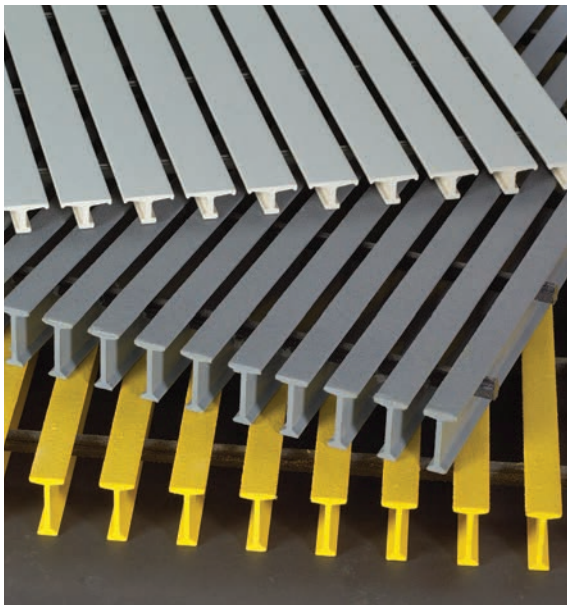
STRONGWELL®

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.

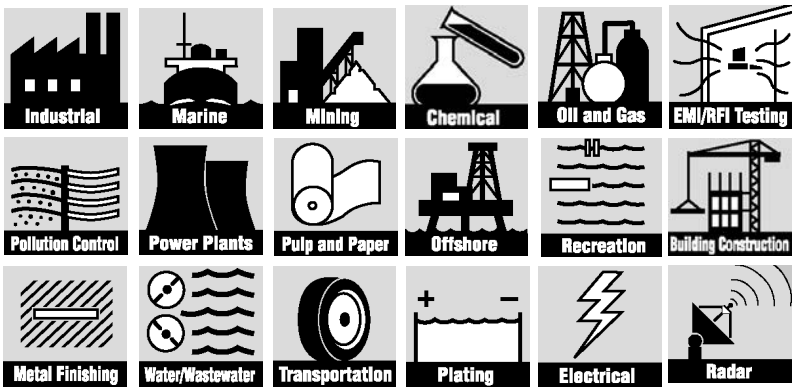
Why Use DURADEK® or DURAGRID® Grating?

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

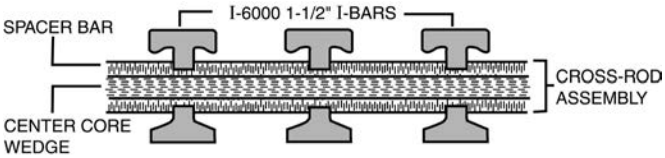


DURADEK® and DURAGRID® fiberglass gratings are a composite of fiberglass reinforcements (fibers and mat) and a thermosetting resin system, produced by the pultrusion process. The pultrusion manufacturing process produces many of the outstanding characteristics of the product.

The bearing bars use both longitudinal (glass roving) and multidirectional (glass mat) reinforcements as well as a synthetic surfacing veil to provide unequaled 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.

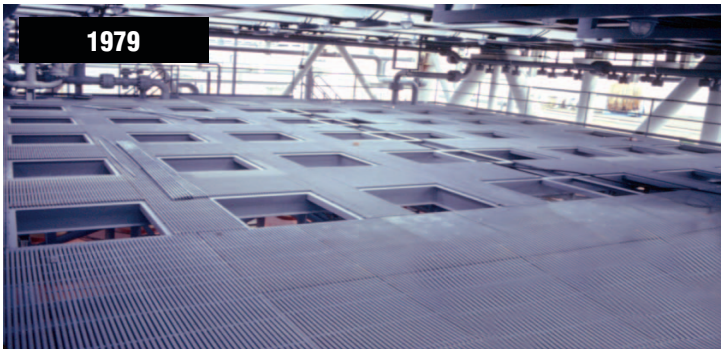
Surface Texture

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



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."

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.

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.

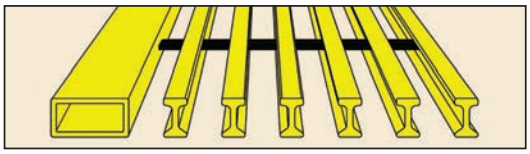
Strongwell DURADEK® I-6000 grating was installed at this School of Business and Information Systems in Hong Kong as air-conditioning platforms when placed horizontally and as louver when placed vertically (as shown here).

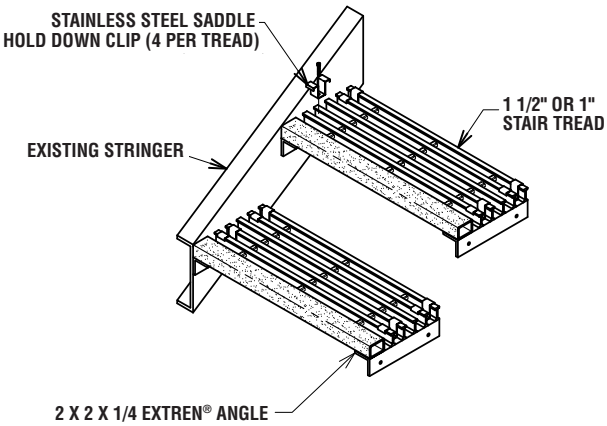
The Muirfield Village Golf Club, designed by Jack Nicklaus, offers an outside patio deck for players to relax and have a snack between nines. After years of constant moisture and the steady pounding of golf shoes, the wood deck had become a safety hazard and required replacement. Strongwell manufactured 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

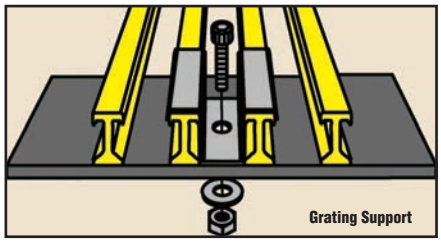
Stair treads and landings are produced by attaching a 2" deep nosing to the leading edge. This gives added strength and rigidity to the area that takes the most impact and abuse. In addition, the nosing provides more surface area for skid resistance, wear and better visibility. Gray stair treads with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



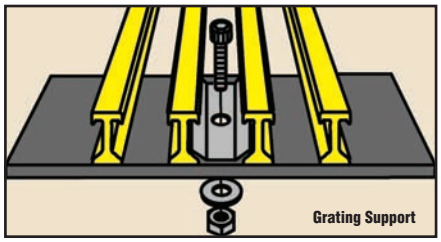


TREAD WIDTH & COLOR	STAIR TREAD SERIES	MAXIMUM SPAN FOR 300 LBS. AT MIDSPAN	
		1/8" OR LESS DEFLECTION	1/4" OR LESS DEFLECTION
11" Gray or Yellow	I-6000 1"	29"	37"
11" Gray or Yellow	I-6000 1-1/2"	40"	52"
12" Gray or Yellow	T-5000 2"	47"	59"

