

ANCHOR[®] TIP

IMPROVE YOUR PIPETTING
PERFORMANCE



ANCHOR[®] TIP

THE RELIABLE SOLUTION FOR YOUR LIQUID TRANSFER

Fully automated pipetting systems require high standards. In particular, precise tip pick-up is a crucial process step.

The interface between the consumable (tip) and the pipettor (tip cone) significantly affects the performance of the complete pipetting system.

STRATEC addresses these challenges and provides a solution for your automated pipetting needs.

STRATEC's Anchor[®] Tips combine ultimate positioning accuracy with a consistent pick-up and release process, which ensures reliable pipetting.

YOUR REQUIREMENTS

Reliable tip connection
Accurate tip positioning
Safe tip eject



ANCHOR[®] TIP

Smooth pick up

No tip loss due to **controlled grip strength and snap fit**

High retention force whilst ensuring smooth eject due to

Snap-in / anchor mechanism

Hard stop at **defined z-position**

Reproducible z-height allows **fast and reliable pipetting**

Less underpressure at tip eject due to **optimized venting**

Self centering tip collars ensure **precise pick-up**

ANCHOR® TIP TRAY

Smooth tip pick-up, as tips are centered in spherical tip nest

4x24 grid allows flexible instrument deck design as portrait and landscape orientation are possible

If needed transportation in automated systems



Standard pipetting

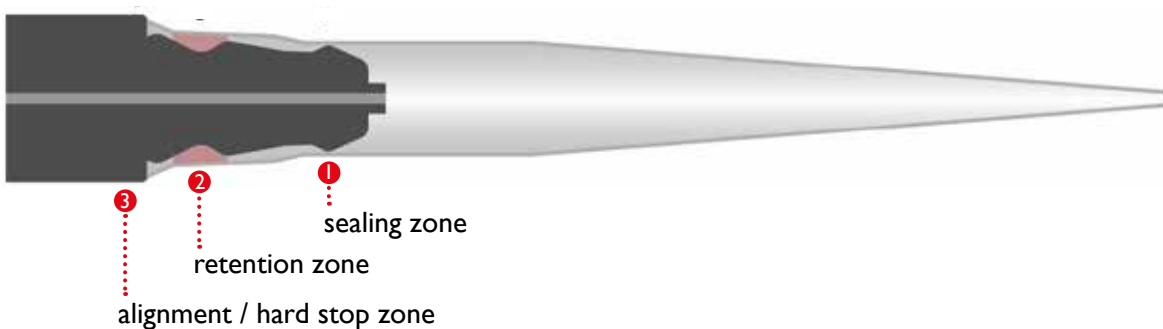
The tip is fixed on the cone of the pipettor by friction. In order to achieve a reliable seal, the tip is pressed and stretched around the shaft. The accurate position of the tip on the shaft and the retention force therefore vary.



Anchor® Tip concept

Three pronged micro-grips in the tip collar ensure an accurate x, y, z positioning (self centering) and a constant force with which the tip is retained. During tip release, the seal between collar and cone is broken just prior to ejection, thus preventing splash backs during tip ejection.

The interface between tip and cone can be divided into three sections: sealing zone, retention zone and alignment / hard stop zone. The STRATEC concept provides an innovative and reliable solution, where the tip is directly anchored onto the pipettor cone.



SPECIFICATIONS

ANCHOR® TIP

Intended use	Liquid transfer on fully automated analytical systems Single use
Material	Polypropylene medical grade
Color	Clear
Sterility	Non-sterile
Nominal volume	300 µL
Nominal length	55 mm (± 0.2 mm) *
Straightness / runout (TIR)	Diameter 0.5 mm *
Application	Purity level is targeted towards applications such as ELISA, CLIA and biochemical screening

ANCHOR® TIP TRAY

Material	Polypropylene based
Color	Black
Sterility	Non-sterile
Size	Grid size of 9 mm
Tray format	4 x 24 Anchor® Tips

PACKAGING QUANTITY

Single Unit	Cardboard package Case of 2 packs Pkg of 96 Anchor® Tips (racked)
Shipping Unit	5760 Anchor® Tips (30x Single Unit)

ENVIRONMENTAL CONDITIONS

Shipping conditions	- 10 °C to + 60 °C for a maximum of 3 days Humidity: 10 - 90 %
Storage conditions	+ 2 °C to + 32 °C for a maximum of 3 years Humidity: 20 - 80 % Keep away from sunlight

COMPATIBILITY

Designed for STRATEC Air Displacement Pipettor family and KleeYa

LEGAL, REGULATORY

Compliant to ISO 13485 | All products are manufactured in a controlled environment, based on EN ISO 14644 (ISO 8), with premium raw materials

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