

AGENDA

20th MEETING OF ABRASSIVES SECTIONAL COMMITTEE, PGD 09

5th December 2024
Thursday

Venue: Through Video Conference [WebEx]

<https://bismanak.webex.com/bismanak/j.php?MTID=mdbb3ade6c9004b2ac23f55be16a1a5bd>



भारतीय मानक ब्यूरो
मानक भवन, 9 बहादुरशाह ज़फ़र मार्ग,
नई दिल्ली - 110002

BUREAU OF INDIAN STANDARDS
MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG
NEW DELHI – 110002

BUREAU OF INDIAN STANDARDS

AGENDA	DAY & DATE	TIME	VENUE
20 th MEETING OF ABRASIVES SECTIONAL COMMITTEE, PGD 09	Thursday, 5 th December 2024	1100	Through Video Conference [WebEx]

Meeting Link <https://bismanak.webex.com/bismanak/j.php?MTID=mdbb3ade6c9004b2ac23f55be16a1a5bd>

Password PGD09

Chairman **Shri Niranjan Sahasrabudhe,**
In Personal Capacity

Member Secretary **Shri Ajay Kumar**
Scientist – C, Production and General Engineering Dept. BIS

Item 0. GENERAL**0.0 Welcome by the Head (PGD)/ Member Secretary****0.1 Opening remarks by the Chairman****Item 1 CONFIRMATION OF THE MINUTES OF THE PREVIOUS MEETING**

The minutes of the 19th meeting of the Abrasives Sectional Committee, PGD 09 held on 29th May 2024 through video conferencing [WebEx] were circulated on 14th June 2024.

No comments have been received. The Committee may formally confirm the minutes.

Item 2 COMPOSITION OF THE SECTIONAL COMMITTEE

The composition shall be reviewed in every Sectional Committee meeting. The present composition of Abrasive Sectional Committee, PGD 09 is given in Annex I (**Page 8-9**)

Item 3 ISSUES ARISING OUT OF THE PREVIOUS MEETING

Sl No.	Subject	Decision taken in the last meeting	Current Status
3.1	Revision of IS 1004 : 1980 Specification for valve grinding compound (<i>First Revision</i>) IS 10489 : 1983 Specification for steel dresser for abrasive wheels IS 11643 : 1985 Specification for silicon carbide for bonded abrasive products	Shri Eashwar Kumar Katarinagaraj from M/S Grindwell Norton Limied, Mumbai volunteered to review these standards.	No change has been recommended for these standards. The committee may deliberate and decide.

	IS 12099 : 1987 Specification for triangular polishing blocks for the use in floor polishing machines		
Revision of	IS 11026 : 1984 Specification for razor hone	Shri Niranjan Sahasrabudhe (<i>Chairperson</i>) volunteered to review the standard.	No change has been recommended for this standard. The committee may deliberate and decide.
Revision of	IS 1249 : 1997 Recommendations for selection of grinding wheels (Second Revision) IS 12686 : 1989 Abrasives - Diamond or cubic boron nitride micron powder sizes. IS 2817 : 1965 Methods for sampling of coated abrasives	Shri P Jagadeesan from M/S Carborundum Universal Limited, Chennai volunteered to review the standard.	No change has been recommended for IS 1249. Review input for IS 12686 and IS 2817 are still awaited. The committee may deliberate and decide.
Revision of	IS 10519 : 1983 Specification for diamond abrasive circular segmental saws IS 13520 : 1992 Diamond abrasive frame saw blades – Specification IS 13521 : 1992 Marking system for diamond/cubic boron nitride abrasive products IS 12686 : 1989 Abrasives - Diamond or cubicboron nitride micron powder sizes	Shri Hemant Shah from M/S Industrial Diamond Association of India, Mumbai volunteered to review the standard.	Inputs are still awaited. The committee may deliberate and decide.
Revision of	IS 1991 (Part 1) : 1987/ ANSI B.7.1 Safety requirements for the use, care and protection of abrasive grinding wheels : Part 1 definitions (Second Revision) IS 1991 (Part 2) : 1987/ANSI B.7.1 Safety requirements for the use, care and protection of abrasive grinding wheels: Part 2 handling and storage (Second Revision) IS 1991 (Part 3) : 1987/ANSI B.7.1 Safety requirements for the use, care and protection of abrasive grinding wheels: Part	Shri Ajay Despande volunteered to review the standard.	Comments are still awaited from Shri Ajay Despande. He has requested the latest copy of ANSI B7.1, which is currently not available with BIS library. The committee may deliberate and decide.

