

Table 2. Design parameters for MBSCs.

Variable	Range of variable
Concrete strength	$f_{cu} = 30, 40, 50, 60$ MPa
Bolt diameter	$d = 12, 16, 18, 20$ mm
Bolt spacing	$l = 4d, 5d, 6d, 7d, 8d$
Bolt row numbers	$r = 1, 2, 3, 4$