

Product Catalogue

MERROW®

From the library of: **Diamond Needle Corp**
Industrial Sewing Machine Since 1838

ActiveSeam®



Medical Support
Garments



Base
Layers



Underwear

ActiveSeam® is a branded stitch
available through the Merrow
licensing program.

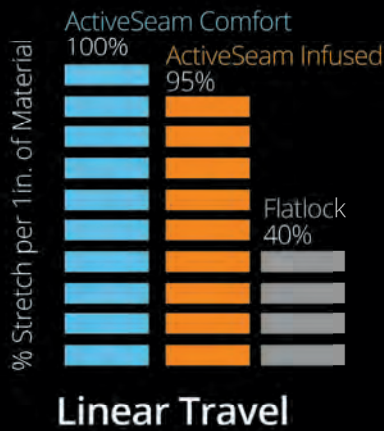
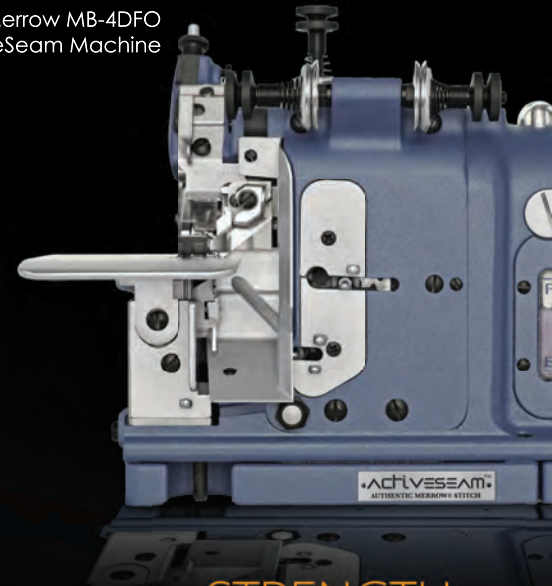


From the library of: Diamond Needle Corp

A Technically Superior Seam

Merrow MB-4DFO
ActiveSeam Machine

ActiveSeam® comes in a nearly infinite number of variations, from wide to narrow, compact to elongated, 2D or 3D. ActiveSeam has captured the imagination of designers from many major athletic apparel Brands and adds significant technical advantages over traditional stitching. With twice the stretch built into the seam and a nearly imperceptible feel on the skin, ActiveSeam garments are designed to fit the human body more comfortably without restricting athletic movement. When compared to a 6-thread Flatlock seam with identical thread, fabric, and SPI, Merrow ActiveSeam 2 & 3-thread seams proved to be more than 30% stronger and had the ability to stretch (linear travel) 100% further.



STRENGTH

30%
STRONGER
Than Flatlock

STRETCH

2.0x
More Than Flatlock

EFFICIENT

Uses
LESS
Thread
Than Flatlock

DESIGN

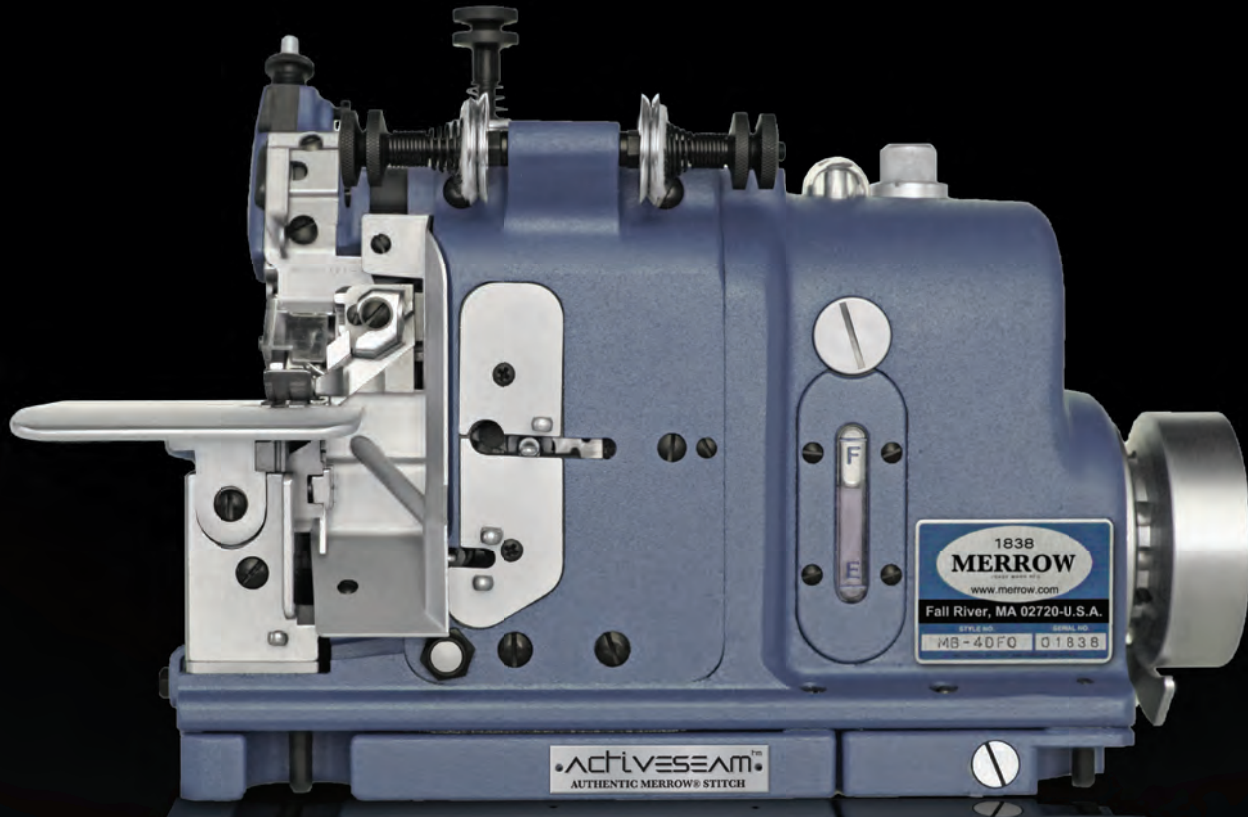
2D
OR
3D
For Depth & Dimension

From the library of: Diamond Performance Corp

www.activeseam.com

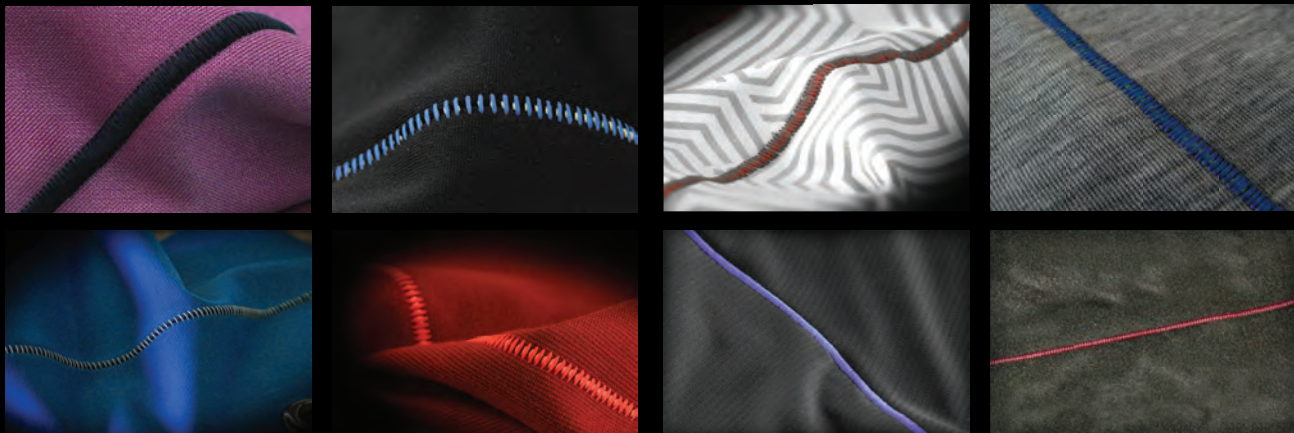
Merrow MB-Class

ActiveSeam™ Flat Overlock



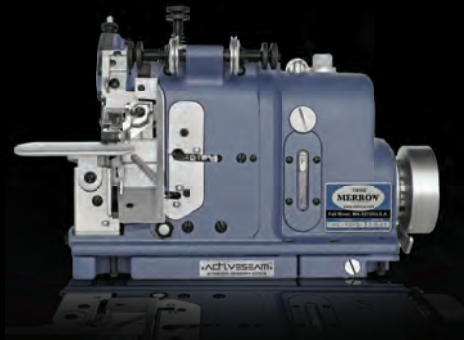
With Merrow, Stitching has a name.

