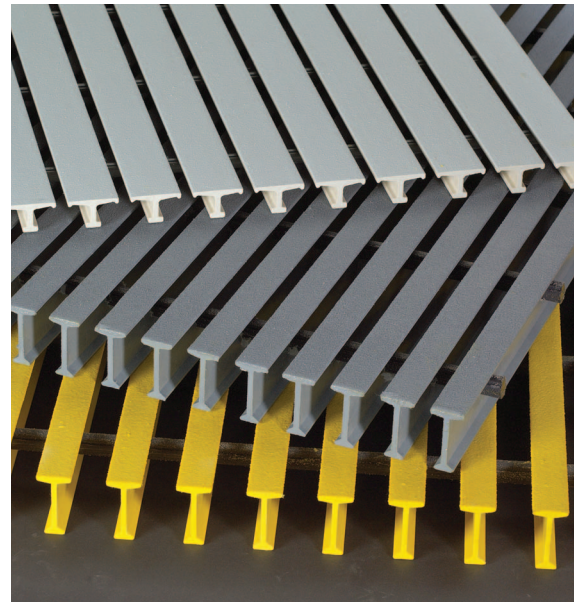


STRONGWELL®

FIBERGLASS GRATING

DURADEK® and DURAGRID® PULTRUDED GRATING



High Strength Pultruded Fiberglass Grating



Top: *DURADEK® and DURAGRID® fiberglass grating provide safe, corrosion resistant walkways and work platforms in a broad range of markets and industries.*

Left: *Manufactured with unique cross bar construction, DURADEK® and DURAGRID® fiberglass grating can be cut to any size like a solid sheet.*

What is DURADEK® and DURAGRID®?

DURADEK® and **DURAGRID®** are high strength pultruded bar type gratings that can be designed and used like traditional metal grates but have the inherent benefits of fiberglass. These problem solving products are ideal replacements for steel or aluminum gratings in corrosive environments or anywhere frequent grating and walkway replacement costs are unacceptable.

DURADEK® is a standard product stocked by distributors nationwide. It is available with individual bearing bars in either 1" or 1-1/2" I-shapes or a 2" T-shape. **DURADEK®** is a flame retardant product utilizing a polyester or vinyl ester resin. The bearing bars are assembled into 12 panel sizes: 3-, 4-, and 5- foot widths in each of 8-, 10-, 12- and 20-foot lengths. Standard panels are available with cross-rod spacings of 6" or 12" on center.

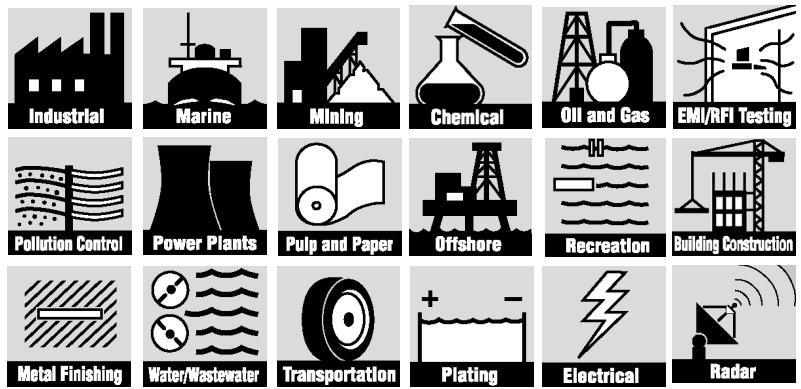
DURAGRID® custom grid or grating systems are designed to accommodate specific applications that cannot effectively be met by a standard fiberglass grating. **DURAGRID®** offers the customer options such as selection of open space, bar shape, cross-rod placement, custom fabrication, custom resin or color.

Why Use DURADEK® or DURAGRID® Grating?

DURADEK® and **DURAGRID®** are lightweight, which saves on freight and makes installation easier. The unique cross-bar construction of **DURADEK®** and **DURAGRID®** allows the grating panels to be easily cut and modified to fit almost any plant requirement. A full listing of features are shown below.

Features

- Corrosion Resistant
- Structurally Strong
- High Impact and Fatigue Strength
- Lightweight
- Fire Retardant
- Easy to Fabricate and Install
- Low Maintenance
- Low Conductivity
- Resistant to Chipping and Cracking
- Aesthetically Pleasing Appearance
- Skid Resistant
- Rigid
- Low Thermal Conductivity
- Non-Sparking



Materials of Construction

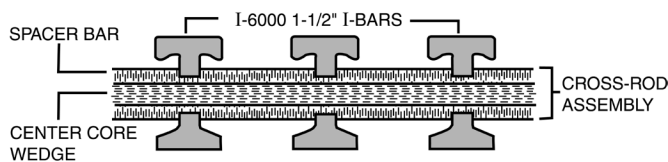
DURADEK® and DURAGRID® fiberglass gratings are a composite of fiberglass reinforcements (fibers and mat) and a thermosetting resin system, produced by the pultrusion process. The pultrusion manufacturing process produces many of the outstanding characteristics of the product.



The bearing bars use both longitudinal (glass roving) and multidirectional (glass mat) reinforcements as well as a synthetic surfacing veil to provide unequalled strength and corrosion resistance. The densely packed core of continuous glass rovings gives the bar strength and stiffness in the longitudinal direction while the continuous glass mat provides strength in the transverse direction and prevents chipping, cracking and lineal fracturing. The synthetic surfacing veil provides a 100% pure resin surface for added corrosion resistance and UV protection.

Three-Piece Cross-Rod Assembly

The 3-piece cross-rod assembly used in DURADEK® and DURAGRID® grating forms a strong, unified panel that can be cut and fabricated like a solid sheet.



This unique system consists of two continuous, pultruded spacer bars and a center core wedge. The spacers are notched at each bearing bar so that the bars are both mechanically locked and chemically bonded to the web of each bearing bar. This separates and affixes bearing bars firmly in position and distributes concentrated loads to adjacent bars. The resulting panel can be easily fabricated with standard carpenters' tools with abrasive cutting edges. Ask for the detailed *Grating Field Fabrication Guide* for further details.

Bar Profiles and Grating Series

A wide variety of bearing bar shapes along with various bearing bar and cross-rod spacings are available depending on the design requirements. Refer to the load/deflection tables in this catalog for selection.

The traditional "I" bar shape provides maximum flexibility in design. It is available in 1", 1-1/4", and 1-1/2" depths.

The "T" bar shape provides a more solid walking surface and prevents catching high heels and other objects between the bars. It is available in 1", 1-1/2" and 2" depths. The Economy series offers a lighter weight bearing bar.

Strongwell's DURAGRID® Heavy Duty (HD) solid bar grating has been designed to take heavy wheel traffic such as forklifts, tow motors and truck traffic. Because of the variety of wheel types and loading, please contact Strongwell's engineering department to determine the series of heavy duty grating to use. It is available in 1", 1-1/4", 1-1/2", 1-3/4", 2", 2-1/4" and 2-1/2" depths.

Strongwell also offers a 1" "R" bar grating, a rectangular bar, in several different series. Visit our website to view the "R" bar information and load tables.

Panel Sizes and Shape

Panels can be made to exact sizes to eliminate waste and fabrication costs in the field. The maximum panel weight is 500 lbs. and the maximum panel size is 60" x 240".

UV Coatings

Bearing bars can be UV coated for added protection and color stability for outdoor applications.

Color

The two standard colors are gray and yellow. Other colors can be quoted upon request. A small inventory is also maintained of 1" and 1-1/2" "I" and "T" bars in white fire retardant polyester resin.

Resin Selection

The standard polyester resin used in DURADEK® is fire retardant and meets the requirements for a Class 1 flame rating of 25 or less per ASTM E-84 and meets the self-extinguishing requirements of ASTM D-635. The resin also contains a UV inhibitor.

DURAGRID® offers a wide selection of resin options including polyester, vinyl ester, phenolic, modar, etc. Other options feature UV inhibitors, various colors and specialized additives.

