



# Seedburo

Everything you need for grain, feed and seed.

# GRAIN PROBES AND DIVIDERS



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# SEEDBURO GRAIN PROBES

**SEEDBURO Grain Probes** are essential for the use of obtaining correct and representative samples of many free flowing, granular materials. Primarily used in the grain and seed industries, Seedburo probes have found their way into many areas including: plastics, chemical, pharmaceutical, fertilizer, resin sampling and many more. When sampling rail cars, trucks, barge load, gaylords, storage bins or other holding containers, Seedburo offers the widest selection of sampling probes and triers on the market today.

On these pages you will find a variety of probes and triers as well as other sampling and handling devices (such as: dividers, sample pans and containers, etc.) to suit nearly any application. If your needs require a specific piece of equipment you are unable to find, we will consider all special configurations. Write or fax with your specifications (provide drawings if possible) for a price quote.

Our double tube brass probes are constructed of specially extruded tubing for added straightness and heavy-duty use. Our No. 18-OH is made of anodized aluminum tubing for a very sturdy, light weight multi-purpose probe. Outside diameter of these probes is 1-3/8" and port openings are 3-3/8" L X 7/8" W.

## PARTITIONED PROBES WITH WOODEN HANDLES

**Partitioned probes** are used when representative samples are required from various levels. Each individual opening is a separate compartment. If damage or contamination is suspect at any level of your vessel, a partition probe will accurately assist in the detection of these occurrences. Samples from a partitioned probe can be emptied onto a sampling canvas for evaluation. Our partitioned probes have a heavy wooden handle.

Part No.	Length	No. of Openings	Point	Net wt.
22P	63 in. (160cm)	10	Heavy Bronze	9 Lbs.
281-GB	72 in. (183cm)	12	Smooth Bronze	10 Lbs.
815	8 ft. (245cm)	16	Heavy Bronze	18 Lbs.
230	10 ft. (3.05mtr)	20	X-Heavy Bronze	20 Lbs.
230-A	12 ft. (4.05mtr)	20	X-Heavy Bronze	22 Lbs.

Seedburo Partitioned Probes meet the requirements of the USDA-FGIS

## OPEN-HANDLED PROBES

**Open-handled probes** are used when there is less concern for multi-level sampling. These are much easier to empty and are widely used when sampling truck loads. **Models 16-OH and 815-OH can be ordered with T-Handle.**

Part No.	Length	No. of Openings	Point	Net wt.
20-OH	40 in. (102cm)	6	Heavy Bronze	6 Lbs.
21-OH	51 in. (130cm)	8	Heavy Bronze	7 Lbs.
22-OH	63 in. (160cm)	10	Heavy Bronze	8 Lbs.
*18-OH	72 in. (183 cm)	12	Smooth Aluminum	6 Lbs.
16-OH	72 in. (183 cm)	12	Heavy Bronze	10 Lbs.
815-OH	8ft. (245cm)	16	Heavy Bronze	16 Lbs.
230-OH	10 ft. (3.05mtr)	20	X-Heavy Bronze	20 Lbs.
230A-OH	12 ft. (4.10mtr)	20	X-Heavy Bronze	22 Lbs.

\*Anodized Aluminum Construction.

## OPEN-HANDLED SPIRAL PROBES

Spiral probes can be used for multi-level sampling when foreign matter is apt to be heaviest near the bottom. The openings on the inner tube rotate around so the probe opens first at the bottom and then in gradual steps to the top.

Part No.	Length	No. of Openings	Point	Net wt.
39-OH	40 in. (102cm)	6	Heavy Bronze	6 Lbs.
39A-OH	51 in. (130cm)	8	Heavy Bronze	7 Lbs.
39B-OH	62 in. (157cm)	10	Heavy Bronze	8 Lbs.
39C-OH	72 in. (183cm)	12	Heavy Bronze	10 Lbs.