The **NEW** Merrow MB-4DFO sews three versions of the Merrow ActiveSeam™ - a simple to produce alternative to flatlock stitching.



www.activeseam.com

Flat Overlock



Intelligent Seam Variation

FO SERIES

Technical Specifications

Seam Type	521
Seam Width	3/32" - 5/32"
Operating Speed	5500 rpm
Stitch Eccentric	20-40 spi
Threads	2-3
Installation	Non-submerged Submerged

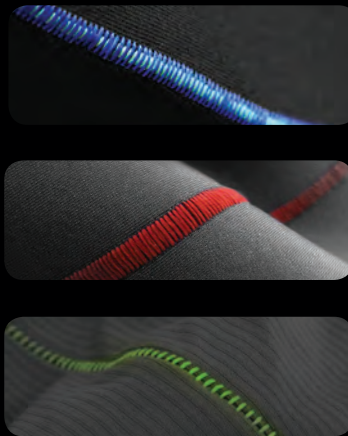
MB-4DFO

ActiveSeam™ Flat Overlock

Two or three-thread, single row differential machine with cutters for sewing the Merrow ActiveSeam®

Application

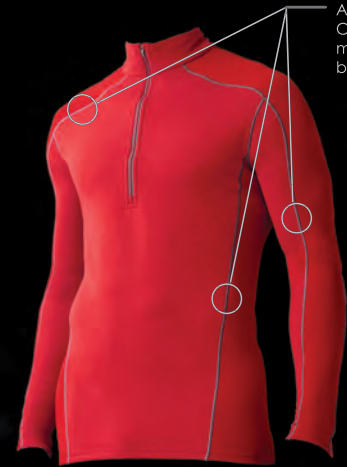
Seaming of light to medium base layer materials



ActiveSeam®

Flatlock Replacement

While ActiveSeam retains the flat profile of the flatlock stitch, it represents an advancement in style and aesthetic not before offered. For a comparison, see the chart below or email marketing@merrow.com for the complete ActiveSeam brochure.



ActiveSeam Comfort on medium weight base layer

ActiveSeam Infused 3D

Threads: 3
Maximum Sustained Weight: 116 lbs*
Linear Travel: 95%

ActiveSeam Comfort

Threads: 2
Maximum Sustained Weight: 130 lbs*
Linear Travel: 100%

ActiveSeam Slim

Threads: 2
Maximum Sustained Weight: 106 lbs*
Linear Travel: 99%

ACTIVESEAM®

MB-4DFO

*ASTM Test Method D-1683
Test Equipment: Sport Model FP
Threads: Tex 27 Texweld Polyester (Needle & Looper)
Spi: 16

Flat Strong Durable Comfortable Flexible New Look Multiple Styles Multiple Widths Simple To Produce Cost Effective

MERROW® ACTIVESEAM™	■	■	■	■	■	■	■	■	■	■
Flatlock	■	■	■					■		

Stitch

Aesthetic

Production

Merrow MG-Class

Advanced Design. Premium Build Quality. Unmatched Stitching



From the library of: Diamond Needle Corp

Because Stitching Matters

The Overlock. The Purl. The Shell. These are all stitches invented on a Merrow machine, and no sewing machine sews like a Merrow MG-Class. Fitted with our proprietary barrel cams, the MG-Class is defined by precise needle throw and incredibly small tolerances, meaning stitches are tighter, more uniform, and noticeably better looking. When stitching matters, the choice is always the Merrow MG-Class.



MG-Class Cams

Visit www.merrow.com for more information

Standard Overlock



W SERIES

Technical Specifications

Seam Type **504**
 Seam Width **1/16" - 3/16"**
 Operating Speed **5500 rpm**
 Stitch Eccentric **4-40 spi**
 Threads **3**
 Installation **Non-submerged
 Submerged
 Semi-submerged**



Light



Medium



Heavy

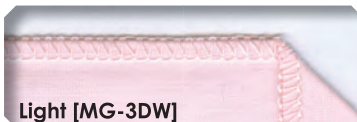
MG-3DW

Lightweight Overlock

Three-thread, double row differential feed machine with cutters, producing a tight needle stitch

Application

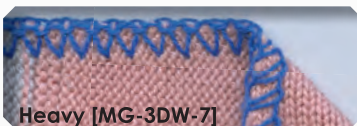
Seaming or edging **LIGHT** woven and knit fabrics



Light [MG-3DW]



Medium [MG-3DW-2]



Heavy [MG-3DW-7]

MG-3DW-2

Medium Weight Overlock

Similar to the MG-3DW but arranged with extra wide cutters and coarse feeds for thicker fabrics

Application

Seaming or edging **MEDIUM** woven and knit fabrics

MG-3DW-7

Heavy Weight Overlock

Seams/edges heavy material with more looper extension

Application

Seaming or edging **HEAVY** woven and knit fabrics

Narrow Rolled Overedge



NR SERIES

Technical Specifications

Seam Type **502**
 Seam Width **1/32" - 3/32"**
 Operating Speed **5500 rpm**
 Stitch Eccentric **14-30 spi**
 Threads **2**
 Installation **Non-submerged
 Submerged
 Semi-submerged**



Bridal



Lingerie

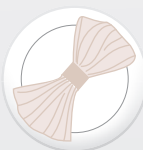


Table Linens

MG-2DNR-1

Narrow Rolled Hem [1/16"]

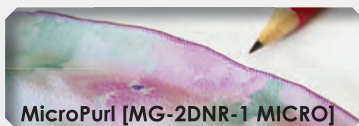
Two-thread differential feed machine producing a very narrow rolled overedge [Purl Stitch]

Applications

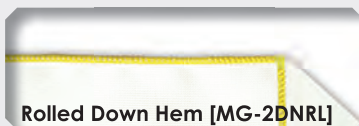
Lingerie, sleepwear, table linens, blouses, handkerchiefs



Purl [MG-2DNR-1]



MicroPurl [MG-2DNR-1 MICRO]



Rolled Down Hem [MG-2DNR1]

MG-2DNR-1 MICRO

Narrow Rolled Hem [1/32"]

Two-thread differential feed machine producing a very narrow, micro-rolled overedge [MicroPurl Stitch]

Applications

Narrow purl stitch on lingerie, nightgowns, and blouses

MG-2DNR1

Rolled Down Hem [3/32"]

Two-thread differential feed machine arranged with long seam feed dogs, needle plate, and fabric guard in lieu of cutters for long seam sewing of delicate edging

Applications

Decorative rolled down edge on sheer curtains

Rolled Overedge



R SERIES

Technical Specifications

Seam Type	503, 505
Seam Width	3/32" - 5/32"
Operating Speed	5500 rpm
Stitch Eccentric	4-40 spi
Threads	2-3
Installation	Non-submerged Submerged Semi-submerged



Curtains



Lingerie



Sleepwear

MG-3DR

Rolled Overedge [5/32"]

Three-thread, single row differential feed machine producing a rolled edge on bath and table linens

Applications

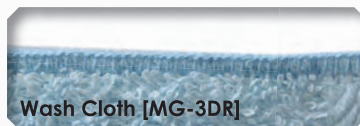
Towels, dish cloths, wash cloths, napkins, blankets



Dish Cloth [MG-3DR]



Nightgown [MG-3DRWL]



Wash Cloth [MG-3DR]

MG-3DRWL

Rolled Down Edge [3/32"]

Three-thread rolled down edging machine. Has special presser foot finger and parts for sewing lightweight fabrics

Applications

Women's sleepwear, lingerie, blouses, sheer curtains

MG-2DR

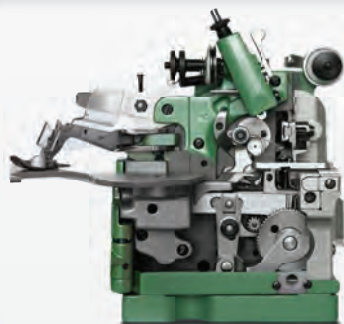
Folded Down Edge [3/32"]

Two-thread machine with special needle plate and presser foot finger for folding material down on light material

Application

Folded edge on lightweight curtain material

Shell Stitching



Q SERIES

Technical Specifications

Seam Type	505
Seam Width	3/16" - 1/4"
Operating Speed	5500 rpm
Stitch Eccentric	3-6 shells/inch
Threads	3
Installation	Non-submerged



