

MEGABolt - GFRP

Glass Fiber Reinforced Plastic



Description



The **MEGABolt-GFRP SDA Bolt** can realize fast drilling and installation due to its unique function which integrates drilling, grouting and anchoring as a whole. The centre hole allows flushing with water during drilling and the execution of anchor grouting.

The GFRP SDA Bolt can be used in soft rock or clay soil, for the reinforcement of the face of the tunnel or for slope stabilization. Furthermore, the cuttability protects the machinery by avoiding obstructions while drifting or enlarging tunnels.

The length is flexible due to cuttability and connection by couplings.

Applications

The basic application of MEGABolt GFRP is for use in soil conditions where there is a risk of the drill hole collapsing due to pulling out of drill bit, as in the classical anchor installation process. The MEGABolt system is suitable for a variety of different rock conditions and our drill bits are available in various diameters.

The MEGABolt SDA system can be deployed for various simultaneous drilling and grouting purposes including:

- ❖ Face stabilization
- ❖ Forepoling
- ❖ Slope stabilization
- ❖ Ground support in soft rock
- ❖ Roof and wall bolting

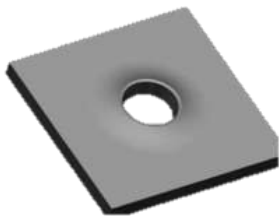
Advantages

- ❖ Permanent Application
- ❖ Super high torque resistance
- ❖ High end loading
- ❖ Easy handling
- ❖ R25/R28/R32/R38

Technical Specifications

		H25S	H28S	H32S	H38S
	Units				
Outer Diameter	mm	25	28	32	38
Internal Diameter	mm	12	14	15	20
Cross-Sectional Area	(mm ²)*2	250	310	400	540
Guaranteed Tensile Load	kN	220	280	360	490
Tensile E-Modulus	GPa	45	45	45	45
End Load Thread Street Nut L = 70mm	mm	140	150	180	220
End Load Thread GFRP Nut L = 70mm	Mm	70	80	90	90
Torsion Strength	Nm	180	250	360	450
Ultimate Strain	%	2.00%			
Weight (kg/m)	Kg/m	0.63	0.86	0.99	1.33
Thread Type		R25	R28	R32	R38
Fiber content by weight	%	75			

Accessories (*other types available as requested)



STEEL PLATE



STEEL GFRP COUPLER



STEEL NUT



GFRP NUT



GFRP PLATE