

RED H[®]B

Permissible Extra Gelatin Nitroglycerin Dynamite



Product Description

RED HB is a Fume Class 1, extra gelatin dynamite formulated to meet the requirements of the Mine Safety and Health Administration for use in underground coal mines. RED HB is designed for use in difficult shooting situations such as hard rock and extremely wet conditions and is an excellent choice for permissible construction blasting applications such as shaft and slope work.

Application Recommendations

- This product is permissible only if used in accordance with the Code of Federal Regulations, 30 CFR part 75. These regulations are very detailed and all users should become fully familiar with their content.
- Minimum detonator for permissible application is a bronze shell No. 8 strength.
- Dynamites are susceptible to sympathetic detonation when applied in very wet conditions where boreholes are closely spaced and/or where geological conditions promote this effect. Consult your Dyno Nobel representative for recommendations where these conditions exist.

Technical Information



Properties

MSDS
#1019

Density (g/cc) Avg	1.34
Energy^a (cal/g)	947
(cal/cc)	1,364
Relative Weight Strength^a	1.08
Relative Bulk Strength^{a,b}	1.89
Velocity^c (m/s)	5,000
(ft/s)	16,400
Detonation Pressure^c (Kbars)	85
Water Resistance	Excellent
Gas Volume^a (moles/kg)	29
Fume Class^d	IME1 & NRCan1

^a 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.

^b ANFO = 1.00 @ 0.82 g/cc

^c Unconfined @ 32 mm (1¼ in) diameter

^d Approved by Natural Resources Canada as Fume Class 1.

Hazardous Shipping Description

Explosive, Blasting, Type A, 1.1D, UN 0081 II





Transportation, Storage and Handling

- RED HB must be transported, stored, handled and used in conformity with all applicable federal, state, provincial and local laws and regulations.
- For maximum shelf-life, dynamite must be stored in cool, dry and well-ventilated magazines. Dynamite inventory should always be rotated by using the oldest materials first. For recommended good practices in transporting, storing, handling and using this product, see the booklet "Prevention of Accidents in the Use of Explosive Materials" packed inside each case and the Safety Library Publications of the Institute of Makers of Explosives.

Diameter x Length		Qty / Case	Case Type	Nominal Case Weight	
mm	in			kg	lbs
29 x 200	1 1/8 x 8	100	DA	18	40
32 x 200	1 1/4 x 8	88	DA	20	45
40 x 200	1 1/2 x 8	60	**	**	**
45 x 200	1 3/4 x 8	40	**	**	**

** Available upon request.

- RED HB is available in a wide variety of sizes. Custom sizes are subject to surcharge and may require longer than usual lead times.
- Note: All weights are approximate.
- Check with your Dyno Nobel representative should you have any questions.

Case Dimensions

DA 45 x 34 x 17 cm 17³/₄ x 13³/₈ x 6³/₈ in

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