Surface Texture

Grids can be ordered with or without an anti-skid grit surface. A variety of grit material and textures can be ordered.

Applications

DURADEK® and DURAGRID® grating systems are designed to accommodate a wide variety of applications, such as:

- General Industry
- Marine/Offshore
- Mining/Processing
- Plating Operations
- Transportation
- Chemical Plants
- Electrical
- Power Plants
- Consumer/Recreation
- Cellular Communications
- Food and Beverage Operations
- Water/Wastewater Treatment
- Agricultural
- Pulp and Paper Plants
- Railroad - AAR Approval
- Fire Equipment



DURAGRID® Phenolic grating is used for fire integrity, weight savings and low maintenance and is U.S. Coast Guard approved. Compared to standard steel grating, DURAGRID® Phenolic I-6000 1-1/2" can carry 1.75 times the load of equivalent steel grating. Unlike metal gratings, DURAGRID® Phenolic has memory—returning to its original shape if design loads are exceeded.



In 1979, DURADEK® grating was installed on Shell's offshore platform *Ellen* (now owned by Beta Offshore). The 30-plus years of exposure on *Ellen* has had little to no effect on the nearly 10,000 square feet of grating. Even accidental sandblasting and paint overspray has not degraded the anti-skid surface.

When asked in 2010 about the lifespan of the grating on the platform, Facility Superintendent Yohn Rosqui stated, "The grating looks to be in great shape. The surface shows very little wear and tear."



Strongwell's DURAGRID® T-1700 pultruded grating was used to replace wood planks on a large walkway at Dinner Key Marina in Miami, Florida. The grating allows for easy accessibility to utilities below the walkway and will not rot like the previous wooden walkway.



Copper processing facilities such as the Ammonia Leach/Solvent Extraction/Electrowinning plant for Minera Escondida Limitada in Chile found DURADEK® I-6000 1-1/2" to be the perfect solution.

Applications



Chicago Transit maintenance walkways alongside elevated train tracks constitute one of the largest fiberglass grating installations in history. This project used DURAGRID® T-5000 2" with a custom polyester resin.



Low maintenance fiberglass grating provides trouble free operations for the covers and walkways in the Lakewood, Colorado Wastewater Treatment Plant Headworks. DURADEK® I-6000 1-1/2" was used.



Mill Ruins Park in downtown Minneapolis, Minnesota utilized DURAGRID® T-1800 1" for new pedestrian walkways in the beautiful historical district.



Strongwell DURADEK® I-6000 grating was installed at this School of Business and Information Systems in Hong Kong as air-conditioning platforms when placed horizontally and as louver when placed vertically (as shown here).



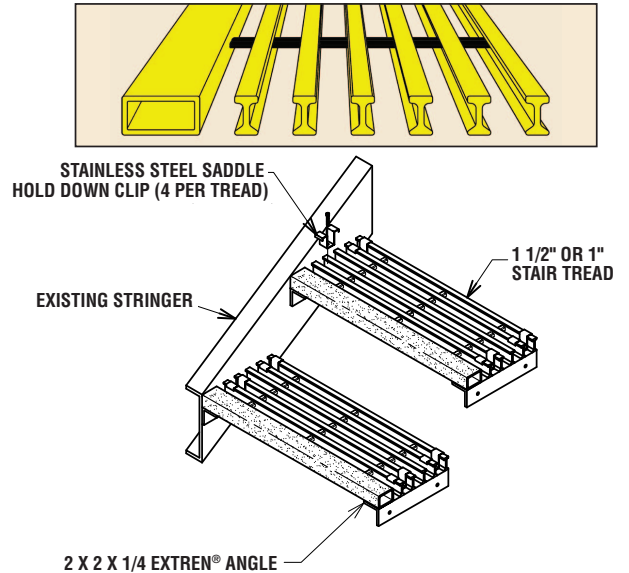
The Muirfield Village Golf Club, designed by Jack Nicklaus, offers an outside patio deck for players to relax and have a snack between nines. After years of constant moisture and the steady pounding of golf shoes, the wood deck had become a safety hazard and required replacement. Strongwell manufactured DURAGRID® T-1800 using a custom pigmented resin to replace the wooden deck to offer both the aesthetic and structural benefits the club was looking for.

Accessories

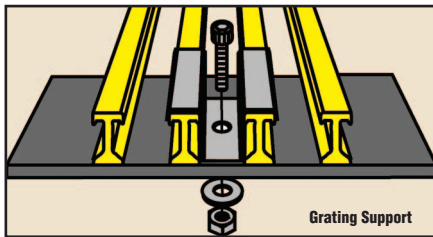
Nosings for Stair Treads and Landings

Stair treads and landings are produced by attaching a 2" deep nosing to the leading edge. This gives added strength and rigidity to the area that takes the most impact and abuse. In addition, the nosing provides more surface area for skid resistance, wear and better visibility. Gray stair treads with yellow nosing are available at additional cost.

TREAD WIDTH & COLOR	STAIR TREAD SERIES	MAXIMUM SPAN FOR 300 LBS. AT MIDSPAN	
		1/8" OR LESS DEFLECTION	1/4" OR LESS DEFLECTION
11" Gray or Yellow	I-6000 1"	29"	37"
11" Gray or Yellow	I-6000 1-1/2"	40"	52"
12" Gray or Yellow	T-5000 2"	47"	59"

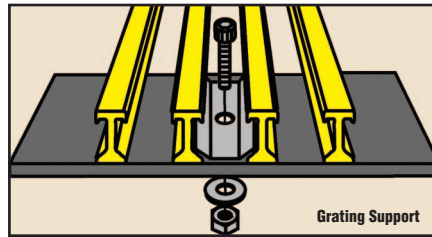


Panel Hold Downs



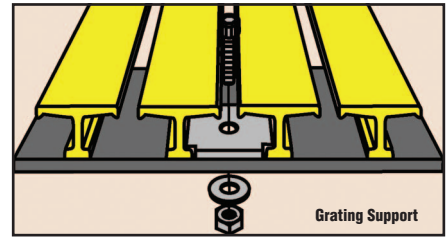
Weldable 316L stainless steel saddle clips are available for all grating series except T-1800 and T-3500.

**Bolts are priced separately from the saddle clips.*



Weldable 316L stainless steel insert clips are available for all grating series except T-1800 and T-3500.

**Bolts are priced separately from the hold-down.*

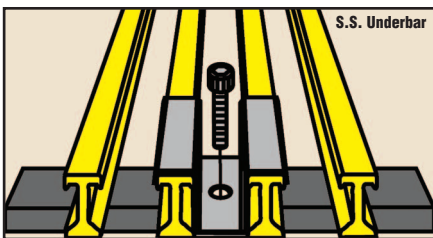


Weldable 316L stainless steel insert clips are available for series T-1800 and T-3500 only.

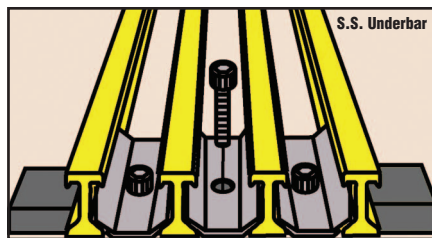
**Bolts are priced separately from the hold-down. (All bolts are 1/4-20 x 1-1/4", cap head, 316L stainless steel.)*

Panel Connectors

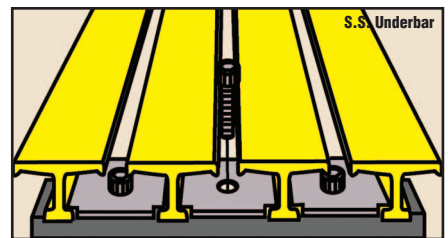
Panel Connectors are generally only used at midspan to assist in transferring load from section to section.



316L stainless steel saddle clips are available as panel connectors for "I" and "HD" bar grating and T-bar grating except T-1800 and T-3500.



