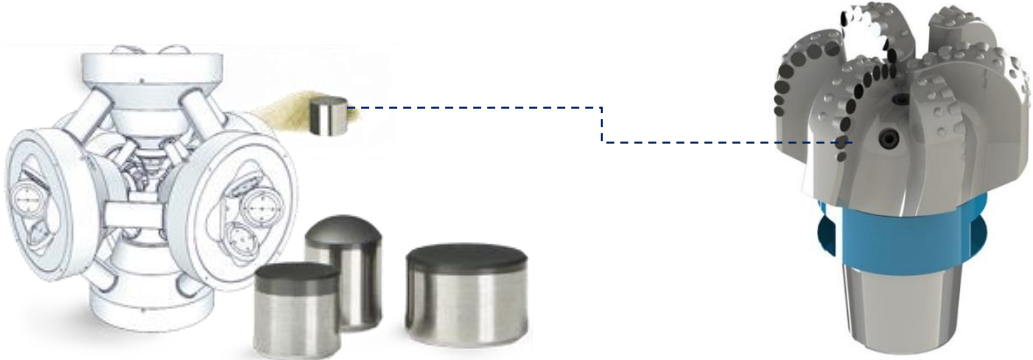


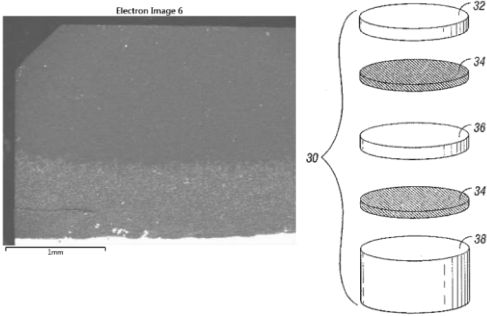
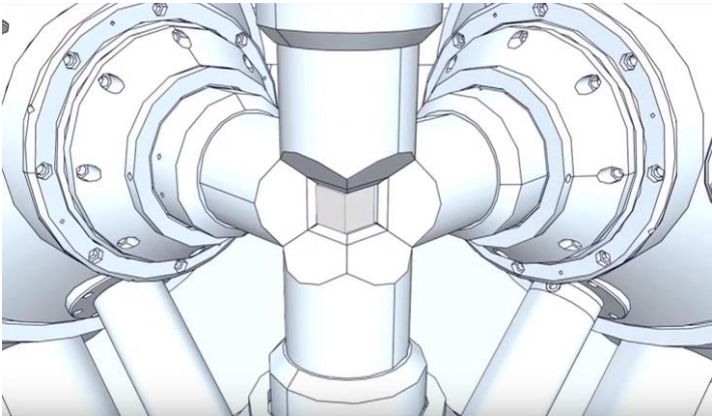
PDC cutter selection

Through test campaigns in lab and field tests validation, we/PDT and our JVs entrust the renowned names of the diamond industry to manufacture the most appropriate compact cutters for specific applications



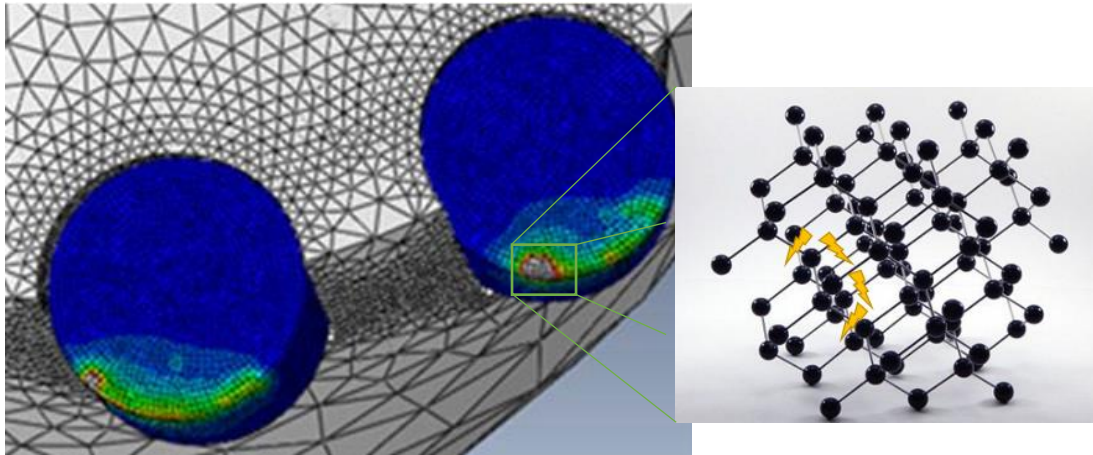
Among all the products available on the market and after selection of the best, PDT considers 3 main grades to select:

- **Standard:** multi-purpose product that suit most of non-demanding application
- **Premium:** top of the shelf product in terms of shock resistance and abrasion
- **XL Forced:** High quality product with best abrasion & thermal resistance score

