BUREAU OF INDIAN STANDARDS

Program of Work

PGD 4 : Metal Forming Machines

Scope: Standardization in the field of various technical aspects of metal forming machines both by hot and cold processes and their machines (Presses, press brakes, shears, shear blades, moulds including plastic injection moulds, forging machines, nibs and dies for wire and tube drawing operations, aluminium diecasting dies, and their related tooling).

Liaison: ISO TC-ISO/TC 29 SC-SC 8 (O): Tools for pressing and moulding

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10068 (Part 1):	Press Working Die Sets (Plain	-	-	Indigenous
	2018	Type) â€" Specification Part 1			
		Centre Post Rectangular Die Sets (
		First Revision)			
2		Press working die sets (Plain Type)	August, 2024	-	Indigenous
	2018	- Specification: Part 2 centre post			
		square die sets (First Revision)			
	Reviewed In : 2024				
3	IS 10068 (Part 3) :	Press working die sets - Plain type	April, 2022	-	Indigenous
	1990	- Specification: Part 3 centre post			
	Reviewed In : 2022	round die sets			
4	IS 10068 (Part 4) :	Press working die sets (Plain	April, 2022	-	Indigenous
	1997	Type): Part 4 rear post rectangular			
	Reviewed In : 2022	die sets - Specification			
5	IS 10068 (Part 5) :	Press working die sets (Plain	April, 2022	-	Indigenous
	1996	Type): Part 5 rear post square die			
	Reviewed In : 2022	sets - Specification			
6	IS 10068 (Part 6) :	Press working die sets (Plain	April, 2022	-	Indigenous
	1996	Type): Part 6 rear post round die			
	Reviewed In : 2022	sets - Specification			
7		Recommendation on preferred shut	March, 2021	1	Indigenous
	Reviewed In : 2021	heights for mechanical presses			
8	IS 10650 : 1983	Specification for pressure pins	March, 2021	1	Indigenous
	Reviewed In : 2021				
	Reaffirmed but not				
	taken up for revision				
9	IS 10731 : 2000	Presses - Slide holes for locating	March, 2021	-	Indigenous
	Reviewed In : 2021	the shanks - Dimensions (First			
		Revision)			
10	IS 11344 : 1985	Dimen - Sions for sintered carbide	March, 2021	-	Not Equivalent
	ISO 5407	pellets used in heading dies			
	Reviewed In : 2021				
	Reaffirmed but not				
	taken up for revision				

Published Standards

	ISO 5407:1981				
11	IS 11372 : 1985 Reviewed In : 2021	Proforma for purchase specification and technical features for belt drop hammers	March, 2021	1	Indigenous
12	IS 11443 (Part 1) :Tools for pressing and moulding -2016Machined plates: Part 1 machinedISO 6753-1 : 2005plates for press tools (SecondReviewed In : 2021Revision)		March, 2021	-	Indigenous
13	IS 11443 (Part 2) : 2003Tools for pressing and moulding - Machined plates: Part 2 machined plates for moulds (First Revision)Reviewed In : 2024		August, 2024	-	Indigenous
14	IS 11505 : 1986 ISO 5396 Reviewed In : 2021	Recommendations on terminology of hardmetal heading diesISO title : hardmetal heading dies - Terminology)	March, 2021	-	Indigenous
15	IS 11524 : 1986 ISO 1651 Reviewed In : 2021	Specification for carbide mandrels for tube drawing dies	March, 2021	-	Indigenous
16	IS 11684 : 1986 Reviewed In : 2021 Reaffirmed but not taken up for revision	Test chart for spinning and planishing lathes	March, 2021	-	Indigenous
17	IS 11742 : 1986 Reviewed In : 2021	Test chart for die sets	March, 2021	-	Indigenous
18	IS 12852 : 1989 Reviewed In : 2021 Gap frame hydraulic presses up to 4000 KN - Recommendation on preferred capacities and dimensions		March, 2021	1	Indigenous
19	IS 12984 : 1990 Reviewed In : 2021	Proforma for puruchase specification for plate bending machines	March, 2021	-	Indigenous
20	IS 14497 : 1997 Reviewed In : 2024	Capacity rating and dimensions for trimming presses	August, 2024	-	Indigenous
21	IS 14757 : 2000 Reviewed In : 2021	RECOMMENDATIONS ON PREFERRED CAPACITIES AND DIMENSIONS FOR STRAIGHT- SIDED COLUMN TYPE AND FOUR PILLAR TYPE HYDRAULIC PRESSES	March, 2021	-	Indigenous
22	IS 14758 : 2000 Reviewed In : 2021	Forging machine tools - Glossary of terms	March, 2021	-	Indigenous
23	IS 14877 (Part 1) : 2000 Reviewed In : 2021	Hydraulic presses - Straight sided column/C - Frame type: Part 1 test chart for geometrical accuracy	March, 2021	-	Indigenous
24	IS 14877 (Part 2) : 2002 Reviewed In : 2024	Hydraulic presses - Straight sided column/C - Frame type: Part 2 test chart for technical (Performance) evaluation of presses and press brakes	August, 2024	-	Indigenous
25	IS 14878 : 2000 Reviewed In : 2021	Test chart for plate bending machines	March, 2021	-	Indigenous
26	ISO 8695 : 2010 Reviewed In : 2021 ISO 8695 : 2010 Reviewed In : 2021	Tools for pressing - Punches - Nomenclature and terminology (First Revision)	December, 2021	-	Identical under dual numbering
27	IS 15318 : 2003 ISO 8540	Open front mechanical power presses - Vocabulary	August, 2024	-	Indigenous

