

Manufactured to exceptional standards of quality

Each Endecotts sieve is individually made under the most stringent quality control procedures using only the finest materials. They are manufactured in accordance with ISO 9001:2008. Certificate of Registration FM 24761 is available upon request or on Endecotts website.

The wire cloth is checked at every stage of manufacture with optical measuring instruments. The final inspection is a precision measurement of apertures, and sieve frame dimensions. Once we are satisfied that the sieve meets our exacting standards we issue an Endecotts Certificate of Compliance.

The company has an exceptional reputation as the manufacturer of the world’s finest test sieves. Skill, experience and modern production techniques help to ensure the finished product not only looks and feels right from the moment you open the box, but provides accuracy second to none.



Major Industries using Test Sieves

Industry	Application
Construction	Quality control analysis and grading of soils, aggregate, minerals, cement, etc.
General Laboratories	Miscellaneous application of particle analysis and determination of particle size, powder process industries, etc.
Chemical and Pharmaceutical	Oil exploration (analysis of minute fossils), fuels, explosives, drugs, medical & pharmaceutical applications (powders etc.)
Mining	Quarries (gravel and sand), coal mines (air pollution control), grading and particle size determination. Diamond mines, grading of diamonds and industrial diamonds.
Agriculture/Food	Confectionery and food manufacture, miscellaneous applications including kernels, etc.
Education	Schools, universities (training of techniques in particle size analysis and determination of particle size), geological etc.
Research	Research establishments engaged in original and general research. Various applications.
Engineering	Steel manufacturing organisations, foundries, iron works, etc. (determination of particle size of sand moulds, grading of coke, etc.)
Abrasive Grain Industries	Producers of precision materials for abrasive applications, i.e. grinding wheels and sandpaper.

The widest range of test sieves available

Made to International Standards

Endecotts laboratory test sieves and sample analysis equipment are used worldwide. Be it industrial sieve, laboratory test sieves, heavy engineering, mining or pharmaceuticals, Endecotts have the widest range of sieves available and are renowned for quality, durability and precision. Endecotts test sieves meet every national and international standard including ISO and ASTM.

Endecotts manufacture a wide range of sieve types, standard and special including:

- Woven wire mesh sieves
 - Perforated plate sieves
 - Microplate sieves
 - Full and half height sieves
 - Extra depth sieves
 - Wet washing sieves
- and a lot more



Endecotts test sieves can be supplied to a variety of different inspection levels depending on the information requirements specified.

Certified Test Sieves

All test sieves manufactured to a National or International Specification are supplied with a Certificate of Compliance and individually serial numbered to provide full traceability.

Inspected Test Sieves

Test sieves inspected in accordance with the procedures listed in clause 5.1, table 1 of ISO3310-1 and ASTM E11 respectively. Each sieve is supplied with an Inspection Certificate stating separately the values for the average aperture in both the warp and weft direction of the wirecloth.

Calibrated Test Sieves

Test sieves inspected and calibrated in accordance with procedures listed in clause 5.1, table 1 of ISO3310-1 and ASTM E11 respectively. Each sieve is supplied with a calibration certificate recording the number of aperture and wire diameters measured, the average aperture size and standard deviation separately for the warp and weft direction. The type of weave will also be stated.

Re-Inspection Service

Used sieves are examined and inspected in accordance with the appropriate specification. Complying sieves are issued with a Compliance, Inspection or Calibration Certificate as requested by the customer.

What to look for in a precision test sieve

Sieves can often look alike, but take a closer look and you will find they are not all the same. In fact there can be some very important differences that may affect the results, performance or life of the sieve. The illustration shows some of the important features of an Endecotts sieve and gives a good idea of what to look for whenever you specify or re-order.

Endecotts test sieves are of the highest quality and are designed for accurate and efficient particle analysis.