Children's
Garments



Blankets &
Wash Cloths



Women's
Socks

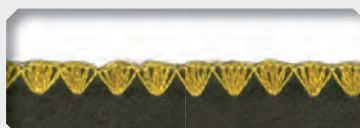
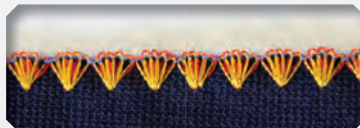
MG-3Q-3

High Speed Shell Stitching

Three-thread machine with special gear driven feed mechanism producing tight 3/16" six prong shell stitch

Applications

Baby blankets, children's wear, shawl collars, women's hosiery, bibs and burp cloths



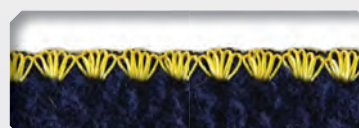
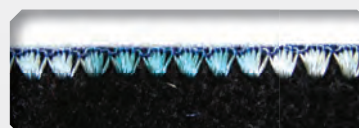
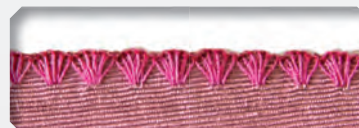
MG-4Q*

Two Needle Shell Stitching

Similar to the MG-3Q-3, but sews with two needles, allowing for the use of two different colored needle threads and a 1/4" shell

Applications

Baby blankets, children's wear, shawl collars, women's hosiery, bibs and burp cloths



Emblem Edging



U SERIES

Technical Specifications

Seam Type	505
Seam Width	1/16" - 5/16"
Operating Speed	5500 rpm
Stitch Eccentric	4-40 spi
Threads	2-6
Installation	Non-submerged Submerged Semi-submerged



MG-3U

Standard Emblem Edge [3/16"]

Three-thread, special foot and feed for exceptionally tight and uniform emblem overedge

Applications

Emblems, badges, patches, and insignias



Narrow



Wide



Velcro

MG-3U NARROW

Narrow Emblem Edge [1/16"]

Similar to the MG-3U with a smaller needle plate and stitch tongue for narrower stitch formation on smaller emblems

MG-3U WIDE

Wide Emblem Edge [5/16"]

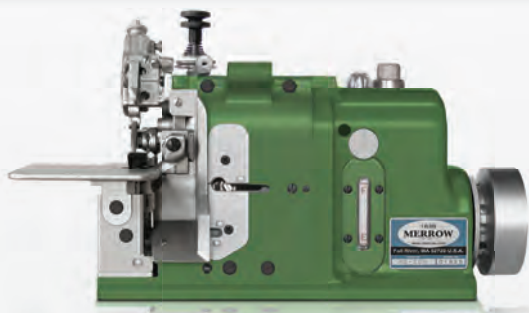
Sews a wider 5/16" emblem edge on larger patches and badges

MG-3U VELCRO

Velcro Emblem Edge [3/16"]

Three-thread machine with specially adapted feed system to prevent take-up of velcro-backed emblems and patches

High Speed Seaming for Mattress Covers



M SERIES

Technical Specifications

Seam Type	501
Seam Width	3/8"
Operating Speed	5500 rpm
Stitch Eccentric	4-12 spi
Threads	1-2
Installation	Railway



Fire Retardant Mattress "Sock" used in the hospitality industry

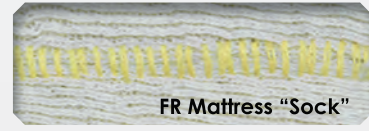
MG-1D-M

Light to Medium FR Joining

One-needle, one or two-thread differential feed end-to-end joining machine used in an automated railway sewing solution.

Applications

End-to-end joining of fire retardant mattress enclosure material.



FR Mattress "Sock"



MG-1DM-7

Medium to Heavy FR Joining

One-needle, one or two-thread differential feed end-to-end joining machine used in an automated railway sewing solution.

Applications

End-to-end joining of medium to heavy fire retardant material



Railway Mounted Solution

Technical Heavy Edging



MG-3DE [3/16"]

Heavy Overedging Machine

Three-thread machine without cutters for overedge finish on elastic knit fabric. Can be arranged to fold elastic inserts within the stitch

Applications

Surgical hose, glove cuffs, medical support garments

MG-3DE-7 [1/4"]

Heavy Overedge Machine

Similar to the MG-3DE, but with a high lift setup for handling heavy material.

Applications

Bandages, knee pads, elbow guards, medical support garments

Technical Specifications

Seam Type	505
Seam Width	3/16"-1/4"
Operating Speed	5500 rpm
Stitch Eccentric	4-40 spi
Threads	3
Installation	Non-submerged Submerged Semi-submerged



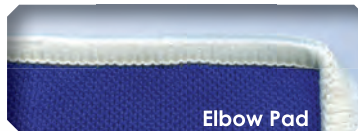
Gloves



Medical Support Garments



Heavy Garments



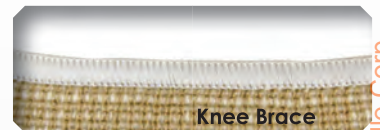
Elbow Pad



Glove Cuff



Girdle



Knee Brace

Netting



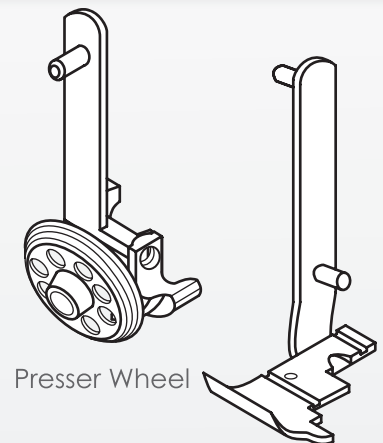
MG-3DGE-7

Seaming of Netting & Mesh

Single needle, three-thread, single row differential feed machine for side-seaming mesh bags. The MG-3DGE-7 can be fitted with either a presser foot or presser wheel for various mesh densities

Applications

Laundry bags, athletic equipment netting

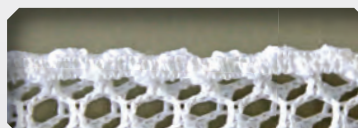
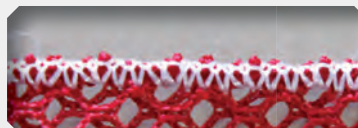


Presser Wheel

Fixed Presser Foot

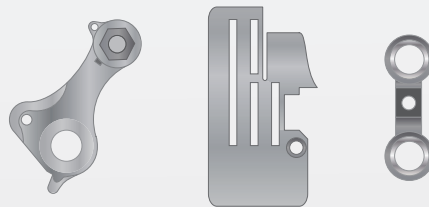
Technical Specifications

Seam Type	514
Seam Width	5/32"
Operating Speed	5500 rpm
Stitch Eccentric	4-40 spi
Threads	2
Installation	Non-submerged



Complete List of MG-Class Models

[c] MG-2D-2	Seaming of Girdle Panels	[s] - Standard Production Model
[c] MG-2DH	Hemming of Cotton Knit Fabrics	[c] - Custom Build Model
[c] MG-2DH-1	Hemming of Rayon Knitted Underwear	
[c] MG-2DH-2	Hemming of Knitted Sweater Materials	
[s] MG-2DNR-1	Narrow Rolled Overedging on Lightweight Fabrics [1/16"]	
[s] MG-2DNR-1 MICRO	Narrow Rolled Overedging on Lightweight Fabrics [1/32"]	
[s] MG-2DNRL	Narrow Rolled Overedging on Nylon Curtains	
[s] MG-2DR	Folded Down Edge	
[c] MG-2U	Two-thread Flat Emblem Edge	
[s] MG-3DR	Overedging Of Face Cloths, Dish Cloths, and Toweling	
[s] MG-3DW	Seaming or Edging of Lightweight Nylon, Rayon, or Cotton Knit Fabrics	
[s] MG-3DW-2	Seaming or Edging of Medium Weight Knit or Woven Fabrics	
[c] MG-3DW-4	Seaming of Medium to Heavy Weight Knit Fabrics	
[s] MG-3DW-7	Seaming of Heavy Weight, Bulky Knit and Woven Fabrics	
[s] MG-3DRWL	Narrow Rolled Overedging on Lightweight Fabrics	
[s] MG-3Q-3	Decorative High Speed Shell Stitching [3/16"]	
[c] MG-4Q	Decorative High Speed Two-Needle Shell Stitching [1/4"]	
[s] MG-3U	Overedging of Emblems, Patches, Badges, Insignias [3/16"]	
[s] MG-3U NARROW	Overedging of Emblems, Patches, Badges, Insignias [1/16"]	
[s] MG-3U WIDE	Overedging of Emblems, Patches, Badges, Insignias [3/8"]	
[s] MG-3U VELCRO	Overedging of Velcro Emblems, Patches, Badges, Insignias	
[s] MG-3DE	Heavy Overedge Machine [3/16"]	
[s] MG-3DE-7	Extra Heavy Overedge Machine [1/4"]	
[s] MG-3DGE-7	Seaming of Netting and Mesh	
[s] MG-3DRGE-7	Seaming of Netting and Mesh [Rolled Seam]	



All Merrow Machines can be customized with individual spare parts to accommodate your material and application.

