

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 Reviewed In : 2019	Dimensions of end fittings of rear shock absorbers for scooters and motorcycle - S	March, 2019	-	Indigenous
2	IS 10876 : 1984 Reviewed In : 2024 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 Reviewed In : 2024 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 Reviewed In : 2024 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 Reviewed In : 2024	Springs - Leaf springs assembly for automobiles - Specification (Sixth Revision)	September, 2024	-	Indigenous
6	IS 12511 (Part 1) : 2004 Reviewed In : 2019	Springs - Disc spring: Part 1 design calculation (First Revision)	March, 2019	-	Indigenous
7	IS 12511 (Part 2) : 2004 Reviewed In : 2019	Springs - Disc spring: Part 2 specification (First Revision)	March, 2019	-	Indigenous
8	IS 12648 : 1989 Reviewed In : 2019	Automotive vehicles - End mountings of shock absorbers - Dimensions and tests	March, 2019	-	Indigenous
9	IS 15453 : 2004 Reviewed In : 2019	Spring - Torsion bar springs - Specification	March, 2019	-	Indigenous
10	IS/ISO 16249 : 2013 ISO 16249 : 2013 Reviewed In : 2022	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/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
14	IS/ISO 26909 : 2009 ISO 26909 Reviewed In : 2022 ISO 26909 : 2009	Springs - Vocabulary	December, 2022	-	Identical under single numbering
15	IS 5423 : 1989 Reviewed In : 2019	Automotive vehicles - Shock absorbers - Specification (Second Revision)	March, 2019	2	Indigenous
16	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
17	IS 7864 (Part 1) : 1975 Reviewed In : 2023	Specification for upholstery springs 1: Part 1 conical type	December, 2023	-	Indigenous
18	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
19	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
20	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
21	IS 7906 (Part 3) : 1975 Reviewed In : 2020	Helical compression springs: Part 3 data sheet for specifications for springs made from circular section wire and bar	January, 2020	-	Indigenous
22	IS 7906 (Part 4) : 1987 Reviewed In : 2019	Helical compression springs: Part 4 selection of standard cold coiled springs made from circular section wire and bar	March, 2019	-	Indigenous
23	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
24	IS 7906 (Part 6) :	Helical compression springs: Part 6	March, 2024	-	Indigenous

	1978 Reviewed In : 2024 Decision taken to Reaffirm and Archive	design and calculations for springs made from rectangular section bar - Steel			
25	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
26	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
27	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
28	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
29	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
30	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
31	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
32	IS 9484 : 1980 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Specification for centre bolts for leaf springs	June, 2024	1	Indigenous
33	IS 9574 : 2004 Reviewed In : 2019	Leaf springs assembly clips - Specification (Second Revision)	March, 2019	-	Indigenous
34	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
<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
1	TED 34 (26557)	HELICAL COMPRESSION SPRINGS PART 5 HOT COILED SPRINGS MADE FROM CIRCULAR SECTION BARS SPECIFICATION Third Revision

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 (25924)	SPRINGS MEASUREMENT AND TEST PARAMETERS PART 3 COLD FORMED CYLINDRICAL HELICAL TORSION SPRINGS
2	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

Total Published Standards:31 Total Standards Under development:3

Aspect Wise Report

Product : 14
 Code of Practices : 5
 Methods of Test : 5
 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

SI. 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	Flat - Form springs Part 2 speciFication for springs made from rectangular cold - Rolled strips

	Reviewed In : 2024 Decision taken to Reaffirm and Archive	
3	IS 12511 (Part 2) : 2004 Reviewed In : 2019	Springs - Disc spring Part 2 specification First Revision
4	IS 15453 : 2004 Reviewed In : 2019	Spring - Torsion 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 upholstery 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 and 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 : 2019	Leaf springs assembly clips - Specification Second Revision
14	IS 9801 : 1981 Reviewed In : 2023	Specification for laminated springs for railway rolling stock