

KVA International  
P.O. Box 372, PC 322  
Falaj al Qabail  
Sohar, Sultanate of Oman

T +968.9136.1454  
E [intrepid@kva-international.com](mailto:intrepid@kva-international.com)  
W [www.kva-international.com](http://www.kva-international.com)



**KVA INTERNATIONAL**

## TOEBOARD LINKS (T5)



**T5-J**



**T5-L**

### FEATURES

- Neatly enclose field cut penetrations
- Great for rework
- Eliminates the need to weld banding or split oversize pipe
- Faster on fiberglass grating
- Uniform, finished appearance

### INSTALLATION

- No hot work permit required
- No scaffolding required
- Installs from the top-side of grating
- Sandwich grating between hardware and T5
- Easy to install
- Just as fast and easy to remove

### WIDESPREAD SUCCESS

- Proven design has been successfully used for over 20 years
- Specified by many multi-national industrial companies
- Recommended & used by many engineering & construction firms

### MATERIAL STRENGTH & WEATHERABILITY

- Excellent outdoor weatherability
- In sunlight, material will surface discolor but not degrade
- No loss of tensile strength after 9 months in Arizona and Florida UV-exposure tests

### BENEFITS

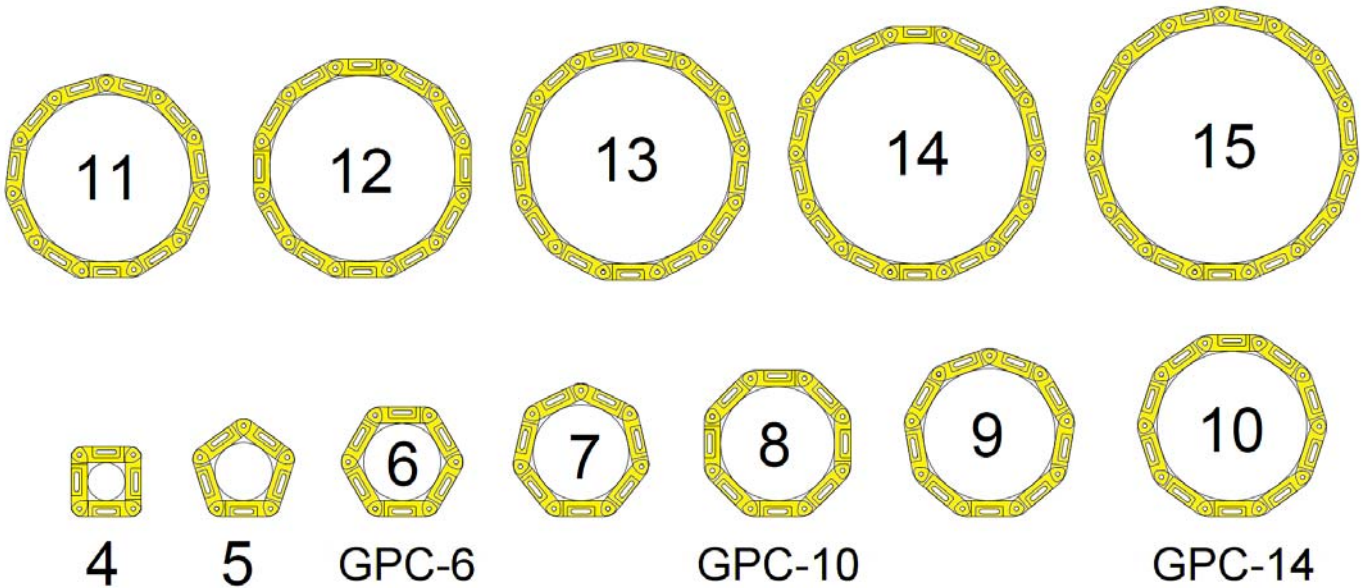
- Safe & effective
- Maintenance free
- Long service life
- Proven design
- Provides the protection you want
- Economical

