THE BREAK-OFF TEST METHOD
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ABSTRACT

The Break-Off (B.O.) test method is a nondestructive test method used for evaluation of in-place flexural and compressive strength of concrete. The Break-Off test method consists of breaking off an in-place cylindrical concrete specimen at a failure plane parallel to the finished surface of the concrete element. The break-off stress at failure is related to the compressive strength or flexural strength. This report provides a detailed information regarding the theory behind the B.O. method, factors affecting this method, and practical use of this method for laboratory and site investigation. A few selected case histories and lab investigations are also included.