	3 general machine requirements (second revision)		
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Item 4 DRAFT STANDARDS/AMENDMENTS FOR FINALIZATION

Following draft have successfully completed wide circulation stage and no comments are received. Committee may decide to finalize the draft without changes and deliberate for further action.

4.1 PGD/09/26409 (Identical To: ISO 603-8:1999) Bonded abrasive products — Dimensions Part 8: Grinding wheels for deburring and fettling/snagging

4.2 PGD/09/26410 (Identical To: ISO 603-9:1999) Bonded abrasive products — Dimensions Part 9: Grinding wheels for high-pressure grinding

4.3 PGD/09/26412 (Identical To: ISO 603-14:1999) Bonded abrasive products Dimensions Part 14: Grinding wheels for deburring and fettlingsnagging on an angle grinder

4.4 PGD/09/26556 (Identical To: IS/ISO 603-15 : 1999) Bonded abrasive products — Dimensions Part 15: Grinding wheels for cutting-off on stationary or mobile cutting-off machines

4.5 PGD/09/26414 (Identical To: ISO 603-16:1999) Bonded abrasive products -- Dimensions Part 16: Grinding wheels for cutting-off on hand held power tools

Item 5 INTERNATIONAL ACTIVITIES

5.1 BIS, as a founder member of International Organization for Standardization (ISO), actively participate in standardization activities at international level including participation in its policy making bodies like Development Committee (DEVCO), Committee on Conformation Assessment (CASCO) and Committee on Consumer Policy (COPALCO). The membership status of India (BIS) on the ISO Technical Committees (ISO/ TC) and Sub-Committees (SC) related to Abrasives Sectional Committee, PGD 9 is as given below:

ISO/TC 29 Small tools	ISO/TC 29/SC 5 Grinding wheels and abrasives	ISO/TC 29/SC 5/WG 3 Coated Abrasives
		ISO/TC 29/SC 5/WG 5 Bonded Abrasives
		ISO/TC 29/SC 5/WG 7 Grain Characteristics
		ISO/TC 29/SC 5/WG 8 Grain characteristics and grain sizes of diamond or cubic boron nitride
		ISO/TC 29/SC 5/WG 9 Super abrasives

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Item 6 REVISION OF INDIAN STANDARDS HARMONIZED WITH ISO

PGD 9 has adopted the ISO standards as Indian Standards as given below and some of which are revised by ISO. The Committee may discuss and decide about the revision of IS/ISO Standard by the adoption of the latest published ISO standard.

The committee may please deliberate and decide in aligning them to the latest version of ISO standard.

Sl No.	IS No.	IS Title	ISO Standard status
1.	IS 14992 : 2012 ISO 3919 : 2005	Coated abrasives --Flap wheels with shaft (First Revision)	Amendment has been issued in year 2014
2.	IS 15287 (Part 1) : 2003 ISO 6344-1	Coated abrasives --Grain size analysis: Part 1 grain size distribution test	Standard has been withdrawn. Revised by ISO 6344-2:2021 and ISO 6344-3:2021
3.	IS 15287 (Part 3) : 2018 ISO 6344-3 : 2013	Coated abrasives -- Grain size analysis: Part 3 determination of grain size distribution of microgrits P240 to P2500 (First Revision)	Standard has been revised in year 2021
4.	IS 15425 : 2004 ISO 9137	Abrasive grains -- Determinations of capillarity	Standard has been withdrawn
5.	IS/ISO 21949-2001 : 2001 ISO 21949 : 2001	Coated abrasives --Plain sheets with holes for dust extraction	Standard has been revised in year 2024
6.	IS/ISO 21951 : 2001 ISO 21951 : 2001	Coated abrasives -- Plain discs with holes for dust extraction	Standard has been revised in year 2024
7.	IS 551 : 2018 ISO 525 : 2013	Bonded abrasive products -- General requirements (Fourth Revision)	Standard has been revised in year 2020

