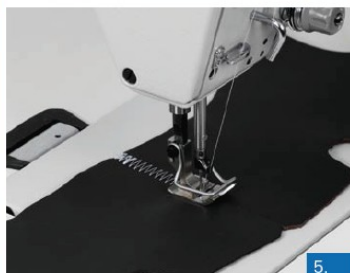
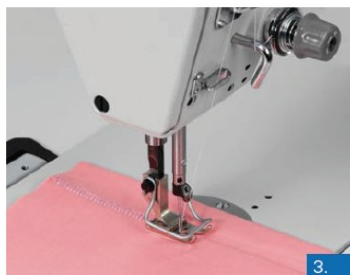


BOMBELLI GIANCARLO S.p.A.

Capitale Soc. Euro 600.000 int. versato
 Sede Amministrativa:
 20015 S. Lorenzo di Parabiago (Milano - Italy)
 SS. del Sempione 49/51
 S. 0331.55.10.25 (7 linee)
 P.O. Box 88
 TELEFAX 0331.55.16.72
 E-Mail: bombelli@bombelli-spa.com
 E-Mail: sales@bombelli-spa.com
 http://www.bombelli-spa.com
 Partita IVA IT 00785890120
 R.E.A. Milano 1028058
 R.E.A. Varese 157300
 Codice Fiscale e Numero Iscrizione
 Registro Imprese di Varese 00785890120
 Meccanografico Varese 028137
 Sede Legale:
 21052 Busto Arsizio (Varese)
 Via Zappellini, 6

ZIGZAG MACHINES FOR MEDIUM-WEIGHT APPLICATIONS

1



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The robust universal zig zag machines in an advanced version

Ideal sewing characteristic, universal use, easy handling and high reliability – all of these features are asked for in the zig-zag sector. The lockstitch zigzag sewing machines classes 523i/524i/527i fulfil these demands in every aspect.

Wide range of zigzag operations from light to heavy weight textile and leather materials as well as synthetic fabrics can be easily realised with the machines.

Your advantages

- Facelift with modern elements and actual DA design components (for stitch length, thread tension, thread control, etc.)
- New thread trimmer (*CLASSIC*) ensures secured cutting, now also for thick threads up to 10/3
- Modified lubrication and a reservoir in the machine arm reduce maintenance, guarantee the correct lubrication doses and protect the hook against wear
- New adjustable bobbin break spring (*CLASSIC*) – the force of the spring can be adjusted by a regulation spring for better stitching results
- New needle thread tension regulation for more precise tension adjustment
- Optimized bobbin winder with easier adjustment of max. value
- Improved working conditions for the operator by reduced noise level and less vibrations
- New zigzag setting device – easy adjustment of zigzag width with low force
- Easy stitch length setting – adjustment without lever by turn button
- New push button for back-tacking (*CLASSIC*) ensures better reliability, additionally attached needle positioning button
- Use of incorporated mini motor and quick connection from the head to the motor (*CLASSIC*)
- Optimized thread trimming system with adjustable bobbin break spring (*CLASSIC* version) for better stitching results
- New oil pan
- Needle bar positioning on left, middle or right side of the throat plate enables universal operations

523i/524i/527i – more efficient and versatile!

1. Classes 523i/524i/527i *ECO*

Universal zig zag machines for sewing of various kinds of light- and medium weight fabrics (classes 523i/524i), medium to medium-heavy weight materials in shoe industry and technical textiles (class 527i).

2. Classes 523i/524i/527i *CLASSIC*

Universal zig zag machines for sewing of various kinds of light- and medium weight fabrics (classes 523i/524i), medium to medium-heavy weight materials in shoe industry and technical textiles (class 527i). With thread-trimmer, auto foot lift and automatic backtacking device.

3. Class 523i

Machines are used for wide range of operations in garment industry for stitching of light-weight woolen and synthetic materials.

4. Class 524i

Easy stitching of various types of textile and light-weight leather materials. Machines are equipped with large capacity hook, maximum zig zag width is 10 mm.

5. Class 527i

Butt-joining seams on shoes and other leather articles are sewn with the sewing equipment No. S791 400023. The guiding nose in the throat plate allows a seam margin parallel to the edge.








6. Class 527i










Three different sewing equipments for making cording seams with or without filled cord. The seam margins are 4, 5 or 7 mm.