Email sales@merrow.com for more information

Merrow 18-Class

Premium Crochet Stitching



18-E

The Difference is Quality Engineering

Merrow's design for the crochet sewing machine was imitated almost as soon as it was released, and it's no wonder why. The Merrow 18-Class is the most elegant and efficient means of putting a crocheted edge on everything from blankets to bathing suits. That's why we've continued to produce it for almost 140 years. No other manufacturer can boast the stitch quality and precision of the original; we've refined the 18-Class to be the most elegant, most precise, and most *authentic* crochet machine in the sewing world.



18-Class Cams

Visit www.merrow.com For More Information



18 CLASS

Technical Specifications

Seam Type	Crochet
Seam Width	3/8" - 1/2"
Operating Speed	1000 - 1400 rpm
Stitch Eccentrics	4-10 spi
Threads	1
Installation	Table Top



Fleece/Knit Outerwear

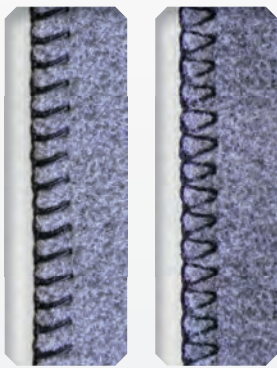


Fleece/Knit Blankets



Bathing Suits

Models



18-E

1/2" Flat Crochet

Produces a 3/8" - 1/2" wide flat crochet stitch adjustable from 3 to 8 stitches per inch

Applications

Fleece blankets, wool blankets, knit outerwear



18-G

Flat Crochet on Light Material

Similar to style 18-E, but fitted with special parts that allow the 18-G to apply a crochet edge to light bathing suit material

Applications

Lightweight blankets and outerwear



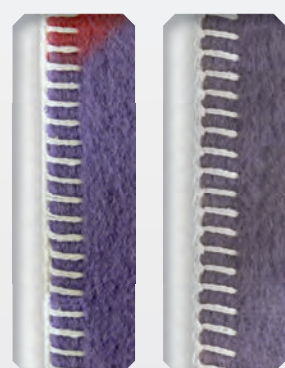
18-A

1/2" Rolled Crochet

The 18-A is equipped with a folding device that turns the material within the stitch formation.

Applications

Fleece blankets, wool blankets, knit outerwear, felt boot tops



18-S

1/2" Mirrored Crochet

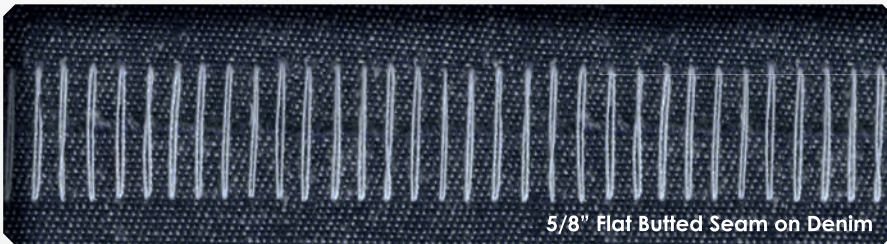
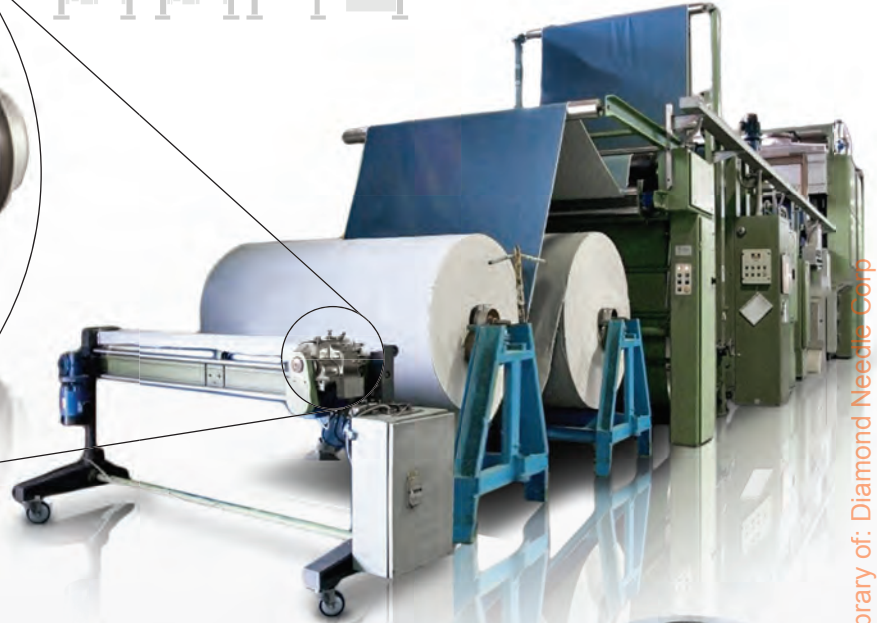
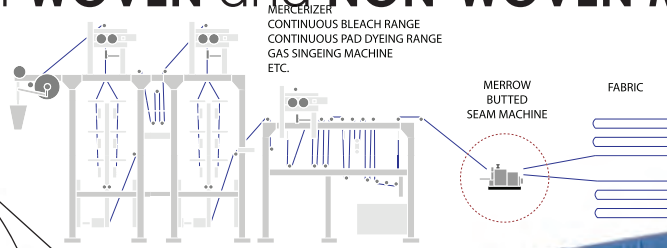
Similar to style 18-E, but fitted with special parts that create a crochet stitch that is identical on both sides of the garment

Applications

Fleece blankets, wool blankets, knit outerwear

Merrow 70-Class

The Most Versatile Platform of Industrial Machines for the End-to-End Joining of **WOVEN** and **NON-WOVEN MATERIAL**



From the library of: Diamond Needle Corp

Wovens & Non-Wovens

The Merrow line of 70-Class machines are the simplest, most dependable, and most durable means of joining material in a continuous process. Over its near 40 year existence, the 70-Class has been the platform that textile finishing facilities rely on when butt seaming material end-to-end.

70-CLASS

Technical Specifications

Seam Type	501
Seam Width	5/8"
Operating Speed	2250 rpm
Stitch Range	4-12 spi
Threads	1
Installation	Raven Table Automated Railway Semi-Automated Railway

Visit www.merrow.com For More Information

70-D3B-2

The Standard for Seaming Material End-to-End

- Simple to implement, Simple to operate, Simple to service
- Sews a wide (5/8") and flat butted seam
- Seams in any environment



70-D3B-2

Nickel Plated

Wet Environment Seaming

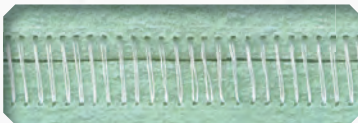
Chemically Nickel Plated to retard corrosion and extend the operating cycle in harsh environments.

Applications

Bleaching, mercerizing, dyeing. Laminating



70-D3B-2 CNP



70-Y3B-2



Stitch Multiplier

Strength at the Selvages

Non-differential feed machine fitted with manually operated lever for doubling the stitch count

Applications

For added strength at material selvages

2-Thread Seam

Permanent Butted Seam

Two-Thread, differential feed machine that sews a permanent locked seam

Applications

Napping processes



70-D3B-2 LS



NEW for 2014!