	Reviewed In : 2024				
28		Tools for Pressing - Guide Pillars -	May, 2023	-	Identical under dual
	2018	Part 1 Types (First Revision)			numbering
	ISO 9182-1 : 2013				2
	Reviewed In : 2023				
	ISO 9182-1:2013				
29	IS 15424 (Part 2) :	Tools for pressing - Guide pillars:	May, 2023		Identical under dual
29			Włay, 2023	-	
	2018	Part 2 type A, straight pillars (First			numbering
	ISO 9182-2 : 2013	Revision)			
	Reviewed In : 2023				
	ISO 9182-2:2013				
30	IS 15424 (Part 3) :	Tools for pressing â€" Guide		-	Identical under dual
	2021	pillars: Part 3 Type B, end-locking			numbering
	ISO 9182-3:2020	pillars (Second Revision)			
	ISO 9182-3:2020				
31	IS 15424 (Part 4) :	Tools for pressing â€" Guide		-	Identical under dual
	2022	pillars: Part 4 Type C, pillars with			numbering
	ISO 9182-4:2020	taper lead and bush (Second			Ũ
	ISO 9182-4:2020	Revision)			
32	IS 15424 (Part 5) :	Tools for pressing â€" Guide		_	Identical under dual
2	2022	pillars: Part 5 Type D, end-locking			numbering
	ISO 9182-5:2020	pillars with flange (Second			numbering
		Revision)			
22	ISO 9182-5:2020	,	1		
33	IS 15448 (Part 1) :	Tools for pressing - Guide bushes:	August, 2024	-	Identical under dual
	2018	Part 1 forms (First Revision)			numbering
	ISO 9448-1 : 2013				
	Reviewed In : 2024				
	ISO 9448-1:2013				
34	IS 15448 (Part 2) :	Tools for pressing - Guide bushes:	August, 2024	-	Identical under dual
	2017	Part 2 form A, gliding bushes,			numbering
	ISO 9448-2 : 2013	plain, type 1 (First Revision)			_
	Reviewed In : 2024				
	ISO 9448-2				
35	IS 15448 (Part 3) :	Tools for pressing - Guide bushes:	August, 2024	-	Identical under dual
	2018	Part 3 form B, ball cage bushes,	8		numbering
	ISO 9448-3 : 2013	plain, type 1 (First Revision)			numbering
	Reviewed In : 2024	plani, type I (I list Kevision)			
	ISO 9448-3				
26		Taala fan anaaina - Caida haabaa	A		The set of a short here the short
36	IS 15448 (Part 4) :	Tools for pressing - Guide bushes:	August, 2024	-	Identical under dual
	2018	Part 4 form C, gliding bushes,			numbering
	ISO 9448-4	headed, type 1 (First Revision)			
	Reviewed In : 2024				
	ISO 9448-4:1991				
37	IS 15448 (Part 5) :	Tools for pressing - Guide bushes:	August, 2024	-	Identical under dual
	2018	Part 5 form D, ball cage bushes,			numbering
	ISO 9448-5 : 2013	headed, type 1 (First Revision)			
	Reviewed In : 2024				
	ISO 9448-5				
38	IS 15448 (Part 6) :	Tools for pressing - Guide bushes:	May, 2023	_	Identical under dual
	2018	Part 6 form E, gliding bushes,			numbering
	ISO 9448-6 : 2013	flanged, type 1 (First Revision)			numoving
	Reviewed In : 2023	ranged, type 1 (1115t Kevision)			
20	ISO 9448-6		N. 2022		T1 1
39	IS 15448 (Part 7) :	Tools for pressing - Guide bushes:	May, 2023	-	Identical under dual
	2018	Part 7 form F, ball cage bushes,			numbering
	ISO 9448-7 : 2013	flanged, type 1 (First Revision)			
	Reviewed In : 2023				
		1		1	
	ISO 9448-7:2013				

	2018 ISO 9448-8 : 2013 Reviewed In : 2023 ISO 9448-8	Part 8 form G, gliding bushes, stepped, type 1 (First Revision)			numbering
41	IS 15448 (Part 9) : 2018 ISO 9448-9 : 2013 Reviewed In : 2023 ISO 9448-9	Tools for pressing - Guide bushes: Part 9 form B, ball cage bushes, plain, type 2 (First Revision)	May, 2023	-	Identical under dual numbering
42	IS 15448 (Part 10) : 2018 ISO 9448-10 : 2013 Reviewed In : 2023 ISO 9448-10	Tools for pressing - Guide bushes: Part 10 form E, gliding bushes, flanged, type 2 (First Revision)	May, 2023	-	Identical under dual numbering
43	IS 15448 (Part 11) : 2018 ISO 9448-11 : 2013 Reviewed In : 2023 ISO 9448-11	Tools for pressing - Guide bushes: Part 11 form F, ball cage bushes, flanged, type 2 (First Revision)	May, 2023	-	Identical under dual numbering
44	IS 15744 : 2007 Reviewed In : 2024	Angular Deflection for "C" Frame Mechanical Presses — Specification	August, 2024	-	Indigenous
45	IS 15745 : 2007 Reviewed In : 2024	Deflection for straight sided mechanical presses - Specification	August, 2024	-	Indigenous
46	IS 15746 : 2007 Reviewed In : 2024	ANGULAR DEFLECTION FOR 'C' FRAME HYDRAULIC PRESSES - SPECIFICATION	August, 2024	-	Indigenous
47	IS 15747 : 2007 Reviewed In : 2024	Angular deflection for straight sided hydraulic presses - Specification	August, 2024	-	Indigenous
48	IS 16727 : 2018 Reviewed In : 2023 ISO 23480:2013	Tools for Pressing â€" Sliding Plates	May, 2023	-	Identical under dual numbering
49	ISO 23480:2013 IS 16728 : 2022 ISO 23481:2021 ISO 23481:2021	Tools for pressing � Cam driver plates (First Revision)		-	Identical under dual numbering
50	ISO 23481.2021 IS 16793 (Part 1) : 2019 ISO 11900-1 : 2007 Reviewed In : 2023 ISO 11900-1:2007	Tools for pressing - Ball - Lock punch retainers: Part 1 types A and B, rectangular and square for light duty	May, 2023	-	Identical under dual numbering
51	IS 16793 (Part 2) : 2019 ISO 11900-2 : 2008 Reviewed In : 2023 ISO 11900-2:2008	Tools for pressing - Ball - Lock punch retainers: Part 2 types C and D, reduced for light duty	May, 2023	-	Identical under dual numbering
52	IS 16793 (Part 3) : 2018 ISO 11900-3 : 2004 Reviewed In : 2023 ISO 11900-3:2004	Tools for pressing - Ball - Lock punch retainers: Part 3 type E, reduced for heavy duty	May, 2023	-	Identical under dual numbering
53	ISO 11960 9.2001 ISO 10794 (Part 1) : 2019 ISO 10242-1 : 2011 Reviewed In : 2023 ISO 10242-1:2011	Tools for pressing - Punch holder shanks: Part 1 type A	May, 2023	-	Identical under dual numbering
54	IS 16794 (Part 2) : 2019	Tools for pressing - Punch holder shanks: Part 2 type C	May, 2023	-	Identical under dual numbering

