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**HEINLEIN PLASTIK-TECHNIK**

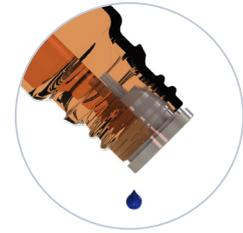
## DROPPERS & POURERS

### Exact dosing of liquids

We offer you a wide range of different droppers and pourers. We will find the ideal dosing system for your product, tailored to the liquid in question. Our goal is to help you find a dosing system which corresponds to the physical properties of the liquid used.



# UNIVERSAL- AND HORIZONTAL DROPPER



## Orientation of bottle at 120 - 150°

Horizontal dropper inserts are an all-round drip aid for liquid products when no stringent dosing requirements need to be fulfilled. Because each consumer holds the bottle differently (at between 120 – 150°), deviations in drip volume occur.

## Dropper Matching Service

To help us find the ideal dropper, please send:

1. a sufficient quantity of the original product
2. the desired dosing requirements
3. the intended bottle sizes
4. the desired closure design

## The benefits

- variable application scenarios
- consistent drip behaviour
- can be used with plant-based products, as any solids present in the liquid do not hinder the drip behaviour

## Application

Perfect for applications which do not have to fulfil stringent dosing requirements in accordance with the Ph. Eur. (European Pharmacopoeia).

## Particularly suitable for:

- plant-based products
- aromatherapy (essential oils)
- homeopathy, plant-based preparations
- pharmaceutical, cosmetic, chemical

## Bottleneck Sizes

DIN 168 / GL 18

## Materials

PE-LD, PE-HD

## Contents

- watery
- oily
- alcohol-based

## Numerous possible combinations

Our horizontal droppers can be used in combination with with all available closure types.



Screw Closures

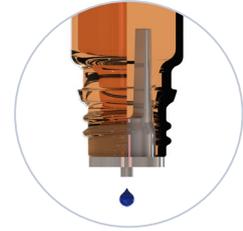


Tamper-evident Closures



Child-resistant Closures

# VERTICAL DROPPER



## Orientation of bottle at 180°

If exact dosing requirements as specified in the Ph. Eur. need to be fulfilled, the vertical dropper is the best choice. With a max. tolerance of +/- 15 % and a uniform drop result, it ensures exact dosage. Depending on your dosing regulations, we offer you over 20 different vertical droppers.

## Dropper Matching Service

To help us find the ideal dropper, please send:

1. a sufficient quantity of the original product
2. the desired dosing requirements
3. the intended bottle sizes
4. the desired closure design

## The benefits

- allows for exact dosing (e.g. for strong painkillers)
- countable drops
- upside-down orientation minimises incorrect dosing
- compatible with all closure variants of the GL 18 screw thread

## Application

Perfect for applications which need to fulfil stringent dosing requirements in accordance with the Ph. Eur. (European Pharmacopoeia).

For pharmaceutical and medical industries, for lifestyle products, as well as in the food industry and nutritional supplement segments.

## Bottleneck Sizes

DIN 168 / GL 18

## Material

PE-LD

## Inhalt

watery, oily, alcohol-based

## Numerous possible combinations

Our vertical droppers can be used in combination with with all available closure types..



Screw Closures



Tamper-evident Closures



Child-resistant Closures

## POURERS

Pourers are used where a simple dosing aid is required. Above all, pourers improve the pouring characteristics and help to avoid the bottle's screw thread being moistened by the contents. We can offer you pourers for various bottle neck sizes and requirements. Feel free to contact us. We would be glad to help you find a suitable product combination.

### The benefits

- clean dosage
- drip edge allows a clean backflow of product
- mouth of bottle remains clean and hygienic
- available for all closure types
- complete system with closure, pourer and measuring cup available
- Pourers available in mounted and unmounted versions

### Application

Perfect for all liquids which require a pouring aid.

For pharmaceutical and medical industries, for lifestyle products, as well as in the food industry and nutritional supplement segments.

### Bottleneck Sizes

- DIN 168 / GL 18
- DIN 168 / GL 22
- DIN 6094-7 / PP 28 S

Can be used with PP 28 glass

### Material

Polyethylene LD-PE

### Contents

- watery
- oily
- alcohol-based

### Numerous possible combinations

Our pourers can be used in combination with with all available closure types..



Screw Closures



Tamper-evident Closures



Child-resistant Closures