

# The widest range of test sieves available

Made to every National and International Standard

## Woven Wire Mesh Sieves

Endecotts woven wire mesh sieves are the most widely used test sieves for all types of laboratory sampling and particle size analysis. They are made with only the highest quality materials and are available in diameter sizes of 38, 100, 150, 200, 250, 300, 315, 350, 400, and 450 mm or in 3, 8, 12 or 18 inches.

They can be supplied with aperture sizes ranging from 125 mm down to 20 microns in full or half height versions. Woven wire mesh sieves are available in frame materials of either brass or stainless steel with larger diameter sieves also available in plated steel.

## Perforated Plate Sieves

Endecotts manufacture a wide range of perforated plate sieves for the many industries that require them. These are available in diameter sizes of 200, 300, 315, 350, 400 and 450 mm. Aperture sizes range from 125 mm to 4 mm in square hole and 125 mm to 1 mm in round hole. Perforated plate sieves can be supplied in frame materials of brass or stainless steel and all are manufactured to the highest engineering standards to ensure quality and accuracy.

*Woven wire sieves and perforated plate sieves are available to every national and international standard. Other materials and sizes can be produced to order.*

## Microplate Sieves

For very fine particle analysis Endecotts produce a range of microplate sieves made from electro-formed nickel plate in stainless steel frames of 100 mm or 200 mm diameter. Available with unique self clearing apertures sizes from 75 to 5 microns. Microplate sieves are supplied with either round or square holes.

Other aperture sizes, sieve diameters and sieve depths can be supplied as required.

It is recommended that microplate sieves are used in conjunction with a liquid medium to assist the passage of extremely fine particles through the apertures. In certain cases where this is not possible it is often found that a compatible shaker can speed up the analysis, while maintaining a high degree of accuracy.



Endecotts standard lids & receivers can be used with the Microplate sieves



## Wet Washing Sieves

Extremely useful sieves where samples need to be separated with the help of wet washing. Available in 8 inch diameter by 4 or 8 inches deep or their metric equivalent with brass or stainless steel frames. A complete range of aperture sizes with optional support medium for fine mesh.

## Extra Depth Sieves

Extensively used by the construction and cement industries. These extra depth sieves are available with a diameter size of 450 mm and a depth of 300 mm. Made from steel with woven wire mesh or perforated plate sieving mediums.



### MICROPLATE SIEVES

Aperture Size	Aperture type	Sieve Height
75 mm	Round or Square Hole	Full or Half Height
60 mm	Round or Square Hole	Full or Half Height
50 mm	Round or Square Hole	Full or Half Height
40 mm	Round or Square Hole	Full or Half Height
30 mm	Round or Square Hole	Full or Half Height
25 mm	Round or Square Hole	Full or Half Height
20 mm	Round or Square Hole	Full or Half Height
15 mm	Round or Square Hole	Full or Half Height
5 mm	Round or Square Hole	Full or Half Height

## Specifications

A table of the most widely used specifications

Endecotts Standard Woven Wire Mesh & Perforated Plate Sieves are available in all the sizes and materials specified in these tables



 International Test Sieve Series ISO 3310:2000

 British Standard Sieve Series BS. 410:2000

 American Standard Sieve Series ASTM E11:95

Wire Mesh Series		
ISO 3310-1:2000 BS410-1:2000		
Nominal Aperture Sizes		
mm	mm	µm
125.00	4.50	160
112.00	4.00	150
106.00	3.55	140
100.00	3.35	125
90.00	3.15	112
80.00	2.80	106
75.00	2.50	100
71.00	2.36	90
63.00	2.24	80
56.00	2.00	75
53.00	1.80	71
50.00	1.70	63
45.00	1.60	56
40.00	1.40	53
37.50	1.25	50
35.50	1.18	45
31.50	1.12	40
28.00	1.00	38
26.50	µm	36
25.00	900	32
22.40	850	25
20.00	800	20
19.00	710	
18.00	630	
16.00	600	
14.00	560	
13.20	500	
12.50	450	
11.20	425	
10.00	400	
9.50	355	
9.00	315	
8.00	300	
7.10	280	
6.70	250	
6.30	224	
5.60	212	
5.00	200	
4.75	180	

