

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.

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

MICROPLATE SIEVES

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



SPECIALS

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. Other height options also available.

Airjet 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. New generation Airjet sieves are available on request.



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	
22.40	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

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.



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.



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.