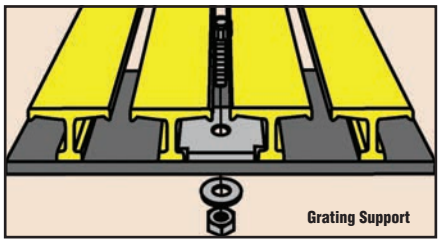
Panel Hold Downs



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.*



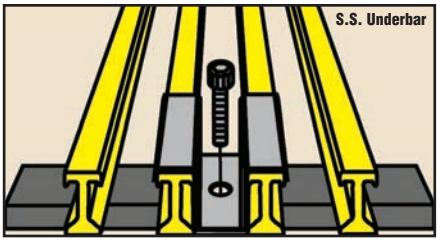
Weldable 316L stainless steel insert clips are available for all grating series except T-1800 and T-3500.
**Bolts are priced separately from the hold-down.*



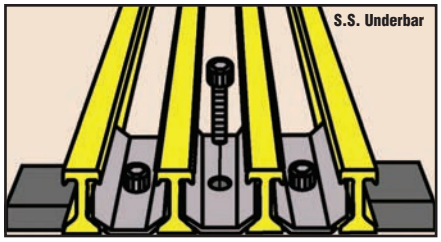
Weldable 316L stainless steel insert clips are available for series T-1800 and T-3500 only.
**Bolts are priced separately from the hold-down.*
(All bolts are 1/4-20 x 1-1/4", cap head, 316L stainless steel.)

Panel Connectors

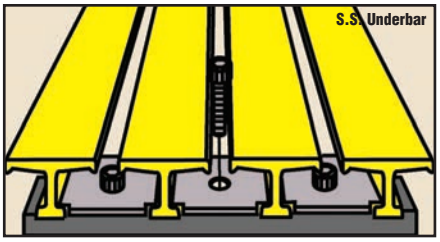
Panel Connectors are generally only used at midspan to assist in transferring load from section to section.



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.

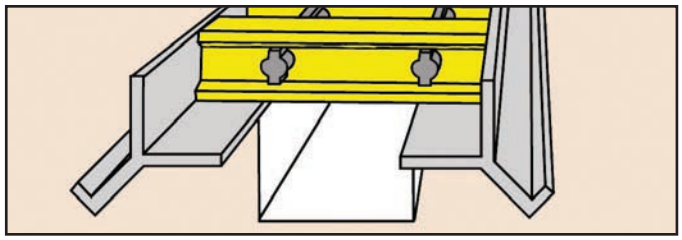


Insert clip hold-downs are available for T-1800 and T-3500 grating.

(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.

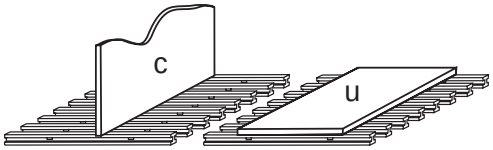
Load Table Values

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.

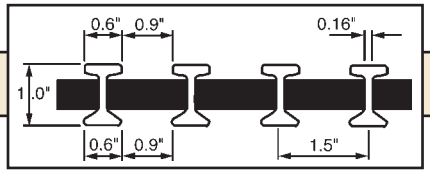
DURADEK® High Strength Fiberglass Grating

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 50	100	150	200	250	300	400	500	750	1000	2000	3000	4000	5000	SAFE LOAD 2:1 SAFETY FACTOR	DEFLECTION	E x 10⁶ PSI
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	5200	0.151	
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	3716	0.332	
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			2900	0.577	
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	0.859	
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	1.186	
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	1.591	
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	2.027	
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	2.548	

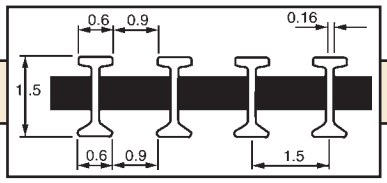


NOTE: When a 100 pounds per square foot uniform load is placed upon a 43" simple span, it will produce a deflection of 1/4" at midspan.

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

A = 3.136 IN^2/FT OF WIDTH S = 1.240 IN^3/FT OF WIDTH I = 0.928 IN^4/FT OF WIDTH
60% OPEN AREA APPROX. WT. = 3.0 LBS/SQ FT

SPAN INCHES		LOAD 50	100	150	200	250	300	400	500	750	1000	2000	3000	4000	5000	6000	7000	SAFE LOAD 2:1 SAFETY FACTOR	DEFLECTION	E x 10^6 PSI
12	Δu	0.000	0.001	0.001	0.001	0.002	0.002	0.003	0.003	0.005	0.006	0.013	0.019	0.026	0.032	0.038	0.045	17601	0.113	3.79
	Δc	0.001	0.001	0.002	0.002	0.003	0.003	0.004	0.005	0.008	0.010	0.020	0.031	0.041	0.051	0.061	0.072	8800	0.090	
18	Δu	0.002	0.003	0.005	0.006	0.008	0.009	0.012	0.015	0.023	0.030	0.061	0.091	0.121	0.152	0.182	0.212	7823	0.237	4.05
	Δc	0.002	0.003	0.005	0.006	0.008	0.010	0.013	0.016	0.024	0.032	0.065	0.097	0.129	0.162	0.194	0.226	5867	0.190	
24	Δu	0.005	0.009	0.014	0.018	0.023	0.027	0.037	0.046	0.069	0.091	0.183	0.274	0.366	0.457	0.549	0.640	4400	0.403	4.24
	Δc	0.004	0.007	0.011	0.015	0.018	0.022	0.029	0.037	0.055	0.073	0.146	0.220	0.293	0.366	0.439	0.512	4400	0.322	
30	Δu	0.011	0.022	0.032	0.043	0.054	0.065	0.086	0.108	0.161	0.215	0.430	0.646					2773	0.597	4.40
	Δc	0.007	0.014	0.021	0.028	0.034	0.041	0.055	0.069	0.103	0.138	0.276	0.413	0.551				3467	0.478	
36	Δu	0.022	0.044	0.065	0.087	0.109	0.131	0.175	0.218	0.327	0.436							1896	0.827	4.50
	Δc	0.012	0.023	0.035	0.047	0.058	0.070	0.093	0.116	0.175	0.233	0.466						2845	0.662	
42	Δu	0.040	0.079	0.119	0.159	0.198	0.238	0.317	0.396	0.595								1361	1.079	4.59
	Δc	0.018	0.036	0.054	0.072	0.091	0.109	0.145	0.181	0.272	0.362							2381	0.863	
48	Δu	0.067	0.133	0.200	0.266	0.333	0.400	0.533	0.666									1017	1.354	4.66
	Δc	0.027	0.053	0.080	0.107	0.133	0.160	0.213	0.266	0.400	0.533							2033	1.083	
54	Δu	0.106	0.211	0.317	0.422	0.528	0.633											777	1.640	4.71
	Δc	0.038	0.075	0.113	0.150	0.188	0.225	0.300	0.375	0.563								1748	1.312	
60	Δu	0.160	0.320	0.480	0.639													608	1.944	4.74
	Δc	0.051	0.102	0.153	0.205	0.256	0.307	0.409	0.512									1520	1.555	
66	Δu	0.233	0.466															485	2.259	4.76
	Δc	0.068	0.136	0.203	0.271	0.339	0.407	0.542	0.678									1333	1.808	

