

TROJAN® STINGER®

Technical
Information



Superprime® Cast Booster



Product Description

TROJAN STINGER Superprime cast boosters are detonator sensitive, high density, high energy molecular explosives specially designed for use in small diameter boreholes. They are particularly suited for use in underground blasting operations. Most commercially available electric and nonelectric detonators will fit into the molded plastic capwell. TROJAN STINGER cast boosters are manufactured using a homogeneous mixture of pure pentolite for superior performance, reliability, consistency and durability.

Application Recommendations

- **ALWAYS** insert the detonator fully into the detonator-well so that the base of the detonator is against the bottom of the detonator-well.
- **ALWAYS** confirm that the TROJAN STINGER charge weight exceeds the initiation sensitivity requirement for the main explosive charge. Consult the explosives product literature or the manufacturer if you have any questions.
- **NEVER** force the detonator into the detonator-well or otherwise attempt to clear this area if obstructed. If the detonator-well does not accommodate the detonator, do not use the booster. Notify your Dyno Nobel representative.
- **NEVER** use the TROJAN STINGER if the detonator fits loosely or cannot be inserted fully into the detonator-well. The TROJAN STINGER is designed to be used with Dyno Nobel detonators. Detonators made by other manufacturers may not fit into the detonator-well.

Properties

SDS
#1108

Density (g/cc) Avg	1.60
Velocity (m/sec)	7,800
(ft/s)	25,600
Detonation Pressure (Kbars)	245
Water Resistance	6 months with no loss of sensitivity
Shelf Life Maximum	5 years (from date of production)
Maximum Usage Temperature	66°C (150°F)

All Dyno Nobel Inc. energy and gas volume values are calculated using PRODET™ the computer code developed by Dyno Nobel Inc. for its exclusive use. Other computer codes may give different values.

Hazardous Shipping Description

Boosters, 1.1D, UN 0042 PG II EX 2011010500



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Application Recommendations (continued)

- Minimum detonator is No. 8 strength for temperatures above -40° C (-40° F). A high strength detonator is recommended for temperatures below -40° C (-40° F).
- Extremely low temperatures do not affect the performance of cast boosters with commercial detonators. Low temperatures do affect detonators and detonating cord. Be certain your initiation system is suitable for your application in extremely low temperatures. Cast boosters are more susceptible to breakage during handling in extremely cold temperatures.

Transportation, Storage and Handling

- TROJAN cast boosters must be transported, stored, handled and used in conformity with all federal, state, provincial and local laws and regulations.
- For maximum shelf life (5 years), TROJAN cast boosters must be stored in a cool, dry, well ventilated magazine. Explosive inventory should be rotated. Avoid using new materials before the old.

Packaging

Unit Weight		Unit Dimensions				Case Quantity	Gross Weight/ Case	
g	oz	Length		Diameter			kg	lbs
		cm	in	cm	in			
10	0.353	7.6	3.0	1.5	0.6	500	7.8	17.1
20	0.705	8.9	3.5	1.7	0.7	576	13.5	29.7

Note: All weights and dimensions are approximate.

Case Dimensions

10 gram	24 x 24 x 41 cm	9½ x 9½ x 16 in
20 gram	46 x 24 x 27 cm	18¼ x 9½ x 10½ in

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