Indian Standard

REINFORCEMENT COUPLERS FOR MECHANICAL SPLICES OF BARS IN CONCRETE — SPECIFICATION

1 SCOPE

1.1 This standard covers the requirements and tests applicable to reinforcement couplers to be used in reinforced concrete constructions for mechanical splicing of bars conforming to IS 1786. The standard presently covers requirements of couplers to be used with bars conforming to grades less than and equal to Fe 550D of IS 1786.

NOTES

1 The performance requirements for couplers to be used with reinforcing bars conforming to grade Fe 600 of IS 1786 shall be mutually agreed to between the purchaser and the manufacturer as per specific project necessities.

2 In specific instances where in a project, reinforcement bars of grades lower than Fe 550D of IS 1786 are in use, the performance requirements of couplers to be used with such reinforcement bars may be mutually agreed between the purchaser and the manufacturer.

1.2 The provisions of this standard applies to tension and tension-compression couplers such as threaded couplers, swaged coupling sleeves, grout/steel filled coupling sleeve etc, subject to satisfying the performance criteria of this standard.

1.3 This standard does not cover compression-only couplers such as end bearing sleeves and coupling sleeve and wedge.

2 REFERENCES

The standards listed below contain provisions which, through reference in this text, constitute provision of this standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below:

IS No.	*Title*
1608:2005	Metallic materials — Tensile testing at ambient temperature (*third revision*)
1786:2008	High strength deformed steel bars and wires for concrete reinforcement — Specification (*fourth revision*)
1828 (Part 1): 2005	Metallic materials — Verification of static uniaxial testing Machines: Part 1 Tension/Compression testing machines — Verification and calibration of the force-measuring system
4905:1968	Methods for random sampling
12872:1990	Metallic materials — Verification of extensometers used in uniaxial testing