
**Textile machinery and accessories —
Flat warp knitting machines —
Numbering of guide bars**

*Matériel pour l'industrie textile — Machines à tricoter rectilignes à
mailles jetées — Numérotage des barres à passettes*



Reference number
ISO 10223:2005(E)

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Foreword

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Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 10223 was prepared by Technical Committee ISO/TC 72, *Textile machinery and machinery for dry-cleaning and industrial laundering*, Subcommittee SC 3, *Machinery for fabric manufacturing including preparatory machinery and accessories*.

This second edition cancels and replaces the first edition (ISO 10223:1992), which has been technically revised.

Textile machinery and accessories — Flat warp knitting machines — Numbering of guide bars

1 Scope

This International Standard specifies the designation and the numbering of guide bars for flat warp knitting machines.

NOTE The figures in this International Standard are given as examples. They do not represent the only, or even the most common arrangement.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 8640-1, *Textile machinery and accessories — Flat warp knitting machines — Part 1: Vocabulary of basic structure and knitting elements*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 8640-1 apply.

4 Designation and abbreviation of guide bars

The numbering of guide bars — general abbreviation: B — is done from front to back and from bottom to top using continuous Arabic figures 1 to *n*.

Table 1

Designation	Abbreviation	Example with position number
Guide bar	B	B 1
Ground guide bar	GB	GB 1
Pattern guide bar	PB	PB 1
Jacquard guide bar	JB	JB 1
Filler thread guide bar	FB	FB 3

5 Numbering of guide bars

5.1 RL (single) flat warp knitting machine

5.1.1 RL (single) tricot machine

Guide bar 1 (B 1) is the foremost positioned bar with yarn guides or yarn guide units (see Figure 1).

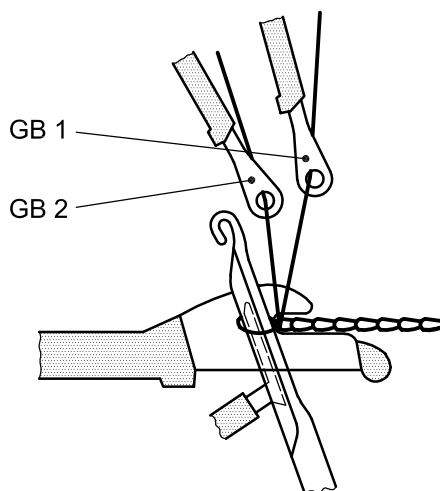


Figure 1 — RL (single) tricot machine with 2 ground guide bars (GB 1, GB 2)

5.1.2 RL (single) Raschel machine

Guide bar 1 (B 1) is the foremost positioned bar with yarn guides or yarn guide units (see Figures 2 and 3).

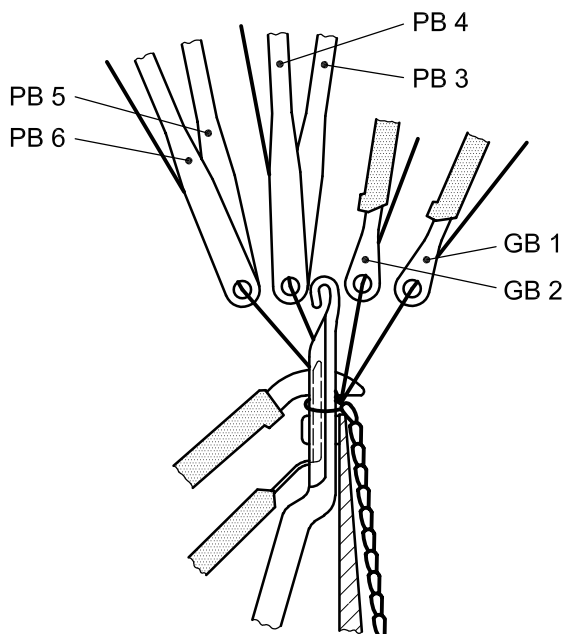


Figure 2 — RL (single) Raschel machine with 6 guide bars, of these 2 ground (GB 1, GB 2) and 4 pattern guide bars (PB 3 to PB 6)

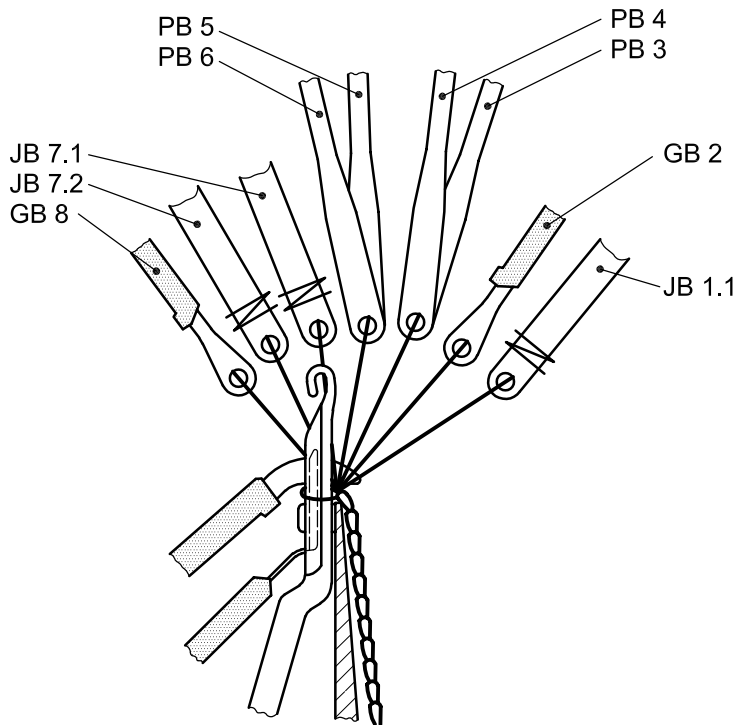


Figure 3 — (single) Raschel machine with 8 guide bars, of these 2 ground guide bars (GB 2, GB 8), 4 pattern guide bars (PB 3 to PB 6), 1 Jacquard split guide bar with half gauge (JB 1.1) and 1 Jacquard guide bar consisting of 2 Jacquard split guide bars each with half gauge (JB 7.1, JB 7.2)

5.1.3 RL (single) crochet machine

Guide bar 1 (B 1) is the foremost and lowest positioned bar with yarn guides or yarn guide units (see Figure 4).

