



B.D.i

INDUSTRIAL PROFILE SCREENS

100%
STAINLESS
Steel

Screens Engineered and Manufactured for Your Industry...

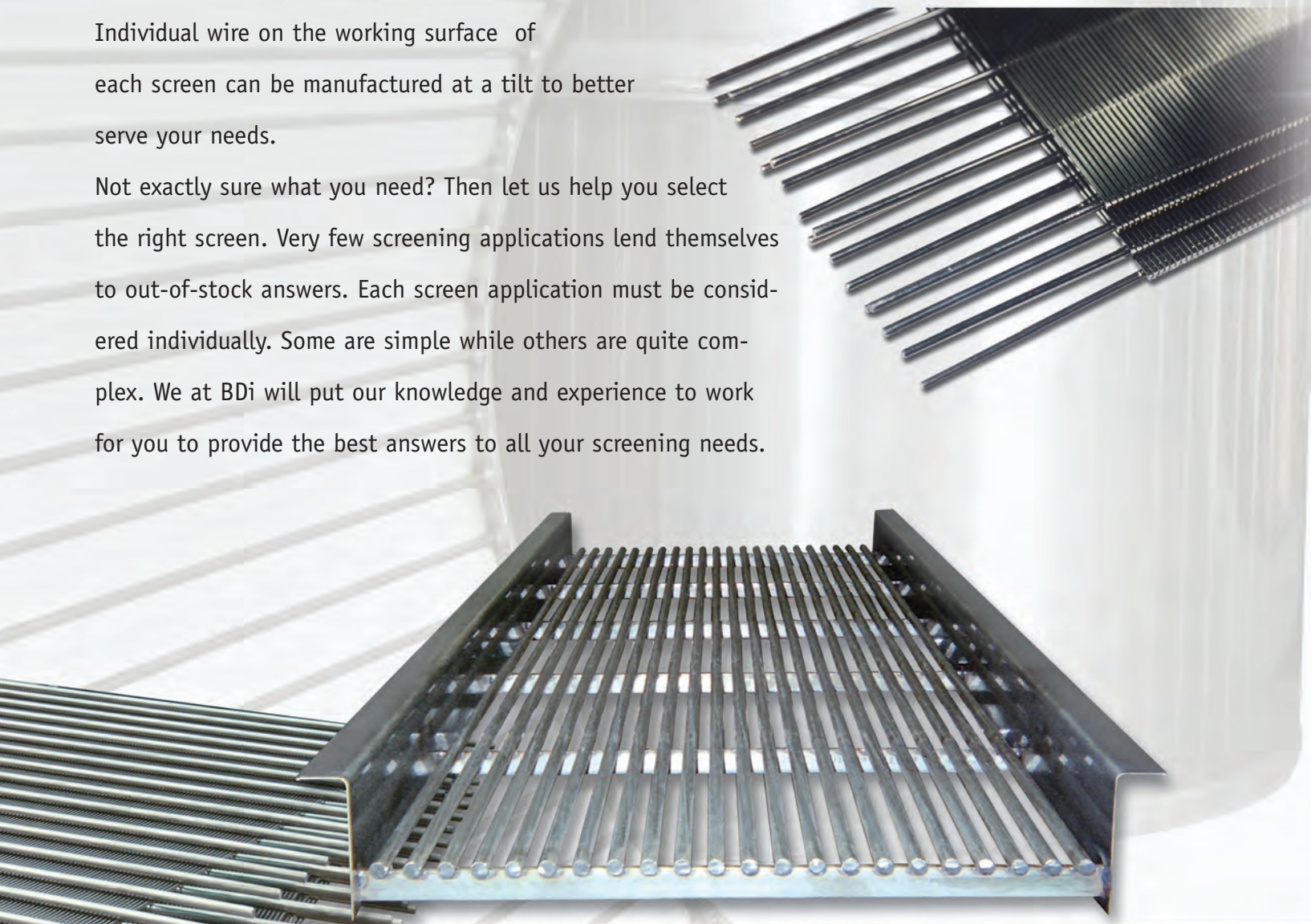
Our screens are all custom made and can be designed and built to fit any screening equipment in any specified width and length. Need a screen on an extra large

scale? No problem. Plus, size, shape and spacing of profile wire are engineered to meet your special job requirements.

Individual wire on the working surface of each screen can be manufactured at a tilt to better serve your needs.

