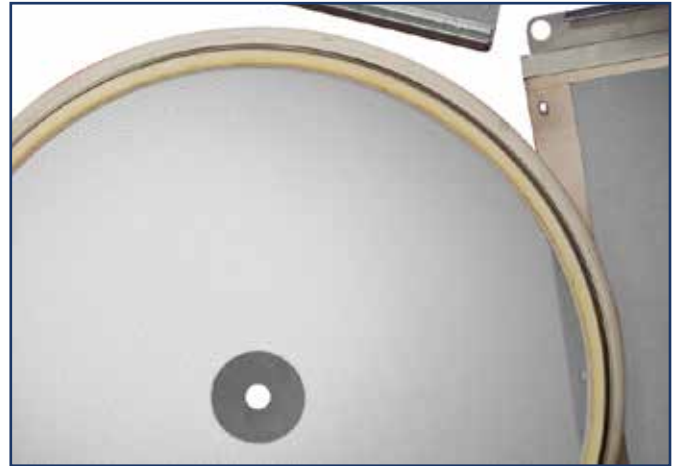




# Pre-Tensioned Screens

Buffalo Wire Works supplies a full range of pre-tensioned screens. We offer a wide variety of ring and frame diameters for your new or rescreening needs.

Our screens are compatible with all major OEM screeners and are perfect for product maximization and throughput.



## Features

- Uniform screen tension and high performance
- Able to re-screen your current frames: rectangular, circular and other geometric shapes
- Screen meshes include market, mill and TBC
- Frames available in high quality stainless steel, high carbon, aluminum and other popular frame alloys
- Heat cured epoxy bonding is suitable for high temperatures and food grade separation

## Accessories

- Sliders: singular or cluster
- Rubber boots: down spout connectors
- Mesh cleaning balls: all diameters available in silicone, gum rubber, SBR and more





## U.S. Standard Test Sieve Openings

Standard Sieve No.	Opening Inches	Approx. Microns
3.5	.2205	5600
4	.1870	4750
5	.1575	4000
6	.1319	3350
7	.1102	2800
8	.0929	2360
10	.0787	2000
12	.0669	1700
14	.0551	1400
16	.0465	1180
18	.0394	1000
20	.0335	850
25	.0280	710
30	.0236	600
35	.0197	500
40	.0167	425
45	.0140	355
50	.0118	300
60	.0098	250
70	.0083	212
80	.0071	180
100	.0059	150
120	.0049	125
140	.0042	106
170	.0035	90
200	.0030	75
230	.0025	63
270	.0021	53
325	.0018	45
400	.0015	38
500	.0010	25
635	.0008	20

## Wire Cloth Specification Chart

Mill Grades				Market Grades				Tensile Bolting Cloth			
Mesh	Wire Diameter Inches	Mesh Opening Inches	% Open Area	Mesh	Wire Diameter Inches	Mesh Opening Inches	% Open Area	Mesh	Wire Diameter Inches	Mesh Opening Inches	% Open Area
2	.054	.4460	79.6	2	.063	.437	76.4	14	.0090	.0620	76.4
3	.041	.2923	76.7	3	.054	.279	70.1	16	.0090	.0535	73.3
4	.035	.2150	74.0	4	.0475	.2023	65.9	18	.0090	.0466	70.2
5	.032	.1680	70.6	4	.063	.187	56.0	20	.0090	.0410	67.2
6	.028	.1387	69.6	5	.041	.159	63.2	22	.0075	.0380	69.7
7	.028	.1149	64.8	6	.0348	.1318	62.7	24	.0075	.0342	67.2
8	.025	.1000	64.0	7	.035	.1080	57.2	26	.0075	.0310	64.8
9	.023	.0881	62.7	8	.0286	.0964	60.2	28	.0075	.0282	62.4
10	.020	.0800	64.0	10	.0258	.0742	56.3	30	.0065	.0268	64.8
11	.020	.0709	61.0	11	.018	.0730	64.5	32	.0065	.0248	62.7
12	.018	.0653	60.8	12	.023	.0603	51.8	34	.0065	.0229	60.7
14	.017	.0544	57.2	14	.0204	.0510	51.0	36	.0065	.0213	58.7
16	.016	.0465	55.4	16	.0181	.0445	50.7	38	.0065	.0198	56.7
18	.015	.0406	53.4	18	.0173	.0386	48.3	40	.0065	.0185	54.8
20	.014	.0360	51.8	20	.0162	.0340	46.2	42	.0055	.0183	59.1
22	.0135	.0320	49.6	24	.014	.0277	44.2	44	.0055	.0172	57.4
24	.013	.0287	47.4	30	.0128	.0203	37.1	46	.0055	.0162	55.8
26	.011	.0275	51.1	35	.0118	.0168	34.6	48	.0055	.0153	54.2
28	.010	.0257	51.8	40	.0104	.0150	36.0	50	.0055	.0145	52.6
30	.0095	.0238	51.0	50	.0090	.0110	30.3	52	.0055	.0137	51.0
32	.0090	.0223	50.9	60	.0075	.0092	30.5	54	.0055	.0130	49.4
34	.0090	.0204	48.1	80	.0055	.0070	31.4	58	.0045	.0127	54.6
36	.0090	.0188	45.8	100	.0045	.0055	30.3	60	.0045	.0122	53.3
38	.0085	.0178	45.8	120	.0037	.0046	30.5	62	.0045	.0116	51.7
40	.0085	.0165	43.6	150	.0026	.0041	37.9	64	.0045	.0111	50.7
45	.0080	.0142	40.8	180	.0023	.0033	34.7	70	.0037	.0106	54.9
50	.0075	.0125	39.1	200	.0021	.0029	33.6	72	.0037	.0102	53.8
55	.0070	.0112	37.9	250	.0016	.0024	36.0	74	.0037	.0098	52.7
60	.0065	.0102	37.5	270	.0016	.0021	32.2	76	.0037	.0095	51.7
				325	.0014	.0017	30.5	78	.0037	.0091	50.6
				400	.0010	.0015	36.0	80	.0037	.0088	49.6
				500	.0010	.0010	25.0	84	.0035	.0084	49.8
								88	.0035	.0079	47.9
								90	.0035	.0076	47.8
								94	.0035	.0071	45.0
								105	.0030	.0065	46.9
								120	.0026	.0058	47.3
								145	.0022	.0047	46.4
								165	.0019	.0042	47.1
								200	.0016	.0034	46.2
								230	.0014	.0029	46.0
								300	.0012	.0022	42.0

Use the above chart to find the U.S. standard sieve number and opening that is utilized in your screening operation.

After you have found the opening size required, select the closest available mesh opening from the market grades, mill grades and tensile bolting cloths listed on the wire cloth specification chart. If you are looking to increase production throughput, try a tensile bolting cloth which offers the highest percentage of open area.

For more information contact our Sales Team at 716.826.4666

