

## PowderThief

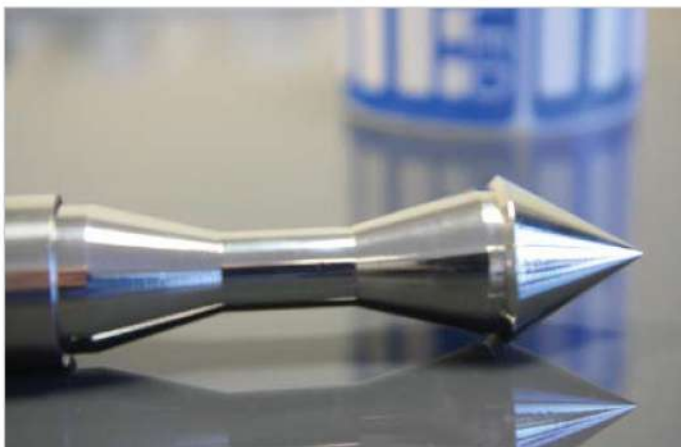
### Best Selling Powder Thief

The PowderThief was originated by Sampling Systems over 25 years ago and is now a world leader in powder sampling. It is extensively used throughout the pharmaceutical, chemical and food industries around the world.

The PowderThief is suitable for sampling free flowing powders and granules. A range of tips is available so that a single sampler body can be used to accurately sample a range of different volumes.

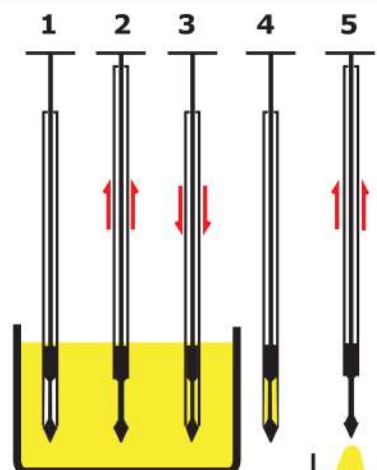
- For sampling free flowing powders
- Made from high quality 316L stainless steel
- Wide range of sizes

Tips - various sizes can be attached to the same body to allow different volumes to be sampled



#### Operation

1. Insert the sampler into the product, ensure that the tip is inside the outer tube.
2. At the required depth pull up the outer tube to expose the tip. Powder will flow in around the tip.
3. Push down the outer tube to trap the sample.
4. Withdraw sampler.
5. Pull up the outer tube to release the sample.





PowderThief samplers are available in a range of different sizes



## Sampler Bodies

Part No.	Sampler Length	Body Diameter
1030A-300	300mm	12.5mm
1030A-600	600mm	12.5mm
1030A-1000	1000mm	12.5mm
1030A-1500	1500mm	12.5mm
1030A-2000	2000mm	12.5mm
1030B-600	600mm	19mm
1030B-1000	1000mm	19mm
1030B-1500	1500mm	19mm
1030B-2000	2000mm	19mm
1030C-600	600mm	25mm
1030C-1000	1000mm	25mm
1030C-1500	1500mm	25mm
1030D-600	600mm	32mm
1030D-1000	1000mm	32mm
1030D-1500	1500mm	32mm
1030D-2000	2000mm	32mm

Options

Cleaning brushes  
Storage cases  
XRF Certification

See page 184  
See pages 186-187  
See page 196

## Sampling Tips

A range of standard tip sizes is available for each body diameter. Special sizes available on request.

Part No.	Tip Sizes	Tip to suit Body Diameter
1030AT-025	0.25ml	12.5mm
1030AT-050	0.50ml	12.5mm
1030AT-075	0.75ml	12.5mm
1030AT-100	1.00ml	12.5mm
1030AT-150	1.50ml	12.5mm
1030BT-2	2ml	19mm
1030BT-3	3ml	19mm
1030BT-5	5ml	19mm
1030BT-8	8ml	19mm
1030BT-10	10ml	19mm
1030CT-10	10ml	25mm
1030CT-20	20ml	25mm
1030CT-25	25ml	25mm
1030DT-20	20ml	32mm
1030DT-25	25ml	32mm
1030DT-50	50ml	32mm
1030DT-100	100ml	32mm

## ... also available is a single use, disposable PowderThief

The Disposable PowderThief works in the same way as the stainless steel Powder Thief (above). Disposable samplers have the advantage that they can be used straight from the bag and never need to be cleaned, thereby saving you time and money as well as eliminating the risk of cross contamination.

