

عنوان مقاله:

Load transfer in bolt bending

محل انتشار:

کنفرانس مهندسی معدن ایران (سال: 1383)

تعداد صفحات اصل مقاله: 12

نویسندگان:

Hossein Jalalifar - *Department of Civil and Mining Engineering, Wollongong University, Australia*

Naj Aziz

خلاصه مقاله:

Load transfer is a basic aspect of reinforcement system behaviour, which has to be understood deeply in order to get a proper stability in surface and underground excavations. In terms of load transfer concept some parameters were studied such as different bolt profile, which has great influence in transferring load from bolt through the resin to rock, strength of material and confining pressure at shear joint interface which was applied as pretensioning in bolt. Also these parameters were evaluated by 3D numerical simulation. It was found that strength of material, bolt profile and pretensioning have significant influence on load transfer.

کلمات کلیدی:

grouted bolt, bolt pretensioning, shear stress, fully bonded

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/8154>

