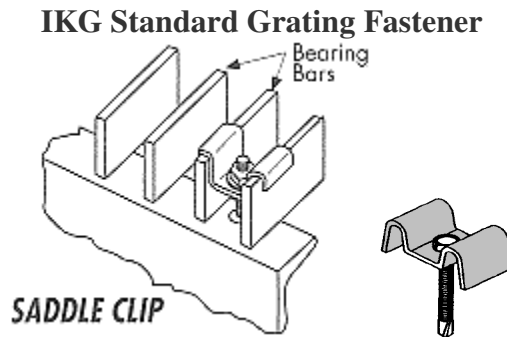


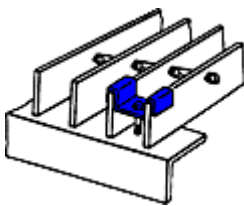
## IKG Bar Grating: Anchoring

All bar grating must be tightly fastened in place. Welding of the grating panels to the supporting members provides a superior, permanent installation. Although, for gratings that are subject to removal, they can be fastened with plate fasteners which are shop welded between the bearing bars and fastened with stud or bolt an alternative is also using the standard type B Saddle Clip as depicted below.



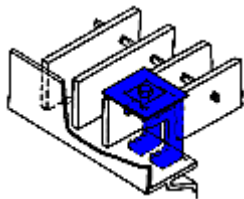
In areas where welding or drilling is not permitted, Grating Clamps can provide the fastening solution. These bar grating anchoring clips install on the top surface of the grating and create a friction connection with the flange supporting the panel. The narrow spacing of close mesh aluminum gratings allows for countersinking of the bearing bars and fastening with flat head screws,

### Available Anchoring/Fastener Solutions For Bar Grating:



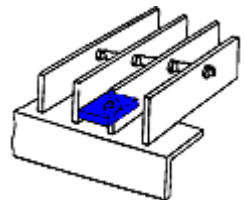
**Saddle Clip:**

A special bent-clip type bar grating fastener for removable bar grating panels available in aluminum, stainless steel, and galvanized steel. Clips are supplied by request and do not come automatically with grating order. Other fastening accessories to be provided by others. Note: Cross bars may need to be snipped in the field to facilitate placement of saddle clips.



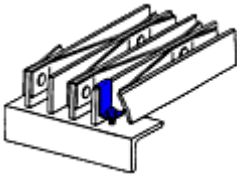
**G-Clip:**

A special friction fastener available in aluminum, stainless steel, and galvanized steel used in conjunction with bar grating and embedded grating frames. (Note: Cross bars may need to be snipped in the field to facilitate placement of bar grating clamps.)



**Anchor Block:**

Anchor blocks of 1/4" or 3/16" thick aluminum or steel may be shop welded by the grating manufacturer and used to fasten permanent or removable grating panels. Anchor blocks are recessed thus offering a trip-free surface.

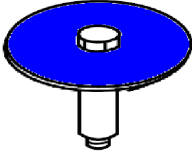


**Z Clip:**

The most versatile clip anchor available is the Z Clip. These clips are especially helpful in holding down riveted grating. Z Clips are manufactured from stainless steel and are available in 1" (1" and 1 1/4" grating) 1 1/2" (1 1/2" and 1 3/4" grating) and 2" (2", 2 1/4" and 2 1/2" grating) with a pre-punched hole to accept a 1/4" bolt or TEK screw (by others).

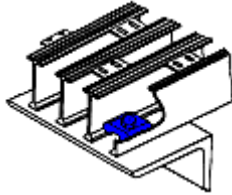
**Hilti Disk:**

For a wide range of grating fastening applications (e.g. oil and gas installations, offshore and ship building, industrial construction, steel industry, other public facilities, etc.



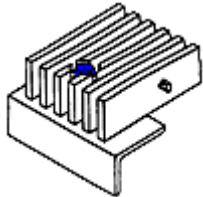
**Plank Lug :**

A plank lug inserted and tack welded between flanges can serve as an anchor block for plank grating. TEK screw fastener by others.



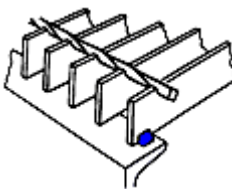
**Countersunk Land:**

For close-mesh aluminum grating (7/16" bearing bar centers) a countersunk land may be drilled by the grating manufacturer for use with a 1/4" diameter TEK screw (by others).

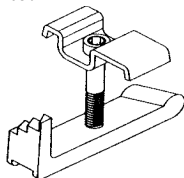


**Tack Weld:**

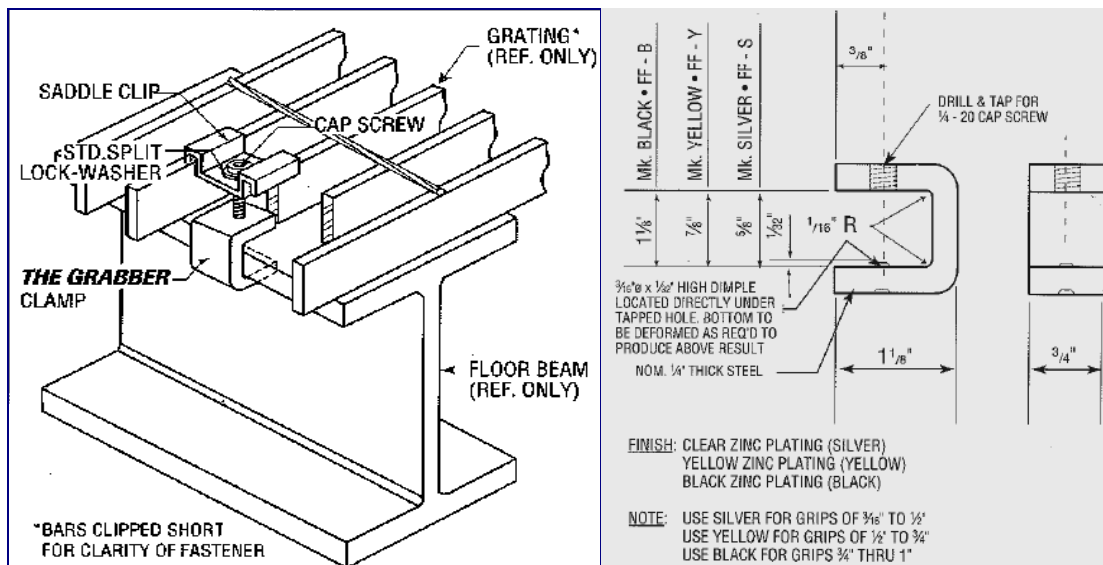
A positive method for anchoring all permanently installed grating. Welding is done in the field (Not by IKG Industries)



