SANDVIK

300SQ Plastic/Steel Plate

Product code: PPSQ300BRESP
Product specification: Enclosed Steel Plate
Category: Surface Support - Plates

Introduction

The 300SQ Plastic/Steel Plate is a uniquely designed enclosed steel plate designed for underground applications. Specifically design for coal rib support applications where cuttable support is required as well as the strength of a steel dome plate. The enclosed steel plate then provides a “tramp iron” element for magnetic separator systems. The 300SQ Plastic/Steel features a 4mm steel plate encased within a high-density polyethylene body for enhanced strength and compatibility with fiberglass dowels and bolting rig magnetic holders. The plate can also be effectively used with the Sandvik Onestep bolt in longwall bolt ups to ensure the longwall recovery mat is not cut by a steel dome plate. The versatility of this plate is also demonstrated by the fact it can also be used in underground hard rock space in face meshing applications when fibreglass mesh and bolts are used.



Key features

- Designed for rib surface support in applications where the support may be cut during extraction.
- The 4mm steel plate encased within the main body provides significantly increased strength compared to standard plastic plates.
- Compatible with improved fibreglass dowels for enhanced performance.
- Steel inserts enable use with bolting rig magnetic holders.
- Rounded corners helps reduce the risk of conveyor belt damage.
- Store in shaded area; avoid direct sunlight.

Product Code Guide

Brand	Diameter	Colour	Profile
PP	300mm	Black	SQ

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Physical Properties

	Typical
External dimension	300mm x 300mm
Hole Diameter	49mm
Weight	1.3kg
Steel Plate Dimenions	150mm Square 4mm thick
Ulimate Strength	90kN over 110mm hole
Colour	Black
Material	High Density Polyethylene

Installation/ applications

Must be installed with flat surface side against the strata for full strength

Notes

Only Sandvik Ground Support rock bolt components should be used to enable the optimum performance of the bolt system to be obtained

Packaging

Store away from direct sunlight

Product range and accessories

Typically, products used

Product Group	Resin	Dowel
Product Imagery		
Product Code Prefix	RO,RL,RQ	FGD

Phone app

Want to know more; our full product range, knowledge centre, and other details are available via the App; available on iOS and Android devices by searching “Ground Support”.

GrSu

iOS

Android

Legal disclaimer

All dimensions, weights, quantities, and specifications are those applicable at the time of this publication and may be amended from time to time. Please contact your local representative for final confirmation of any key specifications.

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