BUREAU OF INDIAN STANDARDS

Program of Work

MTD 16: Alloy Steels and Forging Sectional Committee

Scope: Standardization in the field of alloy & special steels and forging, including classification,

designation and coding of related steels

Liaison: ISO TC-17 SC-04 (P): Heat treatable and alloy steels ISO TC-17 SC-11 (P): Steel castings

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10604 (Part 1):	Specification for machining	March, 2023	-	Indigenous
	1983	allowances and tolerances for open			
	Reviewed In: 2023	die steel forgings: Part 1 carbon			
		and low alloy steel forgings: Part 1			
		carbon and low alloy steel forgings			
2	IS 10604 (Part 2):	Machining allowances and	March, 2023	-	Indigenous
	1983	tolerances for open die steel			
	Reviewed In: 2023	forgings: Part 2 high alloy steel			
		forgings			
3	IS 10631 : 1983	Specification for stainless steel for	April, 2024	1	Indigenous
	Reviewed In: 2024	welding electrode core wire			
4	IS 10632 (Part 1):	Specification for non magnetic	April, 2024	1	Indigenous
	1983	stainless steels for electrical			
	Reviewed In: 2024	applications: Part 1 general			
		requirements			
5	IS 10632 (Part 2):	Specification for non magnetic	April, 2024	1	Indigenous
	1983	stainless steels for electrical			
	Reviewed In: 2024	applications: Part 2 specific			
		requirements for binding wires			
6	IS 10632 (Part 3):	Specification for non magnetic	April, 2024	1	Indigenous
	1983	stainless steels for electrical			
	Reviewed In: 2024	applications: Part 3 specific			
		requirements for sheets, strips and			
	77 111 20 27 13	plates			
7	IS 11169 (Part 1):	Specification for steels for cold		1	Not Equivalent
		headingcold extrusion applications:			
	4954:2018	Part 1 wrought carbon and low			
	IC 111(0 /P + 2)	alloy steels	A 7 0010	4	NI (P. 1.1.
8	IS 11169 (Part 2):	Steels for cold heading/cold	April, 2019	1	Not Equivalent
		extrusion applicationsspecification:			
	Reviewed In: 2019	Part 2 stainless steels			
	ISO 4954	CTEEL C EOD COLD			Not Equipolant
9	IS 11169 (Part 2): 2023	STEELS FOR COLD HEADING/COLD EXTRUSION		-	Not Equivalent
	ISO 4954	APPLICATIONS part 2 stainless steels-SPECIFICATION (first			
		revision)			
10	IS 11185 : 1984	Specification for technical supply	April, 2024	1	Indigenous
10	13 11103 . 1704	Specification for technical supply	Aprii, 2024		murgenous

	Reviewed In: 2024	conditions for hot rolled and forged steel bars for use in machine tool industry			
11	IS 11946 : 1987 Reviewed In : 2023	Specification for soft magnetic iron strips	March, 2023	2	Indigenous
12	IS 11947 : 1987 Reviewed In : 2023	Specification for soft magnetic iron rods, bars, flats and sections	March, 2023	1	Indigenous
13	IS 11952 : 1986 Reviewed In : 2024	Specification for steels for piston pins (Gudgeon Pins)	April, 2024	1	Indigenous
14	IS 12045 : 1987 Reviewed In : 2023	Specification for alloys used in electrical resistance metallic heating elements	March, 2023	1	Indigenous
15	IS 12145 : 1987 Reviewed In : 2024	Specification for quenched and tempered alloy steel forgings for pressure vessels	April, 2024	1	Indigenous
16	IS 12146 : 1987 Reviewed In : 2023	Specification for carbon manganese steel forgings for pressure vessels	March, 2023	1	Indigenous
17	IS 12390 : 1988 Reviewed In : 2024	Specification for iron nickel alloy 36 for ceramic sealing	April, 2024	-	Indigenous
18	IS 12391 : 1988 Reviewed In : 2024	Specification for iron nickel controlled expansion sealing alloys	April, 2024	-	Indigenous
19	IS 12549 : 1988 Reviewed In : 2024	Specification for iron nickel cobalt sealing alloy	April, 2024	-	Indigenous
20	IS 12658 : 2024	Grinding media rolledforged carbon and Carbon - Chromium steels - Specification First Revision		-	Indigenous
21	IS 12836 : 1989 Reviewed In : 2019	36 - Nickel iron soft magnetic rods - Specification	April, 2019	-	Indigenous
22	IS 12881 : 1990 Reviewed In : 2019	36 - Nickel iron soft magnetic strips - Specification	April, 2019	-	Indigenous
23	IS 12882 : 1990 Reviewed In : 2024	48 - Nickel iron soft magnetic strip - Specification	April, 2024	-	Indigenous
24			Indigenous		
25	IS 13387 : 1992 Reviewed In : 2024	Tool steel forgings for metal forming - Specification	April, 2024	1	Indigenous
26	IS 13795 (Part 1): 1993 Reviewed In: 2024 Decision taken to Reaffirm and Archive	Glossary of terms relating to special alloys	April, 2024	-	Indigenous
27	IS 14331 : 1995 Reviewed In : 2023	Steels for high temperature bolting applications - Specification	March, 2023	1	Indigenous
28	IS 14652 : 1999 Reviewed In : 2023	18 percent nickel maraging steel bars and rods - Specification	March, 2023	1	Indigenous
29	IS 14698 : 1999 Reviewed In : 2023	Carbon and low alloy steel billets, blooms, slabs and bars for manufacture of shell bodies and proof shots used in defence services - Specification	March, 2023	-	Indigenous
30	IS 1570 (Part 1): 1978 Reviewed In: 2024 Decision taken to Reaffirm and Archive	Schedules for wrought steels: Part 1 steels specifed by tensile and/or yield properties (First Revision)	April, 2024	1	Indigenous