	ISO 10242-2 : 2008			1	
	Reviewed In: 2023				
	ISO 10242-2:2008				
55	IS 16794 (Part 3) :	Tools for pressing Punch holder		-	Identical under single
	2019	shanks Part 3 Type D			numbering
	ISO 10242-3:2008				
	ISO 10242-3:2008				
56	IS 16795 : 2018	Tools for pressing - Die sets	May, 2023	-	Identical under dual
	ISO 11415 : 1997	r of B	--		numbering
	Reviewed In : 2023				
	ISO 11415:1997				
57	IS 16796 : 2022	Tools for pressing â€"			Identical under dual
51	ISO 10243:2019	Compression springs with			numbering
	ISO 10243:2019	rectangular section â€" Housing			numbering
	150 102 15.2017	dimensions and colour coding			
		(First Revision)			
58	IS 16799 : 2018	Tools for pressing - Matrixes	May, 2023		Identical under dual
50	ISO 8977 : 2003	roois for pressing - Matrixes	May, 2025	-	
	Reviewed In : 2023				numbering
50	ISO 8977:2003	Trach francisco Wisconstates	Mar. 2022		Tile of the stars days does t
59	IS 16800 (Part 1) :	Tools for pressing - Wear plates	May, 2023	-	Identical under dual
	2018	for press dies: Part 1 type A			numbering
	ISO 9183-1 : 2008				
	Reviewed In : 2023				
	ISO 9183-1:2008				
60	IS 16800 (Part 2) :	Tools for pressing - Wear plates		-	Identical under dual
	2018	for press dies: Part 2 type B			numbering
	ISO 9183-2 : 2011				
	ISO 9183-2:2008				
61	IS 16924 : 2018	Tools for Moulding -Ejector Pins	May, 2023	-	Identical under dual
	ISO 6751:2011	with Cylindrical Head			numbering
	Reviewed In : 2023				
	ISO 6751:2011				
62	IS 16925 : 2018	Tools for Moulding - Guide Pillars,	May, 2023	-	Identical under dual
	ISO 8017 : 2007	Straight and Shouldered, and			numbering
	Reviewed In: 2023	Locating Guide Pillars,			
	ISO 8017 : 2007	Shouldered			
63	IS 16926 : 2018	Tools for Moulding -Guide Bushes,	May, 2023	-	Identical under dual
	ISO 8018 : 2007	Headed, and Locating Guide			numbering
	Reviewed In : 2023	Bushes, Headed			
	ISO 8018:2007				
64	IS 16927 : 2023	Tools for Moulding Angle Pins		-	Identical under dual
	ISO 8404:2021				numbering
	ISO 8404:2021				g
65	IS 16928 : 2022	Tools for moulding ï, ^{1/2} Ejector		-	Identical under dual
	ISO 8405:2020	sleeves with cylindrical head $i_i l_2$			numbering
	ISO 8405:2020	Basic series for general purposes			namoormg
	100 0100.2020	(First Revision)			
66	IS 16929 : 2018	Tools for Moulding - Mould Bases	May, 2023	_	Identical under dual
55	ISO 8406 : 2008	- Round Locating Elements and	1114, 2023		numbering
	Reviewed In : 2023	Spacers			numbering
	ISO 8406 : 2008	Spacers			
67	IS 16930 : 2018	Tools for Moulding - Flat Ejector	May, 2023		Identical under dual
07	ISO 8693 : 2011	Pins	wiay, 2023		
		F 1115			numbering
	Reviewed In : 2023				
(0)	ISO 8693 : 2011	The she for a Marshillar Charles 1	Mar. 2022		Thereford 1 1 1
68	IS 16931 : 2018	Tools for Moulding - Shouldered	May, 2023	-	Identical under dual
	ISO 8694 : 2011	Ejector Pins			numbering
	Reviewed In : 2023			1	1