Perforated Plate Series		
ISO 3310-2:1999 BS410-2:2000		
Nominal Aperture Sizes		
Round & Square Holes		Round Hole Only
mm	mm	mm
125.00	20.00	3.55
112.00	19.00	3.35
106.00	18.00	3.15
100.00	16.00	2.80
90.00	14.00	2.50
80.00	13.20	2.36
75.00	12.50	2.24
71.00	11.20	2.00
63.00	10.00	1.80
56.00	9.50	1.70
53.00	9.00	1.60
50.00	8.00	1.40
45.00	7.10	1.25
40.00	6.70	1.18
37.50	6.30	1.12
35.50	5.60	1.00
31.50	5.00	
28.00	4.75	
26.50	4.50	
25.00	4.00	

### Sieve Diameters and Frame Materials

Diameter	Height	Depth to Mesh or Plate	Frame Material
mm		mm	
38.00	Full	19.00	Br or SS
100.00	Full	40.00	Br or SS
100.00	Half	20.00	Br or SS
150.00	Full	38.00	SS
200.00	Full	50.00	Br or SS
200.00	Half	25.00	Br or SS
250.00	Full	60.00	SS
300.00	Full	75.00	Br or SS
300.00	Half	40.00	Br or SS
315.00	Full	75.00	SS
350.00	Full	60.00	SS
400.00	Full	65.00	SS
450.00	Full	100.00	SS

Wire Mesh Series			
Designation			
Standard	Alternative	Standard	Alternative
mm	inch or No.	µm	inch or No.
125.00	5.00	850	No. 20
106.00	4.24	710	No. 25
100.00	4	600	No. 30
90.00	3½	500	No. 35
75.00	3	425	No. 40
63.00	2½	355	No. 45
53.00	2.12	300	No. 50
50.00	2	250	No. 60
45.00	1¾	212	No. 70
37.50	1½	180	No. 80
31.50	1¼	150	No. 100
26.50	1.06	125	No. 120
25.00	1	106	No. 140
22.40	¾	90	No. 170
19.00	¾	75	No. 200
16.00	5/8	63	No. 230
13.20	0.530	53	No. 270
12.50	½	45	No. 325
11.20	7/16	38	No. 400
9.50	3/8	32	No. 450
8.00	5/16	25	No. 500
6.70	0.265	20	No. 635
6.30	¼		
5.60	No. 3½		
4.75	No. 4		
4.00	No. 5		
3.35	No. 6		
2.80	No. 7		
2.36	No. 8		
2.00	No. 10		
1.70	No. 12		
1.40	No. 14		
1.18	No. 16		
1.00	No. 18		

### Sieve Diameters and Frame Materials

Diameter	Height	Depth to Mesh or Plate	Frame Material
3 in	Full	1¼ in	Br or SS
8 in	Full	2 in	Br or SS
8 in	Half	1 in	Br or SS
12 in	Full	3 in	Br or SS
12 in	Half	1 in	Br or SS
18 in	Full	3½ in	SS

### Air-Jet Sieves

These sieves are specifically designed for use with air jet systems. They are available in 200 mm diameter brass or stainless steel frames and an extensive range of aperture sizes. Supplied to meet the needs of your equipment.



### Lids & Receivers

Lids, receiving pans and intermediate receiving pans are available in brass or stainless steel with the following diameters: 38, 100, 150, 200, 250, 300, 315, 400 and 450 mm as well as 3, 8, 12 or 18 inches. Half height receivers are also available.



### Pocket Sieve Set

High quality pocket sieves are very useful for testing small samples either in the laboratory or on site. The brass sieve has a range of interchangeable mesh discs of different aperture sizes. It is supplied complete with with sieve brush and belt pouch.



### Half Height Sieves

Where smaller quantities of sample are being analysed half height sieves are often used. These are available in diameters of 100, 200 or 300 mm and 3, 8 or 12 inches with the complete range of woven wire mesh or perforated plate sieving media.





# Coffee sieves

# Grid Sieves



These sieves are specially designed for the coffee industry - and used for grading coffee beans. They are manufactured with brass or stainless steel frames of 8"/200 mm and fitted with round hole, stainless steel perforated plate. A complete range is available based on

the '64th in.' standard measurements. Other specs and designations are also available.

For greatest efficiency Endecotts Coffee Sieves should be used in conjunction with a shaker. See the range on pages 12 to 14. For moisture profiling see the Endecotts MA2812 moisture analyser on page 22.



Used to determine the flakiness index of aggregates. Endecotts grid sieves are manufactured to fully conform to the requirements of EN 933-3:1997 (amended Feb 04). The 300 x 300 mm sieves are made entirely of stainless

steel and are strong, durable and anti-corrosive. They can be supplied as a single items or as a set of 13 sieves complete with a receiving pan.

