



IF IT'S WORTH BUILDING, IT'S WORTH TESTING

This wishlist was generated on 13/09/2017, and contains the following Products:

23-4090

**38mm Hand Operated Hydraulic Sample Extruder with Trimming Knife 38mm Split Former & Cutting Tool.**

23-4300

**Adaptor Plate for 23-4250 to Extrude 100mm/4 Inch Diameter and Marshall Specimens.**

24-0545/01

**Semi-Automatic Cone Penetrometer**

24-0546

**Test Gauge for Checking Condition of Cone Point.**

24-0548

**Penetration Test Cup.**

81-0518

**Timer Clock**

81-3000

**Sample Container - Tinned Steel 0.5 litres**

82-2500

**Wash Bottle**

24-0417/01

**Motorised Liquid Limit Device W/ Counter BS 220-240V 50Hz 1Ph.**

24-0461

**Casagrande Grooving Tool Aashto**

24-0453

**ASTM Metal Grooving Tool.**

82-2010

**Evaporating Dish - 200 x 55 mm**

24-1550

**Shrinkage Dish.**

82-1970

## Evaporating Dish - 100 x 40 mm

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24-1500

### Prong Plate.

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81-0100

### Spatula 100 mm

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81-0120

### Spatula 150 mm

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82-1260

### Graduated Pipette - 25 ml

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24-0430

### Glass Plate.

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24-0811

### Rod Comparator

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82-2000

### Evaporating Dish - 150 x 45 mm

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81-0140

### Spatula 200 mm

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81-2979

### Moisture Content Tin

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24-4125/01

### High Speed Stirrer Complete with Paddle Cup & Baffle. 220-240V 50/60Hz 1Ph.

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24-4145

### Sodium Hexametaphosphate 500G.

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24-4640

### Soil Hydrometer Type 152H ASTM/Aashto Graduated -5 to + 60G/Litre.

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24-4650

### Soil Hydrometer Type 151H ASTM D422 Graduated 0.995 to 1.038 Specific Gravity.

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24-4700

### Hydrometer Sedimentation Cylinder

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24-4800

**Nomographic Chart for The Determination of Stokes Law.**

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42-5310/01

**Los Angeles Abrasion Machine with CE Safety Cabinet W/ Microswitches.  
220-240V 50Hz 1Ph.**

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42-5305/10

**Set of 12 Abrasive Charges EN)**

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23-3425

**Large Capacity Sample Splitter.**

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23-3070

**Riffle Box 15mm Slot Width Complete with Three Containers.**

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23-3200

**Riffle Box 38mm Slot Width Complete with Three Containers.**

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## 38mm Hand Operated Hydraulic Sample Extruder with Trimming Knife 38mm Split Former & Cutting Tool.

Code: [23-4090](#)

Product Group: [Soil Extruders](#)

This Sample Extruder comprises a vertically mounted lever action hydraulic jack, with the body extended to form a chamber which accommodates a 38 mm diameter sample tube. Supplied complete with trimming knife, 38 mm split former and wire saw.

Standards  
BS 1377-1

## Alternatives



### Cbr/Core Cutter Extruder Frame and Hydraulic Jack Extrudes 150mm/6 Inch Diameter Specimens.

Code: [23-4250](#)



### Proctor/Core Cutter Extruder Frame and Hydraulic Jack. Extrudes 100mm/4 Inch Diameter Specimens

Code: [23-4200](#)



## Adaptor Plate for 23-4250 to Extrude 100mm/4 Inch Diameter and Marshall Specimens.

Code: [23-4300](#)

Product Group: [Soil Extruders](#)

For use with 23-4250. Comprising an adaptor plate, retaining screws and a nominal 100 mm ram plunger. Enables extrusion from all ELE 100 mm moulds and core cutters listed in the table.

## Standards

BS 1377-1

## Further Information

Two extruders comprising a frame and hydraulic jack supplied with adaptor plates to enable a range of sample extrusion from all ELE moulds indicated in the table.