	ISO 8694 : 2011				
59	IS 16932 : 2018	Tools for Moulding - Centring	May, 2023	-	Identical under dual
	ISO 9449 : 2007	Sleeves			numbering
	Reviewed In : 2023				
	ISO 9449 : 2007				
70	IS 16933 : 2018	Tools for Moulding - Sprue Bushes	May, 2023	-	Identical under dua
	ISO 10072 : 2004	- Dimensions			numbering
	Reviewed In : 2023				
	ISO 10072:2004				
71	IS 16934 : 2018	Tools for Moulding - Support	May, 2023	-	Identical under dua
	ISO 10073 : 2008	Pillars			numbering
	Reviewed In : 2023				
	ISO 10073 : 2008				
72	IS 16935 (Part 1):	Tools for Moulding - Locating	May, 2023	-	Identical under dual
	2018	Rings Part 1 Locating Rings for			numbering
	ISO 10907 -1 : 2008	e e			0
	Reviewed In : 2023	Insulating Sheets in Small or			
	ISO 10907-1:2008	Medium Moulds (Type A and B)			
73	IS 16935 (Part 2) :	Tools for Moulding - Locating	May, 2023	_	Identical under dual
	2018	Rings Part 2 Locating Rings for	1.1.1.1, 2025		numbering
	ISO 10907-2 : 2007	0 0			numbering
		Sheets in Small or Medium Moulds			
	ISO 10907-2 : 2007	(Types C and D)			
74		Tools for Pressing â€" Gas Springs	Max 2022		Identical under dual
/4			May, 2023	-	
	2019	Part 1 General Specifications			numbering
	ISO 11901-1 : 2003				
	Reviewed In : 2023				
	ISO 11901-1:2003				
75	IS 17219 (Part 2) :	Tools for pressing Gas springs Part		-	Identical under dual
	2023	2: Specification of Accessories			numbering
	ISO 11901-2: 2018				
	ISO 11901-2: 2018				
76		Tools for pressing Gas springs Part		-	Identical under dual
	2022	3: Gas spring with increased spring			numbering
	ISO 11901-3:2021	force and compact built height			
	ISO 11901-3:2021				
77	IS 17219 (Part 4) :	Tools for Pressing Gas Springs Part		-	Identical under dual
	2023	4 Gas Springs with Increased			numbering
	ISO 11901-4:2021	Spring Force and Same Built			_
	ISO 11901-4:2021	Height			
78	IS 17220 : 2019	Tools for Pressing â€" Guide Pillar	May, 2023	-	Identical under dual
	ISO 11903 : 2008	Mountings			numbering
	Reviewed In : 2023				
	ISO 11903:2008				
79	ISO 11905.2000 IS 17221 : 2022	Tools for moulding â€"		-	Identical under dual
. /	ISO 12165:2019	Components of compression and			numbering
	ISO 12165:2019	injection moulds and die casting			numbering
	150 12103.2017	dies â€" List of equivalent terms			
		and symbols (First Revision)			
80	IS 17222 : 2019	Tools for Moulding â€" Thermal	May, 2023		Identical under dua
00	IS 17222 : 2019 ISO 15600 : 2000		wiay, 2023	-	
		Insulating Sheets for Injection			numbering
	Reviewed In : 2023	Moulds			
0.1	ISO 15600:2000				
81	IS 17223 : 2019	Tools for Pressing â€" L-Shaped	May, 2023	-	Identical under dua
	ISO 16366 : 2008	Guides			numbering
	Reviewed In : 2023				
	ISO 16366:2008				
82	IS 17224 : 2019	Tools for Pressing â€" Guide	May, 2023	-	Identical under dual
	ISO 16367 : 2008	plates â€" U- and V-blocks		1	numbering

	Reviewed In : 2023 ISO 16367:2008				1
83	ISO 16367:2008 IS 17225 : 2019	Tools for Moulding â€" Sprue	May, 2023		Identical under dual
05	ISO 16915 : 2003	Pullers	May, 2025	-	
	Reviewed In : 2023	r ullets			numbering
0.4	ISO 16915:2003	Toolo for Moulding & C" Tool	Mar. 2022		Identical under dual
84	IS 17226 : 2019 ISO 16916 : 2016	Tools for Moulding â€" Tool Specification Sheet for Injection	May, 2023	-	Identical under dual
	Reviewed In : 2023	Moulds			numbering
		Moulas			
05	ISO 16916:2016 IS 17227 : 2019	Press Tools for Tablets —	Mar. 2022		T.I
85			May, 2023	-	Identical under dual
	ISO 18084 : 2011	Punches and Dies			numbering
	Reviewed In : 2023				
	ISO 18084:2011				
86	IS 17228 : 2019	Tools for Moulding — Tool	May, 2023	-	Identical under dual
	ISO 24233 : 2008	Specification Sheet for Diecasting			numbering
	Reviewed In : 2023	Dies			
	ISO 24233:2008				
87	IS 17229 : 2019	Compression and Injection Moulds	May, 2023	-	Identical under dual
	ISO 28238 : 2010	â€" Components for Gating			numbering
	Reviewed In : 2023	Systems			
	ISO 28238:2010				
88		Machine Tools Safety â€" Presses	May, 2023	-	Identical under dual
	2019	Part 1 General Safety			numbering
	ISO 16092-1 : 2017	Requirements			
	Reviewed In : 2023				
	ISO 16092-1:2017				
89		Machine Tools Safety Presses Part		-	Identical under dual
	2023	2 Safety Requirement for			numbering
	ISO 16092-2 : 2019	Mechanical Presses			
	ISO 16092-2 : 2019				
90	IS 17277 (Part 3) :	Machine tools safety Presses		-	Identical under dual
	2021	Part 3: Safety requirements for			numbering
	ISO 16092-3 : 2017	hydraulic presses Adoption of ISO			_
	ISO 16092-3 : 2017	16092-3:2017 ICS 2508001			
91	IS 17277 (Part 4) :	Machine Tools Safety Presses Part		-	Identical under dual
	2023	4 Safety Requirements for			numbering
	ISO 16092-4 : 2019	Pneumatic Presses			-
	ISO 16092-4 : 2019				
92	IS 2515 : 1978	Test chart for guillotine shears	March, 2021	-	Indigenous
	Reviewed In : 2021	(First Revision)			C C
	Reaffirmed but not	· · /			
	taken up for revision				
	<u> </u>				
93	IS 4296 (Part 1) :	Tools for pressing: Part 1 round	March, 2021	-	Identical under dual
	2016	punches with 60 degrees conical	,		numbering
	ISO 6752 : 2008	head and straight shank (Second			
	Reviewed In : 2021	Revision)			
	ISO 6752 : 2008				
94	IS 4296 (Part 2) :	Tools for Pressing Punches Part 2		-	Indigenous
	2024	Punches with Cylindrical Head and			margenous
	2021	Straight or Reduced Shank (second			
		revision)			
95	IS 4296 (Part 2) :	Tools for pressing: Part 2 punches	March, 2021		Indigenous
,,	2015 2015	with cylindrical head and straight	wiatell, 2021	- -	murgenous
	ISO 8020 : 2002	or reduced shank (First Revision)			
		or reduced shallk (First Revision)			
96	Reviewed In : 2021	Tools for pressing Dart 2 round	March, 2021		Identical under dual
70	IS 4296 (Part 3) : 2015	Tools for pressing: Part 3 round punches with 60 degree conical	Marcii, 2021	-	numbering
		DUDCHES WITH DU DEGTÉE CONICAL			numpering

