

BUREAU OF INDIAN STANDARDS

Program of Work

TED 34 : Springs and Suspension Systems Sectional Committee

Scope: a) Standardization of Shock absorbers & Springs including Automotive springs containing engine rocker arm springs and suspension systems. b) Co-ordination of work with ISO/TC 227. c) Co-ordination of work with ISO/TC 22.

Liaison: **ISO TC-ISO TC 227 (P): Springs ISO TC-227 (P): Springs**

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10063:1982	Dimensions of end fittings of rear shock absorbers for scooters and motorcycle - S	November, 2024	-	Indigenous
2	IS 10876:1984 Decision taken to Reaffirm and Archive	Specification for buckles for laminated springs for railway rocling stock	March, 2024	-	Indigenous
3	IS 10878 (Part 1):1984 Decision taken to Reaffirm and Archive	Specification for flat form springs: Part 1 design and calculation for springs made from rectangular cold - Rolled strips	March, 2024	-	Indigenous
4	IS 10878 (Part 2):1984 Decision taken to Reaffirm and Archive	Flat - Form springs: Part 2 speciFication for springs made from rectangular cold - Rolled strips	March, 2024	-	Indigenous
5	IS 1135:2018	Springs - Leaf springs assembly for automobiles - Specification (Sixth Revision)	September, 2024	-	Indigenous
6	IS 12511 (Part 1):2004	Springs - Disc spring: Part 1 design calculation (First Revision)	April, 2024	-	Indigenous
7	IS 12511 (Part 2):2004	Springs - Disc spring: Part 2 specification (First Revision)	March, 2025	-	Indigenous
8	IS 12648:1989	Automotive vehicles - End mountings of shock absorbers - Dimensions and tests	March, 2019	-	Indigenous
9	IS 15453:2004	Spring - Torsion bar springs - Specification	December, 2024	-	Indigenous
10	IS/ISO 16249:2013 ISO 16249 : 2013 ISO 16249 : 2013	Springs - Symbols	December, 2022	-	Identical under single numbering

11	IS 17458 (Part 1):2024 ISO 22705-1:2021 ISO 22705-1:2021	Springs i_c 1/2 Measurement and Test Parameters Part 1 Cold Formed Cylindrical Helical Compression Springs		-	Identical under dual numbering
12	IS 18622 (Part 3):2024 ISO 22705-3: 2024 ISO 22705-3: 2024	SPRINGS MEASUREMENT AND TEST PARAMETERS PART 3 COLD FORMED CYLINDRICAL HELICAL TORSION SPRINGS		-	Identical under dual numbering
13	IS 18622 (Part 2):2024 ISO 22705-2: 2023 ISO 22705-2: 2023	Springs i_c 1/2 Measurement and Test Parameters Part 2 Cold Formed Cylindrical Helical Extension Springs		-	Identical under dual numbering
14	IS/ISO 2162-2:1993 ISO 2162-2 : 1993 ISO 2162: Part-2: 1993	Technical product documentation - Springs: Part 2 presentation of data for cylindrical helical compression springs	March, 2021	-	Identical under single numbering
15	IS/ISO 26909:2009 ISO 26909 ISO 26909 : 2009	Springs - Vocabulary	December, 2022	-	Identical under single numbering
16	IS 5423:1989	Automotive vehicles - Shock absorbers - Specification (Second Revision)	March, 2019	2	Indigenous
17	IS 7001:2017 ISO 26910-1 : 2009 Decision taken to Reaffirm and Archive iso 26910-1: 2009	Springs - Shot peening - General procedures (Second Revision)	March, 2024	-	Modified/Technically Equivalent
18	IS 7864 (Part 1):1975	Specification for upholstery springs 1: Part 1 conical type	December, 2023	-	Indigenous
19	IS 7864 (Part 2):1979 Decision taken to Reaffirm and Archive	SpecificAtion for . upholstreY springs: Part 2 ziGzag type	March, 2024	-	Indigenous
20	IS 7906 (Part 5):2026	HELICAL COMPRESSION SPRINGS PART 5 HOT COILED SPRINGS MADE FROM CIRCULAR SECTION BARS SPECIFICATION (Third Revision)		-	Indigenous
21	IS 7906 (Part 3):2025	HELICAL COMPRESSION SPRINGS PART 3 DATA SHEET FOR SPECIFICATIONS FOR SPRINGS MADE FROM CIRCULAR SECTION WIRE AND BAR (First Revision)		-	Indigenous
22	IS 7906 (Part 1):1997	Helical compression springs: Part 1. design and calculation for springs made from circular section wire and bar (First Revision)	December, 2023	-	Indigenous
23	IS 7906 (Part 4):1987 Decision taken to	Helical compression springs: Part 4 selection of standard cold coiled springs made from circular section wire and bar	November, 2024	-	Indigenous