20-OH    22-P    18-OH    16-OHT

# SEEDBURO PROBES AND TRIERS

Part No.	Length	Construction	Openings	Outside Dia.	Partitioned	Net Wt.
235	18 in. (46cm)	Nickel Plated Brass	5	½ in.	No	1 Lb.
236	30 in. (76cm)	Nickel Plated Brass	9	½ in.	No	3 Lbs.
78-OH	39 in. (99cm)	Chrome Plated Brass	6	¾ in.	No	3 Lbs.
79A-OH	39 in. (99cm)	Chrome Plated Brass	3	same	No	3 Lbs.
65-OH	39 in. (99cm)	Stainless Steel	6	same	No	3 Lbs.
65-P	39 in. (99cm)	Stainless Steel	6	same	Yes	3 Lbs.



235 236 78-OH 79A-OH

65-OH and 65-P have same structural design as 78-OH (shown).

## SOIL SAMPLERS

**Seedburo Soil Samplers** are constructed of steel tubing that has been heat-treated for rigidity and strength. They are nickel plated and have a 1" diameter with a tapered cutting tip. The tip allows the soil core to rise in the tube without breakage. Available in 21" (**528**) and 36" (**529**) lengths.

## FERTILIZER AND FLOUR SAMPLERS

Our **Fertilizer Probe (158)** is a 36½" stainless steel sampler. Scored at 28" and 31" (from tip end) for accurate, consistent sampling. Slot is 32" x ¾". Net wt. 3 lbs.

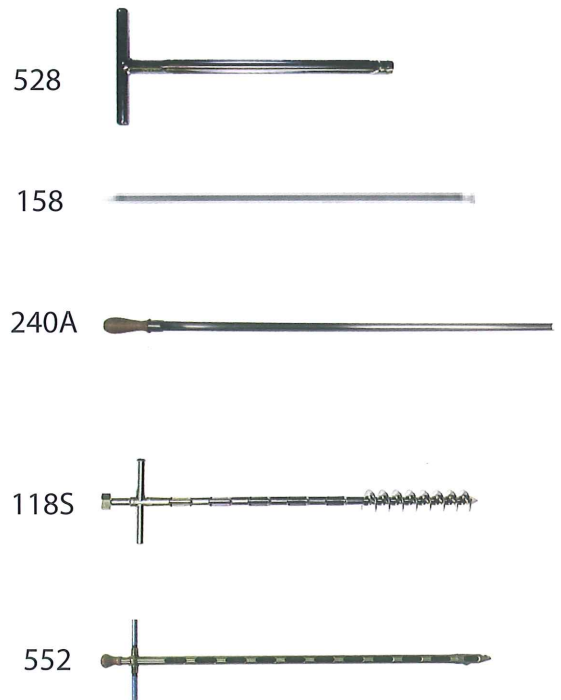
The 34" **Flour Trier (240A)** is made of 20 gauge stainless steel. Unit tapers from 1" to 1/16" outside diameter. Net wt. 2 lbs.

## KEYSTONE CARBON SAMPLER

The **Carbon Sampler (118S)** is a 39", double tube probe with partitions, T-handle and a 1" outside diameter. An auger vane is brazed onto the outer tube ¼ the length of the probe and extends diameter to 2-5/8". Total length of 42 ½" with 13 openings. Chrome plated steel construction. Net wt. 6 lbs.

## AUGER-TIPPED PARTITIONED PROBE

We've taken one of our standard probes, brazed an auger tip onto it and added a T-handle to aid in sampling wet or tightly packed materials. Unit is partitioned with 11 openings. 63" L, 1-3/8" O.D. Netwt. 11 lbs. No. **552**.



## SEEDBURO NOBBE TRIER

The **Nobbe type seed trier** is used for sampling free-flowing small seeded crops in bags or penetrable containers. It is ideal for clovers, timothy, brassicas, fine grasses such as bluegrass and small vegetable seeds. It is inserted horizontally into the container and the sample pours out of the open end. Seedburo's **Nobbe trier** is available in a ½" or ¾" diameter version; 20" overall length, one opening starts 2 3/8" from the tip and is 2 ½" long. Available in Brass or Stainless Steel. Ship wt. 1 lb., Ship dims, 21" x 4" x 4" **MADE IN USA**

- No. **222** — Brass Nobbe Trier ½" OD x 20" single tube w/ 1 opening
- No. **222S** — Stainless Steel Nobbe Trier ½" OD x 20" single tube w/ 1 opening
- No. **223** — Brass Nobbe Trier ¾" OD x 20" single tube with 1 opening
- No. **223S** — Stainless Steel Nobbe Trier ¾" OD x 20" single tube w/ 1 opening



**No. 24 PELICAN GRAIN SAMPLER**

**Seedburo's Pelican Grain Sampler** is used for obtaining a sample from a falling stream of bulk material. Made to meet USDA specifications, the sampler pouch is constructed of russet top grade cowhide and hand riveted to the metal frame. Sampler is to be bolted to pole (not included) for handle. 18"L x 6"D x 2"W. Net wt. 2 lbs.



