

**Amendments to the Code of Practice for Structural Use of Concrete 2013 (2020 Edition)**  
**( June 2023 )**

Legends:

 Amended  
 Deleted

Amendments to the Code of Practice for Structural Use of Concrete 2013 (2020 Edition) in June 2023 included:

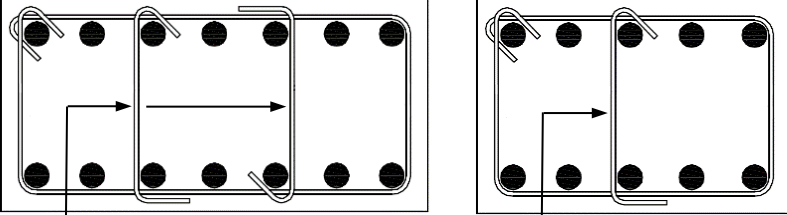
- (a) Clause 3.2.8.3 and Annex A – Addition of referenced standard ISO 15835-2 for the test method on mechanical coupler; and
- (b) Clause 9.9.1.3(b) and Figure 9.6a – Addition of alternative arrangement for links/ties for beam.

### Amendments to the Code of Practice for Structural Use of Concrete 2013 (2020 Edition)

Item	Current version	Amendments
1. List of Figures	Figure 9.6 - Typical corbel detailing..... Figure 9.7 - Typical confinement in beam.....	Figure 9.6 - Typical corbel detailing..... <b>Figure 9.6a - Alternative arrangement for links/ties for beam</b> Figure 9.7 - Typical confinement in beam.....
2. Clause 3.2.8.3 <sup>1</sup>	3.2.8.3 Performance of type 1 mechanical couplers Type 1 mechanical coupler satisfying the following criteria may be used as an alternative to tension or compression laps: (a) when a representative gauge length assembly comprising reinforcement of the diameter, grade and profile to be used, and a coupler of the precise type to be used, is tested in tension the permanent elongation after loading to $0.6f_y$ should not exceed 0.1 mm; and .....	3.2.8.3 Performance of type 1 mechanical couplers Type 1 mechanical coupler satisfying the following criteria may be used as an alternative to tension or compression laps: (a) when a representative gauge length assembly comprising reinforcement of the diameter, grade and profile to be used, and a coupler of the precise type to be used, is tested in tension the permanent elongation after loading to $0.6f_y$ should not exceed 0.1 mm; and .....  <b>Reference may be made to clause 5.4, excluding sub-clause 5.4.4, of ISO 15835-2 for the test method.</b>
3. Clause 9.9.1.3(b) <sup>2</sup>	(b) Anchorage Links should be adequately anchored by means of hooks with bend not less than $135^\circ$ in accordance with clause 8.5. Anchorage by means of welded cross bars is not permitted. Where .....	(b) Anchorage Links should be adequately anchored by means of hooks with bend not less than $135^\circ$ in accordance with clause 8.5. <b>Alternatively, links/ties should be adequately anchored by means of hooks bent through an angle of not less than <math>135^\circ</math> at one end and <math>90^\circ</math> at the other end, and should be alternated end for end along the longitudinal bars (see Figure 9.6a).</b> Anchorage by means of welded cross bars is not permitted. Where .....

<sup>1</sup> Addition of referenced standard ISO 15835-2 for the test method on mechanical coupler.

<sup>2</sup> Addition of alternative arrangement for links/ties for beam.

Item	Current version		Amendments	
4. Figure 9.6a			 <p data-bbox="1288 558 1724 630">Links/ties with alternated end for end along the longitudinal bars</p> <p data-bbox="1803 566 1993 598">Single link/tie</p> <p data-bbox="1276 662 2049 694">Figure 9.6a - Alternative arrangement for links/ties for beam</p>	
5. Annex A	<p data-bbox="403 734 582 766">AC 133:2008</p> <p data-bbox="403 885 649 917">BS EN 197-1:2011</p>	<p data-bbox="694 734 1198 845">Acceptance Criteria for Mechanical Connector Systems for Steel Reinforcing Bars</p> <p data-bbox="694 885 1198 989">Cement. Composition, specifications and conformity criteria for common cements</p>	<p data-bbox="1243 734 1422 766">AC 133:2008</p> <p data-bbox="1243 885 1489 917">ISO 15835-2:2018</p> <p data-bbox="1243 1029 1489 1061">BS EN 197-1:2011</p>	<p data-bbox="1534 734 2072 837">Acceptance Criteria for Mechanical Connector Systems for Steel Reinforcing Bars</p> <p data-bbox="1534 885 2072 989">Steels for the reinforcement of concrete – Reinforcement couplers for mechanical splices of bars – Part 2: Test methods</p> <p data-bbox="1534 1029 2072 1101">Cement. Composition, specifications and conformity criteria for common cements</p>