31	IS 1570 (Part 2/Sec 1): 1979 Reviewed In: 2021	Schedules for wrought steels: Part 2 carbon steels (Unalloyed Steels): Sec 1 wrought products (Other	March, 2021	-	Indigenous
		Than Wires) with specified chemical composition and related properties (First Revision)			
32	IS 1570 (Part 2/Sec 2): 1987 Reviewed In: 2024 Decision taken to Reaffirm and Archive	Schedules for wrought fteels: Part 2 carbon steels (Unalloyed Steels): Sec 2 carbon steel wires with related properties (First Revision)	April, 2024	-	Indigenous
33	IS 1570 (Part 3): 1979 Reviewed In: 2024 Decision taken to Reaffirm and Archive	Schedules for wrought steels: Part 3 carbon and carbon - Manganese free cutting steels (First Revision)	April, 2024	-	Indigenous
34	IS 1570 (Part 4): 1988 Reviewed In: 2023	Schedules for wrought steels: Part 4 alloy steels (Alloy Constructional And Spring Steels) with specified chemical composition andd mechanical properties (First Revision)	March, 2023	-	Indigenous
35	IS 1570 (Part 5): 1985 Reviewed In: 2023	Schedules for wrought steels: Part 5 stainless and heat - Resisting steels (Secoind Revision)	March, 2023	-	Indigenous
36	IS 1570 (Part 6): 1996 Reviewed In: 2023	Schedules for wrought steels: Part 6 carbon and alloy tool steels (First Revision)	March, 2023	-	Indigenous
37	IS 1570 (Part 7): 1992 Reviewed In: 2024 Decision taken to Reaffirm and Archive	Schedule for wrought steels: Part 7 steels for elevated temperature service (Creep Resistant Steels)	April, 2024	-	Indigenous
38		Low nickel austenitic stainless steel plate, sheet, and strip for utensils and kitchen appliances - Specification	October, 2022	2	Indigenous
39	IS 16733 : 2018 ISO 11692 : 1994 Reviewed In : 2024 ISO 11692:1994	Ferritic-Pearlitic Engineering Steels for Precipitation Hardening from Hot-Working Temperatures	March, 2024	-	Identical under dual numbering
40	IS 17111 : 2019 ISO 683-17 : 2014 Reviewed In : 2024 ISO 683-17	Heat - Treated steels, alloy steels and free - Cutting steels - Ball and roller bearing steels	March, 2024	-	Identical under dual numbering
41	Reviewed In: 2024 Decision taken to Reaffirm and Archive	Commentary on indian standard schedules for wrought steels: Part 1 steels specified by tensile and/or yield properties [complementary to IS: 1579 (Part 1) - 19781] (First Revision)	April, 2024	-	Indigenous
42	IS 1871 (Part 2): 1987 Reviewed In: 2024 Decision taken to Reaffirm and	Commentary on Indian Standard schedules for wrought steels: Part 2 carbon steels (Unalloyed Steels) ccomplementary to is: 1570 (Part 2) - 19791 (First Revision	April, 2024	-	Indigenous