Item 7 PROGRAM OF WORK

The present program of work of Abrasives Sectional Committee, PGD 09 is given in Annex II (Page 10-18)

Item 8 DATE AND PLACE OF NEXT MEETING

Sl. No	DATE	VENUE

Item 9**ANY OTHER BUSINESS**

The e-mail address of BIS is as follows:

BIS: info@bis.gov.in

Website: www.bis.gov.in

For downloading the published Indian Standards please visit:

<https://standardsbis.bsbedge.com/>

ANNEX I

(Item 2)

Abrasives Sectional Committee, PGD 09

Seventeenth Meeting	19 June 2023	Through WebEx
Eighteenth Meeting	28 Nov 2023	Through WebEx
Nineteenth Meeting	29 May 2024	Through WebEx

Sl No.	Organization	Principal/Alternate	Email/Phone	Attendance			
				17 th	18 th	19 th	
1	In personal Capacity	Shri. Niranjan Sahasrabudhe (Chairman)	Niranjanss56@gmail.com,	P	P	P	3/3
2	3M India Limited, Bengaluru	Shri S. Peter Paulraj	speterpaulraj@mmm.com	A	P	A	1/3
		Shri Madhukesh Bilagoji	mbbilagoji@mmm.com				
3	Bharat Heavy Electrical Limited, New Delhi	Shri. Gagan Kumar	gagan@bhel.in	A	P	P	2/3
		Shri Anand Kumar	anandks@bhel.in				
4	Bosch Limited, Bengaluru	Shri A P N Prabhakaran	APN.Prabhakaran@in.bosch.com	A	P	P	2/3
5	Carborundum Universal Limited, Chennai	Shri Viswanathan	viswanathanm@cumi.murugappa.com	A	P	P	2/3
		Shri P Jagadeesan	jagadeesanp@cumi.murugappa.com				
6	Defence Materials and Stores Research and Development Establishment, Pune	Shri Vinod Kumar Pandey	Vinu2pme@gmail.com	A	P	P	2/3
7	Directorate General of Quality Assurance, DQA (Stores), New Delhi	Shri D K Pujari	dk.pujart@gov.in	A	P	P	2/3
		Shri D K Mahopatra	dk.mohapatra0107@gov.in				
8	Grindwell Norton Limited, Mumbai	Shri Eashwar Kumar Katarinagaraj	Eswarkumar.Katarinagaraj@saint-gobain.com	P	P	P	3/3
		Shri D N Manjunatha	manjunatha.n@saint-gobain.com				
9							

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10	Industrial Diamond Association of India, Mumbai	Shri Hemant M. Shah	hemantshah@abtechindia.com	A	A	P	1/3
11	LBCR Corporation	Shri Santosh Anant Potnis	sanpot110@gmail.com	A	A	P	1/3
12	Tata Motors Limited, Pune	Shri Tushar Baviskar	Tushar.baviskar1@tatamotors.com	A	A	P	1/3
13	In personal Capacity	Shri Ajay Deshpande	ajayde@gmail.com	A	A	P	1/3

ANNEX II

(Item no. 10)

Scope : (a) Standardization in the field of coated abrasives, grinding wheels and diamond/cubic boron nitride abrasive tools (b) Coordination of work with: (i) ISO/TC 29/SC 5 Grinding wheels and abrasives(P-Member)