Certificate of Compliance
Supplied with every test sieve



Sieve diameters and frame materials

Diameter	Full Height	Half Height	Extra depth	Frame Material
3"	1 ¼"	-	-	Stainless Steel
8"	2"	1"	4", 8"	Stainless Steel / Brass
12"	3"	1 ½"	-	Stainless Steel
18"	3 ½"	-	-	Stainless Steel
100 mm	40 mm	-	-	Stainless Steel
200 mm	50 mm	25 mm	100 mm, 200 mm	Stainless Steel / Brass
300 mm	75 mm	40 mm	-	Stainless Steel / Brass
400 mm	65 mm	-	-	Stainless Steel
450 mm	100 mm	-	300 mm	Stainless Steel

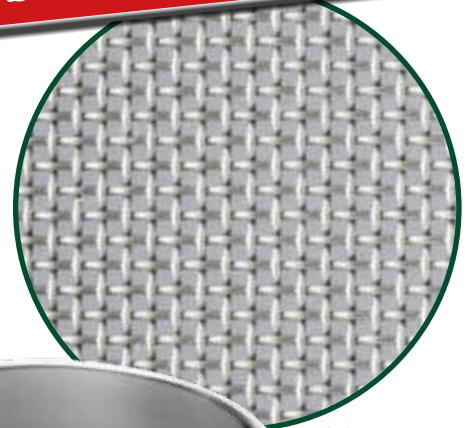
Endecotts' Finest: Woven Wire Mesh Sieves

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 100, 200, 300, 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 stainless steel or brass (400 and 450 mm only available in stainless steel).

Advantages

- Precision frame (ensures consistent nestability)
- Precise aperture (in accordance with ISO 3310, ASTM E11 or other specifications)
- Made to International Standards
- Natural fillet (free flowing of sample)
- Totally sealed (no crevice to lose material)
- Evenly tensioned mesh ensures accurate analysis
- Safe edge (big radius makes it comfortable to handle)
- Serial number (ensures full traceability)



Endecotts Standard Woven Wire Mesh Sieves are available in these sizes

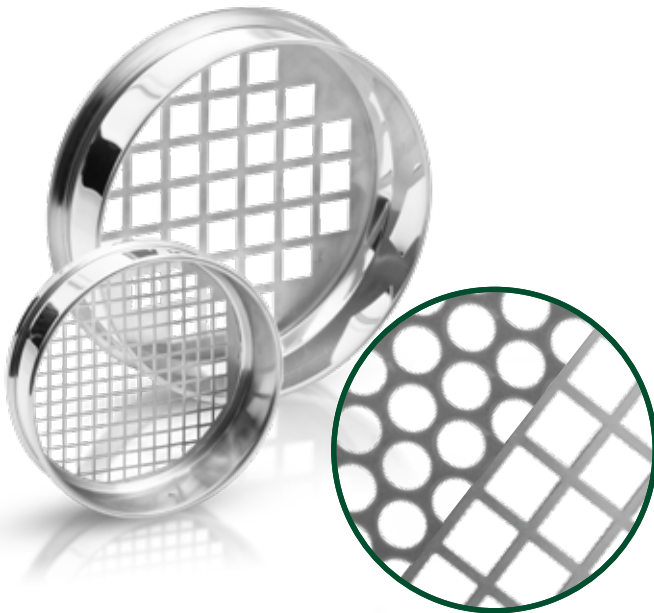
International Test Sieve Series

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

American Standard Sieve Series

ASTM E11 Sieve Designation					
Standard	Altern.	Standard	Altern.	Standard	Altern.
125.00 mm	5.00	9.50 mm	3/8	425 µm	No.40
106.00 mm	4.24	8.00 mm	5/16	355 µm	No.45
100.00 mm	4	6.70 mm	0.265	300 µm	No.50
90.00 mm	3 1/2	6.30 mm	1/4	250 µm	No.60
75.00 mm	3	5.60 mm	No. 3 1/2	212 µm	No.70
63.00 mm	2 1/2	4.75 mm	No. 4	180 µm	No.80
53.00 mm	2.12	4.00 mm	No. 5	150 µm	No.100
50.00 mm	2	3.35 mm	No. 6	125 µm	No.120
45.00 mm	1 3/4	2.80 mm	No. 7	106 µm	No.140
37.50 mm	1 1/2	2.36 mm	No. 8	90 µm	No.170
31.50 mm	1 1/4	2.00 mm	No.10	75 µm	No.200
26.50 mm	1.06	1.70 mm	No.12	63 µm	No.230
25.00 mm	1	1.40 mm	No.14	53 µm	No.270
22.40 mm	7/8	1.18 mm	No.16	45 µm	No.325
19.00 mm	3/4	1.00 mm	No.18	38 µm	No.400
16.00 mm	5/8	850 µm	No.20	32 µm	No. 450
13.20 mm	0.530	710 µm	No.25	25 µm	No. 500
12.50 mm	1/2	600 µm	No.30	20 µm	No. 635
11.20 mm	7/16	500 µm	No.35		

