

GROUND EQUIPMENT



REGBAR
CONSTRUCTION TECHNOLOGY SOLUTIONS

NEW GENERATION ANCHOR

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Properties

Hybrid Anchor Systems

We offer fast and precise anchorage solutions to your connections with the new generation Hybrid Anchor systems. Our easily applicable product is designed and produced to ensure material strength and quality against natural disasters.

Hybrid Anchor System is a simple, reliable and cost effective ground anchorage solution. Due to its specially designed duck mouth structure, it is easy to install quickly.



Anchorage systems are designed to meet or exceed major international building codes and Department of Transportation requirements, including:

ACI 318 Type 1
(125% Specified Yield)

AS3600

ASTM F 432-95

Turkish Seismic Code 2018

ACI 318 Type 2
(Specified Ultimate)

Eurocode 2

GOST 34278

US Army Corps of Engineers

Detail

HYBRID EXPANSION BOLTS

Regbar Hybrid Expansion Bolts is a unique combination rock bolt system. It offers the combined advantages of anchoring and tensioning a fully filled rock bolt at the same time. 3 Options are possible to use for this system (120 / 160 / 240 Kn)



HEADQUARTERS

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PLANT

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RUSSIA BRANCH

Lesnaya Plaza 4, 4th Lesnoy
Pereulok No: 24/8 125047
Moscow / RUSSIA



HYBRID EXPANSION BOLTS

Product Code	Minimum Breaking load Capacity	Profile Diameter [mm]	Length of Bolt G[kg/m]	Type	Thickness	Tube Diameter [mm]	Expansion Pressure (bar)
	F [kn]				[mm]		
RCHEB12	120	28	0,89	Hybrid Expansion Bolts systems High-strength reinforcement Geotechnical Rods	2	41	300
RCHEB16	160	36	1,21		2	54	240
RCHEB24	240	37	1,58		3	54	300

SPLIT FRICTION BOLTS

Regbar Split Friction Bolts are designed to be used in the tunnels and minings, especially in the machine, wall or rocks. Our products are high Standard and manufactured from the cold-rolled" steel in accordance with the standards of ASTM, A 108 1



Product Code	Load Capacity	Domed plate [mm]	Type	Thickness	Tube Diameter [mm]	Weight (kg/m)
	F [kn]			[mm]		
RCSFB33	80	(150 x 150 x 4)	Split Friction Bolt systems High-strength reinforcement Geotechnical Rods	2	33	1,4
RCHEB39	100	(150 x 150 x 4)		2,5	39	2,16
RCHEB46	150	(150 x 150 x 4)		3	46	2,83

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GFRP FIBER ROCK BOLT

Regbar Fiberglass Composite Rockbolts (FRP Composite Rockbolt) is a composite reinforcement used instead of corroded classic steel reinforcements. It has higher strength than steel, lighter, tested and approved. It can be used in many fields.

Main advantages:

Corrosion Resistance ,Robustness,Durabilit,Easy placement & Easy cutting,Electromagnetic neutrality,Lightness Greater tensile strength than steel,Transparent to magnetic fields and radio frequencies,Electrically and thermally non-conductive, Chloride ion and chemical attack impermeable



MACRO & MICRO SYNTHETIC FIBER

Synthetic macro fibers, which are able to be used as a primary reinforcing in the concrete Polymer based, inert and does not corrode Provides structural resistance instead of the steel mesh or the steel wire Provides crack-resistance and carries load with two different materials in its component Long-life thanks to its synthetic structure



Regbar Construction
Technology



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