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**No. 23 ELLIS SAMPLER**

The **Ellis Sampler** is a hand held sampler also used to obtain samples from a falling stream of material. Several passes can be made to assure representative sample. 14"L x 9"W. Mouth dimensions are 9"W x 1"D. Net wt. 2 lbs.



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**No. 525 SPECIAL TRUCK SAMPLER**

**Seedburo's Truck Sampler** is used for catching samples of falling materials from trucks as they are being unloaded. Several cuts through the stream can be made to obtain a representative sample. Rounded steel container is 12"L x 4½"W with 2 quart capacity. Complete with 28" wooden handle. Net wt. 6 lbs.



525

**SEEBURO FLOUR SLICK**

Our **Flour Slick** is used for obtaining or spreading samples of fine materials. Ideal for flours, feeds and many powdered materials. Made of thin stainless spring steel, the unit is 7¾"L x 3"W (at blade).



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**SAMPLE BAGS, SAMPLE CONTAINERS & SAMPLE PANS**

There are many ways of maintaining and evaluating samples. Following are the variations we have available:

- Sample Bags in canvas (shown) or polyetheiene (not shown).
- Sample Containers in pint, quart, ½ gallon and gallon sizes.
- Sample Pans in plastic or tin triangular, metal round in 2, 4 & 6 quart capacity, spouted 1½ & 3 quart size and our No. 7 Mini-Tin.

Call or write for more information.



157

156

155



630



635



64



64P



44-2

44-4

44-6



5095

640



**SAMPLING CANVAS**

**Seedburo durable sampling canvases** are used with our partitioned probes. After probe is withdrawn from vessel, the sample is emptied horizontally onto the canvas for examination. In compliance with specifications set forth by the USDA-FGIS.

**No. 320-63G** 30" x 63"

**No. 320-73G** 30" x 73"

**No. 320AG** 30" x 10'

**No. 320BG** 30" x 12'



31



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33

# SEEDBURO BIN PROBES AND THERMOMETERS



213



233



234



372



STD-3 STD-T

## No. 213 SPECIAL BIN THERMOMETER

8¼" solid brass cover encases a 5-⅜" spirit filled glass thermometer protected by plastic cover. Used for taking temperatures in bins and storage vessels. Ranges available: 0-120°F (by 1°), 0-220°F (by 2°) and 10-110°C (by 1°).

## SEEDBURO DEEP BIN CUPS

Our brass **Deep Bin Cups** are available in two sizes: **No. 233** is a 12" Cup with approx. 185g capacity and **No. 234** is a 15" Cup with approx. 265g capacity. Designed to grab samples as the cup is pulled up and out of the vessel. Both units are 1½" in diameter.

## No. 372 THERMO SAMPLER

The brass **Thermo Sampler** combines the function of our deep bin cups and bin thermometer. 11"L x 1-½" Dia. with approx. 200g capacity. Obtains sample like bin cup with added twist-off tip which encases thermometer (0-120°F).

All of the above **Bin Cups** and **Thermometers** use our Standard 3' Extensions (**No. STD-3**) and a Standard T-Handle (**STD-T**) to obtain depth required for your sampling.

## SPECIAL PURPOSE TRIERS AND SAMPLERS

**No. 77** — 6" Nickel-Plated Bag Trier, ½" outside diameter at large end.

Complete with protective sheath.

**No. 158R** — 11-⅝" Rice Trier, nickel-plated steel; ¾" outside diameter at large end. Complete with protective sheath.

**No. 76** — 13" Peanut and Rice Trier, nickel-plated steel; 1½" outside diameter at large end. The slot is 7-⅜" long, with a top slot width of 1¼" tapering down to ¼". Complete with protective sheath.

