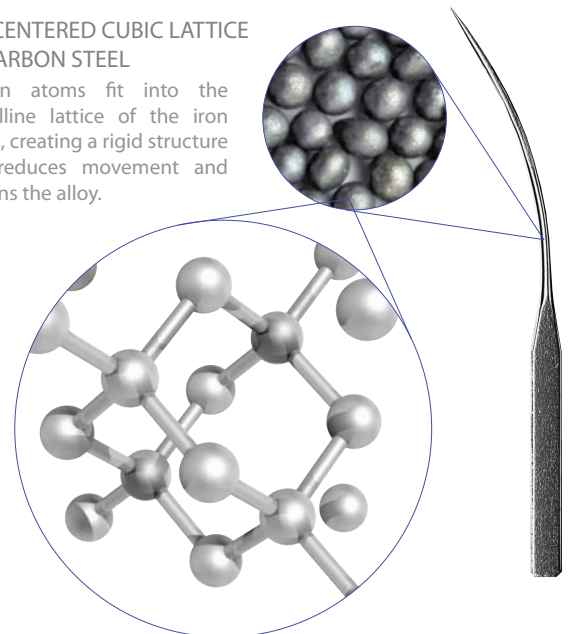
All Merrow Needles are engineered to within one one-thousandth of an inch, and strict quality control measures during manufacture ensure that each needle is made to the same exacting standard.



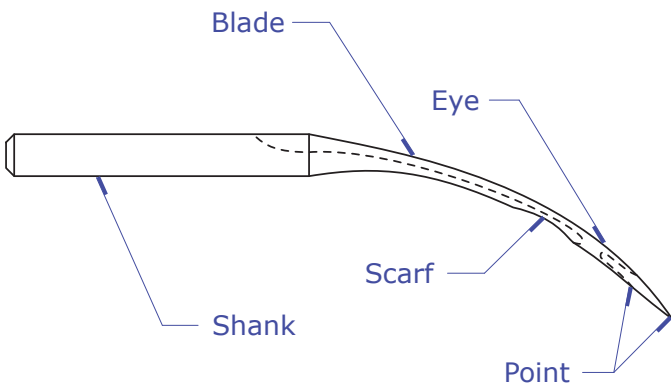
By virtue of its shape, a Merrow Needle is ideally suited for thread pickup from the upper looper, reducing instances of stitch failure to near zero.









THE CENTERED CUBIC LATTICE OF CARBON STEEL

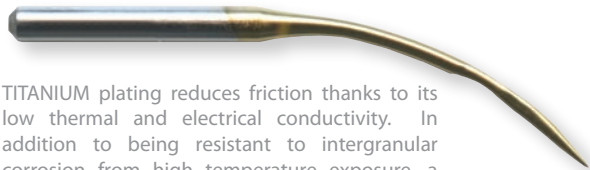
Carbon atoms fit into the crystalline lattice of the iron atoms, creating a rigid structure that reduces movement and hardens the alloy.



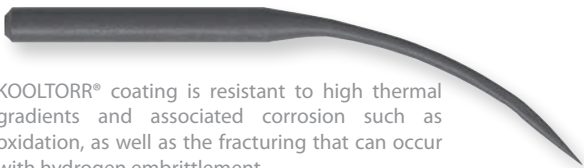
MERROW CURVED
NEEDLE TERMS



- A  FLAT ON BOTH SIDES (.060)
- B_  FLAT ON BOTH SIDES (.045)
- _B  BULGE EYE
- D  CURVED NEEDLE
- E  LONG BLADE, SHORT SHANK
- F  BALL POINT
- S  SCARFED NEEDLE
- T  TAPERED BLADE



TITANIUM plating reduces friction thanks to its low thermal and electrical conductivity. In addition to being resistant to intergranular corrosion from high temperature exposure, a TITANIUM coating will add strength and stability to the needle without adding weight.