Insert clip hold-downs are available for I-bar grating and T-bar grating except for T-1800 and T-3500.

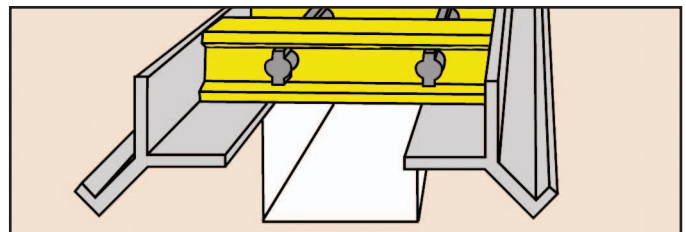


Insert clip hold-downs are available for T-1800 and T-3500 grating.

(All bolts are 1/4-20 x 1-1/4", cap head, 316L stainless steel.)

Curb Angle

Fiberglass Curb Angle provides a strong, firm base for bearing bars and is pultruded from the same material and in the same manner as other DURADEK® and DURAGRID® products. Corrosion resistant Fiberglass Curb Angles are available in four sizes in gray fire retardant vinyl ester.



Using The Load/Deflection Tables

Typical Bearing Bar Spacings

Strongwell manufactures virtually any non-standard and non-stocked custom grid and grating. However, the following load tables are for the most popular bearing bar configurations. The physical properties are shown for the section.

To determine loading or physical properties for other bar spacings, use the multiplier shown on the tables.

Series Designation

The series designation indicates the bar size and shape and the percent of open area. For example: T-1800 1" means 1" T-bar spaced to give an 18% open area.

Cross Rod Spacings

Cross rod spacings must be 2", 4", 6", 8", 10", etc. Our standard spacings are 6" and 12" on center.

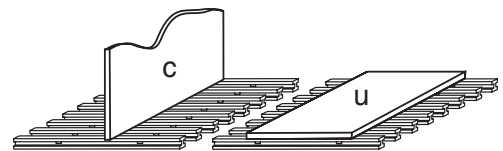
Load Table Values

All tables show typical values.

Load Data

Deflection and safe load data were calculated by the Strongwell Test Lab. All tables show typical values.

- c** is Concentrated Load LBS/FT of width
- Δc** is Deflection under Concentrated Load
- u** is Uniform Load LBS/FT²
- Δu** is Deflection under Uniform Load



The modulus of elasticity will vary with span length due to the non-homogeneous make-up of composite material.

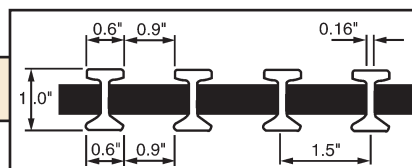
DURADEK® High Strength Fiberglass Grating

The following load tables are for standard DURADEK® fiberglass grating panels stocked by distributors: DURADEK® I-6000 1", I-6000 1-1/2", and T-5000 2". Standard panels come with cross-rod spacings of 6" or optional 12" on center.

DURADEK® I-6000 1" Bearing Bars Spaced 1-1/2" On Center

A = 2.496 IN²/FT OF WIDTH S = 0.656 IN³/FT OF WIDTH I = 0.328 IN⁴/FT OF WIDTH
60% OPEN AREA APPROX. WT. = 2.4 LBS/SQ FT

SPAN INCHES		LOAD													SAFE LOAD 2:1 SAFETY FACTOR	DEFLECTION	E x 10 ⁶ PSI	
		50	100	150	200	250	300	400	500	750	1000	2000	3000	4000				5000
12	Δu	0.001	0.002	0.003	0.004	0.005	0.005	0.007	0.009	0.014	0.018	0.036	0.054	0.073	0.091	10401	0.189	3.78
	Δc	0.001	0.003	0.004	0.006	0.007	0.009	0.012	0.015	0.022	0.029	0.058	0.087	0.116	0.145			
18	Δu	0.004	0.008	0.013	0.017	0.021	0.025	0.033	0.042	0.063	0.084	0.167	0.251	0.335	0.418	4954	0.415	4.15
	Δc	0.004	0.009	0.013	0.018	0.022	0.027	0.036	0.045	0.067	0.089	0.179	0.268	0.357	0.446			
24	Δu	0.012	0.025	0.037	0.050	0.062	0.075	0.100	0.124	0.187	0.249	0.498				2900	0.722	4.41
	Δc	0.010	0.020	0.030	0.040	0.050	0.060	0.080	0.100	0.149	0.199	0.398	0.597					
30	Δu	0.029	0.058	0.087	0.116	0.145	0.174	0.231	0.289	0.434	0.579					1856	1.074	4.63
	Δc	0.019	0.037	0.056	0.074	0.093	0.111	0.148	0.185	0.278	0.370				2320			
36	Δu	0.058	0.115	0.173	0.230	0.288	0.345	0.460	0.575						1289	1.483	4.83	
	Δc	0.031	0.061	0.092	0.123	0.153	0.184	0.245	0.307	0.460	0.614							1933
42	Δu	0.105	0.211	0.316	0.422	0.527	0.633								943	1.989	4.88	
	Δc	0.048	0.096	0.145	0.193	0.241	0.289	0.386	0.482									1649
48	Δu	0.176	0.353	0.529	0.705										719	2.534	4.98	
	Δc	0.071	0.141	0.212	0.282	0.353	0.423	0.564										1437
54	Δu	0.281	0.563												566	3.184	5.00	
	Δc	0.100	0.200	0.300	0.400	0.500	0.600											1274



NOTE: When a 100 pounds per square foot uniform load is placed upon a 43" simple span, it will produce a deflection of 1/4" at midspan.

DURAGRID® I-4000 1" I Bearing Bars Spaced 1" On Center

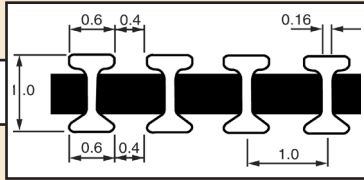
OTHER COMMON SERIES AND SPACING (X):

SERIES	(X)	(M)*
I-3000	0.850"	1.17
I-5000	1.200"	0.84
I-7000	2.000"	0.50
I-8000	3.000"	0.33

OR MULTIPLES OF ABOVE

1" I BEARING BARS: VALUES PER FT OF WIDTH
 A = 3.744 IN²/FT OF WIDTH S = 0.984 IN³/FT OF WIDTH I = 0.492 IN⁴/FT OF WIDTH
 WEIGHT/FOOT = .253 LBS/FT OF BAR WEIGHT/FOOT = .186 LBS/FT OF CROSS ROD
 APPROX. WEIGHT = 3.4 LBS/SQ. FT.

SPAN INCHES		LOAD														SAFE LOAD 2:1 SAFETY FACTOR	DEFLECTION	E x 10 ⁶ PSI		
		50	100	150	200	250	300	400	500	750	1000	2000	2500	3000	4000				5000	6000
12	Δu	0.001	0.001	0.002	0.002	0.003	0.004	0.005	0.006	0.009	0.012	0.024	0.030	0.036	0.048	0.060	0.073	15600 7800	0.189 0.151	3.78
	Δc	0.001	0.002	0.003	0.004	0.005	0.006	0.008	0.010	0.015	0.019	0.039	0.048	0.058	0.077	0.097	0.116			
18	Δu	0.003	0.006	0.008	0.011	0.014	0.017	0.022	0.028	0.042	0.056	0.112	0.139	0.167	0.223	0.279	0.335	7431 5573	0.415 0.332	4.15
	Δc	0.003	0.006	0.009	0.012	0.015	0.018	0.024	0.030	0.045	0.060	0.119	0.149	0.179	0.238	0.298	0.357			
24	Δu	0.008	0.017	0.025	0.033	0.041	0.050	0.066	0.083	0.124	0.166	0.332	0.415	0.498	0.664			4350 4350	0.722 0.577	4.41
	Δc	0.007	0.013	0.020	0.027	0.033	0.040	0.053	0.066	0.100	0.133	0.265	0.332	0.398	0.531	0.664				
30	Δu	0.019	0.039	0.058	0.077	0.096	0.116	0.154	0.193	0.289	0.386							2784 3480	1.074 0.859	4.63
	Δc	0.012	0.025	0.037	0.049	0.062	0.074	0.099	0.123	0.185	0.247	0.494	0.617							
36	Δu	0.038	0.077	0.115	0.153	0.192	0.230	0.307	0.383	0.575								1933 2900	1.482 1.186	4.83
	Δc	0.020	0.041	0.061	0.082	0.102	0.123	0.164	0.205	0.307	0.409									
42	Δu	0.070	0.141	0.211	0.281	0.352	0.422	0.563	0.703									1414 2474	1.988 1.590	4.88
	Δc	0.032	0.064	0.096	0.129	0.161	0.193	0.257	0.321	0.482	0.643									
48	Δu	0.118	0.235	0.353	0.470	0.588	0.705											1078 2155	2.534 2.026	4.98
	Δc	0.047	0.094	0.141	0.188	0.235	0.282	0.376	0.470											