	ISO 9181 : 2007 Reviewed In : 2021	head and reduced shank (Second Revision)			
	ISO 9181 : 2007	Kevision)			
97	IS 4592 : 2007	Acceptance conditions of open	May, 2023		Identical under dual
91	ISO 6899	mechanical front power presses -	May, 2023	-	numbering
	Reviewed In : 2023	Testing of accuracy (First			numbering
00	ISO 6899 : 1984	Revision)	Manala 2021		To Provide
98	IS 4593 : 1968	Test chart for straight - Sided	March, 2021	-	Indigenous
0.0	Reviewed In : 2021	presses			
99	IS 4918 : 1981	Specification for hard metal	August, 2024	-	Not Equivalent
	ISO 1684	(Carbide) wire, bar and tube			
	Reviewed In : 2024	drawing dies (First Revision]			
	ISO 1684 : 1975				
100	IS 6652 (Part 1):	Glossary of terms relating to metal	March, 2021	-	Indigenous
	1986	forming machines and tools part 1			
	Reviewed In : 2021	metal forming tools (First			
		Revision)			
101	IS 6652 (Part 2):	Glossary of terms relating to metal	March, 2021	-	Indigenous
	1986	forming machines and tools: Part 2			mangenous
	Reviewed In : 2021	metal forming machines relating to			
	Reviewed III . 2021	sheet metal (First Revision)			
102	IS 6652 (Dont 2) .	````	A mril 2022		Indianaua
102	IS 6652 (Part 3) : 1986	Glossary of terms relating to metal	April, 2022	-	Indigenous
		for - Ming machines and tools: Part			
	Reviewed In : 2022	3 metal forming technology and			
		operations relating to sheet metal (
		first revision)			
103	IS 7468 : 1974	Recommendation on preferred	March, 2021	1	Indigenous
	Reviewed In : 2021	strokes for mechanical and			
		hydraulic presses			
104	IS 7469 : 1974	Recommendation on preferred	August, 2024	-	Indigenous
	Reviewed In : 2024	capacities for mechanical and	-		_
		hydraulic presses			
105	IS 7664 : 2005	Guide pillar for press tool die sets -	March, 2021	-	Indigenous
	Reviewed In : 2021	Specification (Second Revision)			
106	IS 7706 : 1975	Specification for bolster plates for	March, 2021	_	Indigenous
100	Reviewed In : 2021	gap frame presses without die	Waren, 2021		indigenous
	Kevieweu III . 2021	cushion			
107	IS 7707 : 1975	Specification for bolster plates for	March, 2021		Indianaua
107		1 1	March, 2021	-	Indigenous
100	Reviewed In : 2021	gap frame presses with die cushion	1		
108	IS 8064 : 2002	Method of designation of	August, 2024	-	Indigenous
	Reviewed In : 2024	mechanical and hydraulic presses			
		(Second Revision)			
109	IS 8127 : 2005	Guide bushes for press tool die sets	March, 2021	-	Indigenous
	Reviewed In: 2021	- Specification (Second Revision)			
110	IS 8711 : 2002	Gap frame open front mechanical	August, 2024	-	Not Equivalent
	Reviewed In : 2024	presses - Capacity ratings and			
	ISO 6898:1984	dimensions (First Revision)			
111	IS 9266 (Part 1) :	Press working die sets (Boss Type)	August, 2024	-	Indigenous
	2017	- Specification: Part 1 centre post	<i>C</i> ,		
		rectangular die sets (First Revision)			
	Reviewed In : 2024				
12	IS 9266 (Part 2) :	Press working die sets (Boss Type)		_	Indigenous
114	2019 200 (Part 2) .	- Specification: Part 2 centre post	-	-	murgenous
	2019				
		square die sets (First Revision)			
112					T 1'
113	IS 9266 (Part 3) :	Press working die sets (Boss Type)	-	-	Indigenous
	2019	- Specification: Part 3 centre post			
		round die sets (First Revision)			i i i i i i i i i i i i i i i i i i i

114	IS 9266 (Part 4) :	Press working die sets (Boss Type)	April, 2022	-	Indigenous
	1990	- Specieication: Part 4 centre post			
	Reviewed In: 2022	reverse rectangular die sets			
115	IS 9888 : 1981	Dimensions for sintered pellets of	August, 2024	-	Not Equivalent
	ISO 2804	hard metal (Carbide) for wire, bar			
	Reviewed In : 2024	and tube drawing dies			
	ISO 2804:1973				

Standards under Development

Projects Approved				
SI. No.	Doc No.	Title		
No Records Found				

Preliminary Draft Standards					
SI. No.	SI. No. Doc No. Title				
	No Records Found				