	Reaffirm and Archive				
24	IS 7906 (Part 5):2004	Helical compression springs: Part 5 hot coiled springs made from circular section bars - Specification (Second Revision)	March, 2019	1	Indigenous
25	IS 7906 (Part 6):1978 Decision taken to Reaffirm and Archive	Helical compression springs: Part 6 design and calculations for springs made from rectangular section bar - Steel	March, 2024	-	Indigenous
26	IS 7906 (Part 7):1989	Helical compression springs: Part 7 quality requirements for cylindrical coil compression springs used mainly as vehicle suspension springs	March, 2019	-	Indigenous
27	IS 7906 (Part 8):1989	Helical compression springs: Part 8 method of inspection of hotcoiled compression springs made from circular section bars	March, 2019	-	Indigenous
28	IS 7906 (Part 8):2026	HELICAL COMPRESSION SPRINGS PART 8 METHOD OF INSPECTION OF HOTCOILED COMPRESSION SPRINGS MADE FROM CIRCULAR SECTION BARS (First Revision)		-	Indigenous
29	IS 7906 (Part 2):1975	Helical compression springs: Part 2 specification for cold coiled springs made from circular section wire and bar	March, 2019	1	Indigenous
30	IS 7907 (Part 1):2004	Helical extension springs october 2004: Part 1 design and calculation for springs made from circular section wire and bar (First Revision)	August, 2024	-	Indigenous
31	IS 7907 (Part 4):1987	Specification for helical extension springs: Part 4 selection of standard cold coiled springs made - From circular section wire and bar	December, 2023	-	Indigenous
32	IS 7907 (Part 2):1976 Decision taken to Reaffirm and Archive	Helical extension springs: Part 2 specification for cold coiled springs made from circular section wire and bar	March, 2024	-	Indigenous
33	IS 7907 (Part 3):1975 Decision taken to Reaffirm and Archive	Helical extension springs: Part 3 data sheet for specifications for springs made from circular section wire and bar	March, 2024	-	Indigenous
34	IS 8924:1978 Decision taken to Reaffirm and Archive	Specification for bushes for leaf spring assemblies for automotive suspension	March, 2024	-	Indigenous
35	IS 9484:1980	Specification for centre bolts for leaf springs	June, 2024	1	Indigenous

	Decision taken to Reaffirm and Archive				
36	IS 9574:2004	Leaf springs assembly clips - Specification (Second Revision)	March, 2025	-	Indigenous
37	IS 9801:1981	Specification for laminated springs for railway rolling stock	December, 2023	-	Indigenous

Standards under Development

Projects Approved

SI. No.	Doc No.	Title
<i>No Records Found</i>		

Preliminary Draft Standards

SI. No.	Doc No.	Title
<i>No Records Found</i>		

Drafts Standards in WC Stage

SI. No.	Doc No.	Title
<i>No Records Found</i>		

Draft Standards Completed WC Stage

SI. No.	Doc No.	Title
<i>No Records Found</i>		

Finalized Draft Indian Standard

SI. No.	Doc No.	Title
<i>No Records Found</i>		

Finalized Draft Indian Standards under Print

SI. No.	Doc No.	Title
1	TED 34 (23206)	Springs Measurement and Test Parameters Part 1 Cold Formed Cylindrical Helical Compression Springs
2	TED 34 (24555)	Springs Measurement and Test Parameters Part 2 Cold Formed Cylindrical Helical Extension Springs
3	TED 34 (25924)	SPRINGS MEASUREMENT AND TEST PARAMETERS PART 3 COLD FORMED CYLINDRICAL HELICAL TORSION SPRINGS
4	TED 34 (26557) Revision of: IS 7906:2004	HELICAL COMPRESSION SPRINGS PART 5 HOT COILED SPRINGS MADE FROM CIRCULAR SECTION BARS SPECIFICATION Third Revision
5	TED 34 (26558) Revision of: IS 7906:1975	HELICAL COMPRESSION SPRINGS PART 3 DATA SHEET FOR SPECIFICATIONS FOR SPRINGS MADE FROM CIRCULAR SECTION WIRE AND BAR First Revision
6	TED 34 (27420) Revision of: IS 7906:1989	HELICAL COMPRESSION SPRINGS PART 8 METHOD OF INSPECTION OF HOTCOILED COMPRESSION SPRINGS MADE FROM CIRCULAR SECTION BARS First Revision

Total Published Standards:34 Total Standards Under development:6

Aspect Wise Report

Product : 14
Code of Practices : 5

Methods of Test : 6
Terminology : 2
Dimensions : 7
System Standard : 0
Safety Standard : 0
Others : 0
Service Specification : 0
Process Specification : 0
Unclassified : 0

Annexure-I :List of Indian Standards Withdrawn/Superseded

Sl. No.	IS No. & Year	Title
1	IS 1135:1995 62341-5-3	Springs - Leaf Springs Assembly for Automobiles

Annexure-II :List of Indian Product Standards

Sl. No.	IS No. & Year	Title
1	IS 10876:1984 Decision taken to Reaffirm and Archive	Specification for buckles for laminated springs for railway rocling stock
2	IS 10878 (Part 2):1984 Decision taken to Reaffirm and Archive	Flat - Form springs Part 2 speciFication for springs made from rectangular cold - Rolled strips
3	IS 12511 (Part 2):2004	Springs - Disc spring Part 2 specification First Revision
4	IS 15453:2004	Spring - Torsion bar springs - Specification
5	IS 5423:1989	Automotive vehicles - Shock absorbers - Specification Second Revision
6	IS 7864 (Part 1):1975	Specification for upholstery springs 1 Part 1 conical type
7	IS 7864 (Part 2):1979 Decision taken to Reaffirm and Archive	SpecificAtion for upholstreY springs Part 2 ziGzag type
8	IS 7906 (Part 5):2026	HELICAL COMPRESSION SPRINGS PART 5 HOT COILED SPRINGS MADE FROM CIRCULAR SECTION BARS SPECIFICATION Third Revision
9	IS 7906 (Part 2):1975	Helical compression springs Part 2 specification for cold coiled springs made from circular section wire an d bar
10	IS 7907 (Part 2):1976 Decision taken to Reaffirm and Archive	Helical extension springs Part 2 specification for cold coiled springs made from circular section wire and bar
11	IS 8924:1978 Decision taken to Reaffirm and Archive	Specification for bushes for leaf spring assemblies for automotive suspension
12	IS 9484:1980 Decision taken to Reaffirm and Archive	Specification for centre bolts for leaf springs
13	IS 9574:2004	Leaf springs assembly clips - Specification Second Revision
14	IS 9801:1981	Specification for laminated springs for railway rolling stock