	Archive	1		1	I
43	IS 1871 (Part 3):	Commentary on Indian Standard	April, 2024	-	Indigenous
	1987	schedules for wrought steels: Part 3	1 /		
	Reviewed In: 2024	carbon and carbon manganese free			
	Decision taken to	cutting steels [comp!ementary to is			
	Reaffirm and	: 1570 (Part 3) - 1979] (First			
	Archive	Revision)			
44	IS 18755 : 2024	Tri-ply SS-AL-SS material used for		-	Indigenous
		manufacture of utensils and			
		kitchen appliances Specification			
45	IS 1956 (Part 6):	Glossary of terms relating to iron	March, 2023	2	Indigenous
	1976	and steel: Part 6 forging (Including			_
	Reviewed In: 2023	Drop Forging) (First Revision)			
46	IS 2004 : 1991	Carbon steel forgings for general	March, 2023	-	Indigenous
	Reviewed In: 2023	engineering purposes -			
		Specification (Third Revision)			
47	IS 2611 : 1964	Specification for carbon chromium	March, 2023	-	Indigenous
	Reviewed In: 2023	molybdenum steel forgings for			
		high temperature service			
48	IS 3261 : 1980	Specification for carbon steel	March, 2023	-	Indigenous
	Reviewed In: 2023	forgings for shipbuilding industry			
		(First Revision)			
49	IS 3431 : 1982	Specification for steel for the	March, 2022	3	Indigenous
	Reviewed In: 2022	manufacture of volute helical and			
		laminated springs for automotive			
		suspension (Second Revision)			
50	IS 3445 : 1992	Forged steel rolls - Specification	April, 2024	-	Indigenous
	Reviewed In: 2024	(First Revision)			
51	IS 3469 (Part 13):	Tolerances for closed die steel	March, 2023	-	Indigenous
	1974	forgings (First Revision)			
	Reviewed In: 2023				
52	IS 3479 : 1966	General requirements for steel	March, 2023	-	Indigenous
	Reviewed In: 2023	drop, upset and press forgings			
53	IS 3739 : 1987	Dimensional tolerances for carbon	March, 2023	-	Indigenous
	Reviewed In: 2023	and alloy constructional steel (First			
		revision)			
54	IS 3748 : 2022	Tool Steels - Specification		-	Identical under dual
	4957:2018				numbering
	4957:2018				
55	IS 3930 : 1994	Flame and induction hardening	April, 2024	-	Indigenous
	Reviewed In: 2024	steels - Specification (Second			
	YO 40 (# 1001	Revision)		1 -	T .:
56	IS 4367 : 1991	Alloy steel forgings for general	April, 2024	2	Indigenous
	Reviewed In: 2024	industrial use - Specification (First			
	IC 4240 1045	Revision)	A 11 0004	1	T. 12
57	IS 4368 : 1967	Specification for alloy steel billets,	April, 2024	1	Indigenous
	Reviewed In: 2024	blooms and slabs for forging for			
50	IC 4200 - 1004	general engineering purposes	A = ::11 000.4	1 2	T. 3'
58	IS 4398 : 1994	Carbon - Chromium steel for the	April, 2024	3	Indigenous
	Reviewed In: 2024	manufacture of balls, rollers and			
		bearing races - Specification			
50	IC 4421 - 1070	(Second Revision)	A:1 2024	1 2	Not E
59	IS 4431 : 1978	Specification for carbon and	April, 2024	2	Not Equivalent
	Reviewed In: 2024	carbon manganese free cutting			
40	ISO 683-4	steels (First Revision)	A paril 2024	1	Not Equipolant
60	IS 4432 : 1988	Specification for case hardening	April, 2024	1	Not Equivalent
	Reviewed In: 2024	steels (First Revision)			
61	ISO 683-3 IS 4454 (Part 4):	Steel wires for mechanical springs:	March, 2022	2	Not Equivalent
01	15 7754 (1 all 4).	Steel wifes for incenanical springs.	ivialcii, 2022		140t Equivalent