## Coffee Sieves

64th inch	Classification	Central America and Mexico	Columbia	Africa and India
20/64	Very Large	Superior	Supremo	AA
19.5/64	Very Large	Superior	Supremo	AA
19/64	Very Large	Superior	Supremo	AA
18.5/64	Large	Superior	Supremo	AA
18/64	Large	Superior	Supremo	A
17/64	Large	Superior	Excelso	A
16/64	Medium	Segundas	Excelso	B
15/64	Medium	Segundas	Excelso	B
14/64	Small	Terceras	Excelso	C
13/64	Shells	Caracol	Excelso	PB
12/64	Shells	Caracol	Excelso	PB
11/64	Shells	Caracolli	Excelso	PB
10/64	Shells	Caracolli	Excelso	PB
9/64	Shells	Caracolillo	Excelso	PB
8/64	Shells	Caracolillo	Excelso	PB

## Grid Sieves

Part No	Slot Width	Particle Size Fraction	Net Weight unpacked
Grid-40.00	40.0 mm	80 mm - 63 mm	1.7kg
Grid-31.50	31.5 mm	63 mm - 50 mm	1.8kg
Grid-25.00	25.0 mm	50 mm - 40 mm	1.9kg
Grid-20.00	20.0 mm	40.0 mm - 31.5 mm	2.0kg
Grid-16.00	16.0 mm	31.5 mm - 25.0 mm	2.1kg
Grid-12.50	12.5 mm	25 mm - 20 mm	2.2kg
Grid-10.00	10.0 mm	20 mm - 16 mm	2.3kg
Grid-8.00	8.0 mm	16.0 mm - 12.5 mm	2.5kg
Grid-6.30	6.3 mm	12.5 mm - 10.0 mm	2.6kg
Grid-5.00	5.0 mm	10 mm - 8 mm	2.8kg
Grid-4.00	4.0 mm	8.0 mm - 6.3 mm	2.9kg
Grid-3.15	3.15 mm	6.3 mm - 5.0 mm	3.1kg
Grid-2.50	2.5 mm	5 mm - 4 mm	3.2kg

## Diamond Sieves



Endecotts can also supply interchangeable sieve sets comprising lid, receiver, sieve and interchangeable plates in 19 aperture sizes.

Endecotts Diamond Sieves are high precision measuring instruments specially manufactured to meet the strict requirements of the diamond industry. They offer a rapid and extremely accurate method of sizing. In fact they are approximately twice as precise as most other diamond sieves because nickel etched plate is used rather than perforated plate.

Both fixed plate and interchangeable plate sieves are available in 19 different aperture sizes.

Fixed plate sieves are available in stainless steel bodies of 200 mm or 8" in full or half height. These can be nested for ease of use.

Interchangeable plate sieves are supplied as sets complete with body and receiver in 200 mm diameter half height.

### Diamond Sieves

Plate Ref.	Hole Diameter (mm)	Hole Pitch (mm)
1	1.092	2.54
2	1.321	2.54
3	1.473	2.54
4	1.783	3.14
5	1.829	3.14
6	2.159	3.78
7	2.464	3.78
8	2.515	3.78
9	2.845	4.40
10	3.277	5.04
11	3.454	5.04
12	4.089	6.32
13	4.521	6.32
14	4.750	6.32
15	5.410	7.60
17	5.740	7.60
19	6.350	8.84
21	7.925	10.36
23	10.312	12.70

## Grain Sieves



Endecotts Grain Sieves are specially manufactured to meet the requirements of ISO 5223.

They are used by Government Intervention Boards and similar organisations worldwide for testing grains and cereals. They are available in 200 mm

diameter brass or stainless steel frames in full or half height depths with mild or stainless steel slotted plate. Slot sizes as table below.

### Grain Sieves

Slot Size	Sieve Height	Plate Material
3.55 mm x 20.0 mm	Full or Half	Mild or Stainless Steel
2.50 mm x 20.0 mm	Full or Half	Mild or Stainless Steel
2.24 mm x 20.0 mm	Full or Half	Mild or Stainless Steel
2.20 mm x 20.0 mm	Full or Half	Mild or Stainless Steel
2.00 mm x 20.0 mm	Full or Half	Mild or Stainless Steel
1.90 mm x 20.0 mm	Full or Half	Mild or Stainless Steel
1.80 mm x 20.0 mm	Full or Half	Mild or Stainless Steel
1.70 mm x 20.0 mm	Full or Half	Mild or Stainless Steel
1.00 mm x 20.0 mm	Full or Half	Mild or Stainless Steel

Slot widths of 2.25 mm are available on request