 Drafts Standards in WC Stage

 SI. No.
 Doc No.
 Title

No Records Found

	Draft Standards Completed WC Stage				
SI. No.	Doc No.	Title			
1	PGD 4 (25759)	Tools for pressing Spring plungers with helicoidal compression steel spring or gas spring			
2	PGD 4 (25772)	Tools for Pressing Elastomer Pressure Springs Part 1 General Specification			
3	PGD 4 (25775)	Tools for Pressing Elastomer Pressure Springs Part 2 Specification of Accessories			
4	PGD 4 (25776)	Tools for pressing Ball-lock punches Part 1 Ball-lock punches for light duty			
5	PGD 4 (25777)	Tools for pressing Ball-lock punches Part 2 Ball-lock punches for heavy duty			
6	PGD 4 (25778)	Tools for Pressing Gas Springs Part 5 Safety Instructions for Gas Springs			
7	PGD 4 (25781)	Tools for Pressing Vocabulary			
8	PGD 4 (25782)	Tools for pressing Sliding plates			
9	PGD 4 (25815)	Tools for Pressing Heel Guiding in Large Stamping and Forming Dies			

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:114 Total Standards Under development:9

Aspect Wise Report

Product: 68

Code of Practices : 0 Methods of Test : 0 Terminology : 9 Dimensions : 22 System Standard : 0 Safety Standard : 4 Others : 11 Service Specification : 0 Process Specification : 0 Unclassified : 0

Annexure-I :List of Indian Standards Withdrawn/Superseded

SI. No.	IS No. & Year	Title
1	IS 11443 (Part 12) : 2003	Dimensions of Machined Plates for Press Tools Moulds Jigs and Fixtures ISO Title Machined
	ISO 6753	Plates for Press Tools Moulds Jigs and Fixtures - Nominal Dimensions
2	IS 12665 (Part 1) : 1989	Press working tools - Shanks Part 1 General dimensions and survey
	Reviewed In : 2010	
3	IS 12665 (Part 2) : 1989	Press Working Tools - Shanks part 2 Shanks to Suit Rivetting
	Reviewed In : 2010	
4	IS 12665 (Part 3) : 1989	Press Working Tools - Shanks part 3 Shanks with Screwed Shaft
	Reviewed In : 2010	
5	IS 12665 (Part 4) : 1989	Press working tools - shanks Part 4 Shanks with neck and collar
	Reviewed In : 2010	
6	IS 12665 (Part 5) : 1996	Press working tools - Shanks Part 5 Shanks with square flanges
	Reviewed In : 2010	
7	IS 12665 (Part 6) : 1996	Press Working Tools - Shanks - Part 6 Shanks with Rectangular Flanges
	Reviewed In : 2014	
8	IS 12665 (Part 7) : 1996	Press Working Tools - Shanks - Part 7 Shanks with Screwed Shaft and Collar
	Reviewed In : 2011	
9	IS 4296 (Part 3) : 2002	
	Reviewed In : 2014 IEC	
	62087-1:2015	
10	IS 4296 (Part 4) : 2002	Tools for pressing Part 4 round punches with 60 conical head and reduced shank First Revision
	ISO 8021	
	Reviewed In : 2014 ISO	
	9181 : 1990	

Annexure-II :List of Indian Product Standards		
SI. No.	IS No. & Year	Title
1	IS 10068 (Part 1) : 2018	Press Working Die Sets Plain Type Specification Part 1 Centre Post Rectangular Die Sets First Revision
2	IS 10068 (Part 2) : 2018	Press working die sets Plain Type - Specification Part 2 centre post square die sets First Revision
	Reviewed In : 2024	
3	IS 10068 (Part 3) : 1990 Reviewed In : 2022	Press working die sets - Plain type - Specification Part 3 centre post round die sets
4	IS 10068 (Part 4) : 1997 Reviewed In : 2022	Press working die sets Plain Type Part 4 rear post rectangular die sets - Specification
5	IS 10068 (Part 5) : 1996 Reviewed In : 2022	Press working die sets Plain Type Part 5 rear post square die sets - Specification
6	IS 10068 (Part 6) : 1996 Reviewed In : 2022	Press working die sets Plain Type Part 6 rear post round die sets - Specification
7	IS 10650 : 1983 Reviewed In : 2021 Reaffirmed but not taken up for revision	Specification for pressure pins
8	IS 11684 : 1986 Reviewed In : 2021	Test chart for spinning and planishing lathes