*(M) - Multiplier for load table loads

DURAGRID® I-4000 1-1/4" I Bearing Bars Spaced 1" On Center

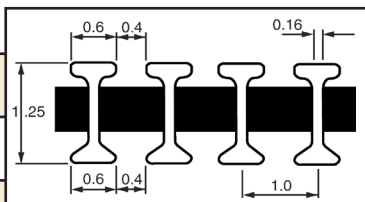
OTHER COMMON SERIES AND SPACING (X):

SERIES	(X)	(M)*
I-3000	0.850"	1.17
I-5000	1.200"	0.84
I-6000	1.500"	0.67
I-7000	2.000"	0.50

OR MULTIPLES OF ABOVE

1-1/4" I BEARING BARS: VALUES PER FT OF WIDTH
 A = 4.224 IN²/FT OF WIDTH S = 1.306 IN³/FT OF WIDTH I = 0.816 IN⁴/FT OF WIDTH
 WEIGHT/FOOT = .290 LBS/FT OF BAR WEIGHT/FOOT = .186 LBS/FT OF CROSS ROD
 APPROX. WEIGHT = 3.9 LBS/SQ. FT.

SPAN INCHES		LOAD														SAFE LOAD 2:1 SAFETY FACTOR	DEFLECTION	E x 10 ⁶ PSI		
		50	100	150	200	250	300	400	500	750	1000	2000	3000	4000	5000				6000	7000
12	Δu	0.000	0.001	0.001	0.002	0.002	0.002	0.003	0.004	0.006	0.008	0.016	0.023	0.031	0.039	0.047	0.054	21000 10500	0.163 0.130	3.55
	Δc	0.001	0.001	0.002	0.002	0.003	0.004	0.005	0.006	0.009	0.012	0.025	0.037	0.050	0.062	0.075	0.087			
18	Δu	0.002	0.004	0.005	0.007	0.009	0.011	0.015	0.018	0.027	0.037	0.073	0.110	0.146	0.183	0.219	0.256	9582 7187	0.350 0.280	3.82
	Δc	0.002	0.004	0.006	0.008	0.010	0.012	0.016	0.019	0.029	0.039	0.078	0.117	0.156	0.195	0.234	0.273			
24	Δu	0.005	0.011	0.016	0.022	0.027	0.033	0.044	0.054	0.082	0.109	0.218	0.327	0.436	0.545	0.654		5475 5475	0.596 0.477	4.05
	Δc	0.004	0.009	0.013	0.017	0.022	0.026	0.035	0.044	0.065	0.087	0.174	0.261	0.349	0.436	0.523	0.610			
30	Δu	0.013	0.026	0.038	0.051	0.064	0.077	0.102	0.128	0.192	0.256	0.512						3472 4340	0.888 0.711	4.21
	Δc	0.008	0.016	0.025	0.033	0.041	0.049	0.065	0.082	0.123	0.164	0.327	0.491	0.655						
36	Δu	0.026	0.051	0.077	0.103	0.128	0.154	0.205	0.257	0.385	0.513							2388 3583	1.226 0.981	4.35
	Δc	0.014	0.027	0.041	0.055	0.068	0.082	0.110	0.137	0.205	0.274	0.548								
42	Δu	0.046	0.093	0.139	0.186	0.232	0.279	0.372	0.465	0.697								1727 3023	1.606 1.285	4.45
	Δc	0.021	0.043	0.064	0.085	0.106	0.128	0.170	0.213	0.319	0.425									
48	Δu	0.078	0.155	0.233	0.310	0.388	0.465	0.621										1302 2603	2.020 1.615	4.55
	Δc	0.031	0.062	0.093	0.124	0.155	0.186	0.248	0.310	0.465	0.621									
54	Δu	0.123	0.245	0.368	0.491	0.613	0.736											1007 2267	2.470 1.977	4.61
	Δc	0.044	0.087	0.131	0.174	0.218	0.262	0.349	0.436	0.654										
60	Δu	0.185	0.370	0.555	0.740													796 1990	2.944 2.355	4.66
	Δc	0.059	0.118	0.178	0.237	0.296	0.355	0.473	0.592											



*(M) - Multiplier for load table loads

DURAGRID® I-4000 1-1/2" I Bearing Bars Spaced 1" On Center

OTHER COMMON SERIES AND SPACING (X):

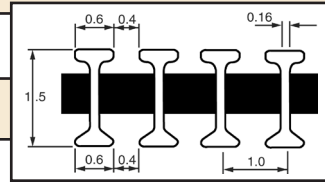
SERIES	(X)	(M)*
I-3000	0.850"	1.17
I-5000	1.200"	0.84
I-7000	2.000"	0.50
I-8000	3.000"	0.33

OR MULTIPLES OF ABOVE

1-1/2" I BEARING BARS: VALUES PER FT OF WIDTH

A = 4.704 IN²/FT OF WIDTH S = 1.860 IN³/FT OF WIDTH I = 1.392 IN⁴/FT OF WIDTH
 WEIGHT/FOOT = .319 LBS/FT OF BAR WEIGHT/FOOT = .186 LBS/FT OF CROSS ROD
 APPROX. WEIGHT = 4.2 LBS/SQ. FT.