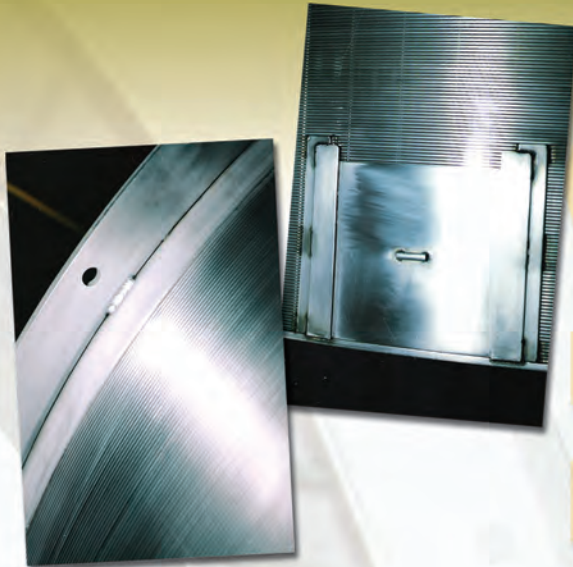
Not exactly sure what you need? Then let us help you select the right screen. Very few screening applications lend themselves to out-of-stock answers. Each screen application must be considered individually. Some are simple while others are quite complex. We at BDi will put our knowledge and experience to work for you to provide the best answers to all your screening needs.

BDi Screens are used in a wide variety of industries to dewater, drain and rinse, filter, classify wet/dry, strain, size, dry and cool.



Industries Served: Agriculture · Architectural · Brewery · Food Processing

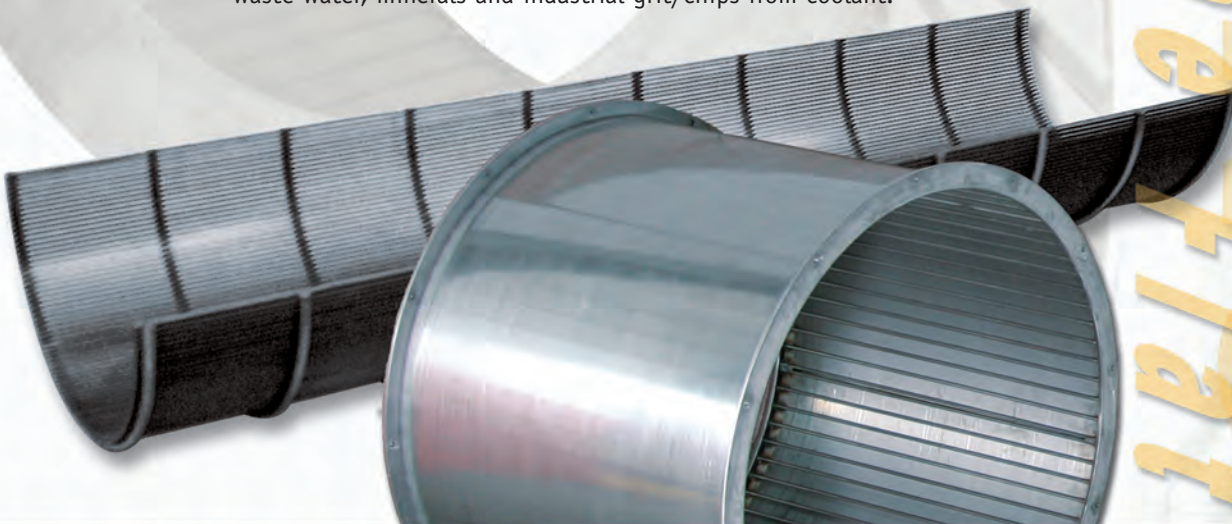
Industrial Stainless Screens



Cylinders

Cylinder screens can be manufactured in almost unlimited height and diameter with the wire running circumferential or long-slot rolled to the I.D. or the O.D. of the cylinder. They can be manufactured for stationary/static processing or can be driven on trunions for a rotating effect on your materials.

Our cylinders can be used in food processing, waste-water filtration, pulp and paper as well as mineral processing applications. The half cylinder pictured below is added to an auger to separate solids from liquids in food, waste water, minerals and industrial grit/chips from coolant.



• Gold • Mineral Processing • Mining • Paper • Waste Water • and More...

Sieve Screens

BDI screens are used in static sieves in a variety of flat, curved and cylindrical styles depending on your specific requirements. Static sieves are the screens of choice in many applications because they have no moving parts allowing you to achieve high efficiency and dewatering.

