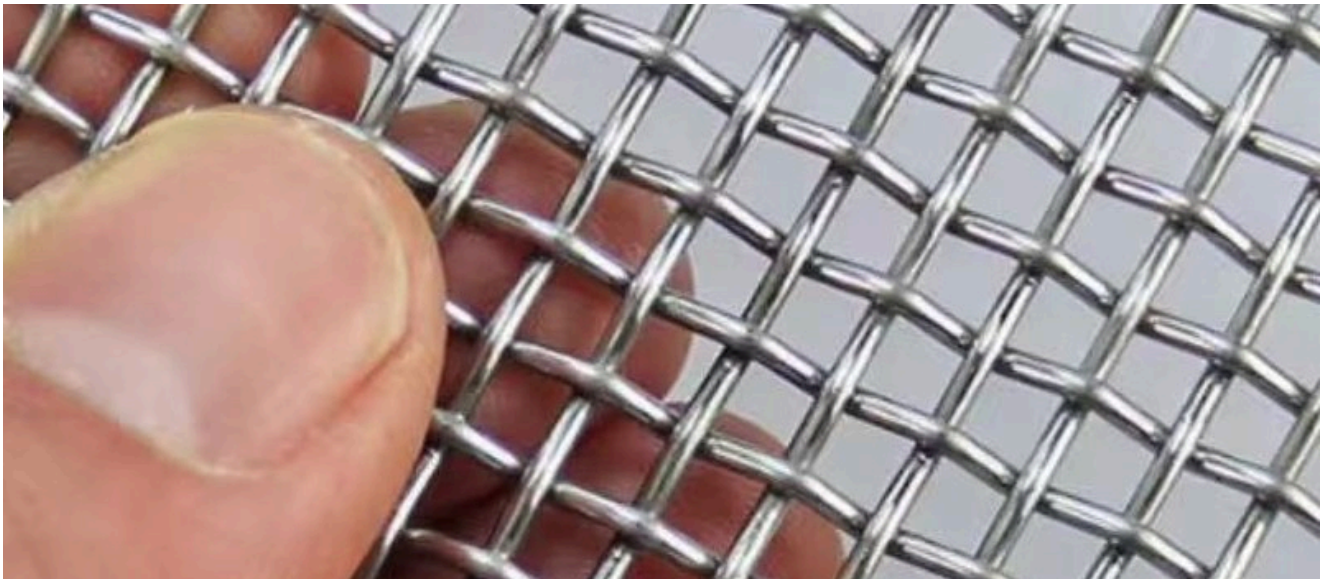
TECHNICAL REFERENCE

Mesh / Aperture / Wire Diameter Reference Chart

Stainless steel wire mesh · Plain weave · Metric units



A quick-reference selection tool for specifiers, engineers and purchasers. Keep it for your next enquiry.

CX-MESH-REF-01 | REV. 2026-11 | ANPING · CHINA

Square-weave mesh reference

Part 1 of 2 | Mesh 20 – 100

Mesh	Wire Ø (mm)	Aperture (mm)	Aperture (µm)	Open area (%)
20	0.400	0.870	870	46.9
30	0.300	0.547	547	41.7
40	0.250	0.385	385	36.8
50	0.200	0.308	308	36.8
60	0.190	0.233	233	30.4
80	0.160	0.158	158	24.6
100	0.114	0.140	140	30.4

Square-weave mesh reference

Part 2 of 2 | Mesh 120 – 400

Mesh	Wire Ø (mm)	Aperture (mm)	Aperture (µm)	Open area (%)
120	0.104	0.108	108	25.9
150	0.081	0.088	88	27.2
180	0.071	0.070	70	24.7
200	0.064	0.064	64	25.0
250	0.050	0.052	52	25.8
300	0.042	0.043	43	25.4
325	0.038	0.040	40	26.4
400	0.030	0.034	34	27.8

Note Reference values calculated as pitch = 25.4 / mesh, aperture = pitch − wire diameter. Square-wire plain-weave approximation only. Actual aperture varies with wire tolerance and post-processing. Confirm against your required specification before ordering.

Need a custom mesh specification? Send us your requirements → www.cxsiwang.com/contact/