Semi-Automatic Cone Penetrometer

Code: 24-0545/01  
Product Group: Semi-Automatic Cone Penetrometer,  
Semi-Automatic Cone Penetrometer

Bench mounted apparatus to determine the liquid limit of soils to BS1377. This method is applicable to a wide range of soils. The apparatus is fitted with a 150mm diameter dial indicator for direct reading of penetration. Supplied complete with 30deg, 30mm long test cone. Manufactured from stainless steel and includes adjustable levelling feet.

Incorporates Digital Automatic controller, which releases the plunger head and ensures free falling of the penetration device during the test. The time set is displayed by a bright easy to read display.

Standards

BS 1377, BS 1924-2, EN 1997-2

Specification

Dial Indicator	150 mm diameter graduated in 400 x 0.1 mm divisions. Indicator incorporates a friction/gear system.
Height	Adjustable using rapid integral clamping mechanism.
Cone Release Cone	Semi-Automatic 1 x 30°, 35 mm test cone included.
Base	Cast aluminum with adjustable leveling feet.
Weight	Net 19 lbs. (8.64 kg).

Accessories



Penetration Test Cup.

Code: 24-0548



## Test Gauge for Checking Condition of Cone Point.

Code: [24-0546](#)

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## Spares/Consumables

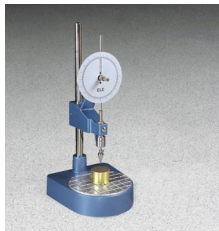


## Penetration Test Cone

Code: [24-0544](#)

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## Alternatives



## Cone Penetrometer. Complete with Stainless Steel Test Cone.

Code: [24-0540](#)





## Test Gauge for Checking Condition of Cone Point.

Code: [24-0546](#)

Product Group: [Cone Penetrometer Method](#), [Cone Penetrometer](#)

55 mm diameter by 40 mm deep, with the rim parallel to the flat base.

## Standards

BS 1377-2



## Penetration Test Cup.

Code: [24-0548](#)

Product Group: [Cone Penetrometer](#), [Cone Penetrometer Method](#)

Brass construction, 55mm dia x 4mm depth to fit BS1377

## Standards

BS 1377-2



## Timer Clock

Code: [81-0518](#)

Product Group: [Rice Test Vibrator, Watches and Clocks](#)

Accessory

## Standards

EN 12697-5

## Further Information

**\*\*NOT AVAILABLE FOR SALE IN THE USA\*\***



## Sample Container - Tinned Steel 0.5 litres

Code: [81-3000](#)

Product Group: [Moisture Content Tin and Sample Containers](#)

### Further Information

**\*\*NOT AVAILABLE FOR SALE IN THE USA\*\***



## Wash Bottle

Code: [82-2500](#)

Product Group: [Bottles and Crucibles](#)

Polythene, 500 ml capacity.

## Further Information

**\*\*NOT AVAILABLE FOR SALE IN THE USA\*\***



## Motorised Liquid Limit Device W/ Counter BS 220-240V 50Hz 1Ph.

Code: [24-0417/01](#)

Product Group: [Casagrande Method](#)

Complete with revolution counter and motor.

## Standards

BS 1377-2

## Accessories



### Glass Plate.

Code: [24-0430](#)



## Grooving Tool and Gauge B.S.

Code: [24-0425](#)

## Alternatives



## Liquid Limit Device BS with Counter. C/W Metal Grooving Tool & Test Gauge.

Code: [24-0410](#)





## Casagrande Grooving Tool Aashto

Code: [24-0461](#)

Product Group: [Casagrande Method, Motorized Liquid Limit Device, AASHTO Grooving Tool](#)

- Rust resistant brass construction.
- 1 cm gage block located at end of handle.

The AASHTO Grooving Tool is used to control the width of the soil groove in the liquid limit cup, in accordance with AASHTO specifications.

## Standards

AASHTO T89

## Further Information

Brass construction with a gauge height of 1 cm.

## Specification

Construction	Brass.
Gauge Height	1 cm.
Weight	Net 3 oz. (85 g).