Sieve screens are used in a wide variety of industries. You can use a sieve screen in mineral processing plants for coal, potash, taconite, sand or gravel. Food processing plants use these screens for sizing and washing potatoes, vegetables and cereal. These screens are also used to process corn for ethanol and corn starch, as well as to process sugar, animal waste and fertilizer.

Baskets

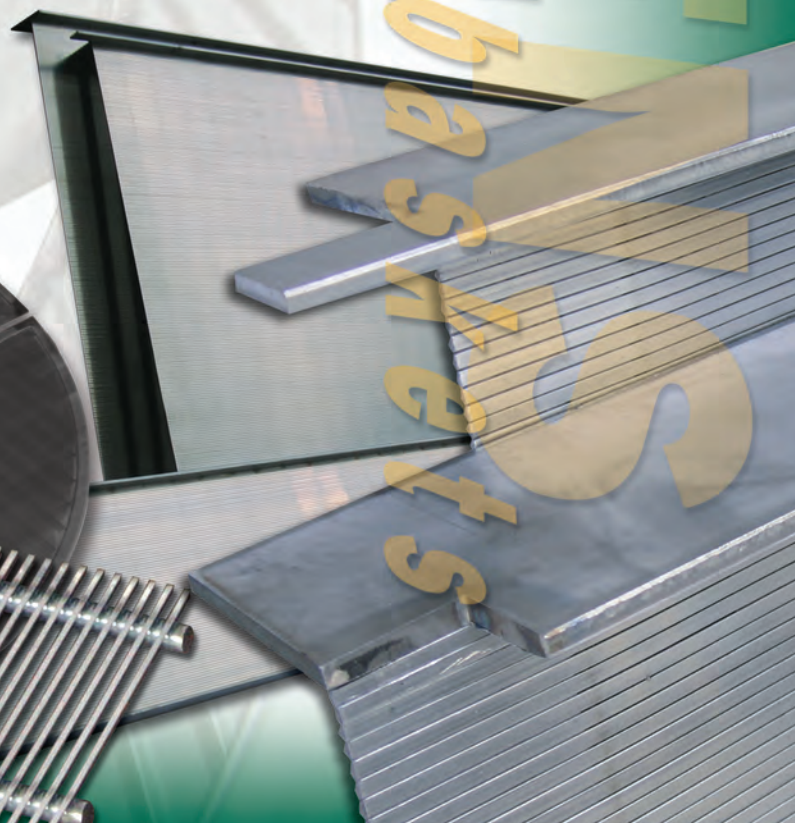
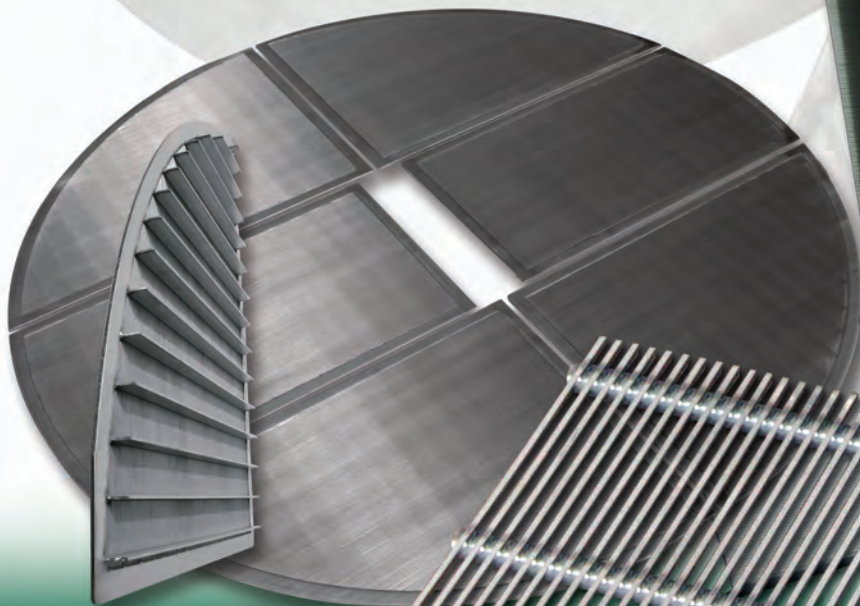
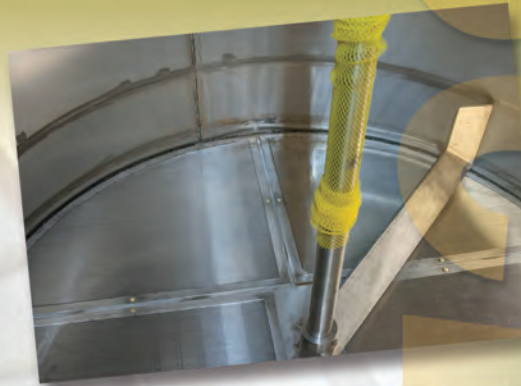
Our screen baskets serve as centrifugal liners which require external supports and also self-supporting balanced baskets for the centrifuge manufacturers. These baskets are more complex than the other types of screens requiring extra strength to withstand the stresses of centrifuge dryers. These baskets are typically used in mineral processing for coal, potash, salt, sand, pulp, paper and a variety of chemicals. They are also used for refuse removal from oil and gas drillers.

