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Wire mesh size chart pdf

Wire mesh standard size. Wire mesh size and weight. Wire mesh size chart india pdf. Wire mesh size. Wire mesh size calculation.

U.S. MESH	MICRONS	MILLIMETERS	DIAMETER										
256605.660.223447604.760.187540040.157633603.360													
the above table, these values are generally accepted as accurate.													
the screen opening and the smaller the particle that will pass through.													
Wire diameter(mm).Micron(μm)=Aperture(mm)/1000. © 1995													
that all of the particles in that grade of product are within the number of openings per inch.													
U.S. Mesh Size (or U.S. Sieve Size) is defined as the number of openings per inch.													
Chemical Composition Limits for Various Aluminum Wire Mesh Alloys (in %)													
U.S.	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Ga	V	Other	Aluminum
350	0.10	0.40	0.05	0.01	—	—	0.05	—	—	0.03	—	Trace	99.50
052	0.25	0.40	0.10	0.10	2.2- 2.8	0.15-0.35	—	0.10	—	—	—	—	Remainder
056	0.3	0.40	0.1	0.05	4.5- 5.6	0.05- 0.20	—	0.10	—	—	—	—	Remainder

0.6 0.40 0.70 0.35 0.15 0.8 1.2 0.04-0.35 0.25 0.35 - Remainder

Wire Mesh Screen Size Conversion Chart											
Mesh Size		Wire Diameter		Aperture		Weight					
/inch	/cm	SWG	mm	mm	kgs/m ²	/inch	/cm	SWG	mm	mm	kgs/m ²
3	1.18	14	2.20	6.27	7.250	22	8.66	32	0.27	0.880	0.802
3	1.18	16	1.63	6.84	3.950	24	9.45	32	0.27	0.780	0.874
3	1.18	18	1.22	7.25	2.230	26	10.2	32	0.27	0.707	0.947
4	1.57	16	1.63	4.72	5.300	28	11.0	34	0.23	0.677	0.740
4	1.57	18	1.22	5.13	2.950	30	11.8	34	0.23	0.616	0.793
4	1.57	20	0.91	5.44	1.650	32	12.6	34	0.23	0.563	0.846
5	1.96	18	1.22	3.86	3.720	36	14.2	34	0.23	0.475	0.952
6	1.69	20	0.91	3.32	2.480	38	15.0	36	0.19	0.480	0.686
6	1.69	22	0.71	3.52	1.470	40	15.7	36	0.19	0.445	0.722
8	3.15	20	0.91	2.26	3.240	50	19.7	38	0.152	0.356	0.527
8	3.15	24	0.55	2.62	1.210	60	23.6	40	0.122	0.300	0.446
10	3.94	20	0.91	1.63	4.100	80	31.5	42	0.102	0.216	0.416
10	3.94	25	0.50	2.04	1.250	100	39.4	42	0.081	0.173	0.328
12	4.72	22	0.71	1.41	3.020	120	39.2	44	0.081	0.130	0.393
12	4.72	25	0.50	1.62	1.500	150	59.1	46	0.061	0.108	0.280
14	5.52	26	0.46	1.36	1.480	160	63.0	46	0.061	0.097	0.300
14	5.52	28	0.375	1.44	0.984	180	70.9	47	0.051	0.090	0.234
16	6.30	28	0.375	1.21	1.125	200	78.7	47	0.051	0.076	0.260
16	6.30	30	0.315	1.27	0.793	250	98.4	48	0.041	0.061	0.210
18	7.09	30	0.315	1.10	0.893	300	118	49	0.031	0.054	0.144
20	7.87	30	0.315	0.96	0.992	350	138	49	0.031	0.042	0.157
20	7.87	30	0.30	0.97	0.900	400	158	50	0.025	0.0385	0.125
20	7.87	32	0.27	1.00	0.729	500	196	50	0.025	0.0258	0.153

The terms Mesh and Grit are often confused. The terms can be used interchangeably when referring to abrasive grit. A 60 mesh Aluminum Oxide can also correctly be termed a 60 grit Aluminum Oxide. In practical terms, identifying a specific abrasive product with the term 60 Mesh would normally indicate that the product has a median size of the openings on a 60 mesh screen. The term 60 Grit more accurately identifies the particle size distribution of the product but the difference in terminology is insignificant for industry purposes. See our Mesh vs. Grit for more detail. Mesh Conversion Chart The chart below shows the approximate size in inches and microns for various mesh sizes. These values are generally accepted as accurate but are approximations because the thickness of the wire used to make a specific screen will vary the number of openings in the one square inch. A micron is one-millionth of a meter or one-twenty-five thousandths of an inch. Most grades below 325 mesh are indicated by the micron sizes as these sizes are not manufactured using screens. 4,750 um 0.1875 in 0.0475 um 0.1576 6,350 um 0.1327 2,800 um 0.1118 2,360 um 0.0937 10,2000 um 0.0787 12,1700 um 0.0661 14,1400 um 0.0555 16,1200 um 0.0473 18,1000 um 0.0394 20,850 um 0.0331 24,690 um 0.02730,560 um 0.02236,485 um 0.01940,425 um 0.01646,355 um 0.01454,305 um 0.01260,250 um 0.0170,210 um 0.008380,165 um 0.006590,145 um 0.0057100,149 um 0.0059120,125 um 0.0049140,105 um 0.0041150,89 um 0.0035170,88 um 0.003180,76 um 0.00320,75 um 0.002520,53 um 0.020280,4 um 0.0010320,6 um 0.0002400,23 um 0.00087500,19 um 0.00075600,16 um 0.00063800,12 um 0.000471000,9 um 0.000281200,6 um 0.00024