	Reaffirmed but not taken up for revision	
9	IS 11742 : 1986	Test chart for die sets
	Reviewed In : 2021	
10	IS 14757 : 2000	RECOMMENDATIONS ON PREFERRED CAPACITIES AND DIMENSIONS FOR
	Reviewed In : 2021	STRAIGHT-SIDED COLUMN TYPE AND FOUR PILLAR TYPE HYDRAULIC PRESSE
11	IS 14877 (Part 1) : 2000	Hydraulic presses - Straight sided column C - Frame type Part 1 test chart for geometrical
	Reviewed In : 2021	accuracy
12	IS 14877 (Part 2) : 2002	Hydraulic presses - Straight sided column C - Frame type Part 2 test chart for technical
	Reviewed In : 2024	Performance evaluation of presses and press brakes
13	IS 15424 (Part 2) : 2018	Tools for pressing - Guide pillars Part 2 type A straight pillars First Revision
	ISO 9182-2 : 2013	
	Reviewed In : 2023 ISO	
	9182-2:2013	
14	IS 15424 (Part 3) : 2021	Tools for pressing Guide pillars Part 3 Type B end-locking pillars Second Revision
	ISO 9182-3:2020	
	ISO 8000-61 : 2016	
15	IS 15424 (Part 4) : 2022	Tools for pressing Guide pillars Part 4 Type C pillars with taper lead and bush Second Revision
	ISO 9182-4:2020	
	ISO/TS 23565:2021	
16	IS 15424 (Part 5) : 2022	Tools for pressing Guide pillars Part 5 Type D end-locking pillars with flange Second Revision
	ISO 9182-5:2020	
17	IS 15448 (Part 1) : 2018	Tools for pressing - Guide bushes Part 1 forms First Revision
	ISO 9448-1 : 2013	
	Reviewed In : 2024 ISO	
	9448-1:2013	
18	IS 15448 (Part 2) : 2017	Tools for pressing - Guide bushes Part 2 form A gliding bushes plain type 1 First Revision
	ISO 9448-2 : 2013	
	Reviewed In : 2024 ISO	
	9448-2	
19	IS 15448 (Part 3) : 2018	Tools for pressing - Guide bushes Part 3 form B ball cage bushes plain type 1 First Revisior
	ISO 9448-3 : 2013	
	Reviewed In : 2024 ISO	
20	9448-3	
20	IS 15448 (Part 4) : 2018	Tools for pressing - Guide bushes Part 4 form C gliding bushes headed type 1 First Revision
	ISO 9448-4	
	Reviewed In : 2024 ISO	
21	9448-4:1991	Table for messing. Cuide hughes Dort 5 form D hall ease hughes had do tone 1 First Devisio
21	IS 15448 (Part 5) : 2018	Tools for pressing - Guide bushes Part 5 form D ball cage bushes headed type 1 First Revisio
	ISO 9448-5 : 2013	
	Reviewed In : 2024 ISO	
22	9448-5 IS 15448 (Part 6) : 2018	Tools for pressing - Guide bushes Part 6 form E gliding bushes flanged type 1 First Revision
LL	IS 13448 (Part 6) : 2018 ISO 9448-6 : 2013	Tools for pressing - Ourde busiles rate o form E groung busiles manged type I FIRST REVISION
	Reviewed In : 2023 ISO	
	9448-6	
23	IS 15448 (Part 7) : 2018	Tools for pressing - Guide bushes Part 7 form F ball cage bushes flanged type 1 First Revisio
23	ISO 9448-7 : 2013	Tools for pressing - Oulde busiles Fart / Torin F ban eage busiles manged type FF inst Kevisie
	Reviewed In : 2023 ISO	
	9448-7:2013	
24	IS 15448 (Part 8) : 2018	Tools for pressing - Guide bushes Part 8 form G gliding bushes stepped type 1 First Revisio
<i>—</i> т	ISO 9448-8 : 2013	Tools for pressing - Ourde Susnes Furto form O grunny Susnes stepped type F First Revisio.
	Reviewed In : 2023 ISO	
	9448-8	
25	IS 15448 (Part 9) : 2018	Tools for pressing - Guide bushes Part 9 form B ball cage bushes plain type 2 First Revisior
	ISO 9448-9 : 2013	
	Reviewed In : 2023 ISO	
	9448-9	

26	IS 15448 (Part 10) : 2018 ISO 9448-10 : 2013	Tools for pressing - Guide bushes Part 10 form E gliding bushes flanged type 2 First Revision
	Reviewed In : 2023 ISO	
	9448-10	
27	IS 15448 (Part 11) : 2018	Tools for pressing - Guide bushes Part 11 form F ball cage bushes flanged type 2 First Revision
	ISO 9448-11 : 2013	
	Reviewed In : 2023 ISO	
	9448-11	
28	IS 15744 : 2007	Angular Deflection for C Frame Mechanical Presses Specification
	Reviewed In : 2024	
29	IS 15745 : 2007	Deflection for straight sided mechanical presses - Specification
	Reviewed In : 2024	
30	IS 15746 : 2007	ANGULAR DEFLECTION FOR C FRAME HYDRAULIC PRESSES - SPECIFICATION
	Reviewed In : 2024	
31	IS 15747 : 2007	Angular deflection for straight sided hydraulic presses - Specification
	Reviewed In : 2024	
32	IS 16793 (Part 1) : 2019	Tools for pressing - Ball - Lock punch retainers Part 1 types A and B rectangular and square for
	ISO 11900-1 : 2007	light duty
	Reviewed In : 2023 ISO	
	11900-1:2007	
33	IS 16793 (Part 2) : 2019	Tools for pressing - Ball - Lock punch retainers Part 2 types C and D reduced for light duty
	ISO 11900-2 : 2008	
	Reviewed In : 2023 ISO	
	11900-2:2008	
34	IS 16793 (Part 3) : 2018	Tools for pressing - Ball - Lock punch retainers Part 3 type E reduced for heavy duty
	ISO 11900-3 : 2004	
	Reviewed In : 2023 ISO	
	11900-3:2004	
35	IS 16794 (Part 1) : 2019	Tools for pressing - Punch holder shanks Part 1 type A
	ISO 10242-1 : 2011	
	Reviewed In : 2023 ISO	
	10242-1:2011	
36	IS 16794 (Part 2) : 2019	Tools for pressing - Punch holder shanks Part 2 type C
	ISO 10242-2 : 2008	
	Reviewed In : 2023 ISO	
27	10242-2:2008	Test for an electronic ballon deste Der 2 Terre D
37	IS 16794 (Part 3) : 2019	Tools for pressing Punch holder shanks Part 3 Type D
	ISO 10242-3:2008	
20	ISO 5621:1984	Teolo for pressing Die sets
38	IS 16795 : 2018	Tools for pressing - Die sets
	ISO 11415 : 1997 Reviewed In : 2023 ISO	
	11415:1997	
39	IS 16799 : 2018	Tools for pressing Materizas
27	ISO 8977 : 2003	Tools for pressing - Matrixes
	Reviewed In : 2023 ISO	
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40	IS 16800 (Part 1) : 2018	Tools for pressing - Wear plates for press dies Part 1 type A
40	ISO 9183-1 : 2008	Tools for pressing - wear plates for press dies I art i type A
	Reviewed In : 2023 ISO	
	9183-1:2008	
41	IS 16800 (Part 2) : 2018	Tools for pressing - Wear plates for press dies Part 2 type B
71	ISO 9183-2 : 2011	10015 for pressing - wear places for press ties I at 2 type b
	ISO 9183-2:2011 ISO 9183-2:2008	
42	IS 16924 : 2018	Tools for Moulding -Ejector Pins with Cylindrical Head
+ ∠	ISO 6751:2011	10015 for Moulding -Ejector Fins with Cylindrical field
	Reviewed In : 2023 ISO	
	6751:2011	
	IS 16927 : 2023	Tools for Moulding Angle Pins
43	$\mathbf{N} = \mathbf{N} + $	Loole for Moulding Angle Dine