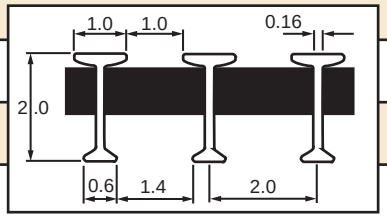


NOTE: When a 100 pounds per square foot uniform load is placed upon a 56" simple span, it will produce a deflection of 1/4" at midspan.

DURADEK® T-5000 2" Bearing Bars Spaced 2" On Center

A = 3.252 IN^2/FT OF WIDTH S_T = 1.906 IN^3/FT OF WIDTH S_B = 1.495 IN^3/FT OF WIDTH I = 1.676 IN^4/FT OF WIDTH
50% OPEN AREA APPROX. WT. = 3.1 LBS/SQ FT

SPAN INCHES		LOAD 50	100	150	200	250	300	400	500	750	1000	2000	3000	4000	5000	6000	7000	8000	SAFE LOAD 2:1 SAFETY FACTOR	DEFLECTION	E x 10^6 PSI
12	Δu	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.002	0.003	0.004	0.007	0.011	0.014	0.018	0.021	0.025	0.028	11333	0.040	3.80
	Δc	0.000	0.001	0.001	0.001	0.001	0.002	0.002	0.003	0.004	0.006	0.011	0.017	0.023	0.028	0.034	0.040	0.045	5666	0.032	
18	Δu	0.001	0.002	0.003	0.003	0.004	0.005	0.007	0.009	0.013	0.017	0.035	0.052	0.070	0.087	0.104	0.122	0.139	7536	0.131	3.91
	Δc	0.001	0.002	0.003	0.004	0.005	0.006	0.007	0.009	0.014	0.019	0.037	0.056	0.074	0.093	0.111	0.130	0.148	5666	0.105	
24	Δu	0.003	0.005	0.008	0.011	0.013	0.016	0.021	0.027	0.040	0.054	0.107	0.161	0.214	0.268	0.321	0.375	0.429	5666	0.304	4.01
	Δc	0.002	0.004	0.006	0.009	0.011	0.013	0.017	0.021	0.032	0.043	0.086	0.129	0.171	0.214	0.257	0.300	0.343	5666	0.243	
30	Δu	0.006	0.013	0.019	0.026	0.032	0.038	0.051	0.064	0.096	0.128	0.256	0.384	0.512	0.640				3626	0.464	4.10
	Δc	0.004	0.008	0.012	0.016	0.020	0.025	0.033	0.041	0.061	0.082	0.164	0.246	0.327	0.409	0.491	0.573	0.655	4534	0.371	
36	Δu	0.013	0.026	0.039	0.052	0.065	0.078	0.104	0.130	0.195	0.260	0.520							2519	0.655	4.18
	Δc	0.007	0.014	0.021	0.028	0.035	0.042	0.055	0.069	0.104	0.139	0.277	0.416	0.555	0.694				3778	0.524	
42	Δu	0.024	0.047	0.071	0.095	0.119	0.142	0.190	0.237	0.356	0.474								1850	0.877	4.25
	Δc	0.011	0.022	0.033	0.043	0.054	0.065	0.087	0.108	0.163	0.217	0.433	0.650						3238	0.702	
48	Δu	0.040	0.079	0.119	0.158	0.198	0.238	0.317	0.396	0.594									1417	1.122	4.34
	Δc	0.016	0.032	0.048	0.063	0.079	0.095	0.127	0.158	0.238	0.317	0.634							2834	0.898	
54	Δu	0.062	0.125	0.187	0.250	0.312	0.374	0.499	0.624										1120	1.398	4.41
	Δc	0.022	0.044	0.067	0.089	0.111	0.133	0.178	0.222	0.333	0.444								2519	1.118	
60	Δu	0.094	0.188	0.282	0.375	0.469	0.563	0.751											907	1.702	4.47
	Δc	0.030	0.060	0.090	0.120	0.150	0.180	0.240	0.300	0.450	0.601								2267	1.361	
66	Δu	0.136	0.272	0.408	0.544	0.679													749	2.036	4.52
	Δc	0.040	0.079	0.119	0.158	0.198	0.237	0.316	0.395	0.593									2060	1.629	
72	Δu	0.190	0.380	0.570															629	2.390	4.58
	Δc	0.051	0.101	0.152	0.203	0.253	0.304	0.405	0.507										1889	1.914	
78	Δu	0.260	0.520																536	2.788	4.61
	Δc	0.064	0.128	0.192	0.256	0.320	0.384	0.512	0.640										1744	2.231	
84	Δu	0.347	0.693																463	3.208	4.65
	Δc	0.079	0.158	0.238	0.317	0.396	0.475	0.634											1619	2.566	



NOTE: When a 100 pounds per square foot uniform load is placed upon a 64" simple span, it will produce a deflection of 1/4" at midspan.