SPAN INCHES		LOAD																	SAFE LOAD 2:1 SAFETY FACTOR	DEFLECTION	E x 10 ⁶ PSI	
		50	100	150	200	250	300	400	500	750	1000	2000	3000	4000	5000	6000	7000	8000				9000
12	Δu	0.000	0.000	0.001	0.001	0.001	0.001	0.002	0.002	0.003	0.004	0.009	0.013	0.017	0.021	0.026	0.030	0.034	0.038	26400	0.113	3.79
	Δc	0.000	0.001	0.001	0.001	0.002	0.002	0.003	0.003	0.005	0.007	0.014	0.020	0.027	0.034	0.041	0.048	0.055	0.061	13200	0.090	
18	Δu	0.001	0.002	0.003	0.004	0.005	0.006	0.008	0.010	0.015	0.020	0.040	0.061	0.081	0.101	0.121	0.141	0.162	0.182	11734	0.237	4.05
	Δc	0.001	0.002	0.003	0.004	0.005	0.006	0.009	0.011	0.016	0.022	0.043	0.065	0.086	0.108	0.129	0.151	0.172	0.194	8800	0.190	
24	Δu	0.003	0.006	0.009	0.012	0.015	0.018	0.024	0.030	0.046	0.061	0.122	0.183	0.244	0.305	0.366	0.427	0.488	0.549	6600	0.403	4.24
	Δc	0.002	0.005	0.007	0.010	0.012	0.015	0.020	0.024	0.037	0.049	0.098	0.146	0.195	0.244	0.293	0.342	0.390	0.439	6600	0.322	
30	Δu	0.007	0.014	0.022	0.029	0.036	0.043	0.057	0.072	0.108	0.143	0.287	0.430	0.574	0.717	4160	0.597	4.40				
	Δc	0.005	0.009	0.014	0.018	0.023	0.028	0.037	0.046	0.069	0.092	0.184	0.276	0.367	0.459	0.551	0.643		5200	0.478		
36	Δu	0.015	0.029	0.044	0.058	0.073	0.087	0.116	0.145	0.218	0.291	0.582	2844	0.827	4.50							
	Δc	0.008	0.016	0.023	0.031	0.039	0.047	0.062	0.078	0.116	0.155	0.310	0.466	0.621		4267	0.662					
42	Δu	0.026	0.053	0.079	0.106	0.132	0.159	0.211	0.264	0.396	0.528	2041	1.079	4.59								
	Δc	0.012	0.024	0.036	0.048	0.060	0.072	0.097	0.121	0.181	0.242	0.483	0.725		3571	0.863						
48	Δu	0.044	0.089	0.133	0.178	0.222	0.266	0.355	0.444	0.666	1525	1.354	4.66									
	Δc	0.018	0.036	0.053	0.071	0.089	0.107	0.142	0.178	0.266	0.355	3050		1.083								
54	Δu	0.070	0.141	0.211	0.281	0.352	0.422	0.563	0.704	1165	1.639	4.71										
	Δc	0.025	0.050	0.075	0.100	0.125	0.150	0.200	0.250	0.375	0.500		2622	1.312								
60	Δu	0.107	0.213	0.320	0.426	0.533	0.639	912	1.944	4.74												
	Δc	0.034	0.068	0.102	0.136	0.171	0.205	0.273	0.341		0.512	0.682	2280	1.555								
66	Δu	0.155	0.311	0.466	0.621	727	2.259	4.76														
	Δc	0.045	0.090	0.136	0.181	0.226	0.271		0.362	0.452	0.678	2000	1.808									



*(M) - Multiplier for load table loads

DURAGRID® T-1800 1" T Bearing Bars Spaced 2" On Center

OTHER COMMON SERIES AND SPACING (X):

SERIES	(X)	(M)*
T-0000	1.625"	1.23
T-1000	1.800"	1.11
T-1200	1.850"	1.08
T-2500	2.120"	0.94
T-3500	2.400"	0.83
T-3800	2.620"	0.76

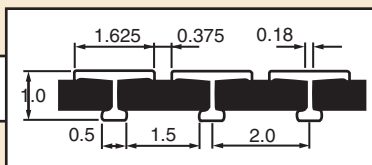
OR MULTIPLES OF ABOVE

1" T BEARING BARS: VALUES PER FT OF WIDTH

A = 2.850 IN²/FT OF WIDTH S_y = 0.903 IN³/FT OF WIDTH
 I = 0.306 IN⁴/FT OF WIDTH S_b = 0.464 IN³/FT OF WIDTH
 WEIGHT/FOOT = .373 LBS/FT OF BAR WEIGHT/FOOT = .186 LBS/FT OF CROSS ROD
 APPROX. WEIGHT = 2.6 LBS/SQ. FT.

Now available 1.5" T bar. Call for details.

SPAN INCHES		LOAD														SAFE LOAD 2:1 SAFETY FACTOR	DEFLECTION	E x 10 ⁶ PSI
		50	100	150	200	250	300	400	500	750	1000	2000	2500	3000	4000			
12	Δu	0.001	0.002	0.003	0.004	0.006	0.007	0.009	0.011	0.017	0.022	0.045	0.056	0.067	0.090	10680	0.240	3.27
	Δc	0.002	0.004	0.005	0.007	0.009	0.011	0.014	0.018	0.027	0.036	0.072	0.090	0.108	0.144	5340	0.192	
18	Δu	0.005	0.010	0.016	0.021	0.026	0.031	0.041	0.052	0.078	0.104	0.207	0.259	0.311	0.415	4746	0.492	3.59
	Δc	0.006	0.011	0.017	0.022	0.028	0.033	0.044	0.055	0.083	0.111	0.221	0.277	0.332	0.442	3560	0.394	
24	Δu	0.015	0.031	0.046	0.062	0.077	0.093	0.124	0.155	0.232	0.310	0.619	2670	0.827	3.80			
	Δc	0.012	0.025	0.037	0.050	0.062	0.074	0.099	0.124	0.186	0.248	0.495	0.619	2670		0.661		
30	Δu	0.036	0.072	0.108	0.144	0.180	0.215	0.287	0.359	0.539	0.718	1693	1.216	4.00				
	Δc	0.023	0.046	0.069	0.092	0.115	0.138	0.184	0.230	0.345	0.460	2116	0.972					
36	Δu	0.072	0.145	0.217	0.289	0.361	0.434	0.578	0.723	1157	1.673	4.12						
	Δc	0.039	0.077	0.116	0.154	0.193	0.231	0.308	0.385	0.578	1736		1.338					
42	Δu	0.129	0.257	0.386	0.514	0.643	833	2.143	4.29									
	Δc	0.059	0.118	0.176	0.235	0.294	0.353	0.470		0.588	1458	1.714						
48	Δu	0.215	0.431	0.646	625	2.692	4.37											
	Δc	0.086	0.172	0.258	0.345	0.431		0.517	0.689	1250	2.154							



*(M) - Multiplier for load table loads

DURAGRID® T-3300 2" T Bearing Bars Spaced 1-1/2" On Center

OTHER COMMON SERIES AND SPACING (X):

SERIES	(X)	(M)*
T-1700	1.200"	1.25
OR MULTIPLES OF ABOVE		

2" T BEARING BARS: VALUES PER FT OF WIDTH

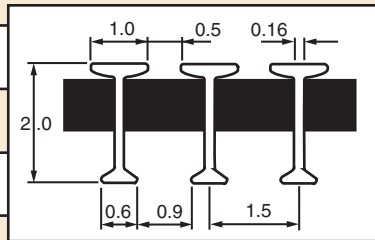
$A = 4.338 \text{ IN}^2/\text{FT OF WIDTH}$ $S_x = 2.541 \text{ IN}^3/\text{FT OF WIDTH}$

$I = 2.234 \text{ IN}^4/\text{FT OF WIDTH}$ $S_y = 1.994 \text{ IN}^3/\text{FT OF WIDTH}$

WEIGHT/FOOT = .446 LBS/FT OF BAR WEIGHT/FOOT = .186 LBS/FT OF CROSS ROD

APPROX. WEIGHT = 3.9 LBS/SQ. FT.

