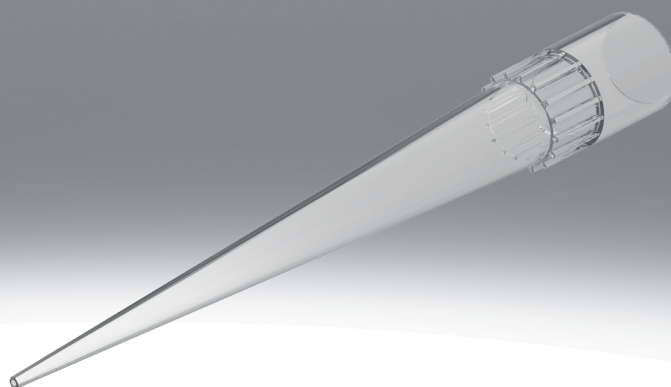


Disposable tip DHAP

FESTO



Characteristics

At a glance

The single-use pipette tip DHAP is a laboratory component that can be used anywhere and is intended to be integrated into automated liquid handling systems. The single component is for research use only and not for medical or diagnostic use. The use of the component in a medical or diagnostic environment (IVD) is the sole responsibility of the user and must be validated within the liquid handling system. Note: The single-use pipette tips, such as the pipette heads DHOE and DHOP, are suitable for Festo pipetting solutions.

Volume

[20]	20 µl	[300]	300 µl
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[1000]	1000 µl
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Note: The tip volume refers to the maximum amount of liquids that can be aspirated. The pipetting head determines the smallest volumes that can be dispensed.

Filter and sterile

[FS]	Yes	[]	No
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Type of packaging

[S]	Stack	[R]	Rack
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Type code

001	Product type	
DHAP	Accessories for pipettes	
002	Volume	
20	20 µl	
300	300 µl	
1000	1000 µl	
003	Output connection	
TA1	Tip adapter for 20 ... 1000 µl pipette tips from Festo	

004	Filter and sterile	
FS	Yes	
	No	
005	Packaging quantity [pieces]	
P960	960	
006	Type of packaging	
R	Rack	
S	Stack	

Datasheet

General technical data

Design	Pipette tip holder for 20...1000 µl single-use tips from Festo
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Operating and environmental conditions

Bioburden	DNase: ≤ 5E-7 Kunitz u./µl Free of BSE/TSE RNase: ≤ 5E-9 Kunitz u./µl Endotoxin: ≤ 0.001 EU/ml DNA: < 32 pg human DNA ATP: < 2E-12 mg/µl
Sterility	SAL 1E-6, pre-sterilised
Storage temperature	5 ... 40 °C
Note on storage temperature	Temporarily during transport in packaging -25 ... 55°C
Ambient temperature	5 ... 40 °C
Environmental conditions	Atmospheric pressure 80 ... 106 kPa
Relative air humidity	10 - 90%, Non-condensing
Corrosion resistance class CRC ¹⁾	4 - Very high corrosion stress

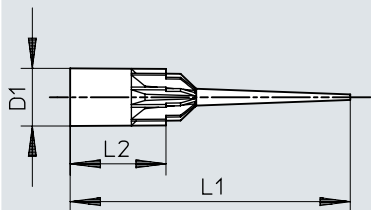
1) More information www.festo.com/x/topic/kbk

Materials

Note on materials	RoHS-compliant
Pipette tip material	PP
LABS (PWIS) conformity	VDMA24364 zone III

Dimensions

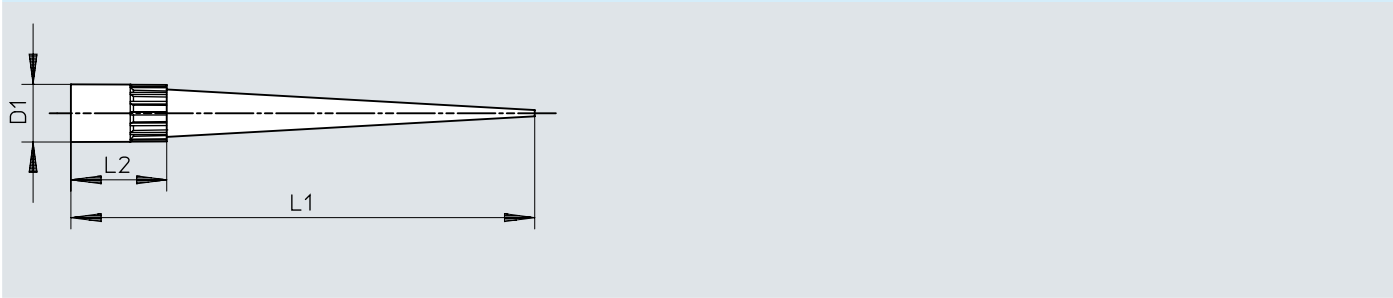
Dimensions – DHAP-20-...

[Download CAD data → www.festo.com](http://www.festo.com)


	D1 Ø	L1	L2
DHAP-20-TA1-P960S	7,7	37,1	12,7
DHAP-20-TA1FS-P960S			

Dimensions

Dimensions – DHAP-...300-... Download CAD data → www.festo.com

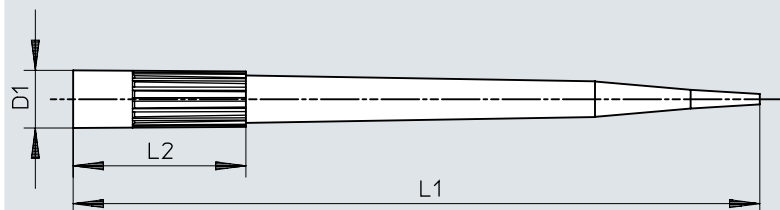


	D1 Ø	L1	L2
DHAP-300-TA1-P960S	7,7	61,4	12,7
DHAP-300-TA1FS-P960S			

Dimensions

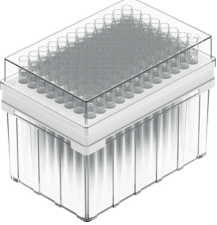
Dimensions – DHAP-...1000-...

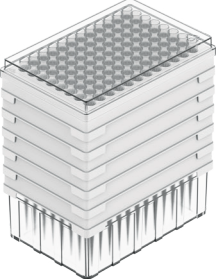
Download CAD data → www.festo.com



	D1 Ø	L1	L2
DHAP-1000-TA1-P960S	7,7	90,9	22,9
DHAP-1000-TA1FS-P960S			

Ordering data

Single-use pipette tip, rack							
	Volume	Filter	Sterility	Packaging type	Size of pack	Part no.	Type
	20 µl	yes	SAL 1E-6, pre-sterilised	Rack	960	8160285	DHAP-20-TA1FS-P960R
	300 µl					8160286	DHAP-300-TA1FS-P960R
	1000 µl	-	-			8160284	DHAP-1000-TA1-P960R
		yes	SAL 1E-6, pre-sterilised			8160287	DHAP-1000-TA1FS-P960R

Disposable pipette tip, stack							
	Volume	Filter	Sterility	Packaging type	Size of pack	Part no.	Type
	20 µl	-	-	Stack	960	8160282	DHAP-20-TA1-P960S
	300 µl					8160283	DHAP-300-TA1-P960S