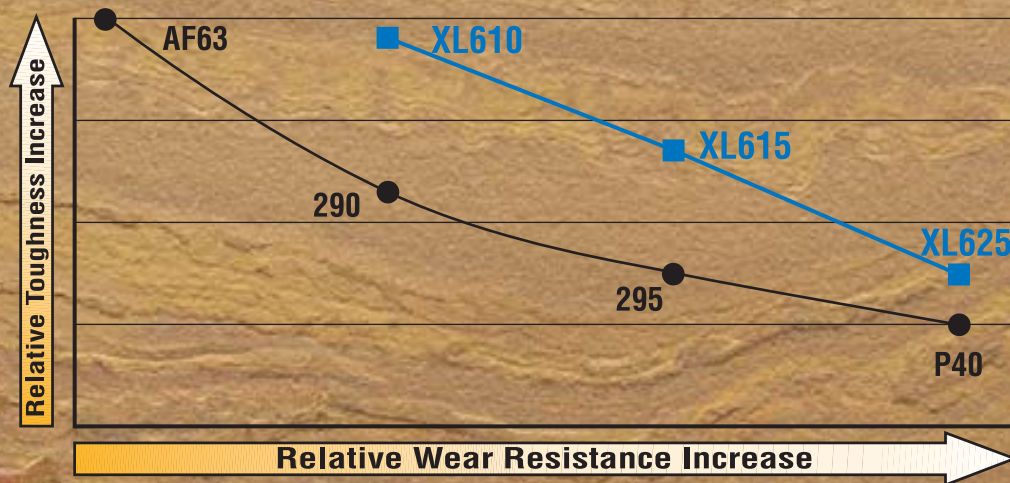


Firth Sterling's "XL" Patented Grades for Percussive Drilling

XL Grades Hybrid Design Characteristics



XL610 – Wear improvements with minimal loss of toughness. Used for applications with high compressive strength rock (such as gabbro or taconite) or for designs requiring extended dome configurations.

XL615 – More wear resistance than XL610. Used for applications with moderate compressive strength rock (such as schist or gneiss).

XL625 – Maximum wear resistance possible in the "XL" grades, with a moderate loss of toughness.

Used for applications where premature wear is not acceptable or for very abrasive rock conditions (such as quartzite or sandstone).

- ATI Firth Sterling's "XL" grades' patented design provides up to a 30% increase in wear resistance (compared to conventional WC-Co grades) without a significant decrease in toughness.
- Higher hardness offers more abrasion resistance, especially in highly abrasive and sliding wear conditions.
- Our new hybrid "XL" grades are designed to dissipate more evenly the heat that causes premature failure.
- "XL" grades can be easily customized for specific applications or areas.
 - ATI Firth Sterling's hybrid "XL" grades have increased compressive strength, allowing higher loading without premature breakage.



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*Patent Pending