High Lift Feed

High Pile Seaming

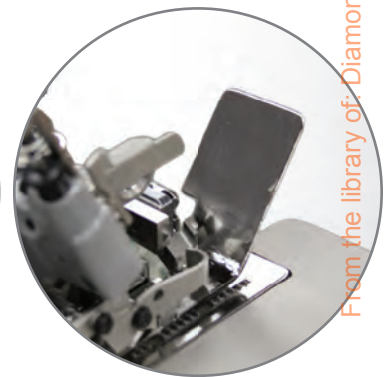
Single-thread differential feed machine configured with high-clearance feed and looper throw



70-D3B-2 JT



Extra-High Lift Feed



Specialized Presser foot for guiding high pile material

Applications

High Pile (1" and thicker) paint roller and other napped non-wovens

Spaced Seam

5/8" Flat Gap Stitch

Differential feed machine configured to sew a 1/8" space between ends of joined fabric

Applications

Seam detection, seam drainage



70-D3B-2 G



Merrow 71-Class

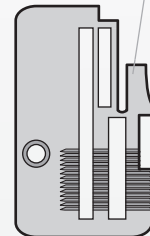
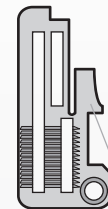
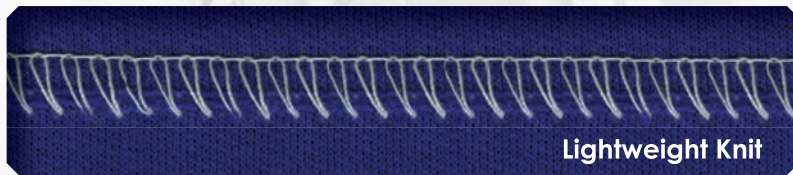
HIGH SPEED Joining of **KNIT FABRIC**



71-1D-7 CNP

71-Class Cams

71-Class Cams have specially milled grooves to allow seaming at 4000 rpm on knit fabric



The needle plates of the 71-Class machines have significantly smaller stitch tongues to create a more effective narrow butted seam for knit fabrics.

From the factory of: Diamond Needle Corp

Knits

The Merrow 71-Class is built for joining knits in a factory environment at HIGH SPEED. Using specially designed cams that differ from those of the standard 70-Class, the 71-1D-2 and 71-1D-7 will seam a 3/8" stitch at 4000 rpm. Available in both a new, economical painted version as well as the familiar nickel plated models, the 71-Class machines are second to none for high speed knit fabric joining.

71-CLASS

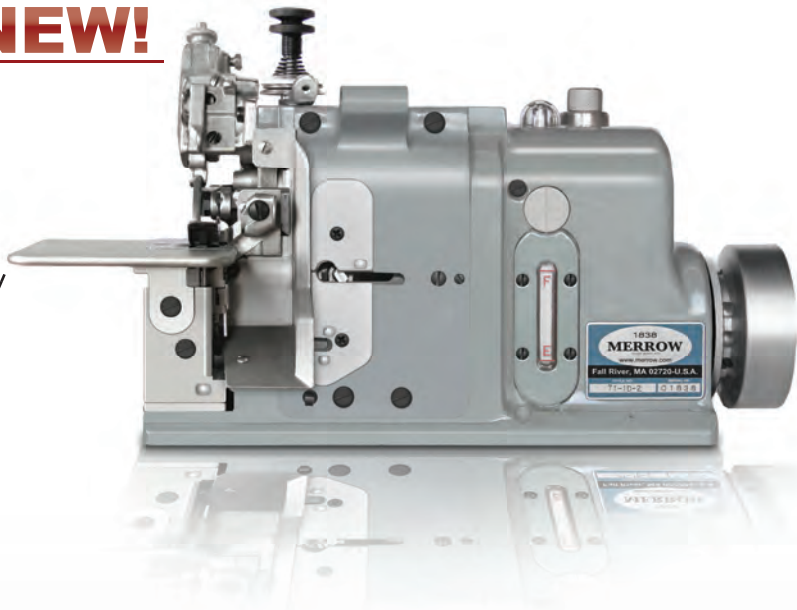
Technical Specifications

Seam Type	501
Seam Width	3/8"
Operating Speed	4000 rpm
Stitch Range	4-12 spi
Threads	1
Installation	Raven Table Automated Railway Semi-Automated Railway

Visit www.merrow.com For More Information

71-Class Models

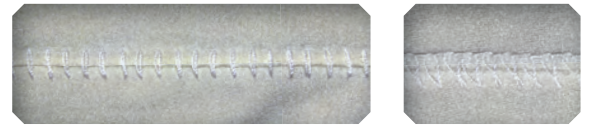
NEW!



71-1D-2

Dry High Speed Seaming

Single needle, one-thread, double row feed machine with cutters. The 71-1D-2 joins light to medium weight dry knit material.



71-1D-2 CNP

Wet Environment, High Speed Seaming

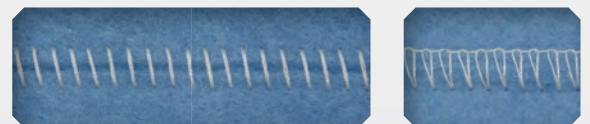
Single needle, one-thread, double row feed machine with cutters. The 71-1D-2 CNP joins light to medium weight dry or wet knit material.



71-1D-7 CNP

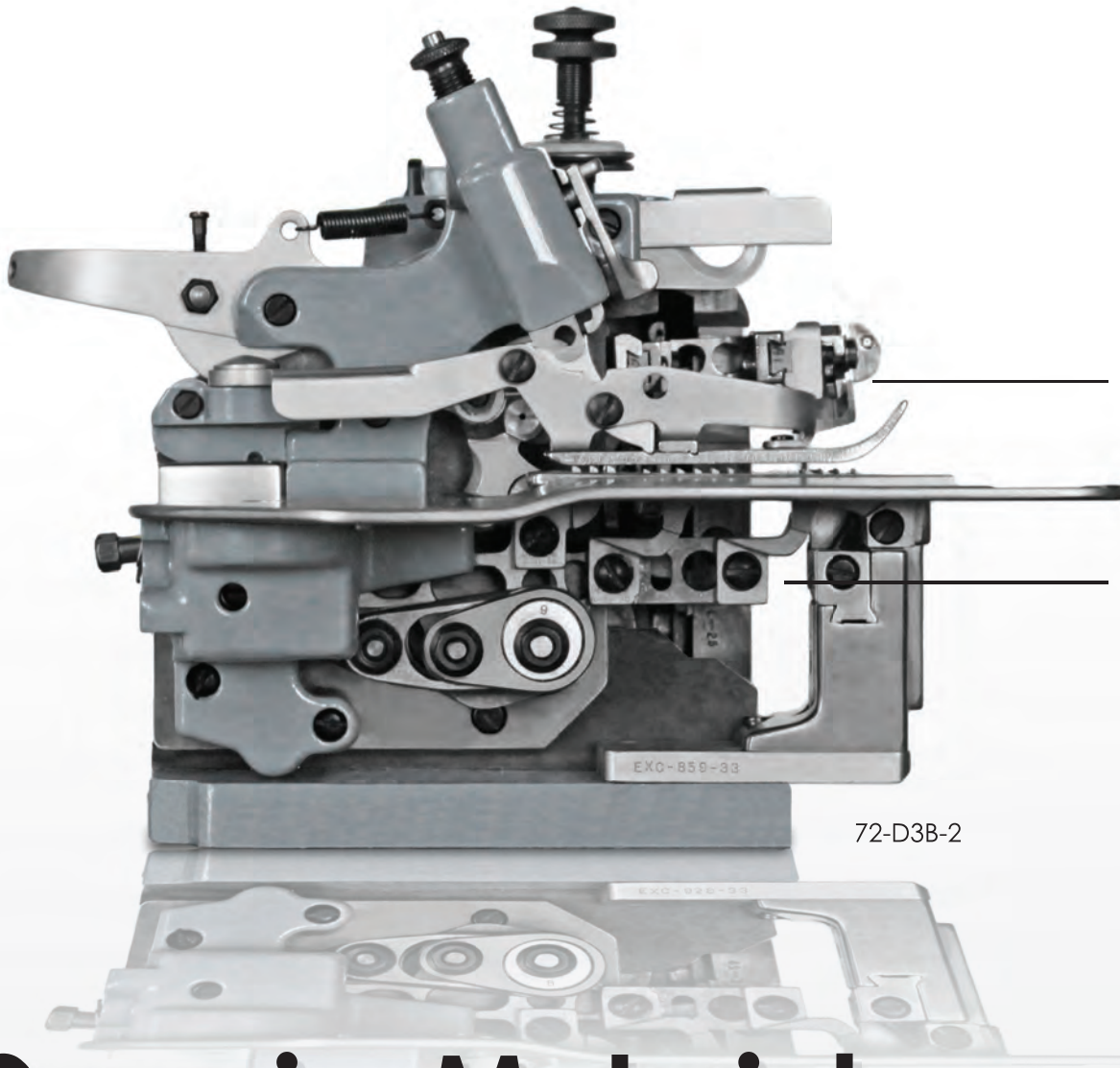
High Lift, Wet Environment

Single needle, one-thread, double row feed machine with cutters. The 71-1D-7 joins medium to weight wet and dry knit material.