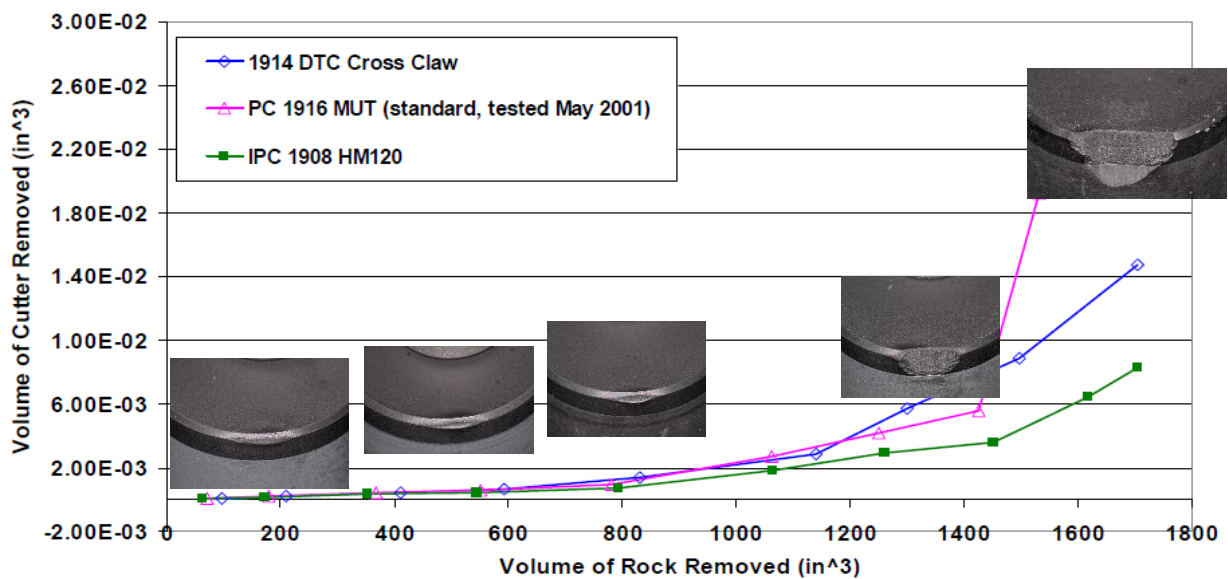


The XL Forced PDC cutter is the cutting-edge product used by PDT in challenging applications. Through a combination of multi diamond layers technology and diamond to carbide interface shape, this cutter has shown superior thermal resistance to rough solicitations providing enhanced bit life and drilling performances challenging any deep leached cutter.

Regardless of the cutter grade & the leaching depth, wear flat still happen as the field reality is always harsher than the ideal condition of the VTL lab test. Micro-breakages can affect a single diamond crystal from the polycrystalline diamond table. On a working cutting edge, small imperfection tends to be smoothed out which is where wear flats start (even on deep leached cutters)

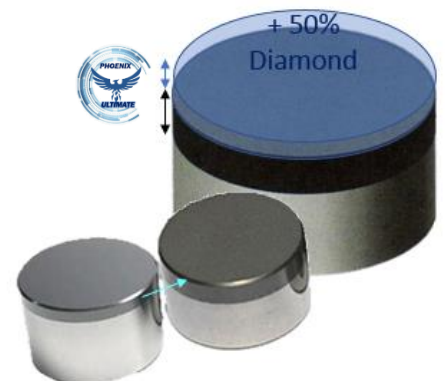


Once the wear flat as started, the degradation rate increases proportionally with its size. This rate becomes critical when the wear flat reach the carbide part. after that point, the degradation become exponential.



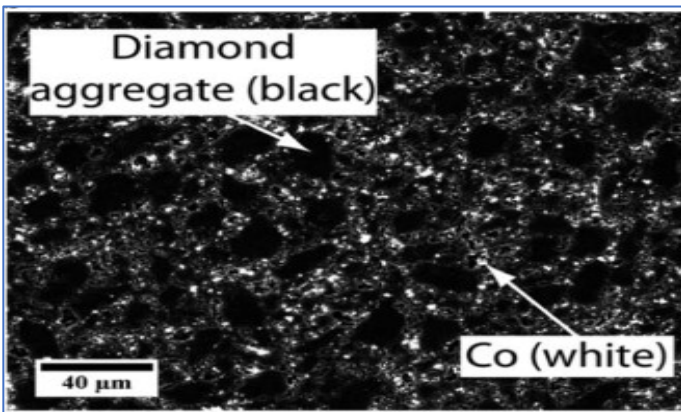
When the standard diamond table thickness is around 2.0 mm, increasing that table thickness will translate in pushing the tipping point of degradation further away.

PDT recommend using our XL Forced PDC cutters with 3.0 mm diamond table version & deepest Deep Leached thickness to boost the diamond content and limit the wear flat development on each cutter.



The **XL Forced PDC™** patented cutters

- Thickest diamond table **XL™**
- Deepest Forced Leached cutters **DFL™**



The **XL FORCED PDC™** cutters with **THICKEST** diamond table as well as **DEEPEST** forced leached cutters improve wear resistance in parallel to impact durability while utilising latest technologies in most abrasive/tough applications.

The patented **XL Forced PDC™** cutters have delivered **PREMIUM** performances with huge savings in well economics, according to lab tests as well as field results in Australia.

★Nothing But The Premium★