See pages 42-43 for more information



## Mono Pocket Sampler

### Single Point Zone Sampler

The Mono Pocket Sampler is ideal for taking bulk samples from a single point. The Mono Pocket Sampler is suitable for sampling free flowing powders and granules.

The robust body is made from 316L stainless steel and is available in 3 convenient lengths.

- For sampling free flowing powders
- Chemically resistant 316L stainless steel construction
- Easy clean design
- Fast delivery anywhere in the world (available from stock)

#### Operation

The Mono Pocket Sampler is quick and easy to use:

1. Close the sampler by turning the handle.
2. Push into the powder/granules
3. Rotate the handle to open the sampler
4. Close the sampler by rotating the sampler
5. Remove the sampler
6. Transfer sample to bottle or bag



Part No.	Nominal Length	Nominal Sample volume	Sampler Diameter	Material
1430S-600	600mm	20ml	25mm	316L stainless steel
1430S-1000	1000mm	20ml	25mm	316L stainless steel
1430S-1500	1500mm	20ml	25mm	316L stainless steel

Additional Tips	See page 56 (for rounded or very pointed tips)
Cleaning Brushes	See page 184
Storage Cases	See pages 186-187
XRF Certification	See page 196

## Additional Tips

### Interchangeable tips for stainless steel samplers

Many stainless steel samplers are available with interchangeable tips. Choose the best tip for your product and equipment.

Samplers are supplied with a Standard Tip.

- Standard Tip** Ideal for use with most powders
- Pointed Tip** Use with hard, dense powders
- Rounded Tip** Use when you need to minimise the risk of damaging your equipment



Part No.	Description	To Suit Sampler Diameter	Material
TIP-25S	Standard Tip - 25mm	25mm	316L ss
TIP-25R	Rounded Tip - 25mm	25mm	316L ss
TIP-25P	Long Pointed Tip - 25mm	25mm	316L ss
TIP-40S	Standard Tip - 40mm	40mm	316L ss
TIP-40R	Rounded Tip - 40mm	40mm	316L ss
TIP-40P	Long Pointed Tip - 40mm	40mm	316L ss



## Sleeve Sampler

### Large Volume Sampling From Depth

The Sleeve Sampler is ideal for sampling large volumes at great depths. The Sleeve Sampler is suitable for sampling free flowing powders and granules.

Various sized chambers can be attached to the same handle to allow different sample volumes to be taken.

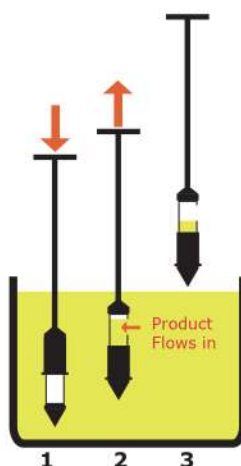
- Single Point Sampler
- Suitable for sampling free flowing powders
- 316L stainless steel, bright finish
- Adjustable Length - use extension rods to make the sampler the length you require

The heavy duty handle and extension rods have been designed to be extremely strong and robust to allow samples to be taken from depths up to 6m (after about 6m the sampler becomes too heavy).



#### Operation:

1. Screw the Sample Chamber onto the handle and insert the sampler into the product.
2. At the required depth pull up the sampler slightly. This will force the sleeve down so that product can fall into the Sample Chamber.
3. Remove sampler.
4. To empty sampler either pour sample out of filling port or unscrew the tip.



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Use extension rods (1035E-1000 or 1035E-1500) to increase the reach of the sampler



Handles & Extension Rods			Sample Chambers		
Part No.	Description	Length	Part No.	Material	Chamber Volume
1035A-1000	Heavy Duty Handle - 316L ss	1000mm	1035T-100	316L ss	100ml
1035A-1500	Heavy Duty Handle - 316L ss	1500mm	1035T-150	316L ss	150ml
1035E-1000	Heavy Duty Extension Rod - 316L ss	1000mm	1035T-200	316L ss	200ml
1035E-1500	Heavy Duty Extension Rod - 316L ss	1500mm			
Storage Cases		See pages 186-187			
XRF Certification		See page 196			

## Point Sampler

### Large Volume Sampling from a set point

The Point Sampler from Sampling Systems is ideal for taking samples at a specified depth. It can be used for sampling both free flowing and sticky, cohesive powders.

