

SPLIT SET BOLT

Product Description

The Split Set bolt is a slotted steel tube with a tapered end to facilitate insertion into the drilled borehole. One end features a welded ring designed to hold the bearing plate. It becomes active immediately upon installation, exerting radial pressure along its entire length, significantly increasing the stability of the rock mass.

This bolt is ideal as a reinforcement element in underground excavations for temporary ground support. It can be supplied with a hot-dip galvanized zinc coating, in accordance with ASTM A123 or ASTM A153 (centrifugal method).

Advantages

- ❖ Easy installation with mesh support systems
- ❖ No torque or chemical additives required
- ❖ Low cost solution
- ❖ Provides immediate reinforcement after installation



Chemical Composition and Mechanical Properties of the Bolt Body Steel

Standar Grade	Carbon (C) % Max.	Manganese (Mn) % Max.	Phosphorus (P) % Max.	Sulfur (S) % Max.	Silicon (Si) % Max.	Minimum Yield Strength (MPa)	Tensile Strength (MPa)	Elongation (%)
EN 10149-2 S500MC	0.12	1.70	0.025	0.015	0.50	500	550 - 700	12 - 14

Technical Specifications – Black and Galvanized Steel Versions

Anchoring Capacity (Ton/ft)	Tube Thickness (mm)	Outer Diameter (mm)	Recommended Borehole Diameter (mm)	Galvanizing Standard	Coating Thickness	Procedure
1.0 a 1.2	2.3 a 2.5	40.0	36.0 – 38.0	ASTM A123 o ASTM A153	70	Galvanizado en Caliente

Steel Plate

Our plate is used to anchor the bolt to the ground and properly distribute the applied load. It is manufactured with a dome shape and made from ASTM A1011 structural steel.

Commercial Presentation

Our bolts are available in various lengths, typically ranging from 1 to 10 feet, and are shipped in packs of 200 units, each properly labeled with production data and according to customer specifications.

