

Note: *Option #1* should be used for **Fleece 3xDF** and **Terry 1.5xTR** due to the significant difference in yarn feeding rate for different yarns.

In Fleece set-up, use:-

- lower aluminium ring for Tie-In and Ground (or Knit-In) yarns, and
- upper aluminium ring for Fleece (or Lay-In) yarns.

In Terry set-up, use:-

- lower aluminium ring for Ground yarns, and
- upper aluminium ring for Plush yarns.

The Q.A.P. by Memminger-IRO come in 2 types, i.e.:

Type (Quoted By Its Diameter)	Effective Working Diameter Range
Diameter Ø90mm - Ø175mm	Ø95mm - Ø170mm
Diameter Ø90mm - Ø250mm	Ø95mm - Ø245mm

Table (3.2) Effective Q.A.P. Diameters

The type with diameter Ø90mm - Ø250mm is usually required for fabrics with exceptionally high yarn feeding amount such as the terry/plush fabric with pile height 2.9mm and above.

Other than Memminger-IRO, other suppliers provide the following Q.A.P. types:

- Ø70 - Ø200mm
- Ø90 - Ø200mm

Note: "Ø" = symbol for diameter

3.2 Knitting Technology and Cams

3.2.1 Knitting Technology

3.2.1.1 Knitting Needles

The needles used on Unitex machine are called latch needle. The following figure illustrates the nomenclature.

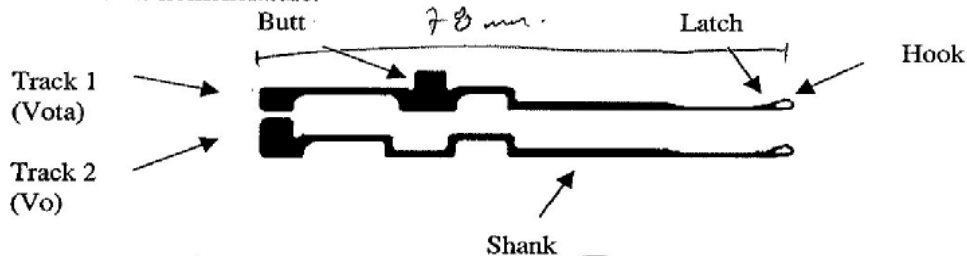


Fig (3.1): Nomenclature of a Latch Needle (Vota 78 and Vo 78)

78 refers to a length