Nitrogylycerin Dynamite

Product Description
DYNOSPLIT is a specially formulated nitroglycerin dynamite packaged in rigid 600 mm (24 in) long paper cartridges available in either 19 or 22 mm (¾ or ⅞ in) diameters. A plastic or paper coupler, attached to one end, allows easy assembly into a continuous length. DYNOSPLIT is designed for pre-splitting or cushion blasting in surface operations and for smooth wall, contour or trim blasting underground.

Application Recommendations
• Minimum detonating cord is 5.3 g/m (25 gr/ft).
• Minimum detonator is No. 8 strength.
• Minimum temperature is -40°C (-40°F).
• Linear charge weight:
  D = 22 mm (⅞ in) diameter = 0.57 kg/m (0.38 lbs/ft)
  D1 = 22 mm (⅞ in) diameter = 0.42 kg/m (0.28 lbs/ft)

  • ALWAYS trace columns over 2 m (6 ft) long with detonating cord securely attached to each cartridge.
  • ALWAYS decouple the explosive charge when presplitting; that is, select larger borehole diameters to reduce borehole pressure. In surface applications, always stem to minimize air blast and plug the borehole above the explosive column to prevent stemming from filling the air/water space. In underground drifting applications, plug the borehole after the explosive column to prevent the explosive column from being ejected out of the borehole during detonation of the drift round.

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
d Unconfined @ 22 mm (⅞ in) diameter

- Hazardous Shipping Description
  Explosive, Blasting, Type A, 1.1D, UN 0081 II
Transportation, Storage and Handling

- DYNOSPLIT 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.

Decoupled Borehole Pressure (psi)

<table>
<thead>
<tr>
<th>Product Diameter (in)</th>
<th>Borehole Diameter (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1 ⅞</td>
</tr>
<tr>
<td>⅞&lt;sup&gt;a&lt;/sup&gt;</td>
<td>27,600</td>
</tr>
<tr>
<td>⅞&lt;sup&gt;b&lt;/sup&gt;</td>
<td>--</td>
</tr>
<tr>
<td>¾&lt;sup&gt;a&lt;/sup&gt;</td>
<td>9,576</td>
</tr>
<tr>
<td>¾&lt;sup&gt;b&lt;/sup&gt;</td>
<td>--</td>
</tr>
</tbody>
</table>

Diameter x Length | Linear Charge Weight | Qty / Case | Nominal Case Weight
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>mm  in</td>
<td>kg/m lbs/ft</td>
<td>kg lbs</td>
<td></td>
</tr>
<tr>
<td>22 x 600 ⅞ x 24</td>
<td>0.57 0.38</td>
<td>19.5 43.2</td>
<td></td>
</tr>
<tr>
<td>22 x 600 ⅞ x 24</td>
<td>0.42 0.28</td>
<td>19.5 34.8</td>
<td></td>
</tr>
</tbody>
</table>

* DYNOSPLIT alone.

<sup>b</sup> DYNOSPLIT with detonating cord trace along its length.

- Diameter as labeled is nominal inside diameter. Actual outside diameter is 20mm (0.79 in) for 19 mm (¾ in) and 23 mm (0.90) for 22 mm (⅞ in).
- Note: All weights are approximate.

Case Dimensions

67 x 35 x 12 cm
26 ½ x 13 ¾ x 4 ¼ in

Product Disclaimer  Dyno Nobel Inc. and its subsidiaries disclaim any warranties with respect to this product, the safety or suitability thereof, or the results to be obtained, whether express or implied, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND/OR OTHER WARRANTY. Buyers and users assume all risk, responsibility and liability whatsoever from any and all injuries (including death), losses, or damages to persons or property arising from the use of this product. Under no circumstances shall Dyno Nobel Inc. or any of its subsidiaries be liable for special, consequential or incidental damages or for anticipated loss of profits.