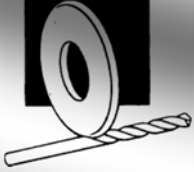


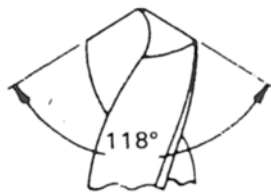
GROUND  
FROM THE  
SOLID



# ACE

technical reference

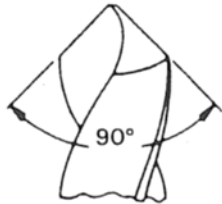
## Types of Drill Points FOR VARIOUS APPLICATIONS



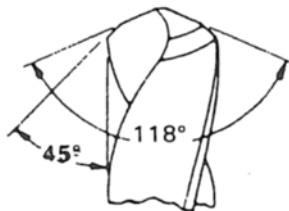
**118° POINT**—General purpose point for most materials where work hardening or chip formation does not present a problem.



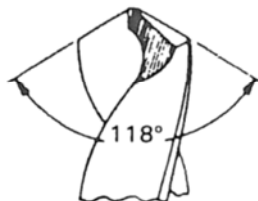
**135° POINT**—A greater point angle is used for tough or hard materials such as highly alloyed steels.



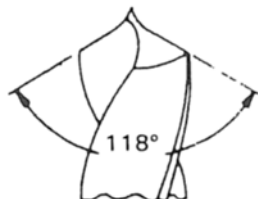
**90° POINT**—A smaller point angle is used for soft and highly ductile materials such as plastics and non-ferrous metals.



**STANDARD POINT WITH 45° CHAMFER**—A corner chamfer is used to reduce the burr in soft materials or reduce corner breakdown in abrasive materials.



**SPLIT OR CRANKSHAFT POINT**—This type is used to reduce thrust when hand drilling tough materials or to make self-centering for N/C equipment.



**HELICAL POINT**—A cam ground point with high chisel relief to act as a spur for self-centering applications in mild materials.