

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 Reviewed In : 2021 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 Reviewed In : 2021	Specification for portable pneumatic rammers	June, 2021	-	Indigenous
3	IS 11609:2023	TECHNICAL SUPPLY CONDITIONS FOR PNEUMATIC TOOLS		-	Indigenous
4	IS 12158:1987 Reviewed In : 2021	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;½ DIMENSIONS		-	Indigenous
7	IS 12531:2023	Dimensions for weld flux scalers shanks and nozzle holes		-	Indigenous
8	IS 12563:2001 ISO 2787 Reviewed In : 2021 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 Reviewed In : 2024 ISO 5391:2003	Pneumatic tools and machines - Vocabulary (First Revision)	October, 2024	-	Identical under dual numbering
10	IS 13078:1991 Reviewed In : 2021	Pneumatic hose couplings - Specification	June, 2021	-	Indigenous
11	IS 14368:1996 Reviewed In : 2021	Portable Pneumatic weldflux scalers - Specification	June, 2021	-	Indigenous
12	IS 15065:2001 Reviewed In : 2021	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 : 2025 ISO 12162:2009	Thermoplastics materials for pipes and fittings for pressure applications - Classification, designation and design coefficient	April, 2025	-	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 723	Rock drill shanks and chuck bushings - Dimensions (First Revision)	February, 2018	-	Identical under dual numbering
24	IS 7456:2025 723 723	Rock drilling equipment -- Forged collared shanks and corresponding chuck bushings for hollow hexagonal drill steels		-	Identical under dual numbering
25	IS 7605:1986 Reviewed In : 2021 Reaffirmed but not taken up for revision	Specification for portable pneumatic chippers (First Revision)	January, 2021	-	Indigenous
26	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
27	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
28	IS 7978:1984 Reviewed In : 2021	Specification for portable pneumatic rivet cutters (First Revision)	January, 2021	1	Indigenous
29	IS 7979:1984 Reviewed In : 2021	Specification for portable pneumatic rivetting hammers (First Revision)	January, 2021	-	Indigenous
30	IS 7995:1994 Reviewed In : 2024	Pneumatic concrete breaker shanks - Dimensions (First Revision)	September, 2024	-	Indigenous

	Decision taken to Reaffirm and Archive				
31	IS 8067:2023	PORTABLE PNEUMATIC IMPACT WRENCHES $\frac{1}{2}$ SPECIFICATION		-	Indigenous
32	IS 8486:1977 Reviewed In : 2021	Code of practice for maintenance of tungsten carbide tipped integral stems	January, 2021	-	Indigenous
33	IS 9419:2017 Reviewed In : 2021	Pusher legs - Specification (Second Revision)	June, 2021	-	Indigenous
34	IS 9707:2024	Pneumatic Screw Drivers and Nut Runners (Non-Impact Type) --Specification (Second Revision)		-	Indigenous
35	IS 9828:2022	PORTABLE PNEUMATIC SANDERS SPECIFICATION		-	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
1	PGD 8 (28751)	Hand-held non-electric power tools Safety requirements Part 1 Assembly power tools for non-threaded mechanical fasteners
2	PGD 8 (28753)	Hand-held non-electric power tools - Safety requirements Part 3 Drills and tappers
3	PGD 8 (28754)	Hand-held non-electric power tools Safety requirements Part 7 Grinders
4	PGD 8 (28755)	Hand-held non-electric power tools Safety requirements Part 8 Sanders and polishers

Draft Standards Completed WC Stage

SI. No.	Doc No.	Title
1	PGD 8 (22047)	Hydraulic Impulse Tools Specification
2	PGD 8 (24773)	Hydraulic torque wrench -- Specification
3	PGD 8 (27267)	Shanks for Pneumatic Tools and Fitting Chuck Bushings -- Dimensions

Finalized Draft Indian Standard

SI. No.	Doc No.	Title
No Records Found		

Finalized Draft Indian Standards under Print

SI. No.	Doc No.	Title
No Records Found		

Total Published Standards:34 Total Standards Under development:7

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

Sl. 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

Sl. 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 : 2025 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	Specification for portable pneumatic chippers First Revision

	Reviewed In : 2021 Reaffirmed but not taken up for revision	
11	IS 7868:1975 ISO 1717 Reviewed In : 2021 ISO 1717:1974	Specification for rotary drill rods for drilling principally in coal
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