

BUREAU OF INDIAN STANDARDS

Program of Work

PGD 8 : Pneumatic and Hydraulic Tools

Scope: Standardization in the field of portable type Hydraulic/Pneumatic tackles, tools and accessories.

Liaison: **ISO TC-118 SC-3 (P): Pneumatic tools and machines**

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10749 : 1983 <i>Reviewed In : 2021</i> Reaffirmed but not taken up for revision	Specification for swivel head nut for screw type mounts in pusher legs	January, 2021	-	Indigenous
2	IS 11183 : 1984 <i>Reviewed In : 2021</i>	Specification for portable pneumatic rammers	June, 2021	-	Indigenous
3	IS 11609 : 2023	TECHNICAL SUPPLY CONDITIONS FOR PNEUMATIC TOOLS		-	Indigenous
4	IS 12158 : 1987 <i>Reviewed In : 2021</i>	Dimensions for shanks of punches and chisels and ITS chuck bushing for pneumatic rivet cutters	June, 2021	-	Indigenous
5	IS 12520 : 2023	RECOMMENDATIONS FOR PREFERRED PRESSURES FOR PNEUMATIC TOOLS AND MACHINES		-	Indigenous
6	IS 12523 : 2023	PISTON RODS AND BUTTS FOR PNUMATIC RAMMER TOOLS $i_c/2$ DIMENSIONS		-	Indigenous
7	IS 12531 : 2023	Dimensions for weld flux scalers shanks and nozzle holes		-	Indigenous
8	IS 12563 : 2001 ISO 2787 <i>Reviewed In : 2021</i> ISO 2787 : 1984	Rotary and percussive pneumatic tools - Performance test (First Revision)	June, 2021	-	Identical under dual numbering
9	IS 12849 : 2015 ISO 5391 : 2003 <i>Reviewed In : 2024</i> ISO 5391:2003	Pneumatic tools and machines - Vocabulary (First Revision)	October, 2024	-	Identical under dual numbering
10	IS 13078 : 1991 <i>Reviewed In : 2021</i>	Pneumatic hose couplings - Specification	June, 2021	-	Indigenous
11	IS 14368 : 1996 <i>Reviewed In : 2021</i>	Portable Pneumatic weldflux scalers - Specification	June, 2021	-	Indigenous
12	IS 15065 : 2001 <i>Reviewed In : 2021</i>	Carbide tips for use in integral stems for percussive drillings - Specification	June, 2021	-	Indigenous
13	IS 15411 : 2003	Rotary tools for threaded fasteners	June, 2021	-	Indigenous

	ISO 5393 Reviewed In : 2021	- Performance test method			
14	IS/ISO 15744 : 2002 ISO 15744 : 2002 Reviewed In : 2024 ISO 15744 : 2002	Hand - Held non - Electric power tools - Noise measurement code - Engineering method (Grade 2)	October, 2024	-	Identical under single numbering
15	IS 16140 : 2014 ISO 1718 : 1991 Reviewed In : 2019 ISO 12162:2009	Thermoplastics materials for pipes and fittings for pressure applications - Classification, designation and design coefficient	February, 2019	-	Identical under dual numbering
16	IS 5441 : 1986 Reviewed In : 2021	Specification for portable pneumatic drilling machine (First Revision)	June, 2021	-	Indigenous
17	IS 6572 : 2023	PNEUMATIC LIGHT RIVET SNAP SHANK AND ITS CHUCK BUSHING $\frac{1}{2}$ DIMENSIONS		-	Indigenous
18	IS 6573 : 1987 ISO 1180 Reviewed In : 2021	Dimensions for pneumatic coal pick shanks and chuck bushings (First Revision)	June, 2021	-	Indigenous
19	IS 6574 : 1987 ISO 1180 Reviewed In : 2021	Dimensions for pneumatic rivet snap shanks parallel and chuck bushings (First Revision)	June, 2021	-	Indigenous
20	IS 6575 : 1987 ISO 1180 Reviewed In : 2021	Dimensions for pneumatic breaker and spade shanks and ITS chuck bushings (First Revision)	June, 2021	-	Indigenous
21	IS 7157 : 2024	Portable Pneumatic Grinding Machine $\frac{1}{2}$ Specification (Second Revision)		-	Indigenous
22	IS 7446 : 1987 ISO 1180 Reviewed In : 2021	Dimensions for chisel shanks and chuck bushings for pneumatic chippers (First Revision)	June, 2021	-	Indigenous
23	IS 7456 : 1994 Reviewed In : 2018 ISO 723:1991	Rock drill shanks and chuck bushings - Dimensions (First Revision)	February, 2018	-	Not Equivalent
24	IS 7605 : 1986 Reviewed In : 2021 Reaffirmed but not taken up for revision	Specification for portable pneumatic chippers (First Revision)	January, 2021	-	Indigenous
25	IS 7868 : 1975 ISO 1717 Reviewed In : 2021 ISO 1717:1974	Specification for rotary drill rods for drilling principally in coal	June, 2021	-	Not Equivalent
26	IS 7913 : 2014 ISO 721 : 1991 Reviewed In : 2019 ISO 721 : 1991	Rock drilling equipment - Integral stems (First Revision)	February, 2019	-	Identical under dual numbering
27	IS 7978 : 1984 Reviewed In : 2021	Specification for portable pneumatic rivet cutters (First Revision)	January, 2021	1	Indigenous
28	IS 7979 : 1984 Reviewed In : 2021	Specification for portable pneumatic rivetting hammers (First Revision)	January, 2021	-	Indigenous
29	IS 7995 : 1994 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Pneumatic concrete breaker shanks - Dimensions (First Revision)	September, 2024	-	Indigenous
30	IS 8067 : 2023	PORTABLE PNEUMATIC		-	Indigenous