## Spares/Consumables



## ASTM Plastic Grooving Tools

Code: [24-0451](#)



## ASTM Metal Grooving Tool.

Code: [24-0453](#)

Product Group: [Casagrande Method](#)

## Standards

ASTM D4318



## Evaporating Dish - 200 x 55 mm

Code: [82-2010](#)

Product Group: [Evaporating Dishes](#)

Shallow form with spout, porcelain 200 x 55 mm  
nominal diameter x height.

## Further Information

**\*\*NOT AVAILABLE FOR SALE IN THE USA\*\***



## Shrinkage Dish.

Code: [24-1550](#)

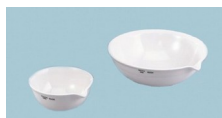
Product Group: [Volumetric Shrinkage](#), [Shrinkage Prong Plate](#)

Nominal 42 mm diameter x 12 mm deep.

## Standards

ASTM D427, AASHTO T92

## Accessories



## Evaporating Dish - 150 x 45 mm

Code: [82-2000](#)



## Measuring Cylinder - Glass 100 ml

Code: [82-0380](#)

## Alternatives



## Glass Cup.

Code: [24-1600](#)



## Prong Plate.

Code: [24-1500](#)



## Evaporating Dish - 100 x 40 mm

Code: [82-1970](#)

Product Group: [Evaporating Dishes](#)

Shallow form with spout, porcelain 100 x 40 mm  
nominal diameter x height.

## Further Information

**\*\*NOT AVAILABLE FOR SALE IN THE USA\*\***





## Prong Plate.

Code: [24-1500](#)

Product Group: [Volumetric Shrinkage](#), [Shrinkage Prong Plate](#)

Made of acrylic plastic fitted with three prongs, nominal 76 mm square and 2.4 mm thick.

## Standards

BS 1377, ASTM D427, AASHTO T92

## Specification

Construction	Acrylic plastic with 3 metal prongs.
Dimensions	3" square x 1/8" thick (76 x 3.2 mm).
Weight	Net 1 oz. (28 g).

## Accessories



### Evaporating Dish - 150 x 45 mm

Code: [82-2000](#)



### Measuring Cylinder - Glass 100 ml

Code: [82-0380](#)

## Alternatives



### Glass Cup.

Code: [24-1600](#)



### Shrinkage Dish.

Code: [24-1550](#)



## Spatula 100 mm

Code: [81-0100](#)

Product Group: [Spatulas](#)

### Further Information

**\*\*NOT AVAILABLE FOR SALE IN THE USA\*\***



## Spatula 150 mm

Code: [81-0120](#)

Product Group: [Spatulas](#)

### Further Information

**\*\*NOT AVAILABLE FOR SALE IN THE USA\*\***



## Graduated Pipette - 25 ml

Code: [82-1260](#)

Product Group: [Pipettes and Burettes](#)

Type 1, Class B, BS 700 0.25 ml subdivisions.

## Further Information

**\*\*NOT AVAILABLE FOR SALE IN THE USA\*\***



## Glass Plate.

Code: [24-0430](#)

Product Group: [Casagrande Method, Determination of Plastic Limit](#)

500 mm square x 10 mm thick.

## Standards

BS 1377-2





## Rod Comparator

Code: [24-0811](#)

Product Group: [Rod Comparator, Determination of Plastic Limit](#)

3mm diameter rod comparator to BS1377.

## Standards

BS 1924-2, EN 1997-2, ASTM D4318, BS 1377, AASHTO T90



## Evaporating Dish - 150 x 45 mm

Code: [82-2000](#)

Product Group: [Evaporating Dishes, Volumetric Shrinkage](#)

Shallow form with spout, porcelain 150 x 45 mm nominal diameter x height.

## Further Information

**\*\*NOT AVAILABLE FOR SALE IN THE USA\*\***



## Spatula 200 mm

Code: [81-0140](#)

Product Group: [Determination of Plastic Limit, Spatulas](#)

## Further Information

**\*\*NOT AVAILABLE FOR SALE IN THE USA\*\***

## Accessories



## Vibrating Hammer

Code: [47-0455/01](#)

## Alternatives



## Vibrating Hammer

Code: [47-0455/01](#)



## Moisture Content Tin

Code: [81-2979](#)

Product Group: [Moisture Content Tin and Sample Containers](#)

## Further Information

**\*\*NOT AVAILABLE FOR SALE IN THE USA\*\***



## High Speed Stirrer Complete with Paddle Cup & Baffle. 220-240V 50/60Hz 1Ph.

Code: [24-4125/01](#)

Product Group: [Mechanical Analysis Stirrer](#)

Compact bench top stirrer used for dispersing soil samples in water. Supplied complete with mixing paddle and dispersion cup with baffle. Beaker position maintained by column retainer.

