

**Surface Drill and Blast Product Overview** 





## 1 MALE/FEMALE END THREAD FORMS

Eliminates conventional coupling to allow quick, automated subtractions and additions to the drill string

### 2 TREATED MALE AND FEMALE ENDS

High wear resistance and durability

## 3 PREMIUM MID-BODY STEEL

Designed for air flushing and optimal rod compliance, the mid-body's structure is strong and durable with efficient energy transfer

# 4 WIDE RANGE OF SIZES AND THREAD FORMS

Selected to cover multiple project specific needs

# LIGHTNING ROD™ SERIES

### **Fast Productivity**

Boart Longyear has built its reputation by providing innovative Rock Drill and Blast products for specific customer needs. The introduction of our Lightning Rod™ Series for the Surface Drill and Blast percussive market continues this tradition. In response to industry demands, the Lightning Rod Series provides a quick-change male/female rod with high-durability and air flushing. These rods are designed specifically for the surface drill and blast market by focusing on the quick-change properties of male/female configurations and fully treated end-form with a premium steel mid-body. This creates easy coupling and uncoupling, carousel storage and loading, and air flushing. The result is higher productivity and improved efficiency.

### **Strength Where It Counts**

The Lightning Rod Series of Surface Drill and Blast Products utilizes high-strength steel coupled with high-wear resistant ends. The male and female end forms are fully treated to provide market-leading wear resistance during both the drilling process as well as coupling and uncoupling events. Galling, chipping, and surface damage are minimized. The mid-body is comprised of premium steel that has been optimized for maximum air flushing. The Lightning Rod Series also delivers optimum rod compliance for the full range of ground conditions.

### **Quick to Change**

The design configuration of the Lightning Rod Series is a male/female layout that requires no additional coupling. This allows for faster additions or removals to the drill string. The absence of a traditional coupling and optimal geometry is designed for use in top-hammer rod carousel storage and loaders. A wide range of diameters from 33 mm to 60 mm, and lengths from 8 ft to 14 ft provides customers the right size combination for specific project needs.



# ROD SIZES AVAILABLE

| Size                 | Length | Thread Type | Wrench Flats | Part Numbers |
|----------------------|--------|-------------|--------------|--------------|
| Round 33 mm<br>(33R) | 8      | R32         | No           | 210181       |
|                      | 10     | R32         | Yes          | 210182       |
|                      | 12     | R32         | No           | 210183       |
|                      | 14     | R32         | No           | 210184       |
|                      | 16     | R32         |              | *TBA         |
| Round 39 mm<br>(39R) | 8      | R38         | Yes          | 210185       |
|                      | 10     | R38         | Yes          | 210186       |
|                      | 12     | R38         | Yes          | 210187       |
|                      | 14     | R38         | No           | 210188       |
|                      | 16     | R38         |              | *TBA         |
| Round 39 mm<br>(39R) | 8      | HM38        | No           | 210189       |
|                      | 10     | HM38        | No           | 210190       |
|                      | 12     | HM38        | Yes          | 210191       |
|                      | 14     | HM38        | Yes          | 210192       |
|                      | 16     | HM38        |              | *TBA         |
| Round 46 mm<br>(46R) | 10     | HM45        | Yes          | 210193       |
|                      | 12     | HM45        | No           | 210194       |
|                      | 14     | HM45        | No           | 210195       |
|                      | 16     | HM45        |              | *TBA         |
|                      | 18     | HM45        | No           | *TBA         |
|                      | 20     | HM45        | No           | *TBA         |
| Round 52 mm<br>(52R) | 12     | HM51        | Yes          | 210196       |
|                      | 14     | HM51        | Yes          | 210197       |
|                      | 16     | HM51        |              | *TBA         |
|                      | 20     | HM51        | No           | *TBA         |
|                      | 24     | HM51        |              | *TBA         |
| Round 60 MM<br>(60R) | 12     | EL60        |              | 210198       |
|                      | 14     | EL60        | No           | 210199       |
|                      | 16     | EL60        |              | *TBA         |
|                      | 20     | EL60        |              | *TBA         |
|                      | 24     | EL60        |              | *TBA         |

<sup>\*</sup>Future availability



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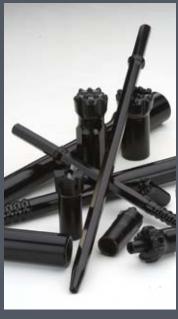
## **ROCK DRILL AND BLAST DRILLING PRODUCTS**



**Production Equipment** 



**Pneumatic Rock Drills** 



Rock Drill and Blast Tooling