

# GROUND EQUIPMENT



**REGBAR**  
CONSTRUCTION TECHNOLOGY SOLUTIONS

**TIEROD**

## GROUND EQUIPMENT

### TIEROD

#### PROPERTIES

##### Advantages:

- ▶ Weightless mounting with high strength and low cost
- ▶ Maximum continuous versatile gear system
- ▶ Bidirectional (Right and left mounting)
- ▶ Specific corrosion protection for aggressive environments
- ▶ Stocking in different sizes



#### TIE ROD - TIE BACK – TAYROT SYSTEMS

Regbar offers its customers a wide range of sizes and steel grades for Tie Rod System Assemblies. These can be integrated into **Regbar Sheet Pile or Combination Wall** or other retaining walls without any problem. Corrosion protection options are also available. Regbar can offer the customer a complete design feature in accordance with the project requirements.

Tie-Rot (rod-shaft) is a tensioning shaft system used to prevent mold opening in curtain and column molds. Reduces risk in mold construction, improves strength and reliability.

It has spheroidal casting nuts at both ends and optional mirrors (washer) are available.



#### Detail

The Tie-Rod Marine system sections used in maritime, berthing facilities, barge and ship piers and also offshore platforms.

Designed for length adjustment or bar connection after cutting for use in environments of challenging handling.

#### HEADQUARTERS

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#### PLANT

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### Corrosion Protection Options

- ▶ Double Corrosion Protection (DCP)
- ▶ Hot-dip galvanizing
- ▶ Epoxy Coating
- ▶ Band coating



Product Code	Bar Sizes	Coating	Length of Bolt mm	Strength Detail F [Kn]	Nut Size	Dome Nut SW x L x d [mm]	Plate a x t x d [mm]	Coupler d x L [mm]
	Q [mm]							
TIEROD 17	17	HDG	6000	15-17 Tons	17 x 80		200*200*10	17 x 120
TIEROD 20	20	HDG	6000	17-19 Tons	20 x 80		200*200*12	20 x 130
TIEROD 24	24	HDG	6000	18-30 Tons	24 x 80	27 x 33 x 35	200*200*20	24 x 140

Regbar receives your project requirements and helps you design and determine an optimized solution.

In the bar product range, three carbon steel grades up to 700 Mpa yield stress and up to twenty four rods / gear diameters up to M 162 provide a match close to material performance requirements and economic use.

Standard anchorage components and sequential rod connectors for easy installation to all types of seawalls.

Corrosion Protection Options are available.

Design references: BS EN 1993-5, ANSI / AISC 360-05, AS 4100

Regbar Construction  
Technology



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