## Standards

BS 1377, ASTM D422, AASHTO T88

## Accessories



### Sodium Hexametaphosphate 500G.

Code: [24-4145](#)

## Spares/Consumables



### Mixing Paddle for 24-4125 Series High Speed Stirrer

Code: [24-4125/10](#)



### Soil Dispersion Cup & Baffle.

Code: [24-4125/11](#)



## Sodium Hexametaphosphate 500G.

Code: [24-4145](#)

Product Group: [Sodium Hexametaphosphate,](#)  
[Mechanical Analysis Stirrer](#)

## Standards

ASTM D422, AASHTO T88, ASTM E100

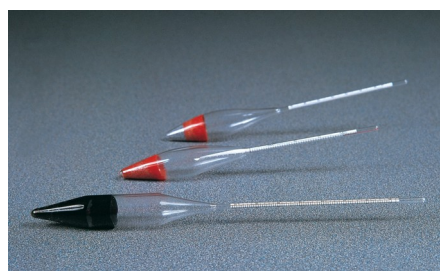
## Spares/Consumables



## Solid Rubber Stopper

Code: [4699-0881](#)





## Soil Hydrometer Type 152H ASTM/Aashto Graduated -5 to +60G/Litre.

Code: [24-4640](#)

Product Group: [ASTM Soil Hydrometers, Soil Hydrometers](#)

Graduated -5 to +60 g/litre.

## Standards

BS 1377, EN 1997-2, ASTM D422, ASTM E100, AASHTO T88

## Specification

Construction	Molded, seamless.
Scale	Bouyoucos; double scale.
Calibration	At 68°F.
Weight	Net 4 oz. (113 g).

## Alternatives



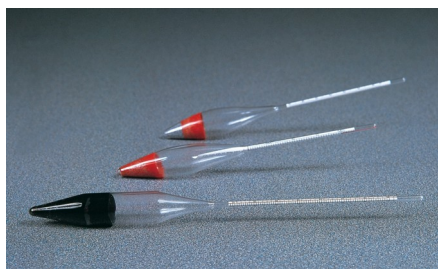
## Soil Hydrometer BS EN DD ENV graduated 0.995 to 1.030 g/ml

Code: [24-4620](#)



## Soil Hydrometer Type 151H ASTM D422 Graduated 0.995 to 1.038 Specific Gravity.

Code: [24-4650](#)



## Soil Hydrometer Type 151H ASTM D422 Graduated 0.995 to 1.038 Specific Gravity.

Code: [24-4650](#)

Product Group: [ASTM Soil Hydrometers, Soil Hydrometers](#)

Graduated 0.995 to 1.038 g/ml.

## Standards

ASTM D422, ASTM E100, AASHTO T88

## Specification

Construction	Molded, seamless.
Scale	Bouyoucos; double scale.
Calibration	At 68°F.
Weight	Net 4 oz. (113 g).

## Alternatives



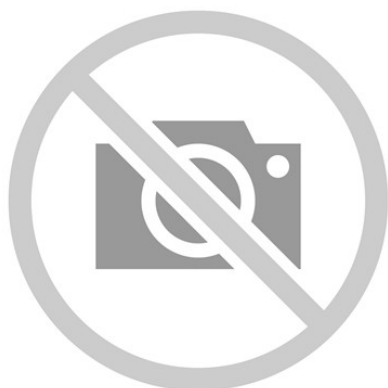
## Soil Hydrometer BS EN DD ENV graduated 0.995 to 1.030 g/ml

Code: [24-4620](#)



## Soil Hydrometer Type 152H ASTM/Aashto Graduated -5 to +60G/Litre.

Code: [24-4640](#)



## Hydrometer Sedimentation Cylinder

Code: [24-4700](#)

Product Group: [Hydrometer Sedimentation Cylinder](#),  
[Hydrometer Jar](#)

Glass, 1000 ml capacity complete with rubber bung.