**No. 79** — 12" Nickel-Plated Bag Trier; 1" outside diameter at large end. Complete with protective sheath.



77 158R 76 79

## SEEDBURO GRIP HANDLED BAG TRIERS

Grip Handled Bag Triers from Seedburow are ideal for obtaining samples from bags for all varieties of seeds and grains. Made of stainless steel with a molded grip handle for sure-handed sampling, these triers are available in three sizes. See below for specifications.

**No. TRIER-1** — Peanut bag trier w/sheath 18-½" x 1-⅜"

**No. TRIER-2** — Sunflower seed bag w/sheath 18-⅛" x 1¼"

**No. TRIER-3** — Corn bag trier w/sheath 17-½" x 1-⅛"



## No. 571 TANK CAR OIL SAMPLER

Used to obtain representative samples of oils and liquids for analysis. Sampler is a 10' long, 2" diameter aluminum tube with valve at lower end and operating rod with handle at top. Constructed in accordance with specifications of the A.O.C.S.; Shipping weight 14 lbs.



## BACON LIQUID SAMPLERS

This popular sampler is used to obtain bottom, near bottom and average samples from tanks, tank cars and drums. Its construction is of nickel plated brass. Valve lifts when bottom of tank is reached, or can be manually lifted by cord attached to valve plunger if intermediate level samples are desired.

**No. 572-4P** 4 oz capacity, 12 ¾" L x 1 ½" Dia. (pencil thin)

**No. 572-1** 4 oz capacity, 11 ½" L x 1 ¾" Dia.

**No. 572-8** 8 oz capacity, 10 ½" L x 2 ⅝" Dia.

**No. 572-3** 16 oz capacity, 12 ½" L x 2 ¾" Dia.

**No. 572-2** 32 oz capacity, 16" L x 3" Dia.



572-1

# SEEDBURO SAMPLE DIVIDERS

## GAMET LABORATORY ROTARY DIVIDER

The **Gamet Rotary Divider** is used for sub-sampling in multiple divisions. Accurate to within 1/10th of 1% of the total sample by weight. These dividers meet the specifications set forth by the USDA-FGIS. Our Model 4203 (3-way Divider) and Model 4204 (4-way Divider) have a rotary division of 10. Motor specifications: 1/4 H.P., 115 Volt, 50 / 60Hz or 220 Volt, 50 / 60Hz, 1 Phase.



## No. 106 SEEDBURO PRECISION DIVIDER

Our **Precision Divider** is a positive action divider thoroughly tested to provide accurate and equal division to work size samples and maintain exact representation of original sample. Divisions are made by the centrifugal action of a motor driven revolving neoprene disc positioned under the hopper. Removing the hopper allows for complete access to the dividing cylinder for easy cleaning. Each unit is powered by a 1/60 H.P., 115 Volt, 50 / 60Hz, 1ph motor.

## No. 34 HEAVY-DUTY BOERNER DIVIDER

The **Boerner Divider** is the most commonly used grain divider on the market today. Handcrafted of copper and brass, this unit provides a 50-50 sample split. Made to meet USDA-FGIS specifications, the **Boerner Divider** is easy to use, light weight and heavy-duty. Ideal for most flowable materials. Divider has 38 openings (or pockets) and is shipped with two pans, or purchase our **No. 34E** Extension Kit and place 5 gallon buckets under the divider. Standard unit is 31"H x 16"Dia. Net wt 29 lbs. **Extension Kit** increases height to 42".

We also have a **Dust Filter Unit (No. 34D)** and a **Sound Abatement Kit (No. 34S)** available for the **(No. 34) Boerner Divider**. The **Dust Filter Unit** is designed to remove airborne dust and consists of two components: the main filter unit and a specially designed dust hood. Our **Sound Kit** reduces abusive, sometimes unhealthy noise levels by as much as 80%. Both are made to meet USDA-FGIS specifications.



No. 34 Divider



No. 292 Cargo

## No. 292 CARGO TYPE DIVIDER

The **Cargo Type Divider** is a 50-50 Divider specially designed for high capacity use on boats, barges and other places where a portable divider is needed. This unit is constructed of brass and has a 20 pocket dividing system. The **Cargo Divider** features a shut-off gate to regulate sample flow and extra long legs to allow use of large buckets for collection of samples. Made to meet USDA-FGIS specifications, 33" high. Net wt. 20 lbs.

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