



## DTH Bit Face Styles

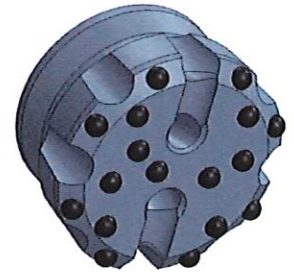
### CONCAVE

This is the most common face style used in the market today. The dish type face gives excellent penetration in medium and hard rock formations, while maintaining a straight hole. This face has excellent air flushing characteristics. Concave is the predominate face style for the majority of drilling conditions.



### FLAT

The flat face bit, as the name implies, is flat across the bit front. This bit is very aggressive in drilling applications and is suited best for very hard rock and in hard rock with broken formation. Used primarily in blast hole work, the bit tends to lead off in deep holes. Rock Hog flat face bits come with standard face slots to aid in keeping the cutting face clean.



### CONVEX

This face has been utilized in very hard drilling formations where the face of the bit tends to be prematurely worn away. The convex style tends to keep the drilling face intact longer by drilling with the two rows of buttons on the convex face. This face style gives good hole penetration.



### KAVEX

This face is a combination of convex / concave. It is recommended for abrasive formations in the hard and very hard range where other bit faces wear away quickly. The kavex is designed to provide improved cleaning of cuttings thus reducing body wear. The concave center helps drill a straight hole.



### WIDE GAGE

This face is a convex but in a heavy duty design. The buttons are larger and gage row is set on a different angel. It has been utilized in very hard, abrasive drilling formations where the face and buttons prematurely wear away. The wide gage style keeps the drilling face intact longer by drilling with the two rows of buttons on the convex face. This face style gives good hole penetration.