1	2001	Part 4 stainless steel wire (Second		1	I
	Reviewed In: 2022	Revision)			
	ISO 6931-1	ŕ			
62	IS 5517 : 1993	Steels for hardening and tempering	April, 2024	3	Not Equivalent
	Reviewed In: 2024	- Speicification (Second Revision)			
	ISO 683-1 & 2				7.11
63	IS 5518 : 1996	Steels for die blocks for drop	April, 2024	-	Indigenous
	Reviewed In: 2024	forging - Specification (Second Revision)			
64	IS 5522 : 2014	Stainless steel sheets and strips for	April, 2024	2	Indigenous
	Reviewed In: 2024	utensils - Specification (Third		_	Indigenous
		Revision)			
65	IS 5651 : 1987	Specification for steels for	April, 2024	1	Indigenous
	Reviewed In: 2024	pneumatic tools (First Revision)			
	Decision taken to				
	Reaffirm and				
66	Archive IS 6528 : 1995	Stainless steel wire - Specification	March, 2023		Not Equivalent
00	Reviewed In : 2023	(First Revision)	March, 2025	-	Not Equivalent
	ISO I6143-3	(Trist Revision)			
67	IS 6529 : 1996	Stainless steel blooms, billets and	March, 2023	2	Indigenous
	Reviewed In: 2023	slabs for forging - Specification	,		
		(First Revision)			
68	IS 6603 : 2024	Stainless Steel Semi-Finished		-	Not Equivalent
	ISO I6143-2	Products, Bars, Wire Rods and			
		Bright Bars â€" Specification			
69	IS 6911 : 2017	(Second Revision)	Monah 2022	5	Not Equivalent
09	15 0911 ; 2017	Stainless steel plate, sheet and strip - Specification (Second Revision)	March, 2022	3	Not Equivalent
	Reviewed In: 2022	- Specification (Second Revision)			
	ISO 9444-1 &2,				
	9445-1 &2,15510,				
70	IS 7494 : 2023	ALLOYS FOR INTERNAL		-	Not Equivalent
	ISO 683-15:1992	COMBUSTION ENGINE VALVE			
		APPLICATIONS �			
		SPECIFICATION (Second			
71	IS 8748 : 2023	Revision) FORGED/ ROLLED CTC		 	Indigenous
'	15 07 10 : 2025	SEGMENTS -SPECIFICATION			margenous
		(First Revision)			
72	IS 9100 : 1979	Methods of sampling steel forgings	March, 2023	-	Indigenous
	Reviewed In: 2023				
73	IS 9294 : 2023	COLD-ROLLED STAINLESS		-	Indigenous
		STEEL STRIPS FOR RAZOR			
		BLADES - Specification (First Revision)			
74	IS 9516 : 1980	Specification for heat resisting	April, 2024	2	Not Equivalent
	Reviewed In: 2024	steels	1 / -		1
	ISO 4955				
75	IS 963 : 1958	Specification for chrome	February, 2021	3	Indigenous
	Reviewed In: 2021	molybdenum steel bars and rods			
7.0	10 0702 1000	for aircraft purposes	M1- 2002	1	T _m 1!
76	IS 9683 : 1980 Reviewed In : 2023	Specification for carbon and low alloy steel forgings for fired and	March, 2023	-	Indigenous
	Kevieweu III : 2023	unfired pressure vessels			
77	IS 9684 : 2024	TECHNICAL CONDITIONS		_	Indigenous
''		FOR THE SUPPLY OF THE HOT			
		ROLLED BILLETS, BLOOMS,			
		SLABS AND BARS FOR			
I	I	ı		1	I

