



GROUTING – RESIN ANCHORS

Product Code Prefix

FASLOC® SINGLE SPEED OIL BASED RESIN ANCHOR

RO-1

Product Code Guide	Designator	Length	Diameter	Speed
	RO	500	24	F

Key Features

The FASLOC® Single Speed resin anchor is a two-part mastic and oil-based catalyst, pre-packaged into a single cartridge at a ratio of 11:1.

Bolt rotation during installation ruptures and shreds the resin cartridge enabling the two key components to mix and create a chemical reaction transforming the resin into a solid anchor.

Performance Testing

Pull Out Test

Measured using slow set resin, 300mm encapsulation in 60MPa grout using 21.7mm core diameter high tensile grade bolts in a 28mm diameter hole.

Age	Load
Hrs	kN
24	210

Punch Shear Test

Measured according to BS2782 (Part 3), with slow set resin. Typical results:

Age	Shear Strength
Hrs	MPa
24	> 22

Resin Installation Times

Resin Speed	Spin Time*	Hold Times*
	sec	sec
Extra Fast	8	4
Fast	10	4
Medium	15	> 4
Slow	20	> 70
Extra Slow	20	> 1,200

*Target times given for 25°, variations can occur with temperature differences, drill speeds, strata conditions, bolt profile, hole diameter, annulus and other effects.

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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 DSI Underground representative for final confirmation of any key specifications.



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Shelf Life

Suggested shelf life is 6 months when stored below 25°. Storage at lower temperature is recommended along with careful stock rotation based on use-by date.

Standard Lengths & Packaging

- Standard cartridge diameters include 24mm and 36mm
- Typical cartridge lengths include 330, 440, 500, 600, 650, 880, 1000, 1,200 and 1,300mm.
- Resin cartridge parachute style retainers and cardboard tubes are available as in box accessories.

Notes

- DSI Underground Mining Products Division is Quality Assured to ISO 9001:2015.
- For the full range refer to our product catalogue on our App; available on iOS and Android devices by searching “DSI Underground”.

Product Accessories Examples

- DSI Underground manufactures a comprehensive range of products specifically designed for this range of Resin.

Typically, Products used are:

	Products		
Product Group	Plates	Plates	Bolts
Product Imagery			
Product Code Prefix	OCP	STP	AKH

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 “DSI Underground”.



iOS



Android