Sl No	IS No.	Title	Status
	IS 1004 : 1980	Specification for valve grinding compound (First Revision)	Indigenous
	IS 10489 : 1983	Specification for steel dresser for abrasive wheels	Indigenous
	IS 10519 : 1983 Reviewed In : 2020	Specification for diamond abrasive circular segmental saws	Indigenous
	IS 10986 : 2013 ISO 6104:2005 Reviewed In : 2023	Superabrasive products - Rotating grinding tools with diamond or cubic boron nitride - General survey, designation and multilingual nomenclature (First Revision)	Identical
	IS 11026 : 1984 Reviewed In : 2020	Specification for razor hone	Indigenous
	IS 11643 : 1985 Reviewed In : 2017	Specification for silicon carbide for bonded abrasive products	Indigenous
	IS 12099 : 1987 Reviewed In : 2020	Specification for triangular polishing blocks for the use in floor polishing machines	Indigenous
	IS 1249 : 1997 Reviewed In : 2018	Recommendations for selection of grinding wheels (Second Revision)	Indigenous
	IS 1262 : 2021	Specification for Bonded Abrasive Specialties	Indigenous
	IS 12686 : 1989 ANSI B 74.20 Reviewed In : 2020	Abrasives - Diamond or cubicboron nitride micron powder sizes	Indigenous
	IS 13520 : 1992 Reviewed In : 2020	Diamond abrasive frame saw blades - Specification	Indigenous
	IS 13521 : 1992 Reviewed In : 2020	Marking system for diamond/cubic boron nitride abrasive products	Indigenous
	IS/ISO 13942 : 2019 ISO 13942 : 2019 ISO 13942 : 2019	Bonded abrasive products — Limitdeviations and run-out tolerances	Identical
	IS 13998 : 2021	Multi-Point Diamond Impregnated Dressing Tools — Specification	Indigenous

IS 14369 : 1996 Reviewed In : 2020 ISO 1929 : 1974	Abrasive belts - Designation, dimensions and tolerances and selection of width/length combinations	Not Equivalent
IS 14370 : 1996 Reviewed In : 2020	Determination of magnetic matter in abrasives - Test methods	Indigenous
IS 14992 : 2012 ISO 3919 : 2005 Reviewed In : 2017 ISO 3919 : 2005	Coated abrasives - Flap wheels with shaft (First Revision)	Identical
IS 15066 : 2001 Reviewed In : 2020 ISO 5429:1977	Coated abrasives - Flap wheel with incorporated flanges or separate flanges - - designation and dimensions	Not Equivalent
IS 15287 (Part 1) : 2003 ISO 6344-1 Reviewed In : 2020 ISO 6344-1 : 1998	Coated abrasives - Grain size analysis: Part 1 grain size distribution test	Identical
IS 15287 (Part 2) : 2003 Reviewed In : 2020 ISO 6344-2 : 1998	Coated abrasives - Grain size analysis: Part 2 determination of grain size distribution of macrogrits P12 to P220	Identical
IS 15287 (Part 3) : 2018 ISO 6344-3 : 2013 ISO 6344-3 : 2013	Coated abrasives - Grain size analysis: Part 3 determination of grain size distribution of microgrits P240 to P2500 (First Revision)	Identical under dual numbering
IS 15287 (Part 3) : 2024 6344-3:2021	Coated Abrasives Determination and designation of grain size distribution Part 3 Microgrit sizes P240 to P5000	Identical under dual numbering
IS 15288 (Part 1) : 2003 ISO 8486-1:1996 Reviewed In : 2023 ISO 8486-1:1996	Bonded abrasives - Determination and designation of grain size distribution: Part 1 macrogrits F4 to F220	Identical under dual numbering
IS 15288 (Part 2) : 2018 Reviewed In : 2023 ISO 8486-2:2007	Bonded abrasives - Determination and designation of grain size distribution: Part 2 microgrits F 230 to F 1200 (First Revision)	Identical under dual numbering
IS 15289 (Part 1) : 2013	Abrasive grains - Determination of bulk	Identical under