Standards under Development

		Projects Approved
SI. No.	Doc No.	Title
1	MTD 16 (22223) Revision	CARBON AND LOW ALLOY STEEL BILLETS BLOOMS SLABS AND BARS FOR
	of: IS 14698:1999	MANUFACTURE OF SHELL BODIES AND PROOF SHOTS USED IN DEFENCE SERVICES - SPECIFICATION
2	MTD 16 (22224) Revision of: IS 14652:1999	18 percent nickel maraging steel bars and rods - Specification
3	MTD 16 (22238) Revision of: IS 6529:1996	Stainless steel blooms billets and slabs for forging - Specification
4		SPECIFICATION FOR CARBON AND LOW ALLOY STEEL FORGINGS FOR FIRED AND UNFIRED PRESSURE VESSELS FIRST REVISION
5		METHODS OF SAMPLING STEEL FORGINGS FIRST REVISION
6	MTD 16 (22242) Revision of: IS 1956:1976	GLOSSARY OF TERMS RELATING TO IRON AND STEEL PART 6 FORGINGINCLUDING DROP FORGING SECOND REVISION
7	MTD 16 (22243) Revision of: IS 3469:1974	TOLERANCES FOR CLOSED DIE STEEL FORGINGS SECOND REVISION
8	MTD 16 (22244) Revision of: IS 11946:1987	SPECIFICATION FOR SOFT MAGNETIC IRON STRIPS FIRST REVISION
9	MTD 16 (22245) Revision of: IS 11947:1987	SPECIFICATION FOR SOFT MAGNETIC IRON RODS BARS FLATS AND SECTIONS FIRST REVISION
10	, , ,	SPECIFICATION FOR ALLOYS USED IN ELECTRICAL RESISTANCE METALLIC HEATING ELEMENTS FIRST REVISION
11	` ′	SPECIFICATION FOR CARBON-MANGANESE STEEL FORGINGS FOR PRESSURE VESSELS FIRST REVISION

	Preliminary Draft Standards				
SI. No.	Doc No.	Title			
1	MTD 16 (26393)	Stainless steel sheets and strips for utensils - Specification Third Revision Amendment - 1			

	Drafts Standards in WC Stage				
SI. No.	Doc No.	Title			
1	MTD 16 (22234) Revision	Specification for Machining allowances and tolerances for open die steel forgings Part 2 high alloy			
	of: IS 10604:1983	steel forgings			

	Draft Standards Completed WC Stage						
SI. No.	Doc No.	Title					
1	MTD 16 (22233) Revision	Specification for machining allowances and tolerances for open die steel forgings Part 1 carbon					
	of: IS 10604:1983	and low alloy steel forgings Part 1 carbon and low alloy steel forgings					
2	MTD 16 (22240) Revision	GENERAL REQUIREMENTS FOR STEEL DROP UPSET AND PRESS FORGINGS FIRST					
	of: IS 10604:1983	REVISION					
3	MTD 16 (25873) Revision	Heat - Treated steels alloy steels and free - Cutting steels - Ball and roller bearing steels					
	of: IS 10604:1983						

	Finalized Draft Indian Standard				
SI. No.	Doc No.	Title			
	No Records Found				

	Finalized Draft Indian Standards under Print					
SI. No.	Doc No.	Title				
1	MTD 16 (15634) Revision	Stainless steel wire - Specification Second Revision				
	of: IS 6528:1995					
2	MTD 16 (25131)	Specification for iron nickel alloy 36 for ceramic sealing Amendment - 1				
3	MTD 16 (25282)	Forged steel rolls - Specification First Revision Amendment - 1				
4	MTD 16 (25285)	Specification for iron nickel controlled expansion sealing alloys Amendment - 1				
5	MTD 16 (25287)	Specification for iron nickel cobalt sealing alloy Amendment - 1				
6	MTD 16 (25290)	36 - Nickel iron soft magnetic rods - Specification Amendment - 1				
7	MTD 16 (25292)	36 - Nickel iron soft magnetic strips - Specification Amendment - 1				
8	MTD 16 (25294)	48 - Nickel iron soft magnetic strip - Specification Amendment - 1				

Total Published Standards:75 Total Standards Under development:24

Aspect Wise Report

Product: 55
Code of Practices: 4
Methods of Test: 0
Terminology: 2
Dimensions: 12
System Standard: 0
Safety Standard: 0
Others: 3
ryice Specification: 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 1870 : 1965	Comparison of Indian and overseas standards for wrought steels for general engineering purposes
	Reviewed In: 2014	
2	IS 3749 : 1978	Tool and die steels for cold work
3	IS 4430 : 1979	Specification for mould steels First Revision
	Reviewed In: 2019	
4	IS 5489 : 1975	Specification for carburizing steels for use in bearing industry First Revision
	Reviewed In: 2019	
5	IS 6527 : 1995	Stainless steel wire rods - Specification First Revision
	Reviewed In: 2024 ISO	
	I6143-2	
6	IS 7291 : 1981	Specification for high speed tool steels First Revision
	Reviewed In: 2019 ISO 683	
7	IS 9175 (Part 1): 1979	Rationalized steels for the automobile and ancillary industry Part 1 chemical composition
	Reviewed In: 2019	
8	IS 9175 (Part 2): 1985	Specification for rationalized steels for automobile and ancillary industry mechanical and physical
	Reviewed In: 2019	properties Part 2 15c8 grade steel
9	IS 9175 (Part 3): 1985	Specification for rationalized steels for automobile and ancillary industry mechanical and physical
	Reviewed In: 2019	properties Part 3 25c8 grade steel
10	IS 9175 (Part 4): 1985	Specification for rationaljzed steels for automobile and ancillary industry mechanical and physical
	Reviewed In: 2019	properties Part 4 30c8 grade steel
11	IS 9175 (Part 5): 1985	Specification for rationalized steels for automobile and ancillary industry mechanical and physical
	Reviewed In: 2019	properties Part 5 35c8 grade steel
12	IS 9175 (Part 6): 1986	Specification for rationalized steels for the automobile and ancillary industry Part 6 mechanical
	Reviewed In: 2019	and physical properties of 4oc8 grade steel
13	IS 9175 (Part 7): 1986	Specification for rationalized steels for the automobile and ancillary industry Part 7 mechanical