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

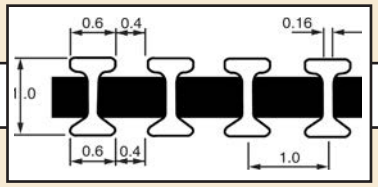
OTHER COMMON SERIES AND SPACING (X):

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 50	100	150	200	250	300	400	500	750	1000	2000	2500	3000	4000	5000	6000	SAFE LOAD 2:1 SAFETY FACTOR	DEFLECTION	E x 10^6 PSI
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	0.189	**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	7800	0.151	
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	0.415	**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	5573	0.332	
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	0.722	**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		4350	0.577	
30	Δu	0.019	0.039	0.058	0.077	0.096	0.116	0.154	0.193	0.289	0.386							2784	1.074	**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					3480	0.859	
36	Δu	0.038	0.077	0.115	0.153	0.192	0.230	0.307	0.383	0.575								1933	1.482	**4.83**
	Δc	0.020	0.041	0.061	0.082	0.102	0.123	0.164	0.205	0.307	0.409							2900	1.186	
42	Δu	0.070	0.141	0.211	0.281	0.352	0.422	0.563	0.703									1414	1.988	**4.88**
	Δc	0.032	0.064	0.096	0.129	0.161	0.193	0.257	0.321	0.482	0.643							2474	1.590	
48	Δu	0.118	0.235	0.353	0.470	0.588	0.705											1078	2.534	**4.98**
	Δc	0.047	0.094	0.141	0.188	0.235	0.282	0.376	0.470									2155	2.026	



*(M) - Multiplier for load table loads

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

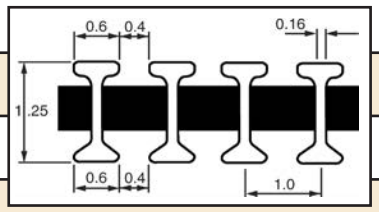
OTHER COMMON SERIES AND SPACING (X):

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 50	100	150	200	250	300	400	500	750	1000	2000	3000	4000	5000	6000	7000	SAFE LOAD 2:1 SAFETY FACTOR	DEFLECTION	E x 10^6 PSI
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	0.163	**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	10500	0.130	
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	0.350	**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	7187	0.280	
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	0.596	**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	5475	0.477	
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	0.888	**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				4340	0.711	
36	Δu	0.026	0.051	0.077	0.103	0.128	0.154	0.205	0.257	0.385	0.513							2388	1.226	**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						3583	0.981	
42	Δu	0.046	0.093	0.139	0.186	0.232	0.279	0.372	0.465	0.697								1727	1.606	**4.45**
	Δc	0.021	0.043	0.064	0.085	0.106	0.128	0.170	0.213	0.319	0.425							3023	1.285	
48	Δu	0.078	0.155	0.233	0.310	0.388	0.465	0.621										1302	2.020	**4.55**
	Δc	0.031	0.062	0.093	0.124	0.155	0.186	0.248	0.310	0.465	0.621							2603	1.615	
54	Δu	0.123	0.245	0.368	0.491	0.613	0.736											1007	2.470	**4.61**
	Δc	0.044	0.087	0.131	0.174	0.218	0.262	0.349	0.436	0.654								2267	1.977	
60	Δu	0.185	0.370	0.555	0.740													796	2.944	**4.66**
	Δc	0.059	0.118	0.178	0.237	0.296	0.355	0.473	0.592									1990	2.355	



*(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

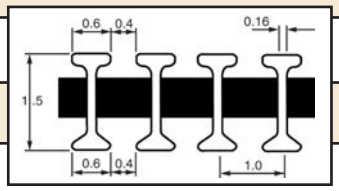
1-1/2" I BEARING BARS: VALUES PER FT OF WIDTH

A = 4.704 IN^2/FT OF WIDTH S = 1.860 IN^3/FT OF WIDTH I = 1.392 IN^4/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 50	100	150	200	250	300	400	500	750	1000	2000	3000	4000	5000	6000	7000	8000	9000	SAFE LOAD 2:1 SAFETY FACTOR	DEFLECTION	E x 10^6 PSI
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

Now available 1.5" T bar. Call for details.

1" T BEARING BARS: VALUES PER FT OF WIDTH

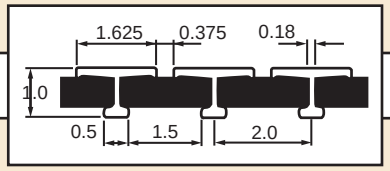
A = 2.850 IN^2/FT OF WIDTH S_T = 0.903 IN^3/FT OF WIDTH

I = 0.306 IN^4/FT OF WIDTH S_B = 0.464 IN^3/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.

SPAN INCHES		LOAD 50	100	150	200	250	300	400	500	750	1000	2000	2500	3000	4000	SAFE LOAD 2:1 SAFETY FACTOR	DEFLECTION	E x 10^6 PSI
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

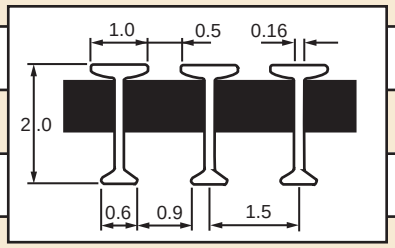
A = 4.338 IN^2/FT OF WIDTH S_T = 2.541 IN^3/FT OF WIDTH

I = 2.234 IN^4/FT OF WIDTH S_B = 1.994 IN^3/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 50	100	150	200	250	300	400	500	750	1000	2000	2500	3000	4000	5000	6000	7000	8000	SAFE LOAD 2:1 SAFETY FACTOR	DEFLECTION	E x 10^6 PSI
12	Δu	0.000	0.000	0.000	0.001	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	0.040	**3.80**
	Δc	0.000	0.000	0.001	0.001	0.001	0.001	0.002	0.002	0.003	0.004	0.008	0.011	0.013	0.017	0.021	0.025	0.030	0.034	7555	0.032	
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	0.131	**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	7555	0.105	
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	0.304	**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	7555	0.243	
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	0.464	**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	6045	0.371	
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	0.655	**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			5037	0.524	
42	Δu	0.018	0.036	0.053	0.071	0.089	0.107	0.142	0.178	0.267	0.356									2467	0.877	**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					4317	0.702	
48	Δu	0.030	0.059	0.089	0.119	0.149	0.178	0.238	0.297	0.446	0.594									1889	1.122	**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							3778	0.898	
54	Δu	0.047	0.094	0.140	0.187	0.234	0.281	0.375	0.468											1493	1.398	**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								3358	1.118	
60	Δu	0.070	0.141	0.211	0.282	0.352	0.422	0.563												1209	1.703	**4.47**
	Δc	0.023	0.045	0.068	0.090	0.113	0.135	0.180	0.225	0.338	0.451									3022	1.362	
66	Δu	0.102	0.204	0.306	0.408	0.510	0.612													999	2.037	**4.52**
	Δc	0.030	0.059	0.089	0.119	0.148	0.178	0.237	0.297	0.445	0.593									2747	1.629	
72	Δu	0.142	0.285	0.427	0.570															839	2.391	**4.58**
	Δc	0.038	0.076	0.114	0.152	0.190	0.228	0.304	0.380	0.570										2519	1.914	
78	Δu	0.195	0.390	0.585																715	2.788	**4.61**
	Δc	0.048	0.096	0.144	0.192	0.240	0.288	0.384	0.480											2325	2.232	
84	Δu	0.260	0.520																	617	3.209	**4.65**
	Δc	0.059	0.119	0.178	0.238	0.297	0.357	0.475	0.594											2159	2.566	