ISO 9136-1:2004 Reviewed In : 2023ISO 9136-1: 2004	density: Part 1 macrogrits (First Revision)	dual numbering
IS 15289 (Part 2) : 2013 ISO 9136-2 :1999 Reviewed In : 2023ISO 9136-2 :1999	Abrasive grains - Determination of bulk density: Part 2 microgrits (First Revision)	Identical under dual numbering
IS 15290 : 2003 ISO 9138 Reviewed In : 2020 ISO 9138 : 1993	Abrasive grains - Sampling and splitting	Identical under dual numbering
IS 15290 : 2024 ISO 9138:2015	Abrasive Grains Sampling And Splitting	Identical under dual numbering
IS 15297 : 2018 ISO 6103: 2014 Reviewed In : 2023 ISO 6103 : 2014	Bonded abrasive products - Permissible unbalances of grinding wheels as delivered - Static testing (Second Revision)	Identical under dual numbering
IS 15299 : 2019 ISO 666: 2012 Reviewed In : 2023ISO 666 : 2012	Machine tools - Mounting of grinding wheels by means of hub flanges (Second Revision)	Identical under dual numbering
IS 15425 : 2004 ISO 9137 Reviewed In : 2021 ISO 9137 : 1990	Abrasive grains -- Determinations of capillarity	Identical under dual numbering
IS 15538 : 2018 ISO 9284 : 2013 ISO 9284 : 1994	Abrasive grains - Test sieving machines	Identical under dual numbering
IS 15555 : 2004 ISO 3310-3 Reviewed In : 2023ISO 3310-3:1990	Test sieves - Technical requirements and testing - Testsieves of electroformed sheets	Identical under dual numbering
IS/ISO 15635 : 2001 ISO 15635 : 2001 Reviewed In : 2023 ISO	Coated abrasives - Flap discs	Identical under single numbering

	15635 : 2001		
	IS 17097 : 2019 ISO 6106 ; 2013 Reviewed In : 2023 ISO 6106 : 2013	Abrasive products - Checking the grain size of superabrasives	Identical under dual numbering
	IS 17204 : 2019 ISO 22917 : 2016 Reviewed In : 2023 ISO 22917 : 2016	Precision Superabrasives " Limit Deviations and Run-out Tolerances for Grinding Wheels with Diamond or Cubic Boron Nitride	Identical under dual numbering
	IS 17206 : 2019 ISO 16057 : 2002 Reviewed In : 2023 ISO 16057 : 2002	Coated Abrasives " Vulcanized Fibre Discs	Identical under dual numbering
	IS 17207 (Part 1) : 2019 ISO 21537-1 : 2004 ISO 21537 -1: 2004	Clamping Flanges for Superabrasive Cutting-off Wheels Part 1 Natural Stone	Identical under dual numbering
	IS 17207 (Part 2) : 2019 ISO 21537-2 : 2004 Reviewed In : 2023 ISO 21537 -2: 2004	Clamping Flanges for Superabrasive Cutting-off Wheels Part 2 Building and Construction	Identical under dual numbering
	IS 1991 (Part 1) : 1987 ANSI B.7.1 Reviewed In : 2023	Safety requirements for the use, care and protection of abrasive grinding wheels : Part 1 definitions (Second Revision)	Indigenous
	IS 1991 (Part 2) : 1987 ANSI B.7.1 Reviewed In : 2023	Safety requirements for the use, care and protection of abrasive grinding wheels: Part 2 handling and storage (Second Revision)	Indigenous
	IS 1991 (Part 3) : 1987 ANSI B.7.1 Reviewed In : 2023	Safety requirements for the use, care and protection of abrasive grinding wheels: Part 3 general machine requirements (second revision)	Indigenous
	IS 1991 (Part 4) : 1988 ANSI B.7.1	Safety requirements for the use, care and protection of abrasive grinding wheels: Part 4 safety guards (Second Revision)	Indigenous

