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

Published Standards

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	IS 10068 (Part 2):	Press working die sets (Plain Type)	-	-	Indigenous
	2018	- Specification: Part 2 centre post			
		square die sets (First Revision)			
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	IS 10644 : 1983	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				
9	IS 10731 : 2000	Presses - Slide holes for locating	March, 2021	-	Indigenous
	Reviewed In: 2021	the shanks - Dimensions (First			
1.0	YG 44044 100-	Revision)			
10	IS 11344 : 1985	Dimen - Sions for sintered carbide	March, 2021	-	Not Equivalent
	ISO 5407	pellets used in heading dies			
	Reviewed In : 2021				
	ISO 5407:1981	D. C. C.	37 1 2024		Y 1'
11	IS 11372 : 1985	Proforma for purchase	March, 2021	1	Indigenous
	Reviewed In: 2021	specification and technical features			
12	IC 11440 (B + 1)	for belt drop hammers	M 1 2021		τ 1'
12	IS 11443 (Part 1):	Tools for pressing and moulding -	March, 2021	-	Indigenous
		I		1	

	2016	Machined plates: Part 1 machined			
	ISO 6753-1 : 2005 Reviewed In : 2021	plates for press tools (Second Revision)			
13	IS 11443 (Part 2):	Tools for pressing and moulding -	March, 2019	-	Indigenous
	2003 ISO 6753-2	Machined plates: Part 2 machined plates for moulds (First Revision)			
	Reviewed In: 2019	places for modicis (1 list ice vision)			
14	IS 11505 : 1986	Recommendations on terminology	March, 2021	-	Indigenous
	ISO 5396 Reviewed In: 2021	of hardmetal heading diesISO title : hardmetal heading dies -			
	Reviewed III : 2021	Terminology)			
15	IS 11524 : 1986	Specification for carbide mandrels	March, 2021	-	Indigenous
	ISO 1651 Reviewed In: 2021	for tube drawing dies			
16	IS 11684 : 1986	Test chart for spinning and	March, 2021	-	Indigenous
	Reviewed In: 2021	planishing lathes	·		_
17	IS 11742 : 1986 Reviewed In : 2021	Test chart for die sets	March, 2021	-	Indigenous
18	IS 12852 : 1989	Gap frame hydraulic presses up to	March, 2021	1	Indigenous
	Reviewed In: 2021	4000 KN - Recommendation on	, .		
		preferred capacities and			
19	IS 12984 : 1990	dimensions Proforma for puruchase	March, 2021	_	Indigenous
	Reviewed In: 2021	specification for plate bending	11111111, 2021		indigenous
-	77.1.1.0	machines			
20	IS 14497 : 1997 Reviewed In : 2019	Capacity rating and dimensions for trimming presses	March, 2019	-	Indigenous
21	IS 14757 : 2000	RECOMMENDATIONS ON	March, 2021	-	Indigenous
	Reviewed In: 2021	PREFERRED CAPACITIES AND			
		DIMENSIONS FOR STRAIGHT-			
		SIDED COLUMN TYPE AND FOUR PILLAR TYPE			
		HYDRAULIC PRESSES			
22	IS 14758 : 2000	Forging machine tools - Glossary	March, 2021	-	Indigenous
23	Reviewed In : 2021 IS 14877 (Part 1) :	of terms Hydraulic presses - Straight sided	March, 2021	_	Indigenous
	2000	column/C - Frame type: Part 1 test	March, 2021		margenous
	Reviewed In: 2021	chart for geometrical accuracy			
24	IS 14877 (Part 2): 2002	Hydraulic presses - Straight sided column/C - Frame type: Part 2 test	March, 2019	-	Indigenous
	Reviewed In: 2019	chart for technical (Performance)			
		evaluation of presses and press			
25	10 1 10 70 2000	brakes	1. 1. 2021		Y 11
25	IS 14878 : 2000 Reviewed In : 2021	Test chart for plate bending machines	March, 2021	-	Indigenous
26	IS 15300 : 2016	Tools for pressing - Punches -	December, 2021	-	Identical under dual
	ISO 8695 : 2010	Nomenclature and terminology			numbering
	Reviewed In: 2021 ISO 8695:2010	(First Revision)			
27	IS 15318 : 2003	Open front mechanical power	March, 2019	-	Indigenous
	ISO 8540	presses - Vocabulary	,		
20	Reviewed In : 2019	The left and the Court Bill	M 2022		Thend 1 1 1 1
28	IS 15424 (Part 1): 2018	Tools for Pressing - Guide Pillars - Part 1 Types (First Revision)	May, 2023	-	Identical under dual numbering
	ISO 9182-1 : 2013	Tare I Types (I not Revision)			numbering
	Reviewed In: 2023				
20	ISO 9182-1:2013	Tools for pressing California	Mar. 2022	1	Identical and a dead
29	IS 15424 (Part 2): 2018	Tools for pressing - Guide pillars: Part 2 type A, straight pillars (First	May, 2023	-	Identical under dual numbering
	2010	are 2 type 11, straight phiars (1 list			numbering