- Large 100ml sample size
- 316L stainless steel
- Suitable for use with free flowing and cohesive powders

#### Operation

1. Ensure the sampling window is closed and then push sampler into the product to the required sampling depth
2. Rotate sampler through 360° - this will open the sampling window and push the surrounding product into the sample collecting chamber
3. Rotate the sampler backwards through 360° to close the sampling window
4. Withdraw the sampler



Part No.	Handle Length	Nominal Sample Volume	Material
1640A-1000	1000mm	100ml	316L stainless steel
1640A-2000	2000mm	100ml	316L stainless steel

## Silo Rocket Sampler

### 500ml Sampler from Depth

Bulk sampling is easy with the Silo Rocket. The Silo Sampler is ideal for sampling pharmaceuticals, cosmetics and food stuffs. The design allows rapid point sampling of powders and granules in silos, tankers, lorries and general bulk bins. To take a sample simply insert the sampler into your material and then rotate the handle to take the sample. After sampling remove the sampler.

The Silo Rocket is manufactured from high grade 316L stainless steel. The tip unscrews so that the sampler is easy to clean

The Silo Rocket has an extra wide handle to give sufficient leverage when sampling dense powders.

- Suitable for use with free flowing and cohesive powders
- Made from 316L stainless steel
- Available in different lengths
- Easy to clean
- Available from stock for fast delivery worldwide



Part No.	Handle Length	Nominal Volume	Material
1985A-1000	1000mm	500ml	316L ss
1985A-1500	1500mm	500ml	316L ss
1985A-2000	2000mm	500ml	316L ss

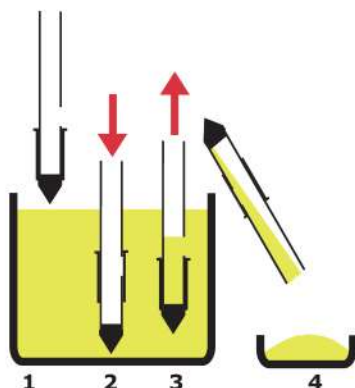
## Powder Max

### Large volume sleeve sampler

Designed for use with free flowing powders, granules and grains.  
The Powder Max enables large samples to be quickly and easily taken.

The Powder Max is made from 316L stainless steel.

- Large 150ml sample size
- 316L stainless steel
- Suitable for use with free flowing powders and granules



#### Operation

1. Insert sampler into the product.
2. This action forces the sleeve upwards covering the sample hole and stopping powder from entering.
3. On pulling the sampler upwards, the sleeve moves down and the product can now enter the sampler.
4. Invert sampler to discharge the sample.



Part No.	Overall Length	Stainless Steel	Diameter	Max Sample Volume
1213A-01	1000mm	316L ss	40mm	150ml
Accessories	Cleaning brushes	See page 184		
	Storage Cases	See pages 186-187		
	XRF Certification	See page 196		



## Powder Lance

### Cross Sectional Sampler for Cohesive Powders

The Powder Lance can be used to take large volume samples of cohesive powders. The sampler can be used horizontally through a sack or it can be used vertically.

The sampler has a built in scraper to push the powder into the sampler.

- Cross sectional sampler
- Made from 316L stainless steel
- Suitable for sticky cohesive powders

#### Operation:

1. Insert the sampler into the product.
2. Rotate the sampler through 360°. The scraper forces the powder in to the sampler along the length of the slot.
3. Remove the sampler.
4. Unscrew the tip of the sampler.
5. Push the Sample Ejection Rod into the Powder Lance to push out the sample



Part No.	Overall Sampler Length	Length of Sampling Slot	Max Sample Volume	Material
2250A-600	630mm	540mm	190ml	316L ss
2250A-1000	1030mm	930mm	300ml	316L ss
2250A-2000	2030mm	1500mm	520ml	316L ss
8570A-700	Sample Ejection Rod - 700mm length			316L ss
8570A-1100	Sample Ejection Rod - 1100mm length			316L ss

