

## 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**

### Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10063:1982 <i>Reviewed In : 2024</i>	Dimensions of end fittings of rear shock absorbers for scooters and motorcycle - S	November, 2024	-	Indigenous
2	IS 10876:1984 <i>Reviewed In : 2024</i> 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 <i>Reviewed In : 2024</i> 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 <i>Reviewed In : 2024</i> 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 <i>Reviewed In : 2024</i>	Springs - Leaf springs assembly for automobiles - Specification (Sixth Revision)	September, 2024	-	Indigenous
6	IS 12511 (Part 1):2004 <i>Reviewed In : 2024</i>	Springs - Disc spring: Part 1 design calculation (First Revision)	April, 2024	-	Indigenous
7	IS 12511 (Part 2):2004 <i>Reviewed In : 2025</i>	Springs - Disc spring: Part 2 specification (First Revision)	March, 2025	-	Indigenous
8	IS 12648:1989 <i>Reviewed In : 2019</i>	Automotive vehicles - End mountings of shock absorbers - Dimensions and tests	March, 2019	-	Indigenous
9	IS 15453:2004 <i>Reviewed In : 2024</i>	Spring - Torsion bar springs - Specification	December, 2024	-	Indigenous
10	IS/ISO 16249:2013 ISO 16249 : 2013 <i>Reviewed In : 2022</i>	Springs - Symbols	December, 2022	-	Identical under single numbering

	ISO 16249 : 2013				
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 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
13	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
14	IS/ISO 2162-2:1993 ISO 2162-2 : 1993 Reviewed In : 2021 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 Reviewed In : 2022 ISO 26909 : 2009	Springs - Vocabulary	December, 2022	-	Identical under single numbering
16	IS 5423:1989 Reviewed In : 2019	Automotive vehicles - Shock absorbers - Specification (Second Revision)	March, 2019	2	Indigenous
17	IS 7001:2017 ISO 26910-1 : 2009 Reviewed In : 2024 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 Reviewed In : 2023	Specification for upholstery springs 1: Part 1 conical type	December, 2023	-	Indigenous
19	IS 7864 (Part 2):1979 Reviewed In : 2024 Decision taken to Reaffirm and Archive	SpecificAtion for . upholstreY springs: Part 2 ziGzag type	March, 2024	-	Indigenous
20	IS 7906 (Part 1):1997 Reviewed In : 2023	Helical compression springs: Part 1. design and calculation for springs made from circular section wire and bar (First Revision)	December, 2023	-	Indigenous
21	IS 7906 (Part 2):1975 Reviewed In : 2019	Helical compression springs: Part 2 specification for cold coiled springs made from circular section wire an d bar	March, 2019	1	Indigenous
22	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
23	IS 7906 (Part 4):1987 Reviewed In : 2024	Helical compression springs: Part 4 selection of standard cold coiled springs made from circular section	November, 2024	-	Indigenous

	Decision taken to Reaffirm and Archive	wire and bar			
24	IS 7906 (Part 5):2004 Reviewed In : 2019	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 Reviewed In : 2024 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 Reviewed In : 2019	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 Reviewed In : 2019	Helical compression springs: Part 8 method of inspection of hotcoiled compression springs made from circular section bars	March, 2019	-	Indigenous
28	IS 7907 (Part 1):2004 Reviewed In : 2024	Helical extension springs october 2004: Part 1 design and calculation for springs made from circular section wire and bar (First Revision)	August, 2024	-	Indigenous
29	IS 7907 (Part 2):1976 Reviewed In : 2024 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
30	IS 7907 (Part 3):1975 Reviewed In : 2024 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
31	IS 7907 (Part 4):1987 Reviewed In : 2023	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 8924:1978 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Specification for bushes for leaf spring assemblies for automotive suspension	March, 2024	-	Indigenous
33	IS 9484:1980 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Specification for centre bolts for leaf springs	June, 2024	1	Indigenous
34	IS 9574:2004 Reviewed In : 2025	Leaf springs assembly clips - Specification (Second Revision)	March, 2025	-	Indigenous
35	IS 9801:1981 Reviewed In : 2023	Specification for laminated springs for railway rolling stock	December, 2023	-	Indigenous

## Standards under Development

### Projects Approved

SI. No.	Doc No.	Title
No Records Found		

### Preliminary Draft Standards

SI. No.	Doc No.	Title
No Records Found		

### Drafts Standards in WC Stage

SI. No.	Doc No.	Title
No Records Found		

### Draft Standards Completed WC Stage

SI. No.	Doc No.	Title
No Records Found		

### Finalized Draft Indian Standard

SI. No.	Doc No.	Title
1	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

### Finalized Draft Indian Standards under Print

SI. No.	Doc No.	Title
1	TED 34 (26557) Revision of: IS 7906:2004	HELICAL COMPRESSION SPRINGS PART 5 HOT COILED SPRINGS MADE FROM CIRCULAR SECTION BARS SPECIFICATION Third Revision

Total Published Standards:31 Total Standards Under development:2

## 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

SI. No.	IS No. & Year	Title
1	IS 1135:1995 Reviewed In : 2015 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 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Specification for buckles for laminated springs for railway rocling stock
2	IS 10878 (Part 2):1984 Reviewed In : 2024 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 Reviewed In : 2025	Springs - Disc spring Part 2 specification First Revision
4	IS 15453:2004 Reviewed In : 2024	Spring - Torslon bar springs - Specification
5	IS 5423:1989 Reviewed In : 2019	Automotive vehicles - Shock absorbers - Specification Second Revision
6	IS 7864 (Part 1):1975 Reviewed In : 2023	Specification for upholstery springs 1 Part 1 conical type
7	IS 7864 (Part 2):1979 Reviewed In : 2024 Decision taken to Reaffirm and Archive	SpecificAtion for upholstrey springs Part 2 ziGzag type
8	IS 7906 (Part 2):1975 Reviewed In : 2019	Helical compression springs Part 2 specification for cold coiled springs made from circular section wire an d bar
9	IS 7906 (Part 5):2004 Reviewed In : 2019	Helical compression springs Part 5 hot coiled springs made from circular section bars - Specification Second Revision
10	IS 7907 (Part 2):1976 Reviewed In : 2024 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 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Specification for bushes for leaf spring assemblies for automotive suspension
12	IS 9484:1980 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Specification for centre bolts for leaf springs
13	IS 9574:2004 Reviewed In : 2025	Leaf springs assembly clips - Specification Second Revision
14	IS 9801:1981 Reviewed In : 2023	Specification for laminated springs for railway rolling stock