## Standards

BS 1337, ASTM D422, AASHTO T88

## Further Information

1000ML Glass

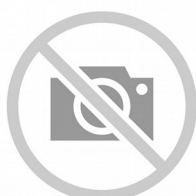
## Accessories



## Nomographic Chart for The Determination of Stokes Law.

Code: [24-4800](#)

## Spares/Consumables



## Solid Rubber Stopper

Code: [4699-0881](#)



## Nomographic Chart for The Determination of Stokes Law.

Code: [24-4800](#)

Product Group: [Hydrometer Sedimentation Cylinder](#)

For the determination of Stoke's Law.

## Standards

ASTM D422, AASHTO T88



## Los Angeles Abrasion Machine with CE Safety Cabinet W/ Microswitches. 220-240V 50Hz 1Ph.

Code: [42-5310/01](#)

Product Group: [Los Angeles Abrasion Machine](#)

The machine consists of a closed hollow cylindrical steel drum rotating around its horizontal axis on ball bearing units mounted on a sturdy base framework. Also the full enclosure ensures noise is minimized.

The drum is driven at a speed of between 30 - 33 rpm via an enclosed belt drive arrangement from an electric motor/gearbox unit situated on the base frame. Inside the drum a full length steel shelf is attached, accessed by a dust-proof opening.

The cylinder incorporates a removable internal shelf, one shelf position is provided to meet the requirements of both the ASTM and EN test standards.

Controls are located easily on the right-hand side of the machine at convenient operator height.

Start and stop push buttons and a subtracting revolution counter allows the user to preset the number of revolutions before an automatic stop.

### Standards

EN 1097-2, ASTM C131, ASTM C535, NF P18-573

### Further Information

\*\*NOT AVAILABLE FOR SALE IN THE USA\*\*

### Accessories

#### Set of 12 Abrasive Charges (ASTM).

Code: [42-5300/10](#)



## Set of 12 Abrasive Charges EN)

Code: [42-5305/10](#)



## Alternatives



## Los Angeles Abrasion Machine Meets ASTM and European Standards. 220-240V 50Hz 1Ph.

Code: [42-5305/01](#)



## Set of 12 Abrasive Charges EN)

Code: [42-5305/10](#)

Product Group: [Los Angeles Abrasion Machine](#)

EN Set of 12.

## Standards

EN 1097-2, ASTM C131, ASTM C535

## Further Information

**\*\*NOT AVAILABLE FOR SALE IN THE USA\*\***



## Large Capacity Sample Splitter.

Code: 23-3425

Product Group: Large Capacity Sample Splitter, Large Sample Splitter

The splitter is designed for the reduction of test samples which are too large in volume to be conveniently handled. It divides samples so that half is representative of the original total sample and handles material up to 6 inches in particle size.

The lever-actuated unit is constructed of heavy gauge welded steel with a hopper which holds up to 1 cuft. The single splitter chute provides wide flexibility in sizes of opening and adjustment is provided for chutes of 0.5, 1.5, 2, 3, 4 or 6 inch by positioning of the chute bars. Overall height is approximately 1 meter. Hopper size 735 mm long x 480 mm wide (approx).

## Further Information

Complete with 2 material pans and a bag-loading chute.

## Specification

Capacity	1 cu. ft. (0.028 m3); for sand sizes up to 4" (102 mm).
Hopper	Lever-actuated, clamshell design.
Chute Bars	48 aluminum bars, 1/2" (13 mm) width.
Chute Area	24 " (610 mm) overall width.
Chute Openings	Adjustable; 1/2", 1", 1-1/2", 2", 3", 4", or 6".
Frame	Welded, heavy-gage steel.
Chute Attachment	Replaces pan to allow sample collection in bag; 28-1/4" l. x 7"w. x 5-1/2" h. (718 x 178 x 140 mm).
Material Pans	Two included; 25 -3/4" l. x 9" w. x 6-1/2" h. (654 x 229 x 165 mm).
Overall Dimensions	29" l. x 19" w. x 39" h. (737 x 483 x 999 mm).
Weight	Shpg. 142 lbs. (64 kg).