	1684 : 1975	
	ISO 1684 Reviewed In : 2024 ISO	
59	IS 4918 : 1981	Specification for hard metal Carbide wire bar and tube drawing dies First Revision
	Reviewed In : 2021	
58	IS 4593 : 1968	Test chart for straight - Sided presses
	Reviewed In : 2023 ISO 6899 : 1984	
	ISO 6899	Revision
57	IS 4592 : 2002	Acceptance conditions of open mechanical front power presses - Testing of accuracy First
	- ()	second revision
56	IS 4296 (Part 2) : 2024	Tools for Pressing Punches Part 2 Punches with Cylindrical Head and Straight or Reduced Shank
	Reaffirmed but not taken up for revision	
	Reviewed In : 2021	
55	IS 2515 : 1978	Test chart for guillotine shears First Revision
	16915:2003	
	Reviewed In : 2023 ISO	
54	ISO 16915 : 2003	10015 for Moulding Optice Functs
54	15600:2000 IS 17225 : 2019	Tools for Moulding Sprue Pullers
	Reviewed In : 2023 ISO	
	ISO 15600 : 2000	
53	IS 17222 : 2019	Tools for Moulding Thermal Insulating Sheets for Injection Moulds
	11903:2008	
	Reviewed In : 2023 ISO	
	ISO 11903 : 2008	
52	IS 17220 : 2019	Tools for Pressing Guide Pillar Mountings
	ISO 11901-4:2021	Height
51	IS 17219 (Part 4) : 2023	Tools for Pressing Gas Springs Part 4 Gas Springs with Increased Spring Force and Same Built
	10 17010 (D	
	ISO 11901-2: 2018	
50	IS 17219 (Part 2) : 2023	Tools for pressing Gas springs Part 2 Specification of Accessories
	10907-2 : 2007	
	Reviewed In : 2023 ISO	Sheets in Small of Medium Moulus Types C and D
49	IS 16935 (Part 2) : 2018 ISO 10907-2 : 2007	100is for Moulding - Locating Rings Part 2 Locating Rings for Mounting with Thermal Insulating Sheets in Small or Medium Moulds Types C and D
49	10907-1:2008 IS 16935 (Part 2) : 2018	Tools for Moulding - Locating Rings Part 2 Locating Rings for Mounting with Thermal Insulating
	Reviewed In : 2023 ISO	
	ISO 10907 -1 : 2008	Insulating Sheets in Small or Medium Moulds Type A and B
48	IS 16935 (Part 1) : 2018	Tools for Moulding - Locating Rings Part 1 Locating Rings for Mounting without Thermal
	8694 : 2011	
	Reviewed In : 2023 ISO	
	ISO 8694 : 2011	
47	IS 16931 : 2018	Tools for Moulding - Shouldered Ejector Pins
	8693 : 2011	
	ISO 8693 : 2011 Reviewed In : 2023 ISO	
46	IS 16930 : 2018	Tools for Moulding - Flat Ejector Pins
10	8406 : 2008	Teals for Marthur The The D
	Reviewed In : 2023 ISO	
	ISO 8406 : 2008	
45	IS 16929 : 2018	Tools for Moulding - Mould Bases - Round Locating Elements and Spacers
	ISO 8405:2020	Revision
44	IS 16928 : 2022	Tools for moulding Ejector sleeves with cylindrical head Basic series for general purposes First
	ISO 16073-3:2019	
	ISO 8404:2021	

60	IS 7664 : 2005	Guide pillar for press tool die sets - Specification Second Revision
	Reviewed In : 2021	
61	IS 7706 : 1975	Specification for bolster plates for gap frame presses without die cushion
	Reviewed In : 2021	
62	IS 7707 : 1975	Specification for bolster plates for gap frame presses with die cushion
	Reviewed In : 2021	
63	IS 8127 : 2005	Guide bushes for press tool die sets - Specification Second Revision
	Reviewed In : 2021	
64	IS 9266 (Part 1) : 2017	Press working die sets Boss Type - Specification Part 1 centre post rectangular die sets First
		Revision
	Reviewed In : 2024	
65	IS 9266 (Part 2) : 2019	Press working die sets Boss Type - Specification Part 2 centre post square die sets First Revision
66	IS 9266 (Part 3) : 2019	Press working die sets Boss Type - Specification Part 3 centre post round die sets First Revision
67	IS 9266 (Part 4) : 1990	Press working die sets Boss Type - Specieication Part 4 centre post reverse rectangular die sets
	Reviewed In : 2022	
68	IS 9888 : 1981	Dimensions for sintered pellets of hard metal Carbide for wire bar and tube drawing dies
	ISO 2804	
	Reviewed In : 2024 ISO	
	2804:1973	