SPAN INCHES	LOAD																	SAFE LOAD 2:1 SAFETY FACTOR	DEFLECTION	$E \times 10^6$ PSI		
	50	100	150	200	250	300	400	500	750	1000	2000	2500	3000	4000	5000	6000	7000				8000	
12	Δu	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.002	0.003	0.005	0.007	0.008	0.011	0.013	0.016	0.019	0.021	15110 7555	0.040 0.032	3.80	
	Δc	0.000	0.000	0.001	0.001	0.001	0.001	0.002	0.003	0.004	0.008	0.011	0.013	0.017	0.021	0.025	0.030	0.034				
18	Δu	0.001	0.001	0.002	0.003	0.003	0.004	0.005	0.007	0.010	0.013	0.026	0.033	0.039	0.052	0.065	0.078	0.091	0.104	10048 7555	0.131 0.105	3.91
	Δc	0.001	0.001	0.002	0.003	0.003	0.004	0.006	0.007	0.010	0.014	0.028	0.035	0.042	0.056	0.070	0.083	0.097	0.111			
24	Δu	0.002	0.004	0.006	0.008	0.010	0.012	0.016	0.020	0.030	0.040	0.080	0.100	0.121	0.161	0.201	0.241	0.281	0.321	7555 7555	0.304 0.243	4.01
	Δc	0.002	0.003	0.005	0.006	0.008	0.010	0.013	0.016	0.024	0.032	0.064	0.080	0.096	0.129	0.161	0.193	0.225	0.257			
30	Δu	0.005	0.010	0.014	0.019	0.024	0.029	0.038	0.048	0.072	0.096	0.192	0.240	0.288	0.384	0.480	0.576	0.672	4835 6045	0.464 0.371	4.10	
	Δc	0.003	0.006	0.009	0.012	0.015	0.018	0.025	0.031	0.046	0.061	0.123	0.154	0.184	0.246	0.307	0.368	0.430				0.491
36	Δu	0.010	0.020	0.029	0.039	0.049	0.059	0.078	0.098	0.146	0.195	0.390	0.488	0.586	3358 5037	0.655 0.524	4.18					
	Δc	0.005	0.010	0.016	0.021	0.026	0.031	0.042	0.052	0.078	0.104	0.208	0.260	0.312				0.416	0.520	0.625		
42	Δu	0.018	0.036	0.053	0.071	0.089	0.107	0.142	0.178	0.267	0.356	2467 4317	0.877 0.702	4.25								
	Δc	0.008	0.016	0.024	0.033	0.041	0.049	0.065	0.081	0.122	0.163				0.325	0.406	0.488	0.650				
48	Δu	0.030	0.059	0.089	0.119	0.149	0.178	0.238	0.297	0.446	0.594	1889 3778	1.122 0.898	4.34								
	Δc	0.012	0.024	0.036	0.048	0.059	0.071	0.095	0.119	0.178	0.238				0.475	0.594						
54	Δu	0.047	0.094	0.140	0.187	0.234	0.281	0.375	0.468	1493 3358	1.398 1.118	4.41										
	Δc	0.017	0.033	0.050	0.067	0.083	0.100	0.133	0.166				0.250	0.333	0.666							
60	Δu	0.070	0.141	0.211	0.282	0.352	0.422	0.563	1209 3022	1.703 1.362	4.47											
	Δc	0.023	0.045	0.068	0.090	0.113	0.135	0.180				0.225	0.338	0.451								
66	Δu	0.102	0.204	0.306	0.408	0.510	0.612	999 2747	2.037 1.629	4.52												
	Δc	0.030	0.059	0.089	0.119	0.148	0.178				0.237	0.297	0.445	0.593								
72	Δu	0.142	0.285	0.427	0.570	839 2519	2.391 1.914	4.58														
	Δc	0.038	0.076	0.114	0.152				0.190	0.228	0.304	0.380	0.570									
78	Δu	0.195	0.390	0.585	715 2325	2.788 2.232	4.61															
	Δc	0.048	0.096	0.144				0.192	0.240	0.288	0.384	0.480										
84	Δu	0.260	0.520	617 2159	3.209 2.566	4.65																
	Δc	0.059	0.119				0.178	0.238	0.297	0.357	0.475	0.594										



*(M) - Multiplier for load table loads

DURAGRID® ECONOMY 5000 1" T Bearing Bars Spaced 2" On Center

OTHER COMMON SERIES AND SPACING (X):

SERIES	(X)	(M)*
ECONOMY 3300	1.500"	1.33
OR MULTIPLES OF ABOVE		

1" T BEARING BAR: VALUES PER FT OF WIDTH

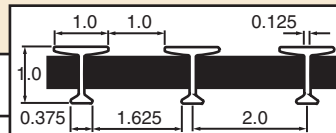
$A = 1.596 \text{ IN}^2/\text{FT OF WIDTH}$ $S_x = 0.530 \text{ IN}^3/\text{FT OF WIDTH}$

$I = 0.197 \text{ IN}^4/\text{FT OF WIDTH}$ $S_y = 0.314 \text{ IN}^3/\text{FT OF WIDTH}$

WEIGHT/FOOT = .207 LBS/FT OF BAR WEIGHT/FOOT = .186 LBS/FT OF CROSS ROD

APPROX. WEIGHT = 1.62 LBS/SQ. FT.

SPAN INCHES	LOAD												SAFE LOAD 2:1 SAFETY FACTOR	DEFLECTION	$E \times 10^6$ PSI
	50	100	150	200	250	300	400	500	750	1000	2000				
12	Δu	0.002	0.004	0.006	0.008	0.010	0.011	0.015	0.019	0.029	0.038	0.076	4766 2383	0.182 0.146	2.99
	Δc	0.003	0.006	0.009	0.012	0.015	0.018	0.024	0.031	0.046	0.061	0.122			
18	Δu	0.009	0.019	0.028	0.037	0.047	0.056	0.075	0.094	0.140	0.187	0.374	2144 1609	0.401 0.321	3.09
	Δc	0.010	0.020	0.030	0.040	0.050	0.060	0.080	0.100	0.150	0.200	0.399			
24	Δu	0.029	0.057	0.086	0.114	0.143	0.171	0.228	0.286	0.428	0.571	1221 1221	0.697 0.558	3.20	
	Δc	0.023	0.046	0.069	0.091	0.114	0.137	0.183	0.228	0.343	0.457				
30	Δu	0.068	0.135	0.203	0.270	0.338	0.406	0.541	0.676	791 989	1.069 0.856	3.30			
	Δc	0.043	0.087	0.130	0.173	0.216	0.260	0.346	0.433				0.649		
36	Δu	0.136	0.272	0.408	0.544	0.680	556 834	1.513 1.210	3.40						
	Δc	0.073	0.145	0.218	0.290	0.363				0.435	0.580	0.726			
42	Δu	0.244	0.488	0.732	413 723	2.017 1.614	3.51								
	Δc	0.112	0.223	0.335				0.446	0.558	0.670					



*(M) - Multiplier for load table loads

DURAGRID® ECONOMY 5000 1-1/2" T Bearing Bars Spaced 2" On Center

OTHER COMMON SERIES AND SPACING (X):

SERIES	(X)	(M)*
ECONOMY 3300	1.500*	1.33
OR MULTIPLES OF ABOVE		

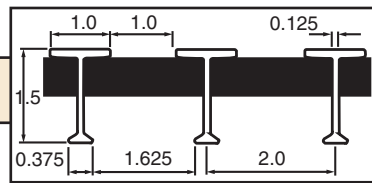
1-1/2" T BEARING BAR: VALUES PER FT OF WIDTH

A = 1.968 IN²/FT OF WIDTH S_T = 0.950 IN³/FT OF WIDTH
 I = 0.557 IN⁴/FT OF WIDTH S_B = 0.609 IN³/FT OF WIDTH

WEIGHT/FOOT = .250 LBS/FT OF BAR WEIGHT/FOOT = .186 LBS./FT OF CROSS ROD
 APPROX. WEIGHT = 1.9 LBS/SQ. FT.

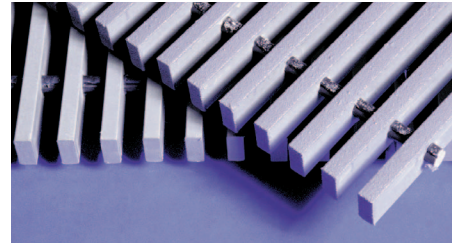
SPAN INCHES		LOAD															SAFE LOAD 2:1 SAFETY FACTOR	DEFLECTION	E x 10 ⁶ PSI
		50	100	150	200	250	300	400	500	750	1000	2000	2500	3000	4000	5000			
12	Δu	0.001	0.001	0.002	0.003	0.003	0.004	0.006	0.007	0.010	0.014	0.028	0.034	0.041	0.055	0.069	10322	0.142	2.93
	Δc	0.001	0.002	0.003	0.004	0.006	0.007	0.009	0.011	0.017	0.022	0.044	0.055	0.066	0.088	0.110			
18	Δu	0.003	0.007	0.010	0.014	0.017	0.020	0.027	0.034	0.051	0.068	0.136	0.170	0.204	0.273	0.341	4643	0.316	3.00
	Δc	0.004	0.007	0.011	0.015	0.018	0.022	0.029	0.036	0.055	0.073	0.145	0.182	0.218	0.291	0.364			
24	Δu	0.011	0.021	0.032	0.042	0.053	0.063	0.084	0.105	0.158	0.211	0.421	0.526	0.632			2643	0.556	3.07
	Δc	0.008	0.017	0.025	0.034	0.042	0.051	0.067	0.084	0.126	0.168	0.337	0.421	0.505	0.674	2643			
30	Δu	0.025	0.050	0.076	0.101	0.126	0.151	0.202	0.252	0.378	0.504						1712	0.863	3.13
	Δc	0.016	0.032	0.048	0.065	0.081	0.097	0.129	0.161	0.242	0.323	0.645	2139	0.690					
36	Δu	0.051	0.102	0.153	0.204	0.256	0.307	0.409	0.511	0.767							1202	1.229	3.20
	Δc	0.027	0.055	0.082	0.109	0.136	0.164	0.218	0.273	0.409	0.545	1804	0.984						
42	Δu	0.093	0.185	0.278	0.371	0.463	0.556	0.742									894	1.657	3.27
	Δc	0.042	0.085	0.127	0.169	0.212	0.254	0.339	0.424	0.636	1564	1.325							
48	Δu	0.155	0.310	0.464	0.619												692	2.143	3.34
	Δc	0.062	0.124	0.186	0.248	0.310	0.372	0.495	0.619	1384	1.714								