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The technical data of the zigzag machines 523i, 524i and 527i

| |  | Stiche/min Stitches/min Points/min | Nähgut Material Matériau |  |  |  |  | Wulstnähte Cording Espace |  |  |
|----------|---|--|--------------------------------|---|---|---|---|---------------------------------|---|---|
| | V+R | | | [mm] | | | [mm] | [mm] | | |
| 523i-411 | 5,0 | 5.000 | L, M | 6,0 | ● | | | | | ● |
| 523i-447 | 5,0 | 5.000 | L, M | 6,0 | ● | | | | ● | ● |
| 524i-811 | 5,0 | 4.400 | M, MS | 10,0 | ● | | | | ● | ● |
| 524i-847 | 5,0 | 4.400 | M, MS | 10,0 | ● | | | | ● | ● |
| 527i-811 | 5,0 | 3.400 | M, MS | 10,0 | ● | ○ | 3, 4, 5 | 4, 5, 7 | | ● |
| 527i-847 | 5,0 | 3.400 | M, MS | 10,0 | ● | ○ | 3, 4, 5 | 4, 5, 7 | ● | ● |











| |  |  |  - System |  • Nm |  mm  |  |  |  Nm Synthetik Synthetic Synthétique | Baumwolle Cotton Coton |
|----------|--|--|---|---|--|--|--|--|------------------------------|
| 523i-411 | ● | | 134 | 80 - 110 | 12,0 | ○ | ○ | 20/3 | 30/3 |
| 523i-447 | ● | | 134 | 80 - 110 | 12,0 | ● | ● | 20/3 | 30/3 |
| 524i-811 | | ● | 134 | 80 - 110 | 12,0 | ○ | ○ | 20/3 | 30/3 |
| 524i-847 | | ● | 134 | 80 - 110 | 12,0 | ● | ● | 20/3 | 30/3 |
| 527i-811 | | ● | 134-35 | 110 - 160 | 12,0 | ○ | ○ | 10/3 | 20/3 |
| 527i-847 | | ● | 134-35 | 110 - 160 | 12,0 | ● | ● | 10/3 | 20/3 |

| |  | Nennspannung Nominal voltage Tension nominale | Leistungsaufnahme Power consumption Puissance consommée | Gewicht, Oberteil. Weight, sewing head Poids, tête machine | Gewicht, komplett Weight, complete Poids, complet | Abmessungen (Länge, Breite, Höhe) Dimensions (Length, Width, Height) Dimensions (Longueur, Largeur, Hauteur) |
|------|---|---|---|--|---|--|
| | [mm] C D | [V], [Hz] | [kVA] | [kg] | [kg] | [mm] |
| 523i | 265 120 | 230 V, 50/60 Hz | 0,8 (max.) | 40 | 80/90 | 1.060 550 1.700 |
| 524i | 265 120 | 230 V, 50/60 Hz | 0,8 (max.) | 40 | 80/90 | 1.060 550 1.700 |
| 527i | 265 120 | 230 V, 50/60 Hz | 0,8 (max.) | 40 | 80/90 | 1.060 550 1.700 |

L = Leichtes Nähgut
M = Mittelschweres Nähgut
MS = Mittelschweres bis schweres Nähgut
S = Schweres Nähgut
● = Serienausstattung
○ = Zusatzausstattung
V+R = Vorwärts + Rückwärts

L = Light weight material
M = Medium weight material
MS = Medium weight to heavy weight material
S = Heavy weight material
● = Standard equipment
○ = Optional equipment
V+R = Forwards + backwards

L = Tissu léger
M = Tissu moyen
MS = Tissu moyen à lourd
S = Matériau lourd
● = Equipement standard
○ = Equipement complémentaire
V+R = Marche avant + marche arrière

|  |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|---|---|---|---|---|
| Eine Nadel | Zwei Nadeln | Zickzack-Doppelsteppstich | Untertransport | Horizontalgreifer, querstehend, klein | Horizontalgreifer, querstehend, groß | Fadenabschneider unter der Stichplatte | Nahtverriegelung, handbetätigt | Nähfußlif-tung, automa-tisch | Nahtverriegelung, automatisch |
| Single needle | Two needles | Zigzag lock-stitch | Bottom feed | Horizontal hook, transversal, small | Horizontal hook, transversal, large | Underbed thread trimmer | Seam back-taking, actuated by hand | Sewing foot lift, automatic | Seam back-taking, automatic |
| Une aiguille | Deux aiguilles | Point noué zig-zag | Entraînement inférieur | Crochet horizontal, en travers, petit | Crochet horizontal, en travers, surdimensionné | Coupe-fil sous la plaque à aiguille | Point d'arrêt manuel | Lève-pied, automatique | Point d'arrêt automatique |