Cleaning Brushes - See page 184

Sampler Cases - See pages 186-187

XRF Certification - See page 196

## Cohesive Sampler

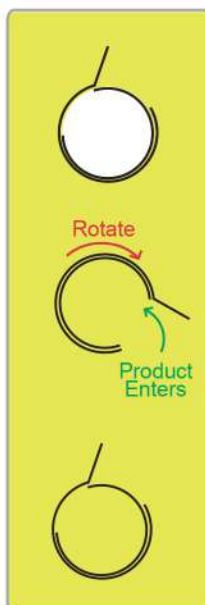
### Single Point Sampler for Cohesive Powders

The Cohesive Sampler is able to take a sample from a known point within the product.

- Single Point Sampler
- 316L stainless steel
- Suitable for sticky, cohesive powders

#### Operation

1. Insert sampler into product ensuring that the sample collecting chamber is in the closed position
2. At the correct sampling depth, turn the inner tube to expose the sample collecting chamber
3. Rotate the entire sampler through 360°. The scraper collects product and guides it into the sample collecting chamber.
4. Turn the inner tube to close the sample collecting chamber
5. Remove sampler
6. Pull out the inner tube and discharge the sample



Rotate the whole sampler to take the sample

Close the sampler and withdraw it from the product.

Rotate the inner core to open the sampler



Part No.	Sample Volume	Sampler Length	Sampler Diameter	Material
2015A-05	5ml	1000mm	25mm	316L ss
2015A-10	10ml	1000mm	25mm	316L ss
2015A-25	25ml	1000mm	25mm	316L ss

Additional Tips - see page 56 (for rounded or very pointed tips)

Cleaning Brushes - See page 184

Sampler Cases - See pages 186-187

XRF Certification - See page 196



## Sample Lance

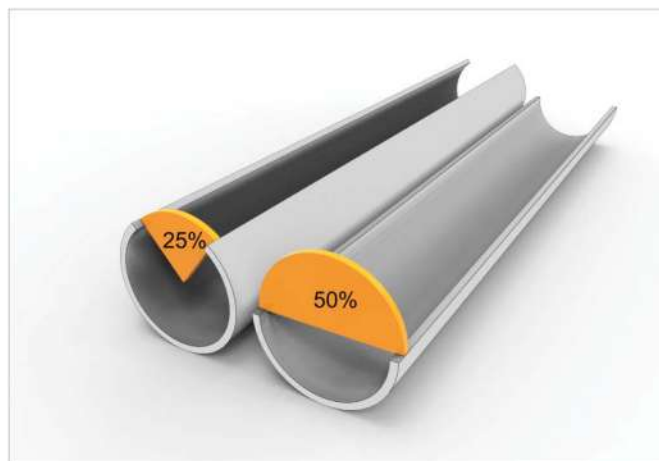


The Sample Lance is ideal for taking cross sectional samples of powders and some pastes. It is manufactured from high quality 316L stainless steel.

The Sample Lance is available with a range of different handles. The Heavy Duty Handles is ideal when the powder is hard and dense. They give additional leverage when the sampler is pushed into the product. Sample Lances can be supplied without handles when the powder is light and fluffy. Heavy Duty handles are suitable for all other applications.

Operation is simple. Just push the sampler into the powder to take a core sample.

- Manufactured in 316L stainless steel
- Available in different sizes and handle combinations
- Can be used for sampling in production, goods in and general applications
- Available from stock



Part No.	Length	Lance Opening Size	Handle Type	Width	Material
1660P-600	600mm	25%	Plain	25mm	316L ss
1660P-1000	1000mm	25%	Plain	25mm	316L ss
1665P-600	600mm	50%	Plain	25mm	316L ss
1665P-1000	1000mm	50%	Plain	25mm	316L ss
1660H-600	600mm	25%	Heavy Duty	25mm	316L ss
1660H-1000	1000mm	25%	Heavy Duty	25mm	316L ss
1665H-600	600mm	50%	Heavy Duty	25mm	316L ss
1665H-1000	1000mm	50%	Heavy Duty	25mm	316L ss