*(M) - Multiplier for load table loads



DURAGRID® Heavy Duty Grating

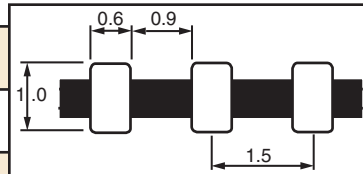
The following load tables are for the solid bar heavy duty grating designed to take heavy wheel traffic such as forklifts, tow motors and truck traffic. Because of the variety of wheel types and loading, it is recommended that you contact Strongwell to determine the series of heavy duty grating needed for your application.



DURAGRID® HD-6000 1" Bearing Bar

A = 4.8 in²/ft. of width I = 0.40 in⁴/ft. of width S = 0.80 in³/ft. of width

SPAN INCHES		LOAD								SAFE LOAD 2:1 SAFETY FACTOR	DEFLECTION	E x 10 ⁶ PSI
		100	200	300	500	1000	2000	3000	4000			
12	Δu	0.001	0.002	0.003	0.006	0.011	0.022	0.033	0.044	4445	0.049	5.08
	Δc	0.002	0.004	0.005	0.009	0.018	0.035	0.053	0.071			
18	Δu	0.005	0.010	0.015	0.025	0.050	0.099	0.149	0.199	4285	0.213	5.73
	Δc	0.005	0.011	0.016	0.027	0.053	0.106	0.159	3857			
24	Δu	0.015	0.031	0.046	0.077	0.154	0.309			2948	0.455	5.83
	Δc	0.012	0.025	0.037	0.062	0.123	0.247	2948	0.364			
30	Δu	0.037	0.074	0.111	0.185	0.369				1543	0.570	5.95
	Δc	0.024	0.047	0.071	0.118	0.236	1928	0.456				
36	Δu	0.076	0.152	0.228	0.380					1071	0.815	5.99
	Δc	0.041	0.081	0.122	0.203	0.406	1607	0.652				
42	Δu	0.140	0.280	0.421						787	1.104	6.02
	Δc	0.064	0.128	0.192	0.320	0.641	1377	0.883				
48	Δu	0.239	0.478							603	1.440	6.03
	Δc	0.096	0.191	0.287	0.478	1205	1.151					
54	Δu	0.380								476	1.809	6.07
	Δc	0.135	0.270	0.405	0.676	1071	1.447					



Series	Bar Width	Open Space	% Open Area	Approx. Wt.	I-in ⁴ /ft. of Width	S-in ³ /ft. of Width
HD 6000	.60	.90	60	4.9	0.40	0.80
HD 5000	.60	.60	50	5.9	0.50	1.00
HD 4000	.60	.40	40	7.0	0.60	1.20

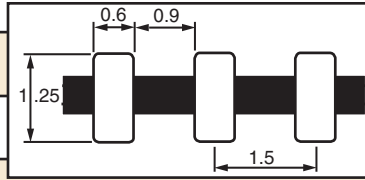
Multipliers for Series Other Than HD-6000

HD 5000 - Multiply Load Table Deflection by 0.80
 HD 4000 - Multiply Load Table Deflection by 0.67

DURAGRID® HD-6000 1-1/4" Bearing Bar

A = 6.0 in²/ft. of width I = 0.781 in⁴/ft. of width S = 1.24 in³/ft. of width

SPAN INCHES	LOAD												SAFE LOAD 2:1 SAFETY FACTOR	DEFLECTION	E x 10 ⁶ PSI	
	100	200	300	500	1000	2000	3000	4000	5000	6000	7000	8000				
12	Δu	0.001	0.001	0.002	0.003	0.006	0.013	0.019	0.025	0.032	0.038	0.044	0.051	13760	0.087	4.56
	Δc	0.001	0.002	0.003	0.005	0.010	0.020	0.030	0.040	0.051	0.061	0.071	0.081			
18	Δu	0.003	0.005	0.008	0.013	0.027	0.053	0.080	0.107	0.134	0.160	0.187	7684	0.205	5.46	
	Δc	0.003	0.006	0.009	0.014	0.028	0.057	0.085	0.114	0.142	0.171	0.199				7200
24	Δu	0.008	0.016	0.024	0.040	0.080	0.161	0.241	0.322	0.402	0.483	0.563	7032	0.566	5.73	
	Δc	0.006	0.013	0.019	0.032	0.064	0.129	0.193	0.257	0.322	0.386	0.450				7032
30	Δu	0.019	0.038	0.057	0.095	0.190	0.381	0.571	0.487	0.609	4504	0.858	5.91			
	Δc	0.012	0.024	0.037	0.061	0.122	0.244	0.366								
36	Δu	0.039	0.078	0.117	0.196	0.392	0.626	3125	1.224	5.96						
	Δc	0.021	0.042	0.063	0.104	0.209					0.418	4680	0.977			
42	Δu	0.072	0.144	0.216	0.360	0.658	2296	1.652	6.01							
	Δc	0.033	0.066	0.099	0.164					0.329	4018	1.321				
48	Δu	0.122	0.243	0.365	0.609	0.487	1758	2.140	6.06							
	Δc	0.049	0.097	0.146	0.243					3516	1.712					
54	Δu	0.195	0.390	0.585	0.347	1389	2.708	6.06								
	Δc	0.069	0.139	0.208					3125	2.166						
60	Δu	0.296	0.591	0.473	1125	3.326	6.09									
	Δc	0.095	0.189					0.284	2812	2.660						



Series	Bar Width	Open Space	% Open Area	Approx Wt.	I-in ⁴ /ft. of Width	S-in ³ /ft. of Width
HD 6000	.60	.90	60	5.9	.781	1.25
HD 5000	.60	.60	50	7.2	.977	1.56
HD 4000	.60	.40	40	8.5	1.172	1.88

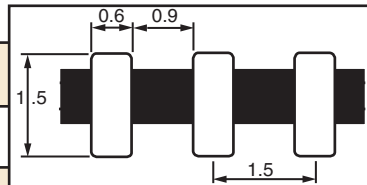
Multipliers for Series Other Than HD-6000

HD 5000 - Multiply Load Table Deflection by 0.80
HD 4000 - Multiply Load Table Deflection by 0.67

