Chromatography

MACHEREY-NAGEL

Optimal crimping



Examples for an optimal crimp result

For an optimal crimp result the crimping tool needs to be adjusted to:

- Type and height of the vial's crimp neck
- Thickness and hardness of the septa
- Properties of the cap (type, material)

Please refer to the user manual of the individual tool.



Standard crimping tool



Ergonomic crimping tool



Battery-powered crimping tool



High performance crimping tool

Do you achieve any of the following crimp results?



Cap deformation

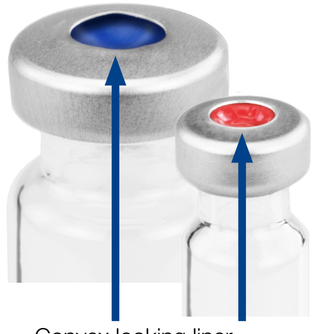


Pulled up edge of the center hole

Cause: Crimping pressure too high.
Tip: Reduce crimping pressure in small grades.



Strong formation of wrinkles



Convex looking liner



Cap can be turned easily with 2 fingers

Cause: Crimping pressure too low.
Tip: Increase crimping pressure in small grades.

Visit our website and find

- the adequate crimping tool for your needs
- an information video for battery-powered tools

General tips for optimal crimping:

- Position the tool at a right angle
- Continuously monitor the crimping result and the tools's settings
- The rotation test is only of limited value – do not perform it with excessive force or using your entire hand
- If the result is incorrect, always proceed with a new vial and a new cap
- Beveled crimp necks and magnetic caps generally require higher pressure
- Always adjust the pressure and height independently of each other when using the standard tool
- Do not perform repairs on your own
- Determine the optimal tool for your needs in advance

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EN ISO 13485:2016
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