

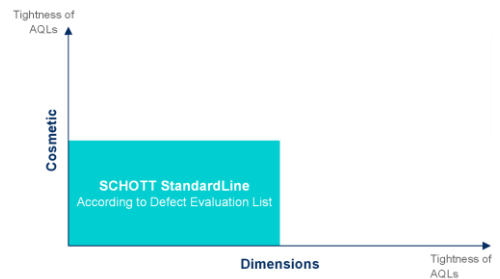
Ampoules easyOPC

Datasheet



Ampoules easyOPC – SCHOTT Pharma’s latest glass ampoule innovation for safe and easy ampoule opening

- 89% of health care professionals have difficulties in opening ampoules, which could generate more than €1 billion in costs for the pharmaceutical industry.
- SCHOTT Pharma’s innovation Ampoules easyOPC undergo an improved production process on top of StandardLine ampoules, that leads to a reduced breakforce range (from 25-65 N, depending on ampoule format) while eliminating deviations.
- Furthermore, these ampoules have an AQL (Acceptable Quality Limit) of 0.01 for pharmaceutical companies and 50 ppm* in the product lot as an amendment to the StandardLine specification for break-force defect.



Particle loss can be reduced up to 60% if combined with proper opening technique



Reduction in unbreakable ampoules resulting in less market complaints



Even tighter and more consistent break force than OPC.



Safe and easy opening reduces risk of injury at point of use



Decreased time to market since no need to change registration files



SCHOTT FIOLEX® clear or amber glass tubing



Type I Borosilicate Glass with high chemical resistance acc. to ISO- 9187-1



Tight dimensional control



Tight cosmetic control

Improved Total Cost of Ownership

Decreased quality costs due to reduced unbroken glass ampoules and complaints from the end user.

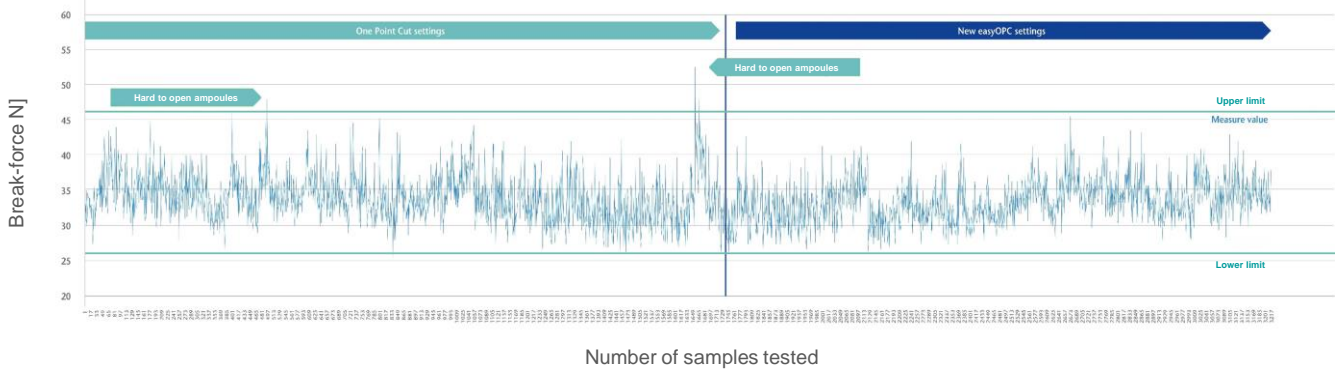
Safe and easy administration

Protecting the medicine inside while lowering the risk of injury to nurses and doctors.

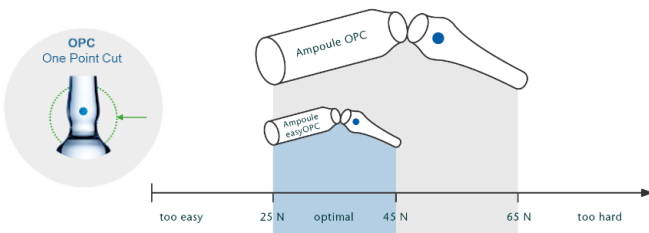
Break-force measurements:

Comparison between easyOPC and OPC standard:

Reference range: 26-46 N / Ampoule 1 ml Form C



Improved ISO 9187-2:



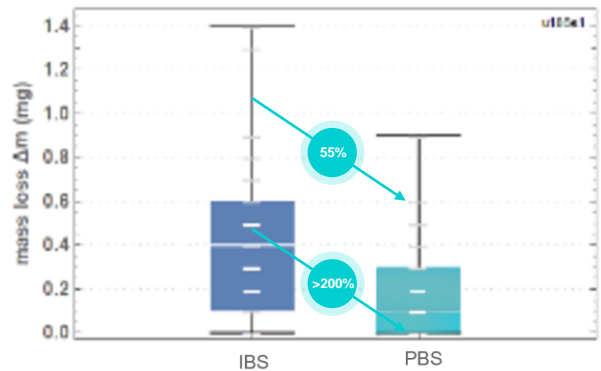
Ampoules size	OPC ISO 9187-2	easyOPC
1ml – 3ml	24- 65N	24- 45N
5ml	30- 70N	30 – 60 N
10ml – 20ml	30- 80N	30 – 65 N
Quality		
	AQL: 0,4	50ppm

Partikel reduction:

Comparison between state of the art-and wrong opening with OPC break-force system. Best Break-system combined with state-of the art opening technique reduces mean load of particles up to 60%.

Mass loss for 2ml ampoules

IBS* max. particles 1.4 mg > PBS** max particles 0.9 mg
 IBS mean particles ~ 0.4 mg > PBS mean particles 0.17 mg



*IBS: Improper break system
 **PBS: Proper break system

General ordering information

Quality level	StandardLine					
Form:	B, C and D					
Break-system:	easyOPC					
Optional painting:	More than 10 colors available for OPC dot, text or logos					
Packaging:	Tray					
Palletizing*:	A standard Euro Pallet (1200 x 800 mm) contains 7 – 17 layers of 12 trays each					
Formats:	1 ml	2 ml	3 ml	5 ml	10 ml	20 ml
Pieces per tray*:	525	525	377	275	189	144

* configuration of packaging and/or palletizing can deviate based on local conditions

Many Standard Ampoules configurations are available.

Contact your sales representative for more information.

FIND OUT MORE:
www.schott-pharma.com/ampoules