

QUESTION

Figure 1 shows a rectangular block of material with a central hole. The block is subjected to a uniform stress σ applied to the top and bottom surfaces. The block has a height h , a width b , and a thickness t . The central hole has a diameter d . The stress σ is applied to the top and bottom surfaces of the block, and the block is supported by a fixed base. The stress σ is applied to the top and bottom surfaces of the block, and the block is supported by a fixed base.



ANSWER

The stress σ is applied to the top and bottom surfaces of the block, and the block is supported by a fixed base. The stress σ is applied to the top and bottom surfaces of the block, and the block is supported by a fixed base.