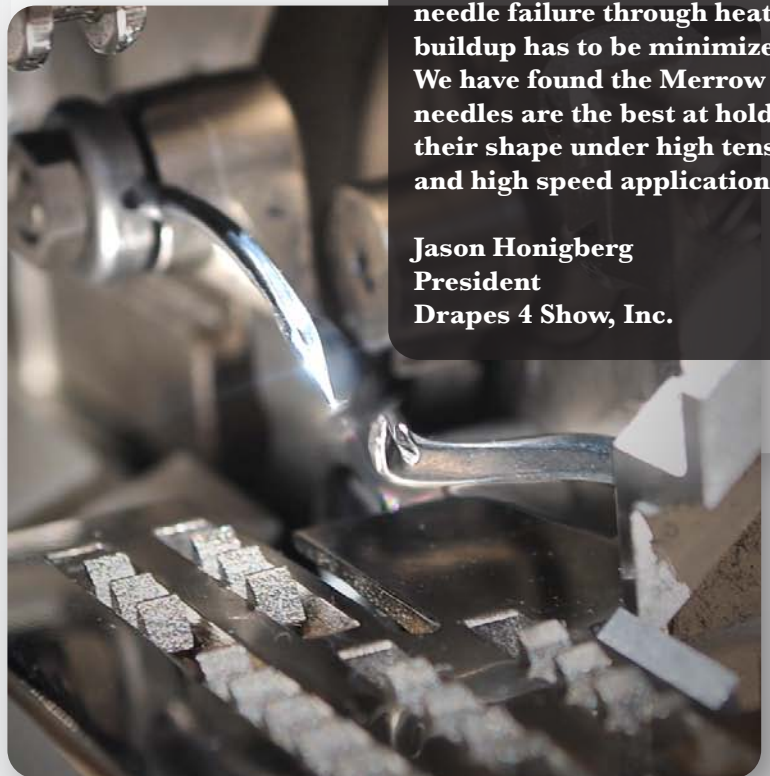


KOOLTORR® coating is resistant to high thermal gradients and associated corrosion such as oxidation, as well as the fracturing that can occur with hydrogen embrittlement.

Purpose

The Merrow Curved Needle Line allows you to sew a seam onto any textile with a well-crafted stitch. No matter what material you're working on, whether a tough piece of Kevlar® or a delicate swatch of silk, a Merrow Curved Needle has been engineered, crafted, and sized to ensure that your fabric is sewn properly and without damage.

The Merrow Sewing Machine Company continues to set the standard for needle design and fabrication, combining state of the art materials with decades of empirical and developmental design. The Merrow legacy of quality and craft is embodied in each of our needles, and as with all of our lines, the Curved Needles are organized using a proprietary sizing system that allows customers to easily choose the configuration that fits their needs. We offer specialty options like Titanium plating to reduce friction or Kooltorr® coating to further dissipate heat, ensuring that we can accommodate even the most unique application. Whatever the demand, Merrow Curved Needles will maintain their shape and high performance and will not crack or break like generic needles. When it comes to quality, performance, and durability, Merrow is the only name in needles.



"Our down time is expensive - needle failure through heat buildup has to be minimized. We have found the Merrow needles are the best at holding their shape under high tension and high speed applications."

**Jason Honigberg
President
Drapes 4 Show, Inc.**

MERROW NEEDLES.

UNSURPASSED IN QUALITY, PERFORMANCE, AND DURABILITY.

	8	7	6	5	4	3	2	1	0	00	000
MERROW SIZE	8	7	6	5	4	3	2	1	0	00	000
METRIC SIZE	150	130	120	110	100	90	80	70	65	60	55
STANDARD CONFIGURATION	SDT	SDT	SDT	SDT	SDT	SDT	SDT	SDT	D	D	D
AVAILABLE FOR USE IN DOUBLE NEEDLE MACHINES				■	■	■	■	■	■	■	■
TITANIUM COATING AVAILABLE	■	■	■	■	■	■	■	■	■	■	■
KOOLTORR® COATING AVAILABLE				■		■					
AVAILABLE VARIATIONS IN POINT, BLADE, AND EYE					■	■	■	■	■	■	■

MERROW®

SEWING MACHINE COMPANY

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