*(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

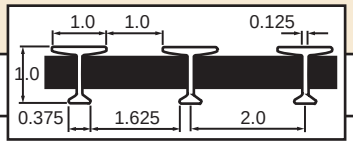
A = 1.596 IN^2/FT OF WIDTH S_T = 0.530 IN^3/FT OF WIDTH

I = 0.197 IN^4/FT OF WIDTH S_B = 0.314 IN^3/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 50	100	150	200	250	300	400	500	750	1000	2000	SAFE LOAD 2:1 SAFETY FACTOR	DEFLECTION	E x 10^6 PSI
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	0.182	**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	2383	0.146	
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	0.401	**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	1609	0.321	
24	Δu	0.029	0.057	0.086	0.114	0.143	0.171	0.228	0.286	0.428	0.571		1221	0.697	**3.20**
	Δc	0.023	0.046	0.069	0.091	0.114	0.137	0.183	0.228	0.343	0.457		1221	0.558	
30	Δu	0.068	0.135	0.203	0.270	0.338	0.406	0.541	0.676				791	1.069	**3.30**
	Δc	0.043	0.087	0.130	0.173	0.216	0.260	0.346	0.433	0.649			989	0.856	
36	Δu	0.136	0.272	0.408	0.544	0.680							556	1.513	**3.40**
	Δc	0.073	0.145	0.218	0.290	0.363	0.435	0.580	0.726				834	1.210	
42	Δu	0.244	0.488	0.732									413	2.017	**3.51**
	Δc	0.112	0.223	0.335	0.446	0.558	0.670						723	1.614	



*(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

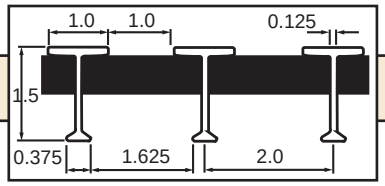
A = 1.968 IN²/FT OF WIDTH S_T = 0.950 IN³/FT OF WIDTH

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 50	100	150	200	250	300	400	500	750	1000	2000	2500	3000	4000	5000	SAFE LOAD 2:1 SAFETY FACTOR	DEFLECTION	E x 10⁶ PSI
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	5161	0.114	
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	3482	0.253	
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	0.445	
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

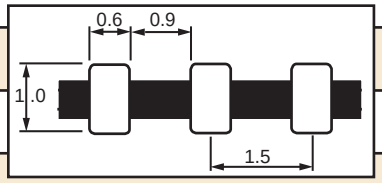
DURAGRID® Heavy Duty Grating

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 100	200	300	500	1000	2000	3000	4000	SAFE LOAD 2:1 SAFETY FACTOR	DEFLECTION	E x 10⁶ PSI
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	4445	0.079	
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	0.204	
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-in⁴/ft. of Width	S-in³/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

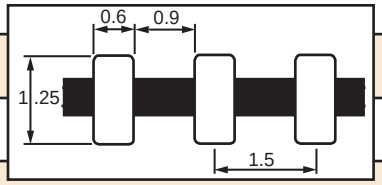
HD 5000 - Multiply Load Table Deflection by 0.80

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 100	200	300	500	1000	2000	3000	4000	5000	6000	7000	8000	SAFE LOAD 2:1 SAFETY FACTOR	DEFLECTION	E x 10^6 PSI
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	13760	0.139	
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	0.205	
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	0.453	
30	Δu	0.019	0.038	0.057	0.095	0.190	0.381	0.571						4504	0.858	5.91
	Δc	0.012	0.024	0.037	0.061	0.122	0.244	0.366	0.487	0.609				5626	0.686	
36	Δu	0.039	0.078	0.117	0.196	0.392								3125	1.224	5.96
	Δc	0.021	0.042	0.063	0.104	0.209	0.418	0.626						4680	0.977	
42	Δu	0.072	0.144	0.216	0.360									2296	1.652	6.01
	Δc	0.033	0.066	0.099	0.164	0.329	0.658							4018	1.321	
48	Δu	0.122	0.243	0.365	0.609									1758	2.140	6.06
	Δc	0.049	0.097	0.146	0.243	0.487								3516	1.712	
54	Δu	0.195	0.390	0.585										1389	2.708	6.06
	Δc	0.069	0.139	0.208	0.347									3125	2.166	
60	Δu	0.296	0.591											1125	3.326	6.09
	Δc	0.095	0.189	0.284	0.473									2812	2.660	



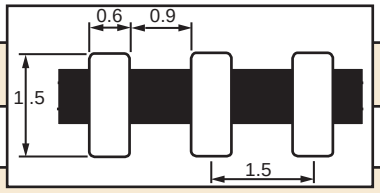
Series	Bar Width	Open Space	% Open Area	Approx Wt.	I-in⁴/ft. of Width	S-in³/ft. of Width
HD 6000	.60	.90	60	5.9	.781	1.25
HD 5000	.60	.60	50	7.2	.977	1.56
HD 4000	.60	.40	40	8.5	1.172	1.88

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 100	200	300	500	1000	2000	3000	4000	5000	6000	7000	8000	SAFE LOAD 2:1 SAFETY FACTOR	DEFLECTION	E x 10^6 PSI
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	18880	0.141	
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	9760	0.183	
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	9500	0.390	
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	8212	0.630	
36	Δu	0.025	0.049	0.074	0.123	0.246	0.492	0.783						4562	1.122	5.49
	Δc	0.013	0.026	0.039	0.066	0.131	0.262	0.393	0.525	0.656				6843	0.897	
42	Δu	0.045	0.090	0.135	0.225	0.449								3352	1.505	5.57
	Δc	0.021	0.041	0.062	0.103	0.205	0.411	0.616						5865	1.204	
48	Δu	0.076	0.152	0.228	0.380									2566	1.952	5.61
	Δc	0.030	0.061	0.091	0.152	0.304	0.608							5132	1.561	
54	Δu	0.121	0.242	0.364	0.606									2027	2.456	5.64
	Δc	0.043	0.086	0.129	0.215	0.431								4562	1.966	
60	Δu	0.185	0.369	0.554										1642	2.033	5.64
	Δc	0.059	0.118	0.177	0.296	0.591								4106	2.427	
66	Δu	0.269	0.537											1354	3.636	5.68
	Δc	0.078	0.156	0.234	0.391									3732	2.915	
72	Δu	0.380	0.761											1140	4.335	5.68
	Δc	0.101	0.203	0.304	0.507									3422	3.470	



