

## ZIG-ZAG MACHINES

### 146RB Series WALKING FOOT

Single needle, drop feed, walking foot, zig-zag, lockstitch machine. Large horizontal axis transverse rotary hook and bobbin, wide zig-zag, reverse feed.

#### SPECIFICATIONS

Max stitch: 5 s.p.i (5mm)  
Max speed: 2500 S.P.M. \*  
Needle: 135 x 17, DP x 17

For sewing medium to heavy weight fabrics that are difficult to feed when sewn. Such as wet suits, shoes, boots, leather, tarpaulins, sails and vinyl.

- 146RB-1A - 2-step / 1-stitch zig-zag
- 146RB-2A - 3-step / 2-stitch zig-zag
- 146RB-3A - 4-step / 3-stitch zig-zag

146RBL-1A/2A/3A  
same as above but with 20-1/2" arm

146RBL-USA  
with extra long 30" arm

-WS - Specially fitted for wet-suits



146RB-WS - Specially fitted for wet-suits



### 199R Series & 199RB DROP FEED Large Bobbin Series

Single needle, drop feed, zig-zag, lockstitch machine. Horizontal axis transverse rotary hook and bobbin, reverse feed, combination zig-zag and straight stitcher.

#### SPECIFICATIONS

Max stitch: 5 s.p.i (5mm)  
Max speed: 2700 - 3000 S.P.M. \*

Versatile! Use for edge sewing, patch sewing, attaching and abutting work, applique work and binding on leather, vinyl, canvas, cloth, lace, etc.



- 199R-1A - Federal Stitch 304. 199RB-1A -Large Bobbin version
- 199R-2A- 3-step/ 2-stitch zig-zag (similar stitch design as Singer 107W15) Federal Stitch 308.
- 199RB-3A -Large Bobbin version
- 199R-3A- 4-step/ 3-stitch zig-zag (similar stitch design as Singer 107W14)
- 199RB-3A -Large Bobbin version
- 199RBL-x LARGE BOBBIN, LONG ARM VERSION
- 199RBL-1A/2A/3A -as above but with 20" arm
- 199RBL-USA with extra long 30" arm

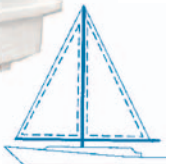
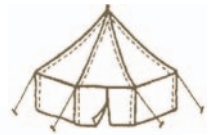
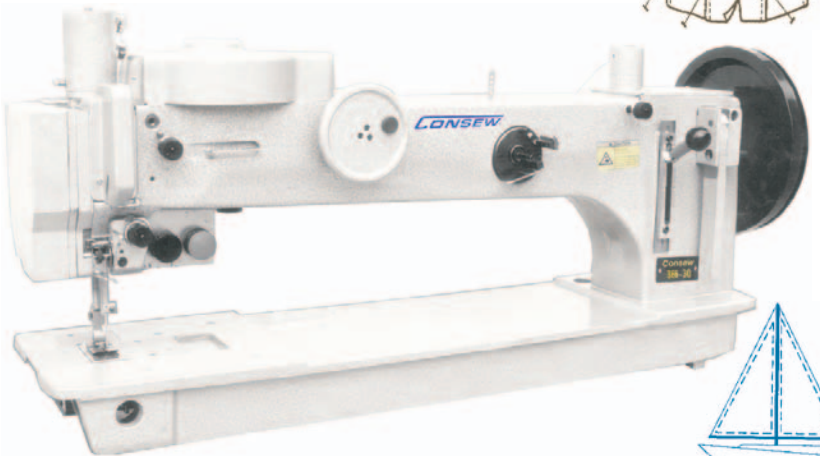
## 366-30 LONG ARM ZIG-ZAG MACHINE

Heavy Duty, Single Needle, Straight Stitch and ZIG-ZAG, Long-arm Machine.

With up to 10mm stitch length, 1 - 2 or 3 step operation. Changeable Zig-Zag Cams, Fast conversion to different stitches and needle sizes, Large transverse shuttle hook and bobbin, Bobbin winder on top of head, Presser foot lift up to 20 mm (with knee control), Large hand-wheel, Easy foot lift control, Push-button control for intermittent tacking and 1/2 stitch needle adjustment, Optional top and bottom puller feed available.

•Great for sewing various kinds of leather, synthetic, vinyl, canvas and working on large pieces. The zig-zag operation is particularly suited for the production of sails, tents, tarpaulins & leather goods

Max. speed: 600 r.p.m \*  
Max. stitch length: 10 mm  
Zigzag stitch width: 0-12 mm  
Needle bar stroke: 50.8 mm  
Max Presser Lift: 20 mm  
Needle size: DYx3 25#  
Shuttle hook: KSP-204N



## FEED-OFF-THE-ARM ZIG-ZAG MACHINES

### 347R Series

DROP FEED

347R-1A Single needle, drop feed, 1-stitch zig-zag lockstitch machine (304) with feed-off-the-arm, horizontal axis transverse rotary hook, reverse feed.

For sewing light to medium weight materials including leather and vinyl. Designed for stitching on cylindrical objects and to close many kinds of apparel or accessory articles. Also used for

decorative types of stitching.

347R-2A 3 step/2 stitch zig-zag (308)

347R-3A 4 step/3 stitch zig-zag

Max. stitch: 5 s.p.i. (5mm)  
Max. speed: 3000 S.P.M.  
Needle: 135 x 5



### 347R-1A-UF

Single Needle, Feed-Off-The-Arm Upper and Lower Feed, Cylinder Bed, Zig-Zag Machine with Horizontal Axis Transverse Rotary Hook & Reverse Feed

Also: 347R-2A-UF (2 stitch zigzag)  
347R-3A-UF (3 stitch zigzag)  
347R-2A-WS (2 stitch zigzag)  
347R-3A-WS (3 stitch zigzag)

**Uses:** Any tubular pieces. Upper & lower feed mechanism avoids puckering and slippage. Good for any stretchable material, such as rubber coated cloth, vinyl, elastic, orthopedic braces.

### 347R-1A-WS

especially for wetsuits.

2-stitch and 3-stitch types are good for reinforcing stitches on heavier materials.

### WALKING FOOT UPPER & LOWER FEED



#### Specifications:

Sewing speed	2,800 s.p.m.
Stitch length	5 mm (max)
Zigzag width	10 mm (max)
Cylinder diameter	55 mm
Cylinder length	225 mm
Presser bar lift	5 mm