

Diamond Shoe Selection



XDS

30-40 Mesh Diamond Grit is blended with a slurry of Matrix Powders and is packed into a mold with a central steel component the matrix is surrounded by and then the mass is furnace infiltrated with a binder alloy at 2150F and it all binds together.

WP is added for conventional shoes. A custom tube and a Tool Joint is added for CT/Motor or Turbine OPs.



HXDS

These shoes are made just like our XDS with a base of diamond mesh plus larger spherical diamonds are set in raised matrix ridges.

Diamond Shoe Selection



XDS-C

This hybrid shoe is a basic XDS diamond-impreg shoe with carbide inserts furnaced into the shoe face during infiltration.



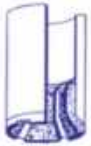
SPS

Steel Body set with cylinder
PDC cutters
8mm, 10mm, or 13mm

Diamond Shoe Selection



Carbide Shoes



Type A

This shoe is used to size and dress the top of a fish inside the casing. It makes a tapered cut on the fish with out damaging the case and cuts on the I.D., O.D. and bottom.



Type B

Is used in open hole for washing over and cutting formation, metals or cement with limited inside clearance. It cuts on the I.D., O.D., and bottom.



Type C

Is used to cut metal on the fish with no damage to the casing. It cuts on the I.D., and the bottom.



Type D

Is used for washing over and cutting formation only. It cuts on O.D. and bottom only.



Type E

Is used for washing over and cutting formation only. It cuts on the bottom, but not on the I.D., and O.D.



Type F

Is used inside casing for washing over and cutting on the bottom only. It does not cut on the I.D. or the O.D.



Type G

Is a low torque type shoe used for cutting metal, formation, or cement in the open hole. It cuts freely on the I.D., O.D., and bottom.



Type H

Is a drag type shoe used to cut soft formation, or when running weak string. It cuts on the bottom only.



Type I

Is a low torque type of shoe used inside casing to wash over and cut on the bottom only avoid damages to the casing or fish.



Type J

Is used to cut metal on the fish without damaging the casing. It cuts on the bottom and on the I.D. only.

Carbide Chip Shoes can be made to any one of several industry standard face shapes to suit client specs.