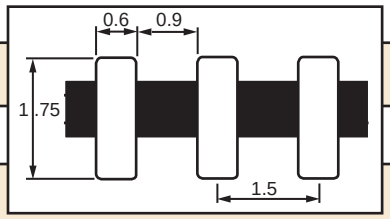
Series	Bar Width	Open Space	% Open Area	Approx Wt.	I-in⁴/ft. of Width	S-in³/ft. of Width
HD 6000	.60	.90	60	7.0	1.35	1.80
HD 5000	.60	.60	50	8.5	1.69	2.25
HD 4000	.60	.40	40	10.1	2.02	2.70

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

DURAGRID® HD-6000 1-3/4" Bearing Bar

A = 8.4 in²/ft. of width I = 2.14 in⁴/ft. of width S = 2.45 in³/ft. of width

SPAN INCHES		LOAD 100	200	300	500	1000	2000	3000	4000	5000	6000	7000	8000	SAFE LOAD 2:1 SAFETY FACTOR	DEFLECTION	E x 10^6 PSI
12	Δu	0.000	0.001	0.001	0.002	0.004	0.007	0.011	0.014	0.018	0.021	0.025	0.029	19920	0.071	2.95
	Δc	0.000	0.001	0.002	0.003	0.006	0.011	0.017	0.023	0.029	0.034	0.040	0.046	19920	0.114	
18	Δu	0.001	0.002	0.004	0.006	0.012	0.023	0.035	0.047	0.059	0.070	0.082	0.094	15926	0.187	4.53
	Δc	0.001	0.003	0.004	0.006	0.013	0.025	0.038	0.050	0.063	0.075	0.088	0.100	12400	0.155	
24	Δu	0.003	0.007	0.010	0.016	0.033	0.065	0.098	0.131	0.164	0.196	0.229	0.262	12400	0.406	5.14
	Δc	0.003	0.005	0.008	0.013	0.026	0.052	0.079	0.105	0.131	0.157	0.183	0.209	12400	0.325	
30	Δu	0.007	0.015	0.022	0.037	0.075	0.149	0.224	0.298	0.373	0.447	0.522	0.596	9062	0.675	5.51
	Δc	0.005	0.010	0.014	0.024	0.048	0.095	0.143	0.191	0.239	0.286	0.334	0.382	11328	0.540	
36	Δu	0.015	0.030	0.045	0.076	0.151	0.303	0.454	0.605	0.756	0.908			6294	0.952	5.63
	Δc	0.008	0.016	0.024	0.040	0.081	0.161	0.242	0.323	0.403	0.484	0.565	0.645	9440	0.762	
42	Δu	0.027	0.055	0.082	0.137	0.275	0.550							4623	1.271	5.74
	Δc	0.013	0.025	0.038	0.063	0.126	0.251	0.377	0.503	0.628				8091	1.017	
48	Δu	0.046	0.093	0.139	0.232	0.464								3540	1.643	5.80
	Δc	0.019	0.037	0.056	0.093	0.186	0.371	0.557						7080	1.314	
54	Δu	0.074	0.148	0.221	0.369	0.738								2796	2.064	5.84
	Δc	0.026	0.052	0.079	0.131	0.262	0.525							6293	1.652	
60	Δu	0.113	0.225	0.338	0.563									2265	2.549	5.84
	Δc	0.036	0.072	0.108	0.180	0.360								5664	2.039	
66	Δu	0.164	0.327	0.491										1872	3.063	5.88
	Δc	0.048	0.095	0.143	0.238	0.476								5149	2.451	
72	Δu	0.231	0.463	0.694										1573	3.639	5.89
	Δc	0.062	0.123	0.185	0.308	0.617								4720	2.912	
78	Δu	0.313	0.626											1340	4.192	6.00
	Δc	0.077	0.154	0.231	0.385									4356	3.355	



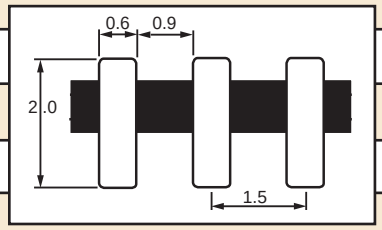
Series	Bar Width	Open Space	% Open Area	Approx Wt.	I-in⁴/ft. of Width	S-in³/ft. of Width
HD 6000	.60	.90	60	8.0	2.14	2.45
HD 5000	.60	.60	50	9.8	2.68	3.06
HD 4000	.60	.40	40	11.6	3.22	3.68

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 2" Bearing Bar

A = 9.6 in²/ft. of width I = 3.2 in⁴/ft. of width S = 3.2 in³/ft. of width

SPAN INCHES		LOAD 100	200	300	500	1000	2000	3000	4000	5000	6000	7000	8000	SAFE LOAD 2:1 SAFETY FACTOR	DEFLECTION	E x 10^6 PSI
12	Δu	0.000	0.001	0.001	0.002	0.003	0.006	0.009	0.012	0.015	0.018	0.021	0.024	15360	0.047	2.32
	Δc	0.000	0.001	0.001	0.002	0.005	0.010	0.015	0.019	0.024	0.029	0.034	0.039	15360	0.074	
18	Δu	0.001	0.002	0.003	0.005	0.009	0.018	0.028	0.037	0.046	0.055	0.064	0.074	13500	0.124	3.87
	Δc	0.001	0.002	0.003	0.005	0.010	0.020	0.029	0.039	0.049	0.059	0.069	0.078	13500	0.132	
24	Δu	0.002	0.005	0.007	0.012	0.024	0.049	0.073	0.098	0.122	0.146	0.171	0.195	13000	0.317	4.61
	Δc	0.002	0.004	0.006	0.010	0.020	0.039	0.059	0.078	0.098	0.117	0.137	0.156	13000	0.254	
30	Δu	0.005	0.011	0.016	0.027	0.054	0.108	0.162	0.215	0.269	0.323	0.377	0.431	9946	0.536	5.10
	Δc	0.003	0.007	0.010	0.017	0.034	0.069	0.103	0.138	0.172	0.207	0.241	0.276	12432	0.428	
36	Δu	0.011	0.022	0.032	0.054	0.108	0.216	0.324	0.431	0.539	0.647			6880	0.742	5.28
	Δc	0.006	0.012	0.017	0.029	0.058	0.115	0.173	0.230	0.288	0.345	0.403	0.460	10320	0.594	
42	Δu	0.019	0.039	0.058	0.097	0.194	0.387	0.581	0.774					5112	0.990	5.45
	Δc	0.009	0.018	0.027	0.044	0.089	0.177	0.266	0.354	0.443	0.531	0.620	0.708	8880	1.786	
48	Δu	0.033	0.066	0.099	0.164	0.328	0.657							3860	1.268	5.48
	Δc	0.013	0.026	0.039	0.066	0.131	0.263	0.394	0.526	0.657				7770	1.021	
54	Δu	0.052	0.104	0.156	0.259	0.519								3070	1.592	5.56
	Δc	0.018	0.037	0.055	0.092	0.184	0.369	0.553						6907	1.274	
60	Δu	0.079	0.158	0.236	0.394									2485	1.957	5.58
	Δc	0.025	0.050	0.076	0.126	0.252	0.504							6216	1.567	
66	Δu	0.114	0.228	0.342	0.570									2054	2.343	5.64
	Δc	0.033	0.066	0.100	0.166	0.332	0.664							5650	1.875	
72	Δu	0.161	0.323	0.484	0.806									1726	2.784	5.65
	Δc	0.043	0.086	0.129	0.215	0.430								5180	2.228	
78	Δu	0.221	0.443	0.664										1471	3.256	5.67
	Δc	0.054	0.109	0.163	0.272	0.545								4781	2.605	
84	Δu	0.296	0.592											1269	3.758	5.70
	Δc	0.068	0.135	0.203	0.338	0.677								4440	3.006	