	Reviewed In: 2019	and physical properties of 45c8 grade steel
14	IS 9175 (Part 8): 1985	Specification for rationalized steels for automobile and ancillary industry mechanical and physical
	Reviewed In: 2019	properties Part 8 55c8 grade steel
15	IS 9175 (Part 9): 1985	Specification for rationalized steels for automobile and ancillary industry mechanical and physical
	Reviewed In: 2019	properties Part 9 11c10s25 grade steel
16	IS 9175 (Part 10): 1985	Specification for rationalized steels for automobile and ancillary industry mechanical and physical
	Reviewed In: 2019	properties Part 10 14c14s14 grade steel
17	IS 9175 (Part 11): 1985	Specification for rationalized steels for automobile and ancillary industry mechanical and physical
	Reviewed In: 2019	properties Part 11 25c12s14 grade steel
18	IS 9175 (Part 12): 1988	Specification for rationalized steels for the automobile and ancillary industry Part 12 mechanical
	Reviewed In: 2019	and physical properties of 35 mn6mo3s15
19	IS 9175 (Part 13): 1987	Specification for rationalized steels for the automobile and ancillary industry Part 13 mechanical
	Reviewed In: 2019	and physical properties of 40c15s12 grade steel
20	IS 9175 (Part 15): 1987	Specification for rationalized steels for the automobile and ancillary industry Part 15 mechanical
	Reviewed In: 2019	and physical properties of 37c15 grade steel
21	IS 9175 (Part 16): 1987	Specification for rationalized steels for the automobile and ancillary industry Part 16 mechanical
	Reviewed In: 2019	and physical properties of 35mn6mo3 grade steel
22	IS 9175 (Part 17): 1987	Specification for rationalized steels for the automobile and ancillary industry Part 17 mechanical
	Reviewed In: 2019	and physical properties of 35mn6mo4 grade steel
23	IS 9175 (Part 18): 1987	Specification for rationalized steels for the automobile and ancillary industry Part 18 mechanical
	Reviewed In: 2019	and physical properties of 15cr3 grade steel
24	IS 9175 (Part 19): 1986	Rationalized steels for the automobile and ancillary industry Part 19 mechanical and physical
	Reviewed In: 2019	properties of 16mn5cr4 grade steel
25	IS 9175 (Part 20): 1986	Rationalized steels for the automobile and ancillary industry Part 20 mechanical and physical
	Reviewed In: 2019	properties of 20mnCr5 grade steel
26	IS 9175 (Part 21): 1987	Specification for rationalized steels for the automobile and ancillary industry Part 21 mechanical
	Reviewed In: 2019	and physical properties of 40cr4 grade steel
27	IS 9175 (Part 22): 1987	Specification for rationalized steels for the automobile and ancillary industry Part 22 mechanical
	Reviewed In: 2019	and physical properties of 40cr4mo3 grade steel
28	IS 9175 (Part 23): 1987	Specification for rationalized steels for the automobile and ancillary industry Part 23 mechanical
	Reviewed In: 2019	and physical properties of 25cr13mo6 grade steel
29	IS 9175 (Part 24): 1987	Specification for rationalized steels for the automobile and ancillary industry Part 24 mechanical
	Reviewed In: 2019	and physical properties of 35ni5cr2 grade steel
30	IS 9175 (Part 25): 1987	Secification for rationalized steels for the automobile and ancillary industry Part 25 mechanical
	Reviewed In: 2019	and physical properties of 15ni5cr4mol grade steel
31	IS 9175 (Part 26): 1986	Rationalized steels for the automobile and ancillary industry Part 26 mechanical and physical
22	Reviewed In : 2019	properties of 16ni3cr2 grade steel
32	IS 9175 (Part 27): 1987	Specification for rationalized steels for the automobile and ancillary industry Part 27 mechanical
22	Reviewed In : 2019	and physical properties of 15ni7cr4mo2 grade steel
33	IS 9175 (Part 28) : 1987	Specification for rationalized steels for the automobile and ancillary industry Part 28 mechanical
2.4	Reviewed In : 2019	and physical properties of 40ni6cr4mo3 grade steel
34	IS 9175 (Part 29): 1987	Rationalized steels for the automobile and ancillary industry Part 29 mechanical and physicl
25	Reviewed In : 2019	properties of of 40ni10cr3mo6 grade steel Specification for rationalized steels for the automobile and ancillary industry Part 30 mechanical
35	IS 9175 (Part 30) : 1987	and physical properties of 20ni7crMo2 grade steel
36	Reviewed In : 2019 IS 9175 (Part 31) : 1987	Specification for rationalized steels for the automobile and ancillary industry Part 31 mechanical
30	Reviewed In : 2019	and physical properties of 20ni7mo2 grade steel
37	IS 9175 (Part 32) : 1987	Specification for rationalized steels for the automobile and ancillary industry Part 32 mechanical
31	Reviewed In : 2019	and physical properties of 2onicrmo2 grade steel
38	IS 9175 (Part 33): 1988	Specification for rationalized - steels for the automobile and ancillary industry Part 33 mechanical
50	Reviewed In : 2019	and physical properties of 42cr6v10 grade steel
39	IS 9175 (Part 34) : 1986	Rationalized steels for the automobile and ancillary industry Part 34 mechanical and physical
	Reviewed In : 2019	properties of 14crNi6 grade steel
	100 110 Wed 111 , 2017	properties of Freitho grade steel