Engineered for Your Applications

Flat Panel Screens

Flat, framed and unframed panels can be manufactured with a variety of rectangular or round support rods. The wire width and relief angle is determined by weight per square foot and efficiency requirements. This screen decking magnifies vibration with drum-tight tension and withstands the violent vibrating action. These screens are also used in fluid bed dryers, coolers and much more.

Used in many craft beer breweries, our stainless steel wedge wire screens provide a false bottom in a lauter tun. The lauter tun screen is necessary for a proper separation process. All BDi lauter tun/mash tun screens are custom built to your specifications. These wedge wire screens can be built as one piece/screen or in sections to fit through any size manway and are designed to sit on a ledge within the tank/kettle.



SCREEN OPENING COMPARISON CHART

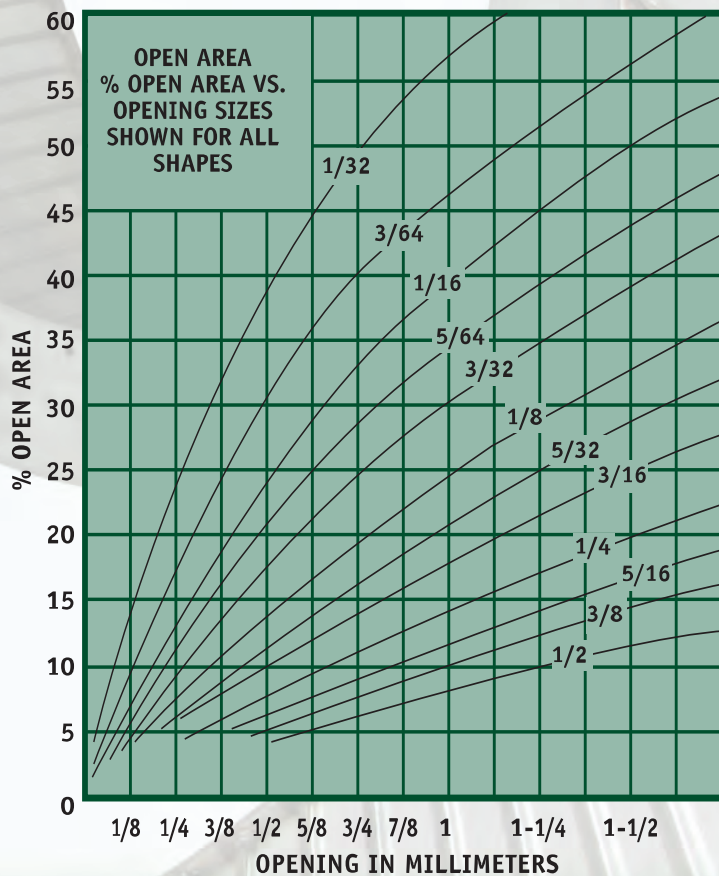
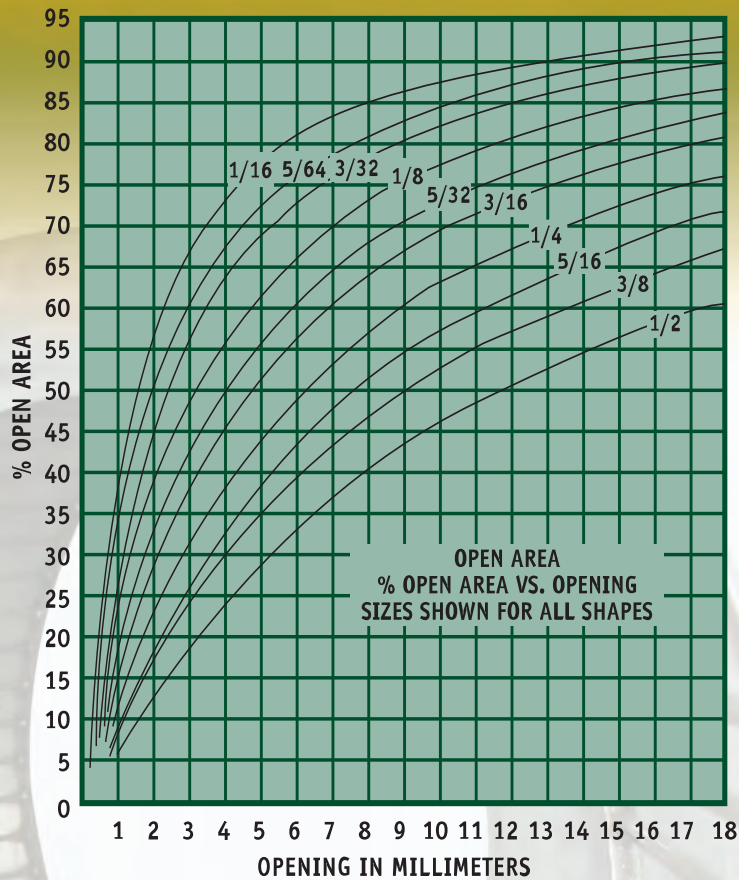
		Tyler Std. Mesh		Round Hole	Square Hole