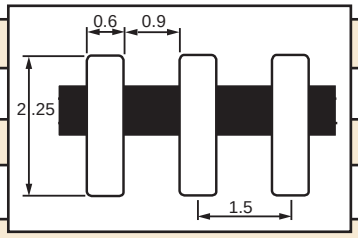
Series	Bar Width	Open Space	% Open Area	Approx Wt.	I-in⁴/ft. of Width	S-in³/ft. of Width
HD 6000	.60	.90	60	9.0	3.20	3.20
HD 5000	.60	.60	50	11.1	4.00	4.00
HD 4000	.60	.40	40	14.4	4.80	4.80

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 2-1/4" Bearing Bar

A = 10.8 in²/ft. of width I = 4.56 in⁴/ft. of width S = 4.05 in³/ft. of width

SPAN INCHES		LOAD 100	200	300	500	1000	2000	3000	4000	5000	6000	7000	8000	SAFE LOAD 2:1 SAFETY FACTOR	DEFLECTION	E x 10⁶ PSI
12	Δu	0.000	0.000	0.001	0.001	0.002	0.005	0.007	0.010	0.012	0.015	0.017	0.019	20960	0.051	2.03
	Δc	0.000	0.001	0.001	0.002	0.004	0.008	0.012	0.016	0.019	0.023	0.027	0.031	20960	0.082	
18	Δu	0.001	0.001	0.002	0.004	0.007	0.014	0.021	0.028	0.035	0.042	0.050	0.057	16640	0.118	3.53
	Δc	0.001	0.002	0.002	0.004	0.008	0.015	0.023	0.030	0.038	0.045	0.053	0.060	16640	0.126	
24	Δu	0.002	0.003	0.005	0.009	0.017	0.035	0.052	0.070	0.087	0.105	0.122	0.139	16000	0.279	4.53
	Δc	0.001	0.003	0.004	0.007	0.014	0.028	0.042	0.056	0.070	0.084	0.098	0.112	16000	0.223	
30	Δu	0.004	0.008	0.011	0.019	0.038	0.076	0.114	0.152	0.190	0.228	0.266	0.304	12800	0.486	5.08
	Δc	0.002	0.005	0.007	0.012	0.024	0.049	0.073	0.097	0.121	0.146	0.170	0.194	16000	0.389	
36	Δu	0.007	0.015	0.022	0.037	0.075	0.149	0.224	0.299	0.374	0.448	0.523	0.598	10720	0.801	5.35
	Δc	0.004	0.008	0.012	0.020	0.040	0.080	0.120	0.159	0.199	0.239	0.279	0.319	16000	0.637	
42	Δu	0.013	0.027	0.040	0.067	0.134	0.268	0.402	0.536	0.669				7876	1.055	5.53
	Δc	0.006	0.012	0.018	0.031	0.061	0.122	0.184	0.245	0.306	0.367	0.428	0.490	13783	0.844	
48	Δu	0.022	0.045	0.067	0.112	0.224	0.447	0.671						6030	1.348	5.65
	Δc	0.009	0.018	0.027	0.045	0.089	0.179	0.268	0.358	0.447	0.537	0.626		12060	1.078	
54	Δu	0.035	0.070	0.106	0.176	0.352								4764	1.679	5.74
	Δc	0.013	0.025	0.038	0.063	0.125	0.251	0.376	0.501	0.627				10720	1.344	
60	Δu	0.053	0.107	0.160	0.267	0.534								3859	2.063	5.77
	Δc	0.017	0.034	0.051	0.086	0.171	0.342	0.513	0.684					9648	1.650	
66	Δu	0.078	0.155	0.233	0.388									3789	2.939	5.82
	Δc	0.023	0.045	0.068	0.113	0.226	0.451	0.677						8771	1.979	
72	Δu	0.109	0.219	0.328	0.547									2680	2.935	5.84
	Δc	0.029	0.058	0.088	0.146	0.292	0.584							8040	2.348	
78	Δu	0.151	0.301	0.452										2283	3.437	5.85
	Δc	0.037	0.074	0.111	0.185	0.371								7421	2.750	
84	Δu	0.201	0.403	0.604										1954	3.937	5.88
	Δc	0.046	0.092	0.138	0.230	0.461								6841	3.150	
90	Δu	0.265	0.529											1715	4.538	5.90
	Δc	0.056	0.113	0.169	0.282	0.565								6432	3.631	
96	Δu	0.341	0.683											1507	5.145	5.92
	Δc	0.068	0.137	0.205	0.341	0.683								6030	4.117	



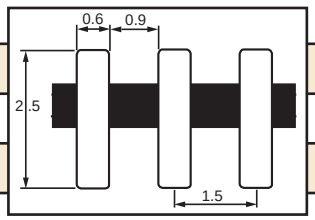
Series	Bar Width	Open Space	% Open Area	Approx Wt.	I-in⁴/ft. of Width	S-in³/ft. of Width
HD 6000	.60	.90	60	10.1	4.56	4.05
HD 5000	.60	.60	50	12.4	5.70	5.06
HD 4000	.60	.40	40	14.7	6.83	6.07

