

ABSTRACT

SEALING STRUCTURE

The present disclosure relates to the field of sealing technologies, and provides a sealing structure. The sealing structure includes an inner pipe, an outer pipe, and a sealing ring, where the outer pipe is detachably sleeved on the inner pipe, a slot for inserting a pipe is formed between an inner wall of the outer pipe and an outer wall of the inner pipe, and the outer wall of the inner pipe is provided with a sealing groove for placing the sealing ring; the sealing ring includes a main body provided with a lip; the sealing groove includes a first sealing groove and a second sealing groove, the first sealing groove and the second sealing groove are stepped, and a depth of the first sealing groove is less than that of the second sealing groove; the bottom of the lip fits the bottom of the first sealing groove, a thickness of the lip in a non-compressed state is greater than the depth of the first sealing groove, and a width of the lip in the non-compressed state is less than that of the first sealing groove; and the bottom of the main body fits the bottom of the second sealing groove, and a thickness of the main body in the non-compressed state is less than or equal to the depth of the second sealing groove.

Figure 1