M.M.	Inches	Mesh	Inches	Inches	Inches
	.001	400	.0015		
	.002	250	.0024		
	.003	200	.0029		
	.004	150	.0041		
1/8	.005	100	.0058		
	.006	80	.0069		
	.007	65	.0082		
1/5	.008	60	.0097		
1/4	.010	48	.0116		
1/3	.013	42	.0138		
2/5	.016	35	.0164		
	.018	32	.0195		
1/2	.020	28	.0232	1/32	
3/5	.024	24	.0276		
3/4	.030	20	.0328	3/64	
1	.040	16	.0390		
1-1/4	.050	14	.0460	1/16	
1-3/8	.055	12	.0550		
1-1/2	.060	10	.0650	5/64	
1-5/8	.065	9	.0780	3/32	
1-3/4	.070	8	.0930	7/64	
2	.080	7	.1100	1/8	
2-1/4	.090			9/64	3/32
2-1/2	.100	6	.1310	5/32	
2-3/4	.110			11/64	
3	1/8	5	.1560	3/16	5/32
	9/64	4	.1850	7/32	
	3/16			1/4	3/16
	7/32	3	.2630	5/16	1/4
	1/4	2-1/2	.3120	3/8	5/16
	5/16			7/16	
	3/8			1/2	3/8
	7/16			9/16	
	*1/2			5/8	1/2
	9/16			11/16	
	5/8			3/4	5/8
	11/16			13/16	
	3/4			7/8	3/4
	7/8			1	7/8
	1			1-1/4	1
	1-1/4			1-1/2	1-1/4
	1-1/2			1-3/4	1-1/2
	1-3/4			2	1-3/4

This table is intended as a general guide only. Due allowance should be made for various factors contributing to actual results.