Merrow 72-Class

For Joining Difficult Materials



The feed system of the 72-Class includes forward mounted cutters and an extended feed surface to ensure that material lays flat when passing through the needle

An increased number of feed dogs ensures smooth passing of material across the work surface

72-D3B-2

From the library of: Diamond Needle Corp

Superior Material Handling

The 72-Class takes the reliability and toughness of the 70-Class and adds to it a more robust feed system to handle hard to join materials. Whether it be forward mounted cutters (72-D3B-2) or a specialized device to create a rolled seam (72-D3B-2 R), the 72-Class is meant to solve the most difficult joining applications.

72-CLASS

Technical Specifications

Seam Type	501
Seam Width	5/8"
Operating Speed	2250 rpm
Stitch Range	4-12 spi
Threads	1
Installation	Raven Table Automated Railway Semi-Automated Railway

Visit www.merrow.com For More Information

72-Class Models

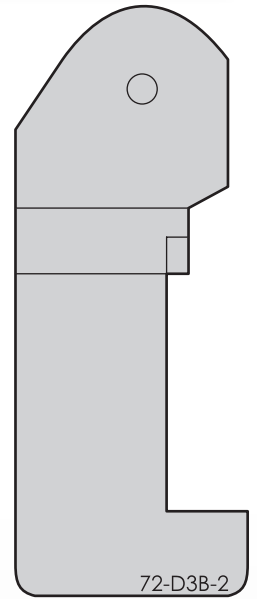


72-D3B-2

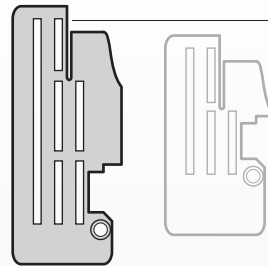
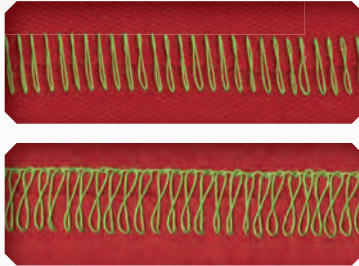
Joining Difficult Fabrics

Designed with an extended cutting system and three rows of feed dogs, the Merrow 72-D3B-2 has become a favorite when joining difficult knit and woven piece goods. The 72-D3B-2 sews an identical stitch to the 70-D3B-2 (5/8" flat butted-seam), but improves dramatically the ease of sewing difficult fabrics.

70-D3B-2

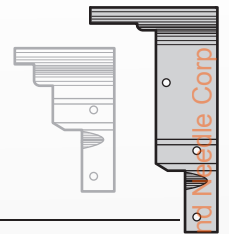


72-D3B-2



The 72-D3B-2 has a larger needle plate and additional feed dogs

The presser foot of the 72-D3B-2 is 50% larger than the 70-Class

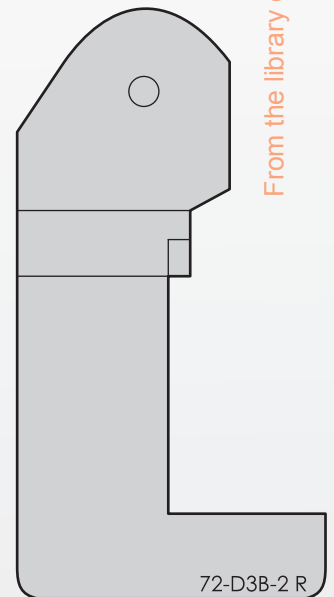


72-D3B-2 R

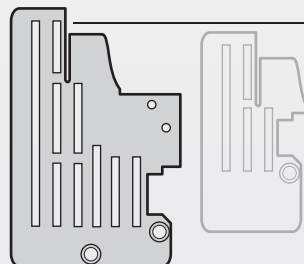
Low Count Material Joining

The 72-D3B-2 R allows the joining of **loose weave** knits and wovens. Using a specialized device and adapted work surface, the 72 R rolls material into a 5/8" seam that will not pull apart. It is specifically effective when used with **low count** materials, where a traditional, flat, butted seam is not feasible.

70-D3B-2

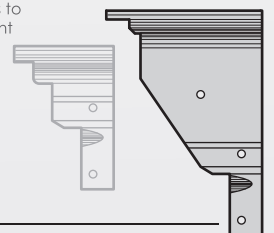


72-D3B-2 R



The 72-D3B-2 R has six rows of feed dogs to handle loose count knits and wovens

The needle plate of the 72 R is 60% larger than the 70-Class



Merrow 12-Class

Heavy Duty Joining



From the library of: Diamond Needle

Heavy Duty Joining

New to Merrow's line of butt-seaming equipment in 2012, the 12-E is a work horse. Built to Merrow's strict manufacturing standards, this American-made machine is meant for one thing - joining tough materials. From robust parts and quality construction all the way down to its black matte finish, the 12-Class is designed to handle tough material and heavy workloads.

12-CLASS

Technical Specifications

Seam Type	501
Seam Width	5/8"
Operating Speed	1600 rpm
Stitch Range	4-12 spi
Threads	1
Installation	Raven Table Automated Railway Semi-Automated Railway

Visit www.merrow.com For More Information

Merrow 12-Class



Turf

Synthetic Lawns
Turf Blankets



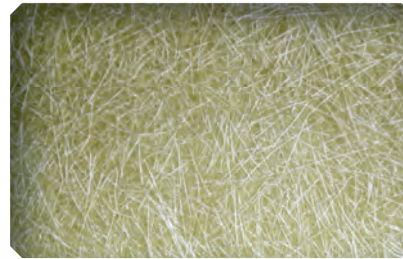
Carpet

Automotive
Marine
Tapestries
Felt Rugs



Upholstery

Mattresses
Seat Covers
Home
Automotive
Marine



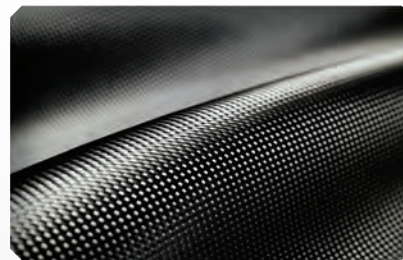
Fiberglass

Mats
Weaves



Leather

Saddles
Belts



Composites

Kevlar
Carbon Fiber
Geotextiles
Dense Weave Filters

NEW for 2014!



The 12-E can be paired with our 10" rotary cutting system for seaming on an automated railway system.

Tables

ACCESSORIES



Merrow Raven Table

Purpose-Built for End-to-End Seaming

- Designed for stability and maneuverability (broad base, centralized mass, and lightweight materials)
- Oil and chemical resistant work surface
- Lockable cartridge bearing castor wheels for high load capacity and light action
- "Wrap around" steel frame protects wheels and internal components
- Flexible treadle mount for compatibility with a variety of foot pedal styles and configurations
- Accepts all sewing motors including the Merrow Air Motor

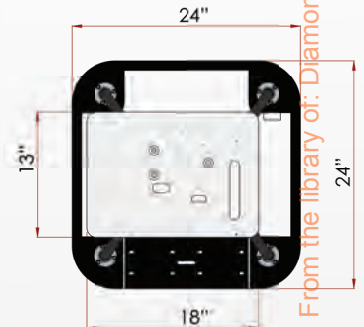
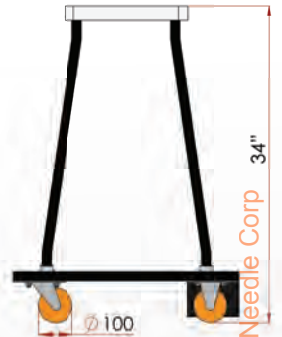
For Use with Merrow:

70-Class
71-Class
72-Class

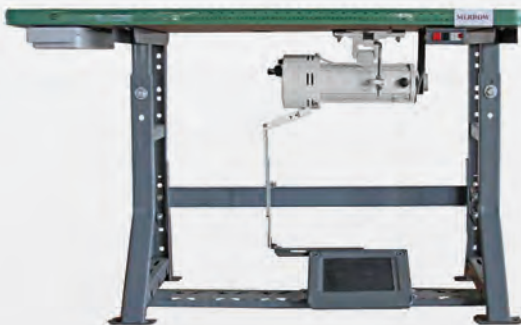
Includes:

Frame, castors, table top, treadle, treadle rod, belt guard and assembly hardware

Maximum Stability & Portability



From the library of: Diamond Needle Corp



K-Leg Table

20" x 48" Sewing Stand

- Heavy-duty adjustable K-Legs
- Durable Formica top for lasting service
- Accepts submerged, semi-submerged, and non-submerged sewing heads

For Use with Merrow:

