

# TROJAN® TWINPLEX®

## Cast Boosters

Technical  
Information



### Description

TROJAN® TWINPLEX® cast boosters are detonator sensitive, high density, high energy molecular explosives. TROJAN TWINPLEX cast boosters are designed with two (2) detonator wells and an enlarged through-tunnel to accommodate the use of two (2) detonators where required. TROJAN TWINPLEX cast boosters are formulated from the highest quality PETN and other high explosive materials ensuring reliability, consistency and durability in all blasting environments.

The fluorescent green container makes the TROJAN TWINPLEX booster more visible on the blast site and reduces the possibility of misplaced charges.

### Features and Benefits

The explosive composition achieves high detonation pressure and provides excellent priming efficiency.

The TROJAN TWINPLEX Cast Booster will accept NONEL®, DigiShot® Plus and SmartShot® electronic detonators.

Each detonator well is designed with a detonator retaining device.

### Properties

Nominal Density (g/cc)	1.60
Velocity (m/sec)	7,550
Detonation Pressure (Kbars)	235
Water Resistance	6 months with no loss of sensitivity
Shelf Life Maximum	5 years (from date of production)
Maximum Water Depth (m)	90
Maximum Usage Temperature	70°C

### Hazardous Shipping Description

Boosters, 1.1D UN 0042 PG II



### Packaging

Unit Weight / Net Explosive Content (NEC)	Unit Dimensions		Case Quantity	Net Weight / Case	Case Dimension
	Length	Diameter			
(g)	(cm)	(cm)		(kg)	(cm)
450	11.7	5.7	18	8.1	42 x 33 x 14

Note : All weights are approximate

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### Application Recommendations

- **ALWAYS** use detonator(s) only with TROJAN TWINPLEX cast boosters.
- **NEVER** use detonating cord with TROJAN TWINPLEX cast boosters. The through tunnel has been widened to accommodate two detonators, where required. Use of detonating cord may cause misfires, which may kill or injure.
- **NEVER** force the detonator into the through-tunnel, the detonator-well or otherwise attempt to clear these areas if obstructed. If the through-tunnel or detonator-well does not accommodate the detonator, do not use the cast booster. Notify your Dyno Nobel representative.
- **NEVER** use TROJAN Spartan boosters when in-hole temperatures exceed 70°C.

**Use** - The detonator is inserted through the larger tunnel over the curved recess and into the cap well.

**Priming** – For reliable initiation a minimum number 8 strength detonator is required.

**Water Resistance** – The TROJAN TWINPLEX Cast Booster exhibits excellent resistance to water.

### Safe Handling, Transportation & Storage

**First Aid** - Detailed first aid information regarding this product is contained on the relevant Dyno Nobel Safety Data Sheet.

**Safety** - All explosives are classified as dangerous goods and can cause personal injury and damage to property if used incorrectly.

**Transportation and Storage** - All explosives must be handled, transported and stored in accordance with all relevant regulations. Stock should be rotated such that older product is used first.

**Product Disclaimer** The explosive products discussed in this document should only be handled by persons with the appropriate technical skills, training and licences. While Dyno Nobel has made every effort to ensure the information in this document is correct, every user is responsible for understanding the safe and correct use of the products. If you need specific technical advice or have any questions, you should contact your Dyno Nobel representative. This information is provided without any warranty, express or implied, regarding its correctness or accuracy and, to the maximum extent permitted by law, Dyno Nobel expressly disclaims any and all liability arising from the use of this document or the information contained herein. It is solely the responsibility of the user to make enquiries, obtain advice and determine the safe conditions for use of the products referred to herein and the user assumes liability for any loss, damage, expense or cost resulting from such use. © DYNO, GROUNDBREAKING PERFORMANCE, TROJAN, TWINPLEX, NONEL and the Initiation Systems loop device are registered trademarks of the Dyno Nobel / Incitec Pivot Group. DIGISHOT SMARTSHOT is a registered trademark of DetNet South Africa (Pty) Limited © Dyno Nobel Asia Pacific Pty Limited 2018. Reproduction without permission strictly prohibited.