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 2-1/2" Bearing Bar

A = 12.0 in²/ft. of width I = 6.25 in⁴/ft. of width S = 5.00 in³/ft. of width

SPAN INCHES		LOAD 100	200	300	500	1000	2000	3000	4000	5000	6000	7000	8000	SAFE LOAD 2:1 SAFETY FACTOR	DEFLECTION	E x 10⁶ PSI
12	Δu	0.000	0.000	0.001	0.001	0.002	0.004	0.007	0.009	0.011	0.013	0.016	0.018	22400	0.050	1.61
	Δc	0.000	0.001	0.001	0.002	0.004	0.007	0.011	0.014	0.018	0.021	0.025	0.029	22400	0.080	
18	Δu	0.001	0.001	0.002	0.003	0.006	0.012	0.018	0.023	0.029	0.035	0.041	0.047	17640	0.103	3.11
	Δc	0.001	0.001	0.002	0.003	0.006	0.013	0.019	0.025	0.031	0.038	0.044	0.050	19600	0.123	
24	Δu	0.001	0.003	0.004	0.007	0.014	0.029	0.043	0.057	0.071	0.086	0.100	0.114	13716	0.196	4.03
	Δc	0.001	0.002	0.003	0.006	0.011	0.023	0.034	0.046	0.057	0.069	0.080	0.091	15240	0.174	
30	Δu	0.003	0.006	0.009	0.015	0.030	0.060	0.091	0.121	0.151	0.181	0.211	0.241	11800	0.356	4.66
	Δc	0.002	0.004	0.006	0.010	0.019	0.039	0.058	0.077	0.097	0.116	0.135	0.155	14750	0.285	
36	Δu	0.006	0.012	0.017	0.029	0.058	0.117	0.175	0.233	0.292	0.350	0.408	0.467	9493	0.554	5.00
	Δc	0.003	0.006	0.009	0.016	0.031	0.062	0.093	0.124	0.156	0.187	0.218	0.249	14240	0.443	
42	Δu	0.010	0.021	0.031	0.051	0.103	0.206	0.309	0.412	0.515	0.617			6975	0.718	5.25
	Δc	0.005	0.009	0.014	0.024	0.047	0.094	0.141	0.188	0.235	0.282	0.329	0.376	12206	0.574	
48	Δu	0.017	0.034	0.052	0.086	0.172	0.344	0.516	0.688					5340	0.918	5.36
	Δc	0.007	0.014	0.021	0.034	0.069	0.138	0.206	0.275	0.344	0.413	0.481	0.550	10680	0.735	
54	Δu	0.027	0.054	0.081	0.135	0.270	0.541							4419	1.195	5.46
	Δc	0.010	0.019	0.029	0.048	0.096	0.192	0.288	0.385	0.481	0.577	0.673		9943	0.956	
60	Δu	0.041	0.082	0.123	0.204	0.408								3417	1.395	5.51
	Δc	0.013	0.026	0.039	0.065	0.131	0.261	0.392	0.523	0.653				8544	1.116	
66	Δu	0.059	0.119	0.178	0.297	0.594								2824	1.676	5.55
	Δc	0.017	0.035	0.052	0.086	0.173	0.345	0.518	0.691					7767	1.341	
72	Δu	0.084	0.168	0.252	0.420									2374	1.992	5.56
	Δc	0.022	0.045	0.067	0.112	0.224	0.448	0.671						7120	1.593	
78	Δu	0.115	0.230	0.345	0.575									2022	2.324	5.59
	Δc	0.028	0.057	0.085	0.141	0.283	0.566	0.849						6572	1.860	
84	Δu	0.154	0.308	0.461										1744	2.682	5.62
	Δc	0.035	0.070	0.105	0.176	0.352	0.703							6103	2.145	
90	Δu	0.202	0.404	0.606										1519	3.068	5.64
	Δc	0.043	0.086	0.129	0.215	0.431								5696	2.454	
96	Δu	0.260	0.520											1335	3.472	5.67
	Δc	0.052	0.104	0.156	0.260	0.520								5340	2.777	
102	Δu	0.330	0.659											1182	3.897	5.70
	Δc	0.062	0.124	0.186	0.310	0.621								5026	3.119	



Series	Bar Width	Open Space	% Open Area	Approx Wt.	I-in⁴/ft. of Width	S-in³/ft. of Width
HD 6000	.60	.90	60	11.1	6.25	5.00
HD 5000	.60	.60	50	13.7	7.81	6.25
HD 4000	.60	.40	40	16.3	9.38	7.50

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.

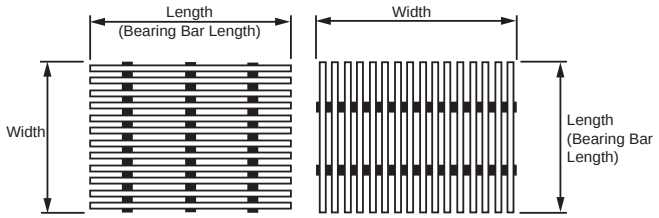
DURAGRID® Heavy Duty as manufactured by Strongwell–Chatfield Division, Chatfield, Minnesota. Grating panels shall be made of (1") (1-1/4") (1-1/2") (1-3/4") (2") (2-1/4") (2-1/2") deep pultruded (HD) bars.

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



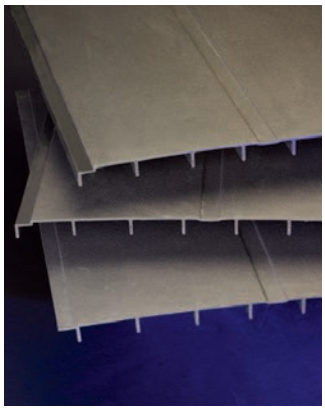
Panel Sizes Are Specified: Width x Length

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.

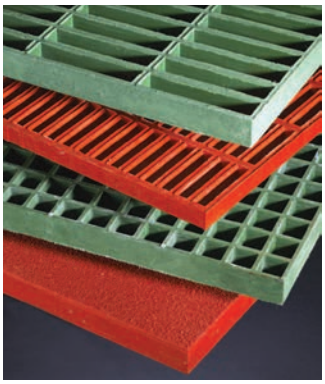
Options

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.

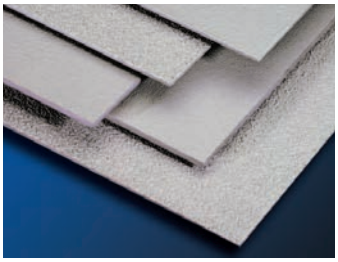


SAFDECK® is a high strength, one-piece, overlapping panel system. Low in conductivity and nonsparking, **SAFDECK®** provides safe walkways in numerous applications.



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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