MB-Class
MG-Class
18-Class

Includes:

Table and all assembly hardware, storage drawer, sewing lamp, treadle (motor not included)



Motors

Merrow Air Motor

Pneumatic Motor for Wet Environments



- Meets EC directive 94/9EC [ATEX 100a] requirements for operating in gaseous or dusty atmospheres
- Approved for wet environments
- Smooth operating, low vibration motor takes up its own wear for prolonged life and durability
- Constructed of extremely durable and lightweight materials for maximum corrosion resistance and portability
- 5 year warranty

Safety, Reliability, and Longevity

Servo Motor

Adjustable Speed Electronic Motor



- High torque, variable speed
- Adjustable rotation
- Energy efficient circuitry
- 110V or 220V
- 1 Year warranty

Adjustable Sewing Speed

Clutch Motor

Standard Sewing Motor



- Open ventilated construction for low temperature operation [air flow is directed away from the operator]
- Long life cork friction compound ensures efficient power transmission

Industry Standard Sewing Motor

Technical Specifications

Motor Type	4-Vane Rotary
Output	1.7 hp
Speed	0- 4000 rpm
Torque	36 - 56 lbs/in
Air Consumption	78 cfm
Installation	Under Table
Weight	13 lbs
Warranty	5 years

For Use with Merrow:

70-Class
71-Class
71-Class

RECOMMENDED for use with 70-D3B-2 CNP, 71-1D-2 CNP, and 71-1D-7 CNP

Technical Specifications

Motor Type	Servo
Output	1/2 hp
Speed	0 - 3450 rpm
Frequency	60 Hz
Phase	Single
Installation	Under Table
Weight	30 lbs
Warranty	1 year

For Use with Merrow:

MB-Class
MG-Class
18-Class

RECOMMENDED for use with Merrow MG-3U

Technical Specifications

Motor Type	Clutch
Output	1/2 hp
Speed	3450 rpm
Frequency	60 Hz
Phase	Single - 3 Phase
Installation	Under Table
Weight	52 lbs
Warranty	1 year

For Use with Merrow:

MB-Class
MG-Class
18-Class

Merrow Genuine Spare Parts

The ONLY Way to Ensure Lasting, Flawless Operation

PARTS & NEEDLES



Needle Plates

- **105 Variations available**
- Hand polished stitch tongues
- .003 Tolerance between plate and machine



Needle Carriers

- Deliver 92 machine strokes per second without bearings
- **Designed in tandem with Needle Carrier Links and Merrow Needles for flawless stitching**



Loopers

- Manufactured and tempered for bending (**all Merrow machines require looper bending**)
- Hand filed
- **Designed in sets for maximum precision between pairs (upper and lower)**



Looper Carriers

- Allow perfect timing between intersection of loopers and needles
- **Only Merrow Looper Carriers have a .016 margin of error between carrier and Merrow cams**
- Machined from high chromium steel



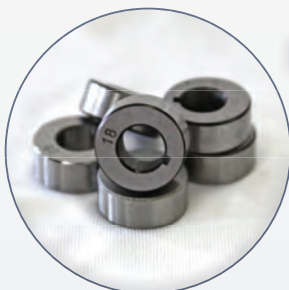
Feed Dogs

- **Over 200 types available**
- Coarse, fine, rubber
- Single or double row
- Accommodate various fabric weights and characteristics



Cutters

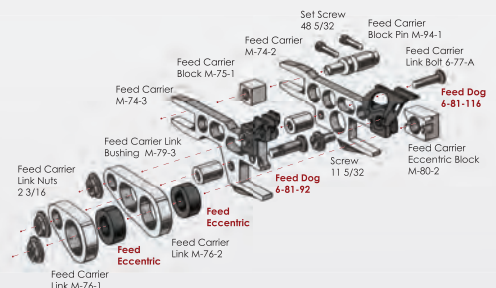
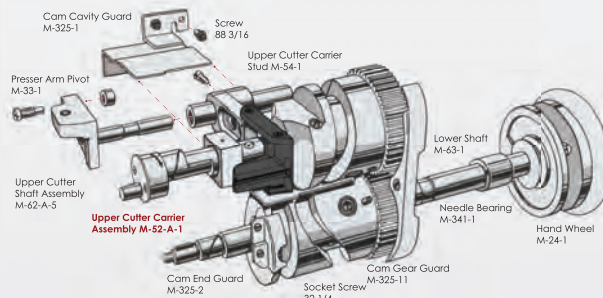
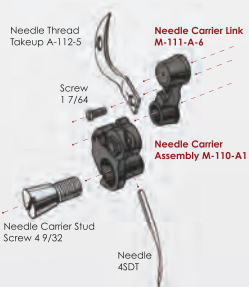
- 65 Different styles available
- Wide, narrow, carbide, serrated
- Machined with heat treated, high carbon steel
- **Longer lasting, more precise cutting**



Eccentrics

- Forged from high chromium bar stock
- Only Merrow Genuine eccentrics are durable enough to operate at 5500 rpm without error
- **Allow adjustment from 2-100 spi**

Each and every part on a Merrow machine is replaceable. We have over 2,000,000 parts in stock to ensure that your Merrow machine avoids downtime and lasts a lifetime.



From the library of: Diamond Needle Corp

Visit www.merrow.com/support for complete machine schematics

Merrow Needles

Premier Needles for Overlock Machines

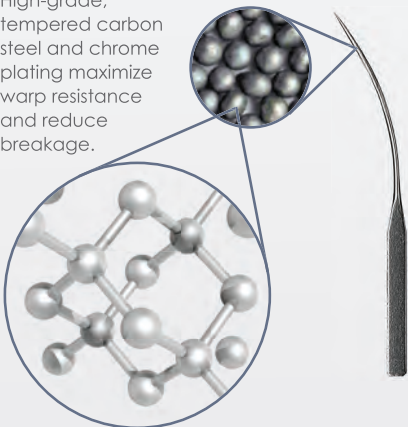
	8	7	6	5	4	3	2	1	0	00	000
Merrow Size	8	7	6	5	4	3	2	1	0	00	000
Equivalent Metric Size	150	130	120	110	100	90	80	70	65	60	55
Titanium Coating Available	■	■	■	■	■	■	■	■	■	■	■
Kooltorr® Coating Available				■		■					
Variations In Point, Blade, And Eye Available					■	■	■	■	■	■	■

PARTS & NEEDLES

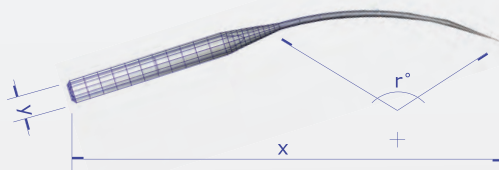
From the library of: Diamond Needle Corp

High Grade Material

High-grade, tempered carbon steel and chrome plating maximize warp resistance and reduce breakage.

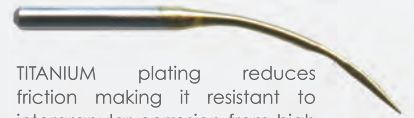


Exacting Fabrication

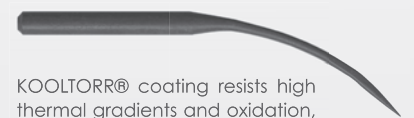


All Merrow Needles are engineered to within one one-thousandth of an inch, and strict quality control measures during manufacture ensure that each needle is made to the same exacting standard.

Specialized Coatings



TITANIUM plating reduces friction making it resistant to intergranular corrosion from high temperatures.



KOOLTORR® coating resists high thermal gradients and oxidation, preventing embrittlement and fracturing.

Merrow Factory Service

The Best Way to Maintain your Merrow

How it Works

1. You Ship your Merrow to the Merrow Factory for FREE

Merrow will send a box with certified safe-packaging to your address. Place your machine in this box drained of oil, and send it to the Merrow factory using the included prepaid shipping label.

2. We Completely Disassemble And Inspect Your Machine

Your machine is disassembled and evaluated by Merrow technicians. Any damaged parts are tagged for replacement and the machine is thoroughly cleaned.

3. We Reassemble And Run-Test Your Machine

Your machine is reassembled with new loopers, cutters, needle(s), and any other parts required to bring your Merrow back to like-new running condition.

4. We Ship Your Machine Back To You As Good As New

After run-testing your machine, we re-package it and send it to your facility sewn off and ready for production.