	Reviewed In : 2023		
	IS 1991 (Part 5) : 1987 ANSI B.7.1 Reviewed In : 2023	Safety requirements for the use, care and protection of abrasive grinding wheels: Part 5 flanges (Second Revision)	Indigenous
	IS 1991 (Part 6) : 1987 ANSI B.7.1 Reviewed In : 2023	Safety requirements for the use, care and protection of abrasive grinding wheels: Part 6 inspection and mounting (second revision)	Indigenous
	IS 1991 (Part 7) : 1987 ANSI B.7.1 Reviewed In : 2023	Safety requirements for the use, care and projection of abrasive grinding wheels: Part 7 standard speeds (Second Revision)	Indigenous
	IS 1991 (Part 8) : 1987 ANSI B.7.1 Reviewed In : 2023	Safety requirements for the use, care and protection of abrasive grinding wheels: Part 8 special speeds (Second Revision)	Indigenous
	IS 1991 (Part 9) : 1987 ANSI B.7.1 Reviewed In : 2023	Safety requirements for the use, care and protection of abrasive grinding wheels: Part 9 general operating rules (Second Revision)	Indigenous
	IS 1991 (Part 10) : 1987 ANSI B.7.1 Reviewed In : 2023	Safety requirements for the use, care and protection of abrasive grinding wheels: Part 10 mounted wheels (Second Revision)	Indigenous
	IS/ISO 21948 : 2001 ISO 21948 : 2001 Reviewed In : 2023 ISO 21948 : 2001	Coated abrasives - Plain sheets	Identical under single numbering
	IS/ISO 21949-2001 : 2001 ISO 21949 : 2001 Reviewed In : 2023 ISO 21949 : 2001	Coated abrasives - Plain sheets with holes for dust extraction	Identical under single numbering
	IS/ISO 21950 : 2001 ISO 21950: 2001 Reviewed In : 2023 ISO	Coated abrasives - Plain discs	Identical under single numbering

	21950 : 2001		
	IS/ISO 21951 : 2001 ISO 21951 : 2001 Reviewed In : 2017 ISO 21951 : 2001	Coated abrasives - Plain discs with holes for dust extraction	Identical under single numbering
	IS 2794 : 2021	Specification for Truing / Dressing Tools Single Diamond (Second Revision of IS 2794)	Indigenous
	IS 2817 : 1965 Reviewed In : 2020	Methods for sampling of coated abrasives	Indigenous
	IS 3178 : 1996 Reviewed In : 2018	Abrasive emery grain - Specification (First Revision)	Indigenous
	IS 3300 : 1980 Reviewed In : 2018	Dimensions for mounted wheels and points (First Revision)	Indigenous
	IS 5201 : 1969 Reviewed In : 2020	Methods for sampling of abrasive emery grain	Indigenous
	IS 5319 : 1987 F.F.S.740(a)-65 Reviewed In : 2018	Commercial steel, wool (First Revision)	Indigenous
	IS 551 : 2018 ISO 525 : 2013 Reviewed In : 2018 ISO 525 : 2013	Bonded abrasive products - General requirements (Fourth Revision)	Identical under dual numbering
	IS/ISO 603-1 : 1999 Reviewed In : 2023 ISO 603-1:1999	Bonded abrasive products - Dimensions: Part 1 grinding wheels for external cylindrical grinding between centres	Identical under single numbering
	IS/ISO 603-2 : 1999 Reviewed In : 2023 ISO 603-2:1999	Bonded abrasive products - Dimensions: Part 2 grinding wheels for centreless external cylindrical grinding	Identical under single numbering
	IS/ISO 603-3 : 1999 Reviewed In : 2023 ISO 603 : PART 3 : 1999	Bonded Abrasive Products- Dimensions Part 3 Grinding Wheels for Internal Cylindrical Grinding	Identical under single numbering
	IS/ISO 603-4 : 1999 Reviewed In :	Bonded abrasive products - Dimensions: Part 4 grinding wheels for surface grinding / peripheral grinding	Identical under single numbering