DECIMAL AND MILLIMETER EQUIVALENTS OF INCH FRACTIONS

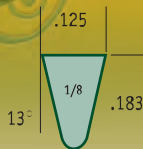
Fractions		Decimals	Millimeters
1/16	1/64	0.0156	0.397
	1/32	0.0312	0.794
	3/64	0.0468	1.191
	5/64	0.0625	1.588
	7/64	0.0781	1.984
3/32		0.0937	2.381
		0.1093	2.778
1/8		0.1250	3.175
3/16	9/64	0.1406	3.572
	5/32	0.1562	3.969
	11/64	0.1718	4.366
	13/64	0.1875	4.763
	7/32	0.2031	5.159
1/4		0.2187	5.556
	15/64	0.2343	5.953
5/16		0.2500	6.350
3/8	17/64	0.2656	6.747
	9/32	0.2812	7.144
	19/64	0.2968	7.541
	21/64	0.3125	7.938
	11/32	0.3281	8.334
7/16		0.3437	8.731
	23/64	0.3593	9.128
1/2		0.3750	9.525
9/16	25/64	0.3906	9.922
	13/32	0.4062	10.319
	27/64	0.4218	10.716
	29/64	0.4375	11.113
	15/32	0.4531	11.509
5/8		0.4687	11.906
	31/64	0.4843	12.303
3/4		0.5000	12.700
11/16	33/64	0.5156	13.097
	17/32	0.5312	13.494
	35/64	0.5468	13.891
	37/64	0.5625	14.288
	19/32	0.5781	14.684
7/8		0.5937	15.081
	39/64	0.6093	15.478
1		0.6250	15.875
13/16	41/64	0.6406	16.272
	21/32	0.6562	16.669
	43/64	0.6718	17.066
	45/64	0.6875	17.463
	23/32	0.7031	17.859
3/4		0.7187	18.256
	47/64	0.7343	18.653
7/8		0.7500	19.050
15/16	49/64	0.7656	19.447
	25/32	0.7812	19.844
	51/64	0.7968	20.241
	53/64	0.8125	20.638
	27/32	0.8281	21.034
1		0.8437	21.431
	55/64	0.8593	21.828
1		0.8750	22.225
1	57/64	0.8906	22.622
	29/32	0.9062	23.019
	59/64	0.9218	23.416
	61/64	0.9375	23.813
	31/32	0.9531	24.209
1		0.9687	24.606
	63/64	0.9843	25.003
1		1.0000	25.400

Comparison & Specifications

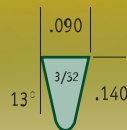


Application Guide & Profiles

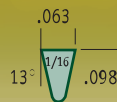
B-Series 13°-Relief



B-118



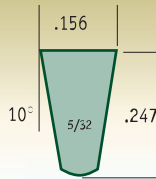
B-93



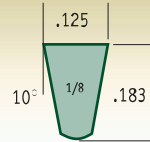
B-63

Wire Profiles

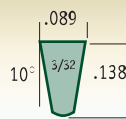
D-Series 10°-Relief (Except D-69, 7°)



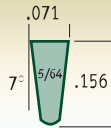
D-156



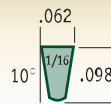
D-118



D-93

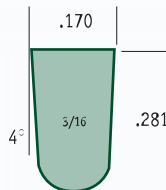


D-69

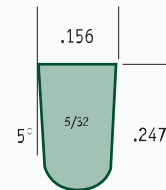


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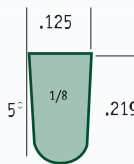
I-Series 5°-Relief (Except I-170, 4°)



I-170

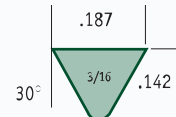


I-156

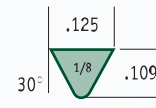


I-125

T-Series 30°-Relief



T-1875



T-125

APPLICATION GUIDE				
	Rod Shape & Sizes In Inches	Largest Practical Material Size in Inches Assuming Uniform Size Consist Down to Zero		
		Approximate Weight of Material Screened		
		50# / cu ft	100# / cu ft	150# / cu ft
B Series	1/16	3/4	3/8	6 mesh
	3/32	1-1/2	3/4	3/8
	1/8	3	1-1/2	1/2
D Series	1/16	3/4	3/8	6 mesh
	5/64	1-1/2	3/4	3/8
	3/32	1-1/2	3/4	3/8
	1/8	3	1-1/2	1/2
	5/32	4	2	3/4
I Series	3/64	3/4	3/8	6 mesh
	5/64	1-1/2	3/4	1/4
	3/32	3	1-1/2	1/2
	1/8	5	2-1/2	1
	5/32	6	3	1-1/2
	3/16	8	4	2-1/2
	1/4	10	5	3
T Series	3/8	12	6	3-1/2
	3/32	1	1/2	6 mesh
	1/8	2	3/4	3/16
	1/16	1/2	1/4	18 mesh
	5/64	1	3/8	6 mesh
R Series	3/32	1-1/2	5/8	3/16
	1/8	2-1/2	1	1/4
	5/32	3-1/2	1-1/2	5/8
	3/16	5	2	1
	1/4	6-1/2	3	1-1/2
	5/16	8	4	2
	3/8	9	4-1/2	2-1/4
	7/16	10	5	2-1/2
	1/2	1/2	6	3