### CONSTRUCTION

- All molded parts are made from a strong, rigid, UV-resistant polyurethane
- Non-corrosive
- Molded parts colored throughout with safety yellow
- Supplied with galvanized hardware  
2 Types – J-Bolt (T5-J) or Locking Bar (T5-L)

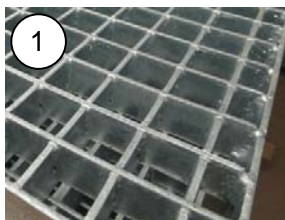
## T5 LAYOUT & GRATING SPECIFICATION

### One Link (T5) To Encircle All Pipe Sizes

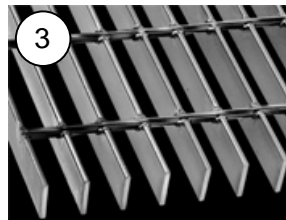


**T5-J Two Hardware Styles For Most Gratings**  
must use on 1 & 2  
can use on 3,4,5,or 6

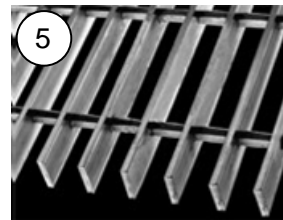
**T5-L**  
must use on 7 & 8  
can use on 3,4,5,or 6