	2023 ISO 603-4:1999		
	IS/ISO 603-5 : 2018 ISO 603-5 : 1999 Reviewed In : 2023ISO 603-5 : 1999	Bonded Abrasive Products- Dimensions Part 5 Grinding Wheels for Surface Grinding/Face Grinding	Identical under dual numbering
	IS/ISO 603-6 : 1999 ISO 603-6 : 1999 Reviewed In : 2023ISO 603-6	Bonded Abrasive Products - Dimensions Part 6 Grinding Wheels for Tool and Tool Room Grinding	Identical under dual numbering
	IS/ISO 603-7 : 1999 ISO 603-7 : 1999 Reviewed In : 2023ISO 603-7 : 1999	Bonded Abrasive Products — Dimensions Part 7 Grinding Wheels for Manually Guided Grinding	Identical under single numbering
	IS/ISO 603-8 : 1999 ISO 603-8 : 1999 Reviewed In : 2023ISO 603-8 : 1999	Bonded Abrasive Products — Dimensions Part 8 Grinding Wheels for Deburring and Fettling / Snagging	Identical under single numbering
	IS/ISO 603-9 : 1999 ISO 603-9 : 1999 Reviewed In : 2023ISO 603-9 : 1999	Bonded Abrasive Products — Dimensions Part 9 Grinding Wheels for High-Pressure Grinding	Identical under single numbering
	IS/ISO 603-10 : 1999 ISO 603-10: 1999 Reviewed In : 2023 ISO 603-10:1999	Bonded abrasive products— Dimensions: Part 10 stones for honing and superfinishings	Identical under single numbering
	IS/ISO 603-11 : 1999 ISO 603-11 : 1999 Reviewed In : 2023 ISO 603-11 : 1999	Bonded abrasive products — Dimensions Part 11 Hand Finishing Sticks	Identical under single numbering
	IS/ISO 603-12 :	Bonded Abrasive Products — Dimensions	Identical under

1999 ISO 603-12 : 1999 Reviewed In : 2023 ISO 603- 12 : 1999	Part 12 Grinding Wheels for Deburring and Fettling on a Straight Grinder	single numbering
IS/ISO 603-13 : 1999 ISO 603-13 : 1999 Reviewed In : 2023 ISO 603- 13 : 1999	Bonded Abrasive Products — Dimensions Part 13 Grinding Wheels for Deburring and Fettling on a Vertical Grinder	Identical under single numbering
IS/ISO 603-14 : 1999 ISO 603-14 : 1999 Reviewed In : 2023 ISO 603-14 : 1999	Bonded Abrasive Products — Dimensions Part 14 Grinding Wheels for Deburring and Fettling / Snagging on an Angle Grinder	Identical under single numbering
IS/ISO 603-15 : 1999 ISO 603-15 : 1999 Reviewed In : 2023 ISO 603- 15 : 1999	Bonded Abrasive Products — Dimensions Part 15 Grinding Wheels for Cutting-Off on Stationary or Mobile Cutting-Off Machines	Identical under dual numbering
IS/ISO 603-16 : 1999 ISO 603-16 : 1999 Reviewed In : 2023 ISO 603- 16 : 1999	Bonded Abrasive Products — Dimensions Part 16 Grinding Wheels for Cutting-off on HandHeld Power Tools	Identical under single numbering
IS/ISO 603-17 : 2014 ISO 603-17 : 2014 Reviewed In : 2023 ISO 603- 17 : 1999	Bonded Abrasive Products — Dimensions Part 17 Spindle Mounted Wheels (ISO Type 52)	Identical under single numbering
IS/ISO 603-18 : 1999 ISO 603-18 : 2013 Reviewed In : 2023 ISO 603- 18 : 2013	Bonded Abrasive Products — Dimensions Part 18 Grinding Wheels for Flat Glass Edge Grinding Machines	Identical under dual numbering

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	IS 715 : 2002 Reviewed In : 2018	Coated Abrasives	Indigenous
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