

Comparison Tables

Screen Cloth Selection

- Guide To Aperture Size / Product (for 15° - 20° Inclined screens only)

Product size required (mm)	Square			Hexagonal across flat			Round		
	size (mm)	bar (mm)	open (%)	size (mm)	bar (mm)	open (%)	size (mm)	bar (mm)	open (%)
1.5							3.2	1.6	40.3
2							4	2.4	35.4
3							4.8	2.4	40.3
4							6.4	3.2	40.3
4.5	6.4	4.8	32.6	7.1	3.2	47.9	7.9	4	40.3
				7.9	4	44.4			
6	7.9	4.8	39.0	8.7	3.2	53.8	9.5	4.8	40.3
				9.5	4.8	44.4			
8	9.5	4.8	44.4	10.3	3.6	55.2	12.7	4.8	
				11.1	4	54.3			
9.5	11.1	4.8	49.0	11.9	4	56.2			
11	12.7	4.8	52.9	12.7	4.8	52.9			
12.5	14.3	4.8	55.3	14.3	4.8	56.3	15.9	4.8	53.6
14	15.9	4.8	57.2	15.9	4.8	59.2			
				17.5	4.8	61.7	19.1	6.4	51.0
16	19.1	6.4	56.3	19.1	5.6	59.9			
19	22.2	6.4	62.5	20.6	6.4	58.5	22.2	6.4	54.8
21	23.8	6.4	62.3	23.8	6.4	62.3	25.4	6.4	53.0
22	25.4	6.4	64.0	25.4	6.4	28.6	28.6	7.9	
25.5	28.6	7.9	61.2	28.6	7.1	64.0	31.8	9.5	53.6
26.5	31.8	7.9	64.0	31.8	7.1	66.6	34.9	9.5	55.9
32	34.9	7.9	66.4	34.9	7.9	66.4	38.1	9.5	53.0
35	38.1	9.5	64.0	38.1	9.5	64.4	41.3	9.5	59.8
	41.3	9.5	66.0	41.3	9.5	66.0	44.5	9.5	61.5
38				44.5	9.5	67.8	47.6	9.5	63.0
41	44.5	11.1	64.0	46	12.7	61.4			
44.5				47.6	9.5	69.4	50.8	9.5	64.3
48	50.8	11.1	67.3	49.2	9.5	70.2	57.2	12.7	60.7
				55.6	11.1	64.7	60.3		64.7
				57.2	11.1	70.1			
51	54.0	11.1	62.8	58.7	11.1	70.1	63.5	11.1	65.7
57	57.2	11.1	70.1	63.5	11.1	72.4	69.9	11.1	67.3
63.5	63.5	11.1	72.4	69.9	11.1	74.4	76.2	11.1	69.1
	69.9	11.1	74.4	76.2	11.1	76.2	82.6	11.1	70.4

Hardness & Stress

Brinell Hardness	Rockwell Hardness		Vickers Hardness	Tensile Stress Equivalent			
	HB	HRC		HRB	HV	Tons/in ²	1000lb/in ²
601	60.0	—	698	132	295	208	2039
578	58.9	—	670	127	284	200	1961
555	57.1	—	630	122	273	192	1884
534	56.1	—	609	117	262	184	1807
514	54.4	—	572	112	250	176	1729
495	51.9	—	532	108	241	170	1668
477	50.7	—	517	105	235	165	1621
461	49.5	—	497	101	226	160	1559
444	47.5	—	470	98	219	155	1513
429	46.0	—	452	95	212	150	1467
415	44.8	—	437	92	206	145	1420
401	43.7	—	422	88	197	139	1359
388	42.4	—	408	85	190	134	1312
375	41.3	—	395	82	183	129	1266
363	39.9	—	381	80	179	126	1235
352	38.8	—	370	77	172	121	1189
341	37.7	—	359	75	168	118	1158
331	36.7	—	349	73	163	114	1127
321	35.0	—	337	71	159	111	1096
311	34.0	—	327	68	152	107	1050
302	33.0	—	318	66	147	104	1019
293	32.0	—	308	64	143	101	988
285	30.9	—	300	63	141	99	973
277	29.8	—	292	61	136	96	942

Brinell Hardness	Rockwell Hardness		Vickers Hardness	Tensile Stress Equivalent			
	HB	HRC		HRB	HV	Tons/in ²	1000lb/in ²
269	29.0	—	284	59	132	93	911
262	27.5	—	275	58	130	91	895
255	26.6	—	269	56	125	89	865
248	25.2	—	261	55	123	87	849
241	24.3	—	255	53	118	84	818
235	23.0	—	247	51	114	81	787
229	22.0	—	241	50	112	79	772
223	20.8	—	234	49	110	77	756
217	—	—	228	48	107	76	741
212	—	98	222	46	103	73	710
207	—	97	218	45	101	71	695
197	—	96	212	43	97	68	664
187	—	93	196	41	92	65	632
179	—	91	188	39	88	62	602
170	—	88.5	178	36	81	57	556
163	—	86	171	35	78	55	540
156	—	84.2	163	34	76	54	525
149	—	82	156	32	72	51	494
143	—	80	150	31	69	49	479
137	—	77	143	30	67	48	463
131	—	75	137	29.5	66	47	455
126	—	72.5	132	29	65	46	448
121	—	70	127	28	63	44	432
116	—	67	122	26	58	42	401