## Accessories





## Sample Bag - 10" x 18" (254 x 457 mm)

Code: 23-1420



## Sample Bag - 17" x 32" (432 x 813 mm)

Code: 23-1422

### Alternatives



## Large Capacity Sample Splitter.

Code: 23-3425



## Sample Splitter (Riffle Box) - 14 chutes, 1/2" (13 mm) chute width

Code: 23-3052



## Sample Splitter (Riffle Box) - 14 chutes, 3/4" (19 mm) chute width

Code: 23-3102



## Sample Splitter (Riffle Box) - 16 chutes, 1" (25 mm) chute width

Code: 23-3152



## Sample Splitter (Riffle Box) - 8 chutes, 2-1/2" (64 mm) chute width

Code: 23-3352



## Sample Splitter (Riffle Box) - 8 chutes, 2" (51 mm) chute width

Code: 23-3302



## Riffle Box 15mm Slot Width Complete with Three Containers.

Code: [23-3070](#)

Product Group: [Riffle Boxes \(Sample Dividers\)](#)

Manufactured from heavy-gauge sheet metal. BS recommended maximum particle size of 10 mm. EN recommended maximum particle size of 7.5 mm. Includes 12 slots each with a 15 mm slot width and an overall approximate capacity of 2 litres.

## Standards

BS 1377, BS 1924, BS 812, EN 932-1

## Specification

Recommended max particle size BS	10
Recommended max particle size EN	7.5
Slot width mm	15
No. of slots	12
Approx. capacity kg	2
Weight kg	8

## Alternatives



## Riffle Box 13mm Slot Width Complete with Three Containers.

Code: [23-3050](#)



## Riffle Box 19mm Slot Width Complete with Three Containers.

Code: [23-3100](#)



## Riffle Box 25mm Slot Width Complete with Three Containers.

Code: [23-3150](#)



## Riffle Box 30mm Slot Width Complete with Three Containers.

Code: [23-3170](#)



## Riffle Box 38mm Slot Width Complete with Three Containers.

Code: [23-3200](#)



## Riffle Box 50mm Slot Width Complete with Three Containers.

Code: [23-3300](#)



## Riffle Box 64mm Slot Width Complete with Three Containers.

Code: [23-3350](#)



## Riffle Box 7mm Slot Width Complete with Three Containers.

Code: [23-3000](#)



## Riffle Box 38mm Slot Width Complete with Three Containers.

Code: [23-3200](#)

Product Group: [Riffle Boxes \(Sample Dividers\)](#)

Manufactured from heavy-gauge sheet metal. BS recommended maximum particle size of 25 mm. EN recommended maximum particle size of 19 mm. Includes 8 slots each with a 38 mm slot width and an overall approximate capacity of 11 litres.

## Standards

BS 1377, BS 1924, BS 812, EN 932-1

## Specification

Recommended max particle size BS	25
Recommended max particle size EN	19
Slot width mm	38
No. of slots	8
Approx. capacity kg	11
Weight kg	17.5

## Alternatives



## Riffle Box 13mm Slot Width Complete with Three Containers.

Code: [23-3050](#)



## Riffle Box 15mm Slot Width Complete with Three Containers.

Code: [23-3070](#)



## Riffle Box 19mm Slot Width Complete with Three Containers.

Code: [23-3100](#)



## Riffle Box 25mm Slot Width Complete with Three Containers.

Code: [23-3150](#)



## Riffle Box 30mm Slot Width Complete with Three Containers.

Code: [23-3170](#)



## Riffle Box 50mm Slot Width Complete with Three Containers.

Code: [23-3300](#)



## Riffle Box 64mm Slot Width Complete with Three Containers.

Code: [23-3350](#)



## Riffle Box 7mm Slot Width Complete with Three Containers.

Code: [23-3000](#)