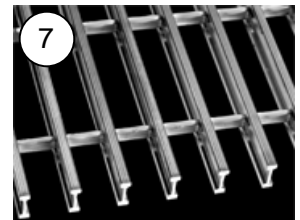
1  
Square Opening



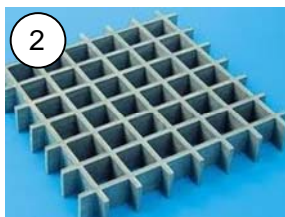
3  
Rectangular Opening



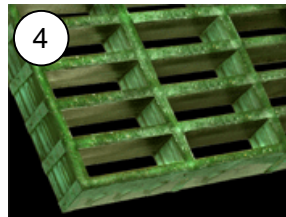
5  
Rectangular Opening



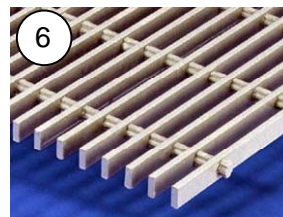
7  
I-bar Rectangular Opening



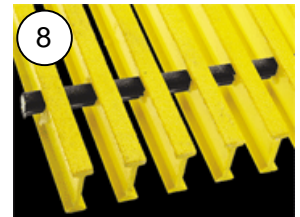
2



4



6



8

**Fast - Easy - Secure - Versatile - No Welding**

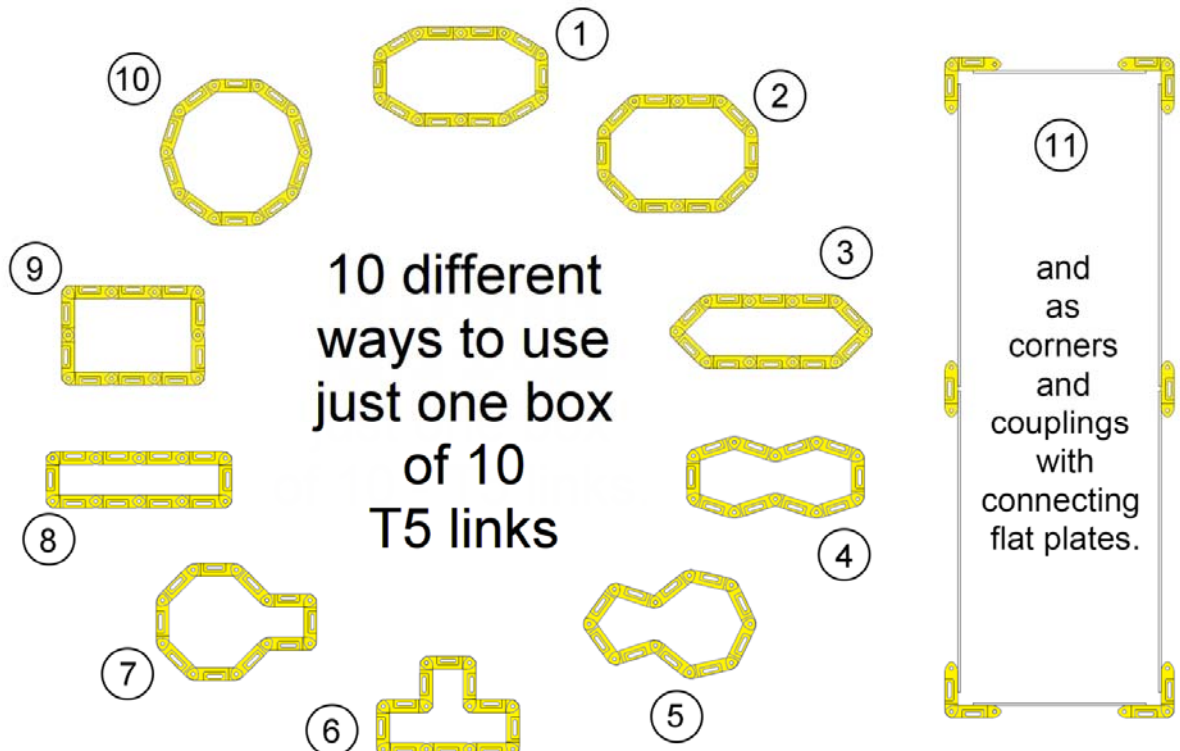
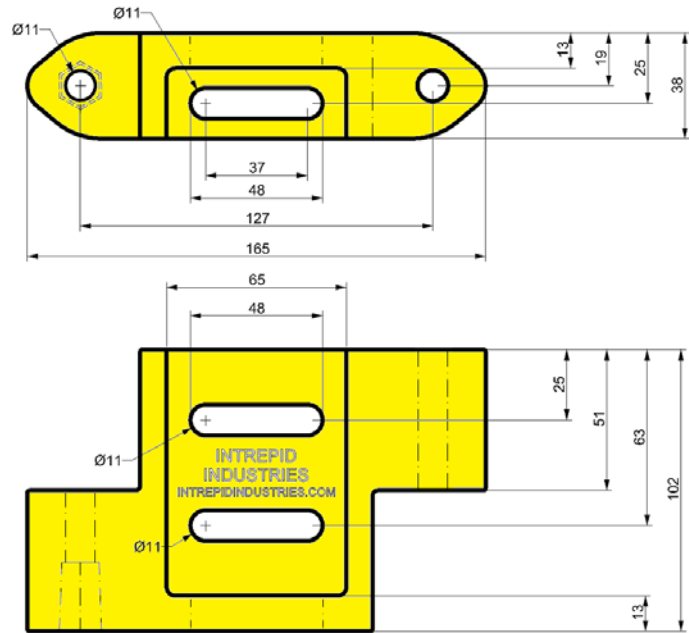


## T5 DIMENSIONS & LAYOUTS

| Number of T5 | Max. Inside Circle [mm] |
|--------------|-------------------------|
| 4            | 90                      |
| 5            | 135                     |
| 6            | 180                     |
| 7            | 220                     |
| 8            | 265                     |
| 9            | 310                     |
| 10           | 350                     |
| 11           | 395                     |
| 12           | 425                     |
| 13           | 475                     |
| 14           | 520                     |
| 15           | 560                     |

To Calculate T5 Links Needed For Larger Circular Enclosures

Round Up  
The Result Of

$$\frac{3.14 \times (\text{Diam.} + 40)}{127}$$


Just think what you can do with a larger box of 40 !



## T5 INSTALLATION

### TYPICAL INSTALLATION OF T5-J (J-Bolt)



Layout the T5 pieces around the pipe penetration, and insert the 3/8" x 3 1/2" long bolts through the connecting holes. Thread them, but do not tighten.



Drop J-bolts in the slots located on the bottom of each T5 piece. Catch one of the grating bars with the J-bolt and tighten. Do this for all T5 pieces.



Once all the J-bolts are securely fastened, tighten each of the 3/8" x 3 1/2" bolts in the connecting holes.