Annexure-II : List of Indian Product Standards

SI. No.	IS No. & Year	Title
1	IS 10631 : 1983	Specification for stainless steel for welding electrode core wire
	Reviewed In: 2024	

2	IS 10632 (Part 1): 1983	Specification for non magnetic stainless steels for electrical applications Part 1 general
	Reviewed In: 2024	requirements
3	IS 10632 (Part 2): 1983	Specification for non magnetic stainless steels for electrical applications Part 2 specific
	Reviewed In: 2024	requirements for binding wires
4	IS 10632 (Part 3): 1983	Specification for non magnetic stainless steels for electrical applications Part 3 specific
	Reviewed In: 2024	requirements for sheets strips and plates
5	IS 11169 (Part 1): 2022	Specification for steels for cold headingcold extrusion applications Part 1 wrought carbon and low
	1833-13:2019	alloy steels
6	IS 11169 (Part 2): 2023	STEELS FOR COLD HEADING COLD EXTRUSION APPLICATIONS part 2 stainless steels-
		SPECIFICATION first revision
7	IS 11946 : 1987	Specification for soft magnetic iron strips
'	Reviewed In: 2023	Spooniounon for soft magnetic from surps
8	IS 11947 : 1987	Specification for soft magnetic iron rods bars flats and sections
	Reviewed In: 2023	specification for bott magnetic from four faits and sections
9	IS 11952 : 1986	Specification for steels for piston pins Gudgeon Pins
	Reviewed In : 2024	Specification for steels for piston pins dudgeon fins
10	IS 12045 : 1987	Specification for alloys used in electrical resistance metallic heating elements
	Reviewed In : 2023	Specification for anoys used in electrical resistance metaling elements
11	IS 12145 : 1987	Specification for quenched and tempered alloy steel forgings for pressure vessels
11	Reviewed In : 2024	Specification for quenched and tempered anoy steel forgings for pressure vessels
12	IS 12146 : 1987	Specification for carbon manganese steel forgings for pressure vessels
12	Reviewed In : 2023	Specification for carbon manganese steer forgings for pressure vessels
13	IS 12390 : 1988	Specification for iron nickel alloy 36 for ceramic sealing
13	Reviewed In : 2024	Specification for from flicker alloy 50 for cerainic searing
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