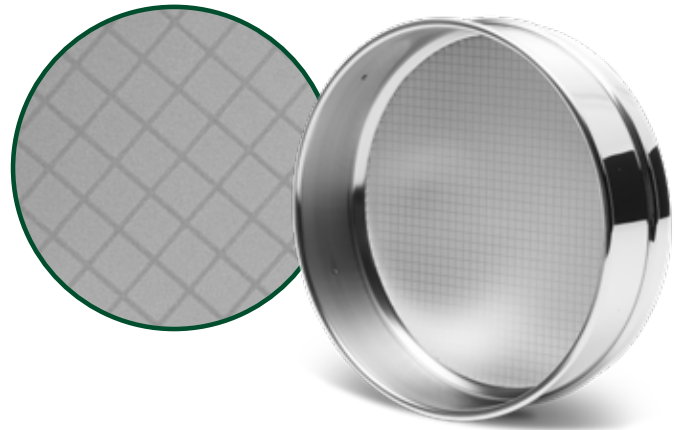
Perforated Plate Sieves



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, 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. They are manufactured to the highest engineering standards to ensure quality and accuracy.

Perforated plate sieves are available to every national and international standard.

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.

Perforated Plate Series ISO 3310-2					
Nominal Aperture Sizes Round & Square Holes [mm]					
125.00	71.00	37.50	20.00	11.20	6.30
112.00	63.00	35.50	19.00	10.00	5.60
106.00	56.00	31.50	18.00	9.50	5.00
100.00	53.00	28.00	16.00	9.00	4.75
90.00	50.00	26.50	14.00	8.00	4.50
80.00	45.00	25.00	13.20	7.10	4.00
75.00	40.00	22.40	12.50	6.70	
Nominal Aperture Sizes Round Hole Only [mm]					
3.55	2.80	2.24	1.70	1.25	1.00
3.35	2.50	2.00	1.60	1.18	
3.15	2.36	1.80	1.40	1.12	

Microplate Sieves ISO 3310-3			
Nominal Aperture Sizes for 100 mm Diameter Sieves [µm]			
75	40	20	5
60	30	15	
50	25	10	
Nominal Aperture Sizes for 200 mm Diameter Sieves [µm]			
200	160	15	5
190	150	12	
180	25	10	
170	20	8	

Specials

Diamond Sieves

Endecotts Diamond Sieves are high precision measuring instruments specially manufactured to meet the strict requirements of the diamond industry. They are produced from stainless steel and offer a rapid and extremely accurate method of sizing.

Diamond 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.

Fixed plates are available in a range of aperture sizes.



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" with the complete range of woven wire mesh or perforated plate sieving media. Other height options are also available.



Diamond Sieves

Plate Size	Hole Diameter [mm]	Plate Size	Hole Diameter [mm]
1	1.092	11	3.454
2	1.321	12	4.089
3	1.473	13	4.521
4	1.783	14	4.750
5	1.829	15	5.410
6	2.159	17	5.740
7	2.464	19	6.350
8	2.515	21	7.925
9	2.845	23	10.312
10	3.277		

Extra Deep and Wet Washing Sieves

Extensively used by the construction and cement industries. These extra deep sieves are made to International Standards. Made from steel with woven wire mesh or perforated plate. Available in the below sizes.

Extra Deep & Wet Washing Sieves

Aperture sizes: 125 mm - 20 μ m

ASTM (diameter x depth)

8" x 4"

8" x 8"

200 mm x 100 mm

200 mm x 200 mm

450 mm x 300 mm

ISO (diameter x depth)

8" x 4"

8" x 8"

200 mm x 100 mm

200 mm x 200 mm

450 mm x 300 mm



Lids & Receivers

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