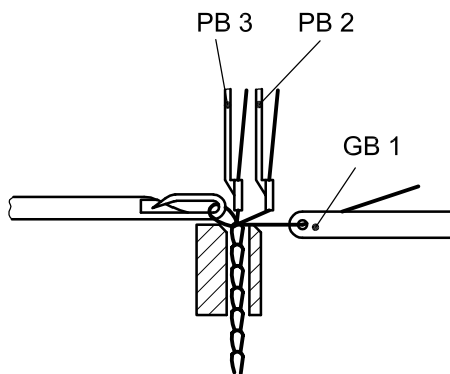


Figure 4 — RL (single) crochet machine with 3 guide bars, of these 1 ground (GB 1) and 2 pattern guide bars (PB 2, PB 3)

5.1.4 RL (single) stitch bonding machine

Guide bar 1 (B 1) is the foremost and lowest positioned bar with yarn guides or yarn guide units (see Figure 5).

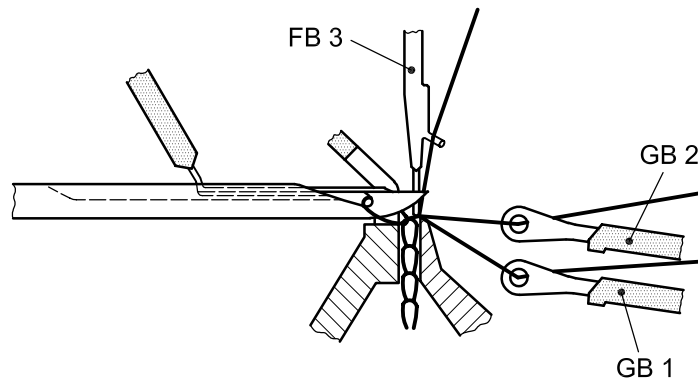


Figure 5 — RL (single) stitch bonding machine with 3 guide bars, of these 2 ground (GB 1, GB 2) and 1 filler thread guide bar (FB 3)

5.2 RR (double) flat warp knitting machine

5.2.1 RR (double) tricot machine

Guide bar 1 (B 1) is the foremost positioned bar with yarn guides or yarn guide units (see Figure 6).

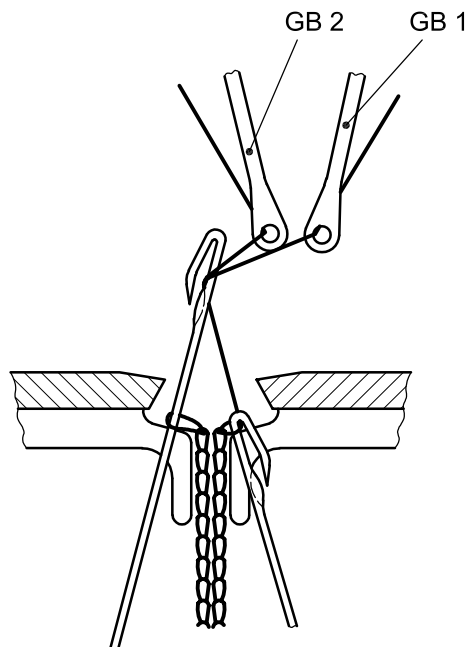


Figure 6 — RR (double) tricot machine with 2 ground guide bars (GB 1, GB 2)

5.2.2 RR (double) Raschel machine

Guide bar 1 (B 1) is the foremost positioned bar with yarn guides or yarn guide units (see Figure 7).

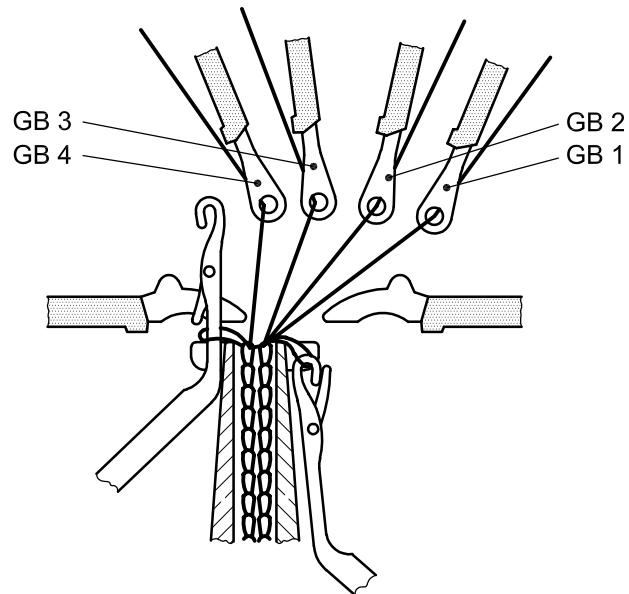


Figure 7 — RR (double) Raschel machine with 4 ground guide bars (GB 1 and GB 4)

Bibliography

- [1] ISO 7839, *Textile machinery and accessories — Knitting machines — Vocabulary and classification*

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