

DRILLING STRIPPING ELEMENT

ABSTRACT

A stripping element for rotary flow control diverters used in the oil and gas industry comprising a stiffening member formed of a first harder material than a deformable member formed of a second softer material over-molded to the stiffening member. The stiffening member comprises apertures that provide for the second softer material of the deformable member to be displaced through the apertures when a pipe of a drill is displaced through the stripping element. The stiffening member comprises multiple members that stiffen the deformable member to prevent the deformable member from bending into the stripping element when a pipe of a drill is displaced through the stripping element. The multiple members can be displaced out in a direction away from the pipe of the drill when the pipe of the drill is displaced through the stripping element to prevent the stripping element from being compromised.

Fig. 1