**Grate-Fast Fastener:** Grate-Fast enables rapid and secure connection of open grate flooring to steel sections. Grating can be secured by one man only, working from above, without the need to drill the steel, or weld on site.



## The Grabber



Now there's a fastener specially designed for grating that is kind to the finish on the supports. Created by IKG, America's leading grating manufacturer, **The Grabber** features a high-strength, yet non-aggressive grip that locks grating panels in place with virtually no damage to whatever finish may already be on the floor beams, weather galvanizing or paint. There is no heat, as with welding, and no sharp teeth as are found on other clamps, to damage the surface of the beams. Instead, a small raised dimple applies concentrated friction pressure to keep the clamp in place without destroying the finish on the support.

### Economical to use

**The Grabber** itself is economically priced but the savings don't end here. You also save the cost of the skilled labor that would be required for welding, as well as the painting that necessarily follows.

### Easy installation

There is no easier way to fasten grating in place. **The Grabber** is shipped pre-assembled, ready for use and is installed completely from the top surface of the grating. After positioning grating panels in their final location, workers simply place the clip portion of **The Grabber** across two bearing bars at the spot where the panel is to be fastened, slide it so that the "C" portion of the clamp goes around the top flange of the floor beam, and tighten the cap screw with an Allen wrench.

### Strong

All components of **The Grabber** have been tested and are rated to withstand 600 lb maximum force.

### Easy panel removal

In most structures, some grating stays in place permanently, while other panels are removed temporarily from time to time for access and then re-installed. The problem when designing a new structure is that it is not always clear which panels will eventually need to be removed, and which won't. By fastening all the grating with *The Grabber* it doesn't matter. Any panel is easily removed and put back in place later.

### Fits most common floor beam sizes.

Two different grip ranges re designed to fit flange thicknesses ranging from 3/16" to 3/4". Sizes are color coded for easy product selection on the job.

Note: *The Grabber* can be used with grating made by either the welded or pressure locked method but will only fit grating with bearing bars at 1 3/16" on center, with a minimum depth of 1".

Parts Selection Table

Grip	Grating Depth	Assembly Mark	Clamp Color	Screw Part No.	Screw Length
3/16" to 1/2"	1"	FFY-100-S	Silver	BH 25075	3/4"
1/2" to 3/4"	1"	FFY-100-Y	Yellow	BH 25075	3/4"
3/4" to 1"	1"	FFY-100-B	Black	BH 25075	3/4"
3/16" to 1/2"	1 1/4"	FFY-125-S	Silver	SH 25075	3/4"
1/2" to 3/4"	1 1/4"	FFY-125-Y	Yellow	SH 25075	3/4"
3/4" to 1"	1 1/4"	FFY-125-B	Black	SH 25075	3/4"
3/16" to 1/2"	1 1/2"	FFY-150-S	Silver	SH 25100	1"
1/2" to 3/4"	1 1/2"	FFY-150-Y	Yellow	SH 25100	1"
3/4" to 1"	1 1/2"	FFY-150-B	Black	SH 25100	1"
3/16" to 1/2"	1 3/4"	FFY-175-S	Silver	SH 25125	1 1/4"
1/2" to 3/4"	1 3/4"	FFY-175-Y	Yellow	SH 25125	1 1/4"
3/4" to 1"	1 3/4"	FFY-175-B	Black	SH 25125	1 1/4"
3/16" to 1/2"	2"	FFY-200-S	Silver	SH 25150	1 1/2"
1/2" to 3/4"	2"	FFY-200-Y	Yellow	SH 25150	1 1/2"
3/4" to 1"	2"	FFY-200-B	Black	SH 25150	1 1/2"
3/16" to 1/2"	2 1/4"	FFY-225-S	Silver	SH 25175	1 3/4"
1/2" to 3/4"	2 1/4"	FFY-225-Y	Yellow	SH 25175	1 3/4"
3/4" to 1"	2 1/4"	FFY-225-B	Black	SH 25175	1 3/4"
3/16" to 1/2"	2 1/2"	FFY-250-S	Silver	SH 25200	2"
1/2" to 3/4"	2 1/2"	FFY-250-Y	Yellow	SH 25200	2"
3/4" to 1"	2 1/2"	FFY-250-B	Black	SH 25200	2"

## Special Plank Fastener – Type 50

Application – Type 50 fasteners are used with punched plank, where access to tighten screw is permitted through the punched opening in the plank surface. The type 50 fasteners is especially designed to be used with the plank frames IKG supplies. No special tools are required other than a simple screwdriver. These fasteners cannot be used with unpunched plank. A special fastener – (Type50S) which must be installed from underneath may be used for unpunched plank.

