



# Industrial Products

## Serving All of Your Plant Needs and More

Buffalo Wire Works screens are woven and tested to ensure consistent and accurate product sizing and screening quality. Our industrial screens are used for a wide variety of applications including Frac Sand, Agriculture, Food Processing and Milling, Fertilizer Production, Minerals and Chemicals.

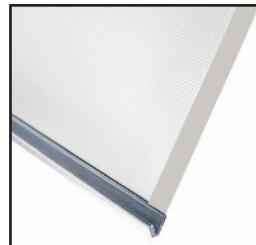
Call our team today to learn more about our Aggregate and Mining products and what Buffalo Wire Works can do for you.

### Taped Edge Replacement Screens



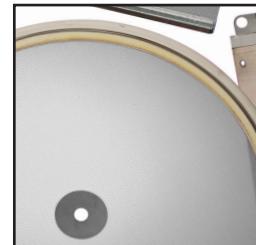
- Food grade and high temperature edge treatments
- Replacement screens fit Rotex and Megatex™ machines and are also compatible with many other types of OEM equipment

### Replacement Hooked Panel Screens



- Manufactured to fit all OEM equipment
- Tight tolerances ensure equal tension
- Additional design features include cotton web inserts, laps, fold-backs, double reinforced hooks and more

### Pre-Tensioned Screens



- Epoxy bonded for uniform screen cloth tension
- Circular rings, 18" - 72" and 18" - 72" for re-screening
- Rectangular screens and all frame sizes

### Synthetic Screens



- Synthetic screens are fabricated to fit all vibratory machines
- Edge treatments designed to maximize performance
- Full line of nylon and polyester meshes

### Rolled Goods



- Wide range of material offerings
- Variety of mesh sizes and configurations in mill, market and bolting grades
- Available in 304, 316, 430 stainless steel and high carbon wire

### Accessories



- Mesh cleaning balls, Molded Connectors, Flexible Connectors, Rubber Boots, Sleeves, Single and Cluster Ring Sliders, Quick Release Clamps and Gasket Rings



**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**

**Tensile Bolting Cloth      Mill Grades      Market Grades**

Standard Sieve No.	Opening Inches	Approx. Microns	Tensile Bolting Cloth			Mill Grades			Market Grades			
			Wire Mesh	Diameter Inches	Mesh Opening Inches	% Open Area	Wire Mesh	Diameter Inches	Mesh Opening Inches	% Open Area	Wire Mesh	
							2	.054	.4460	79.6	2	.063
							3	.041	.2923	76.7	3	.054
							4	.035	.2150	74.0	4	.0475
							5	.032	.1680	70.6	5	.041
							6	.028	.1387	69.6	6	.0348
							7	.028	.1149	64.8	7	.035
							8	.025	.1000	64.0	8	.0286
							9	.023	.0881	62.7		
							10	.020	.0800	64.0	10	.0258
							11	.020	.0709	61.0	11	.018
							12	.018	.0653	60.8	12	.023
							14	.017	.0544	57.2	14	.0204
							16	.016	.0465	55.4	16	.0181
							18	.015	.0406	53.4		
							20	.014	.0360	51.8	18	.0173
							22	.0135	.0320	49.6	20	.0162
							24	.013	.0287	47.4		
							26	.011	.0275	51.1	24	.014
							28	.0075	.0282	62.4		
							30	.0065	.0268	64.8	32	.0065
							32	.0065	.0248	62.7	34	.0065
							34	.0065	.0229	60.7	36	.0065
							36	.0065	.0213	58.7	38	.0065
							38	.0065	.0198	56.7	40	.0065
							40	.0065	.0185	54.8	42	.0055
							42	.0055	.0183	59.1	44	.0055
							44	.0055	.0172	57.4	46	.0055
							46	.0055	.0162	55.8	48	.0055
							48	.0055	.0153	54.2	50	.0055
							50	.0055	.0145	52.6	52	.0055
							52	.0055	.0137	51.0	54	.0055
							54	.0055	.0130	49.4	58	.0045
							58	.0045	.0127	54.6	60	.0045
							60	.0045	.0122	53.3	62	.0045
							62	.0045	.0116	51.7	64	.0045
							64	.0045	.0111	50.7	70	.0037
							70	.0037	.0106	54.9	72	.0037
							72	.0037	.0102	53.8	74	.0037
							74	.0037	.0098	52.7	76	.0037
							76	.0037	.0095	51.7	78	.0037
							78	.0037	.0091	50.6	80	.0037
							80	.0037	.0088	49.6	84	.0035
							84	.0035	.0084	49.8	88	.0035
							88	.0035	.0079	47.9	90	.0035
							90	.0035	.0076	47.8	94	.0035
							94	.0035	.0071	45.0	105	.0030
							105	.0030	.0065	46.9		
											120	.0026
											120	.0022
											145	.0022
											165	.0019
											200	.0016
											230	.0014
											300	.0012

Use this 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.



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