What You Receive

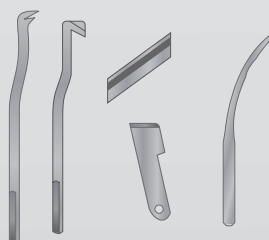
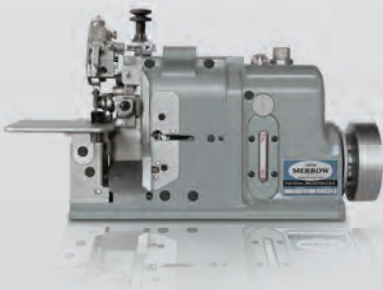
1. FREE Shipping

2. NEW Loopers, Cutters, Needle

3. Expert Diagnosis and Repair By a Merrow Technician

4. Discounts on any Required Additional Parts

5. Years of Additional Life for Your Merrow



Merrow is Available All Over the World

156 Authorized Dealers in 65 Countries Worldwide.

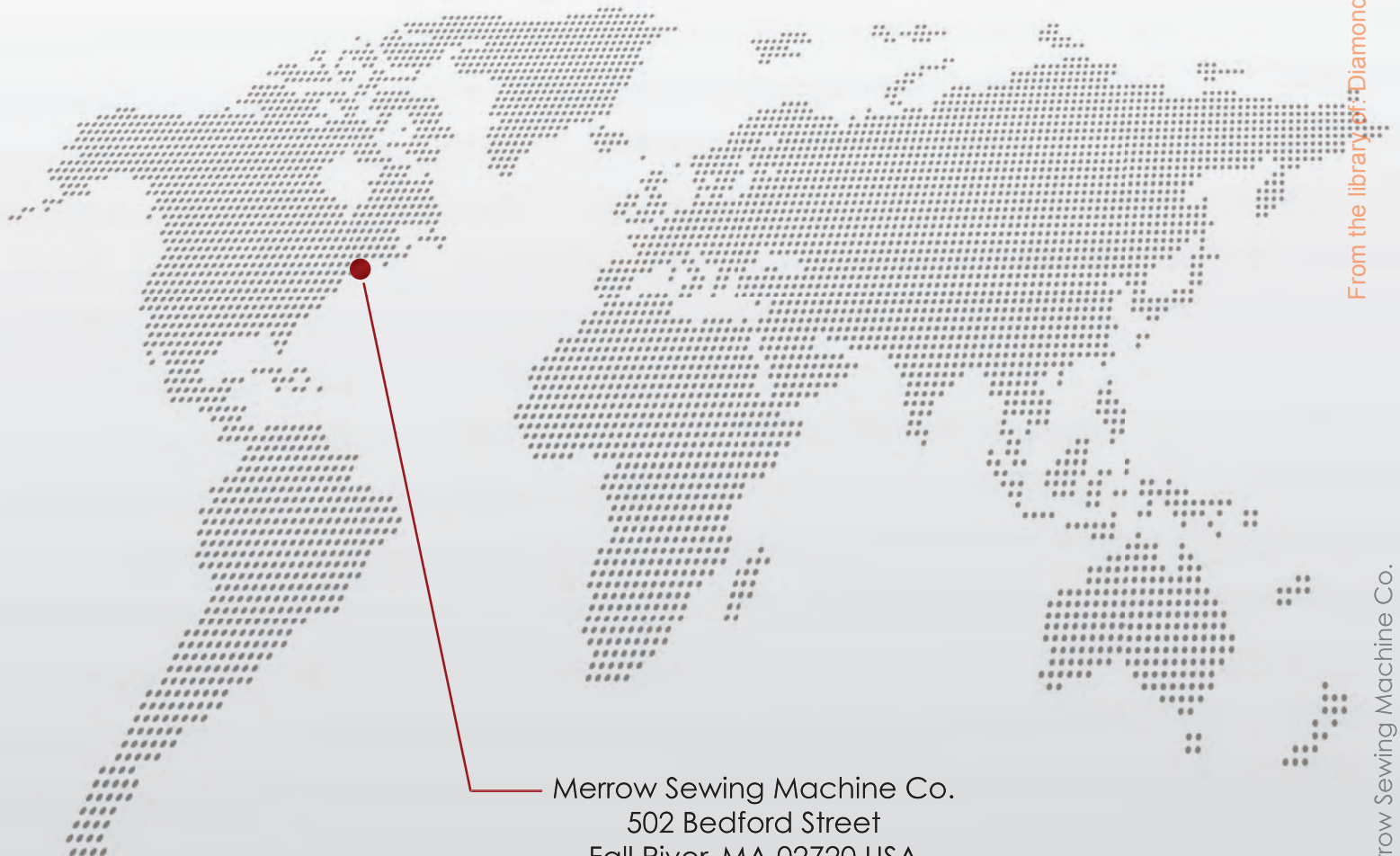
Argentina
Australia
Bangladesh
Belarus
Belgium
Bolivia
Brazil
Canada
Chile
China
Colombia
Costa Rica
Czech Republic

Denmark
Dominican Republic
Ecuador
Egypt
Fiji
Finland
France
Germany
Greece
Guatemala
Haiti
Honduras
Hungary

Indonesia
India
Israel
Italy
Jamaica
Japan
Malaysia
Mauritius
Mexico
Netherlands
New Zealand
Nicaragua
Norway

Pakistan
Panama
Paraguay
Peru
Philippines
Poland
Portugal
Romania
Russia
Saudi Arabia
South Africa
Spain
Sri Lanka

Sweden
Switzerland
Taiwan
Thailand
Trinidad and Tobago
Turkey
Ukraine
United Arab Emirates
United Kingdom
United States
Uruguay
Venezuela
Vietnam



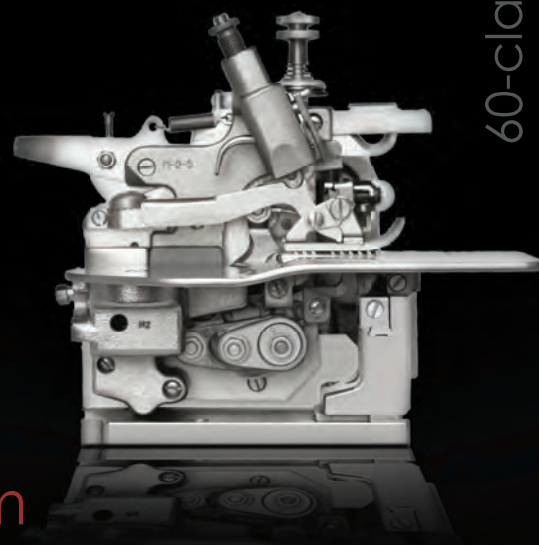
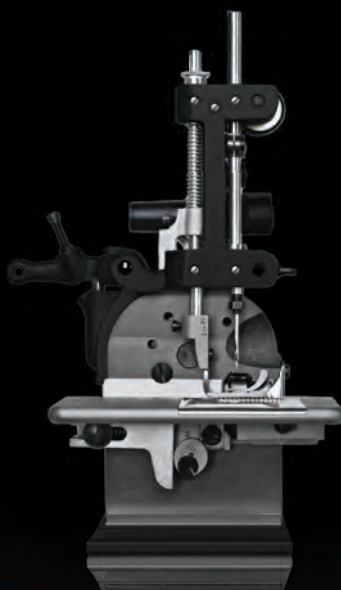
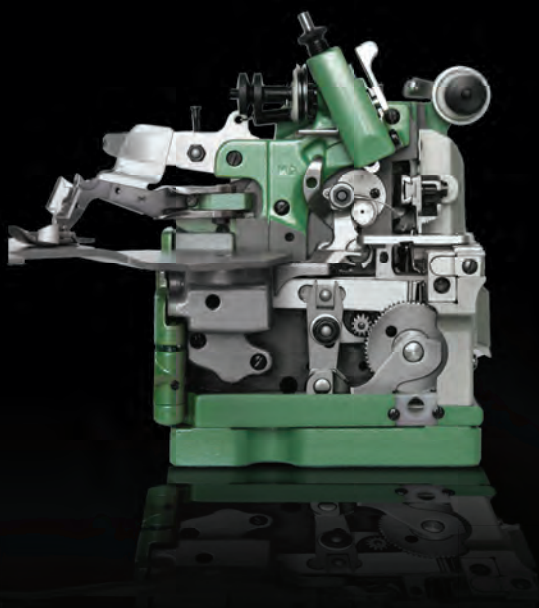
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Fall River, MA 02720 USA
p: +01 508 689 4095 e: sales@merrow.com

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175 Years of Sewing Excellence

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-  MG-Class
-  18-Class
-  70 | 71 | 72 | 12 | Class
-  Accessories



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12-class 15-class 17-class
18-class 22-class 27-class 35-class 40-class 50-class
60-class 70-class 71-class 72-class m-class delta class mg-class mb-class
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