







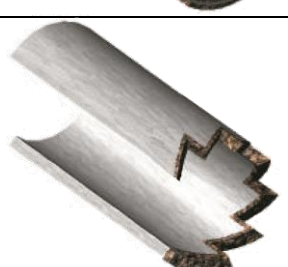

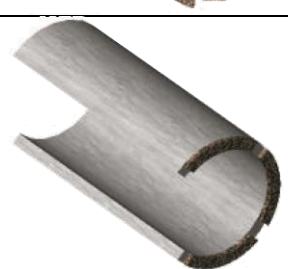


Rotary Shoes

| | |
|---|--|
|  | <p>Type A</p> <p>Is used to cut metal on the fish with no damage to the casing. It cuts on the ID and the bottom.</p> |
|  | <p>Type B</p> <p>Is used for cutting metal or formation in open hole. It cuts on the OD and the bottom.</p> |
|  | <p>Type C</p> <p>Is a low torque type shoe used for cutting metal, formation, or cement in open hole. It cuts freely on the ID, OD, and the bottom.</p> |
|  | <p>Type D</p> <p>Is used in low-clearance situations, to cut metal on the fish without damaging the casing. It cuts on the ID and the bottom.</p> |
|  | <p>Type E</p> <p>Is used in low-clearance situations, to cut metal on the fish without damaging the casing. It cuts on the OD and the bottom.</p> |

Rotary Shoes

| | |
|---|---|
|  | <p>Type F</p> <p>Is used to size and dress the top of a fish inside casing. Makes a tapered cut on the ID and cuts on the bottom.</p> |
|  | <p>Type G</p> <p>Is used in low-clearance (on the ID) situations, to cut metal, formation, or cement. Cuts on the ID, the OD, and the bottom.</p> |
|  | <p>Type H</p> <p>Is used in low-clearance (on the OD) situations, to cut metal, formation, or cement. Cuts on the ID, the OD, and the bottom.</p> |
|  | <p>Type I</p> <p>Is used only for washing over and cutting formation. It cuts on the bottom only. Sawtooth design allows maximum circulation.</p> |
|  | <p>Type J</p> <p>Is used for washing over and cutting formation. It cuts on the OD and the bottom only. Sawtooth design allows maximum circulation.</p> |
|  | <p>Type K (G)</p> <p>Is a low torque type shoe used for cutting metal, formation, or cement with no damage to the casing or fish. It cuts freely on the bottom only.</p> |