DURAGRID® HD-6000 1-1/2" Bearing Bar

A = 7.2 in²/ft. of width I = 1.35 in⁴/ft. of width S = 1.80 in³/ft. of width

SPAN INCHES	LOAD												SAFE LOAD 2:1 SAFETY FACTOR	DEFLECTION	E x 10 ⁶ PSI	
	100	200	300	500	1000	2000	3000	4000	5000	6000	7000	8000				
12	Δu	0.000	0.001	0.001	0.002	0.005	0.009	0.014	0.019	0.023	0.028	0.033	0.037	18880	0.088	3.58
	Δc	0.001	0.001	0.002	0.004	0.007	0.015	0.022	0.030	0.037	0.045	0.052	0.060			
18	Δu	0.002	0.004	0.005	0.009	0.018	0.035	0.053	0.070	0.088	0.106	0.123	0.141	9728	0.171	4.79
	Δc	0.002	0.004	0.006	0.009	0.019	0.038	0.056	0.075	0.094	0.113	0.132	0.150			
24	Δu	0.005	0.010	0.015	0.026	0.051	0.103	0.154	0.205	0.256	0.308	0.359	0.410	9500	0.487	5.20
	Δc	0.004	0.008	0.012	0.021	0.041	0.082	0.123	0.164	0.205	0.246	0.287	0.328			
30	Δu	0.012	0.024	0.036	0.060	0.120	0.240	0.360	0.480	0.599	0.719	6570	0.788	5.43		
	Δc	0.008	0.015	0.023	0.038	0.077	0.153	0.230	0.307	0.384	0.460				0.537	0.614
36	Δu	0.025	0.049	0.074	0.123	0.246	0.492	0.783	0.525	0.656	4562	1.122	5.49			
	Δc	0.013	0.026	0.039	0.066	0.131	0.262	0.393						6843	0.897	
42	Δu	0.045	0.090	0.135	0.225	0.449	0.616	3352	1.505	5.57						
	Δc	0.021	0.041	0.062	0.103	0.205					0.411	5865	1.204			
48	Δu	0.076	0.152	0.228	0.380	0.608	2566	1.952	5.61							
	Δc	0.030	0.061	0.091	0.152					0.304	5132	1.561				
54	Δu	0.121	0.242	0.364	0.606	0.431	2027	2.456	5.64							
	Δc	0.043	0.086	0.129	0.215					4562	1.966					
60	Δu	0.185	0.369	0.554	0.591	1642	2.033	5.64								
	Δc	0.059	0.118	0.177					0.296	4106	2.427					
66	Δu	0.269	0.537	0.391	1354	3.636	5.68									
	Δc	0.078	0.156					0.234	3732	2.915						
72	Δu	0.380	0.761	0.507	1140	4.335	5.68									
	Δc	0.101	0.203					0.304	3422	3.470						



Series	Bar Width	Open Space	% Open Area	Approx Wt.	I-in ⁴ /ft. of Width	S-in ³ /ft. of Width
HD 6000	.60	.90	60	7.0	1.35	1.80
HD 5000	.60	.60	50	8.5	1.69	2.25
HD 4000	.60	.40	40	10.1	2.02	2.70

Multipliers for Series Other Than HD-6000

HD 5000 - Multiply Load Table Deflection by 0.80
HD 4000 - Multiply Load Table Deflection by 0.67

Specifications

How to Specify DURADEK® and DURAGRID®

Fiberglass grating shall be (select one):

DURADEK® Series (I-6000 1") (I-6000 1-1/2") (T-5000 2") as manufactured by Strongwell-Chatfield Division, Chatfield, Minnesota.

DURAGRID® as manufactured by Strongwell-Chatfield Division, Chatfield, Minnesota. Grating panels shall be made of (1") (1-1/4") (1-1/2") (2") deep pultruded (T) (I) bars.

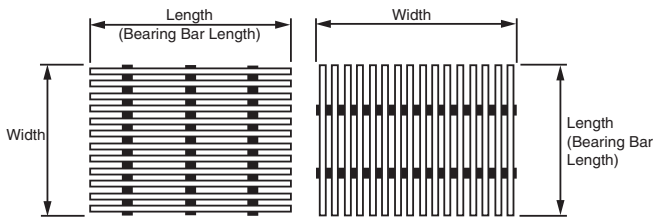
DURAGRID® Heavy Duty as manufactured by Strongwell-Chatfield Division, Chatfield, Minnesota. Grating panels shall be made of (1") (1-1/4") (1-1/2") (1-3/4") (2") (2-1/4") (2-1/2") deep pultruded (HD) bars.

The bearing bars shall be spaced at _____ inches on center. Resin shall be fire retardant (polyester) (vinyl ester) meeting the requirements of a Class 1 rating of 25 or less per ASTM E-84 and meets the self-extinguishing requirements of ASTM D-635. Color shall be (gray) (yellow). Resin shall be UV inhibited and the composite shall include a veil on all exposed surfaces. Panels shall be assembled into the sizes ordered using a 3-piece pultruded cross-rod system.

The cross-rods shall consist of a center core wedge and 2 spacer bars that are notched at each bearing bar so that each bearing bar is both mechanically locked and chemically bonded to the web of each bearing bar. The spacer bars shall be continually bonded to the center core wedge. The cross-rods shall be spaced a maximum of (6") (12") in the panel. The top of the panels (shall) (shall not) be covered with a bonded grit anti-skid surface.

NOTE: If special options are required that are not stated in the above specification, fill in your special requirement in the appropriate section.

How to Order

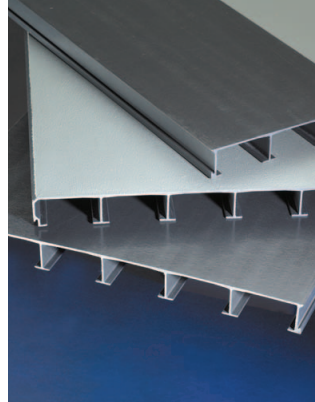


Panel Sizes Are Specified: Width x Length

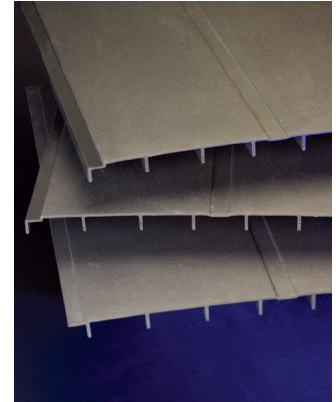
When ordering DURADEK® or DURAGRID®, make sure the bearing bars in the panel are oriented in the correct direction for the application. Bearing bars should traverse from support to support. Cross-rods are not intended to be applied in the span direction. The adjacent drawing will help you specify the width and length of panels. NOTE: Width is the measurement from end to end of the cross-rods. Length is always the bearing bar length.

Options

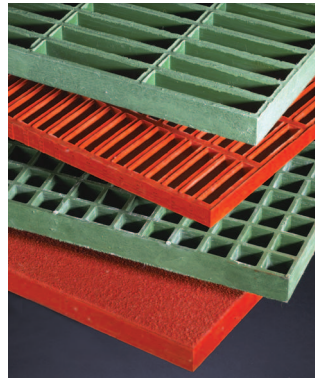
Strongwell offers a broad range of fiberglass decking and flooring materials. A brief description of the other available flooring products in the Strongwell industrial product line is shown here. Full-color brochures are available for each individual product.



SAFPLANK®, a system of interlocking planks, provides easy installation and superior corrosion resistance for applications requiring a solid deck or floor.



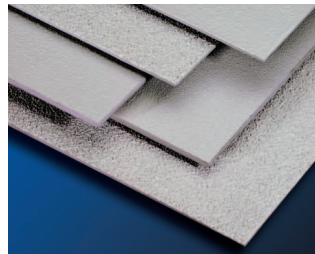
SAFDECK® is a high strength, one-piece, overlapping panel system. Low in conductivity and nonsparking, **SAFDECK®** provides safe walkways in numerous applications.



DURAGRATE® molded grating has a concave profile on the upper surface for skid resistance. Grit tops are optional.



COMPOSOLITE® building panels are suitable for major load bearing structural applications and are particularly well-suited to outdoor use and corrosive environments.



SAFPLATE®, a solid anti-skid flooring, helps reduce worker slips and falls in both wet and dry applications.



STRONGWELL

ISO-9001:2008 Certified Manufacturing Plants

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CHATFIELD DIVISION*

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