

*Indian Standard*  
**STEEL TUBES FOR AUTOMOTIVE  
PURPOSES — SPECIFICATION**  
*(Third Revision)*

## 1 SCOPE

	<i>IS No.</i>	<i>Title</i>
This standard covers the requirements for steel tubes for use in automotives including two and three wheelers, in sizes up to and including 114.3 mm outside diameter and these are indicated in the following sections:	2328 : 2005/ ISO 8492:1998	Metallic materials — Tube — Flattening test ( <i>second revision</i> )
	2335 : 2005/ ISO 8493 : 1998	Metallic materials — Tube — Drift expanding test ( <i>second revision</i> )
	4711 : 2008	Methods for sampling of steel pipes, tubes and fittings ( <i>second revision</i> )
Section 1	4740 : 1979	General requirements
Section 2	5429 : 1979	Cold drawn seamless steel tubes (CDS)
Section 3	10748 : 2004	Electric resistance welded/high frequency induction welded steel tubes (ERW/HFIW)
Section 4		Cold drawn electric resistance welded/high frequency induction welded steel tubes (CEW)

**1.2** Details of the grades of tube and materials dealt with under each type are given in subsequent clauses.

**1.3** All steel tubes covered by this standard shall comply with the requirement laid down in Section 1 and in addition with the requirements under each appropriate section.

## 2 REFERENCES

The following standards contain provisions which through reference in this text, constitute provisions 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 standard listed below:

<i>IS No.</i>	<i>Title</i>
228 (In parts)	Methods of chemical analysis of steels
513 : 2008	Cold-reduced low carbon steel sheet and strip ( <i>fifth revision</i> )
1079 : 2009	Hot-rolled low carbon steel sheet and strip ( <i>sixth revision</i> )
1387 : 1993	General requirements for the supply of metallurgical materials ( <i>second revision</i> )
1608 : 2005/ ISO 6892:1998	Metallic materials — Tensile testing at ambient temperature ( <i>third revision</i> )