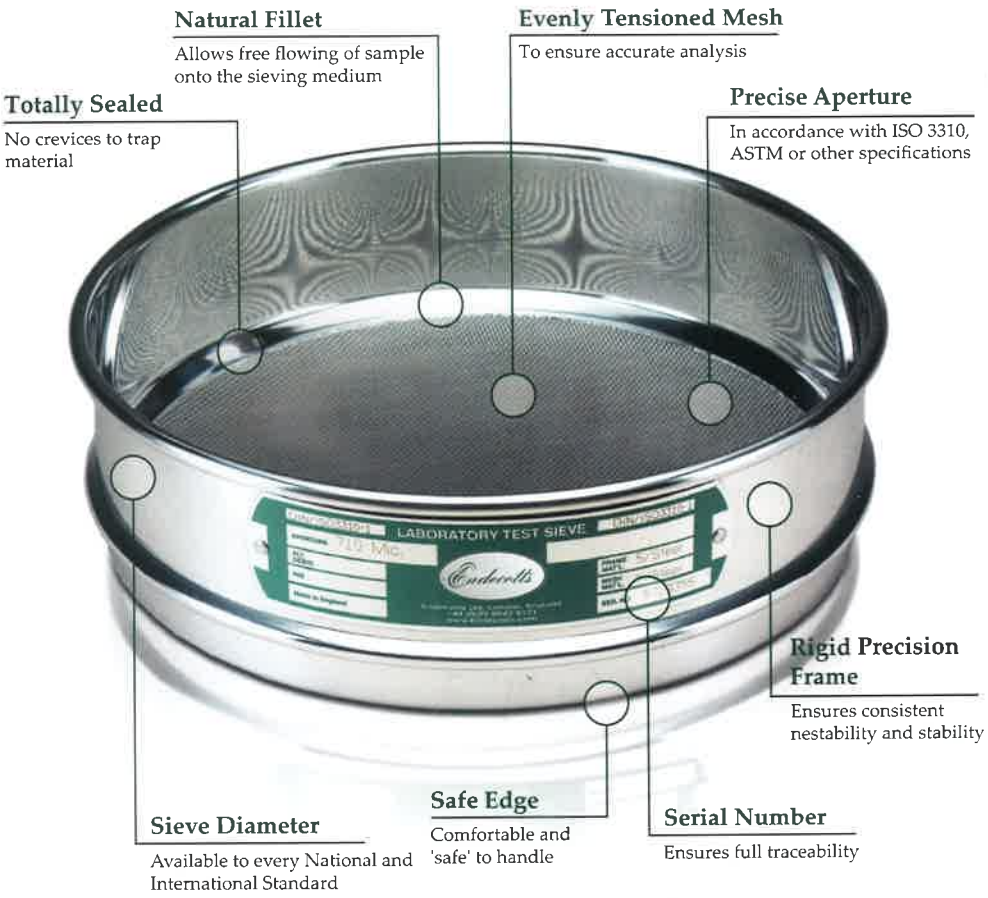
What to look for in a precision test sieve

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



Natural Fillet
Allows free flowing of sample onto the sieving medium

Evenly Tensioned Mesh
To ensure accurate analysis

Totally Sealed
No crevices to trap material

Precise Aperture
In accordance with ISO 3310, ASTM or other specifications

Rigid Precision Frame
Ensures consistent nestability and stability

Safe Edge
Comfortable and 'safe' to handle

Sieve Diameter
Available to every National and International Standard

Serial Number
Ensures full traceability

Sieve diameters and frame materials

Diameter	Full Height	Half Height	Frame Material
3"	1 ¼"	1"	Stainless Steel / Brass
8"	2"	1"	Stainless Steel / Brass
12"	3"	1"	Stainless Steel / Brass
18"	3 ½"	-	Sainless Steel
38 mm	19 mm	-	Stainless Steel / Brass
100 mm	40 mm	20 mm	Stainless Steel / Brass
150 mm	38 mm	-	Sainless Steel
200 mm	50 mm	25 mm	Stainless Steel / Brass
250 mm	60 mm	-	Sainless Steel
300 mm	75 mm	40 mm	Stainless Steel / Brass
315 mm	75 mm	-	Stainless Steel
350 mm	60 mm	-	Stainless Steel
400 mm	65 mm	-	Stainless Steel
450 mm	100 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 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 stainless steel or brass (315, 350, 400 and 450 mm only available in stainless steel).

Advantages

- Precision frame (ensures consistent nestability)
- Precise aperture (in accordance with ISO 3310, ASTM or other specifications)
- Available to every national and international standard
- 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 ½	6.30 mm	¼	250 µm	No.60
75.00 mm	3	5.60 mm	No. 3 ½	212 µm	No.70
63.00 mm	2 ½	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 ¾	2.80 mm	No. 7	106 µm	No.140
37.50 mm	1 ½	2.36 mm	No. 8	90 µm	No.170
31.50 mm	1 ¼	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	¾	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	½	600 µm	No.30	20 µm	No. 635
11.20 mm	7/16	500 µm	No.35		