		IMPACT WRENCHES $\frac{1}{2}$ SPECIFICATION			
31	IS 8486 : 1977 Reviewed In : 2021	Code of practice for maintenance of tungsten carbide tipped integral stems	January, 2021	-	Indigenous
32	IS 9419 : 2017 Reviewed In : 2021	Pusher legs - Specification (Second Revision)	June, 2021	-	Indigenous
33	IS 9707 : 2024	Pneumatic Screw Drivers and Nut Runners (Non-Impact Type) --Specification (Second Revision)		-	Indigenous
34	IS 9707 : 1994 Reviewed In : 2023	Pneumatic screw drivers and nut runners(Non - Impact type) - Specification (First Revision)	March, 2023	-	Indigenous
35	IS 9828 : 2022	PORTABLE PNEUMATIC SANDERS SPECIFICATION		-	Indigenous

Standards under Development

Projects Approved

SI. No.	Doc No.	Title
1	PGD 8 (26052)	Shanks for pneumatic tools and fitting of chuck bushings -- Dimensions

Preliminary Draft Standards

SI. No.	Doc No.	Title
1	PGD 8 (22047)	Hydraulic Impulse Tools Specification
2	PGD 8 (24773)	Hydraulic torque wrench -- Specification

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	PGD 8 (26053)	Rock drilling equipment -- Forged collared shanks and corresponding chuck bushings for hollow hexagonal drill steels

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
<i>No Records Found</i>		

Total Published Standards:34 Total Standards Under development:4

Aspect Wise Report

Product : 17
Code of Practices : 1

Methods of Test : 3
Terminology : 1
Dimensions : 10
System Standard : 0
Safety Standard : 0
Others : 2
Service Specification : 0
Process Specification : 0
Unclassified : 0

Annexure-I :List of Indian Standards Withdrawn/Superseded

SI. No.	IS No. & Year	Title
1	IS 11702 (Part 1) : 1986 ISO/DIS 3481/1-2 Reviewed In : 2013	Measurement of Airborne Noise Emitted by Pneumatic Tools and Machines - Part 1 Engineering Method for Determination of Sound Power Levels
2	IS 11702 (Part 2) : 1986 ISO/DIS 3481/2-2 Reviewed In : 2013	Measurement Of Airborne Noise Emitted By Pneumatic Tools And Machines Part 2 Method For Checking Compliance With Noise Limits
3	IS 12563 (Part 1) : 1988 ISO 2787	Data Sheet for Pneumatic Tools Test Report part 1 Rotary Tools
4	IS 12563 (Part 2) : 1988 ISO 2787	Data Sheet for Pneumatic Tools Test Report part 2 Percussive Tool with or Without Rotation

Annexure-II :List of Indian Product Standards

SI. No.	IS No. & Year	Title
1	IS 10749 : 1983 Reviewed In : 2021 Reaffirmed but not taken up for revision	Specification for swivel head nut for screw type mounts in pusher legs
2	IS 11183 : 1984 Reviewed In : 2021	Specification for portable pneumatic rammers
3	IS 12563 : 2001 ISO 2787 Reviewed In : 2021 ISO 2787 : 1984	Rotary and percussive pneumatic tools - Performance test First Revision
4	IS 13078 : 1991 Reviewed In : 2021	Pneumatic hose couplings - Specification
5	IS 14368 : 1996 Reviewed In : 2021	Portable Pneumatic weldflux scalers - Specification
6	IS 15065 : 2001 Reviewed In : 2021	Carbide tips for use in integral stems for percussive drillings - Specification
7	IS 16140 : 2014 ISO 1718 : 1991 Reviewed In : 2019 ISO 12162:2009	Thermoplastics materials for pipes and fittings for pressure applications - Classification designation and design coefficient
8	IS 5441 : 1986 Reviewed In : 2021	Specification for portable pneumatic drilling machine First Revision
9	IS 7157 : 2024	Portable Pneumatic Grinding Machine Specification Second Revision
10	IS 7605 : 1986 Reviewed In : 2021 Reaffirmed but not taken up for revision	Specification for portable pneumatic chippers First Revision
11	IS 7868 : 1975	Specification for rotary drill rods for drilling principally in coal

	ISO 1717 Reviewed In : 2021 ISO 1717:1974	
12	IS 7978 : 1984 Reviewed In : 2021	Specification for portable pneumatic rivet cutters First Revision
13	IS 7979 : 1984 Reviewed In : 2021	Specification for portable pneumatic rivetting hammers First Revision
14	IS 8067 : 2023	PORTABLE PNEUMATIC IMPACT WRENCHES SPECIFICATION
15	IS 9419 : 2017 Reviewed In : 2021	Pusher legs - Specification Second Revision
16	IS 9707 : 2024	Pneumatic Screw Drivers and Nut Runners Non-Impact Type --Specification Second Revision
17	IS 9828 : 2022	PORTABLE PNEUMATIC SANDERS SPECIFICATION