1	ISO 9182-2 : 2013	Revision)		I	1 1
	Reviewed In : 2023	Revision)			
	ISO 9182-2:2013				
30	IS 15424 (Part 3):	Tools for pressing â€" Guide			Identical under dual
] 30	2021	pillars: Part 3 Type B, end-locking		_	numbering
	ISO 9182-3:2020	pillars (Second Revision)			numbering
		pinars (Second Revision)			
21	ISO 9182-3:2020	T1-f			Identical and and all
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			
L	ISO 9182-4:2020	Revision)			Identical and and ad
32	IS 15424 (Part 5):	Tools for pressing â€" Guide		-	Identical under dual
	2022	pillars: Part 5 Type D, end-locking			numbering
	ISO 9182-5:2020	pillars with flange (Second			
-22	ISO 9182-5:2020	Revision)			
33	IS 15448 (Part 1):	Tools for pressing - Guide bushes:	=	-	Identical under dual
	2018	Part 1 forms (First Revision)			numbering
1	ISO 9448-1 : 2013				
24	ISO 9448-1:2013	Tools for pressing Colida hash			Identical under dual
34	IS 15448 (Part 2): 2017	Tools for pressing - Guide bushes:	-	-	
	ISO 9448-2 : 2013	Part 2 form A, gliding bushes,			numbering
	ISO 9448-2 : 2013	plain, type 1 (First Revision)			
35	IS 15448 (Part 3):	Tools for pressing - Guide bushes:			Identical under dual
33	2018	Part 3 form B, ball cage bushes,	-	-	numbering
	ISO 9448-3 : 2013	plain, type 1 (First Revision)			numbering
	ISO 9448-3	plani, type 1 (1 list Revision)			
36	IS 15448 (Part 4):	Tools for pressing - Guide bushes:		_	Identical under dual
	2018	Part 4 form C, gliding bushes,		_	numbering
	ISO 9448-4	headed, type 1 (First Revision)			numbering
	ISO 9448-4:1991	neaded, type 1 (1 list Kevision)			
37	IS 15448 (Part 5):	Tools for pressing - Guide bushes:	_	_	Identical under dual
	2018	Part 5 form D, ball cage bushes,			numbering
	ISO 9448-5 : 2013	headed, type 1 (First Revision)			numbering
	ISO 9448-5	neaded, type 1 (1 list ite vision)			
38	IS 15448 (Part 6):	Tools for pressing - Guide bushes:	May, 2023	_	Identical under dual
	2018	Part 6 form E, gliding bushes,	-:- :: j, -:		numbering
	ISO 9448-6 : 2013	flanged, type 1 (First Revision)			
	Reviewed In: 2023				
	ISO 9448-6				
39	IS 15448 (Part 7):	Tools for pressing - Guide bushes:	May, 2023	-	Identical under dual
	2018	Part 7 form F, ball cage bushes,	3 /		numbering
	ISO 9448-7 : 2013	flanged, type 1 (First Revision)			
	Reviewed In: 2023				
	ISO 9448-7:2013				
40	IS 15448 (Part 8):	Tools for pressing - Guide bushes:	May, 2023	-	Identical under dual
	2018	Part 8 form G, gliding bushes,			numbering
	ISO 9448-8 : 2013	stepped, type 1 (First Revision)			
	Reviewed In: 2023				
	ISO 9448-8				
41	IS 15448 (Part 9):	Tools for pressing - Guide bushes:	May, 2023	-	Identical under dual
	2018	Part 9 form B, ball cage bushes,			numbering
	ISO 9448-9 : 2013	plain, type 2 (First Revision)			
	Reviewed In: 2023				
	ISO 9448-9				
42	IS 15448 (Part 10):	Tools for pressing - Guide bushes:	May, 2023	-	Identical under dual
	2018	Part 10 form E, gliding bushes,			numbering
	ISO 9448-10 : 2013	flanged, type 2 (First Revision)			
	Reviewed In: 2023				
•	•	•		•	•

1	ISO 9448-10	I Í		1	1
43	IS 15448 (Part 11):	Tools for pressing - Guide bushes:	May, 2023	-	Identical under dual
	2018	Part 11 form F, ball cage bushes,	·		numbering
	ISO 9448-11 : 2013	flanged, type 2 (First Revision)			
	Reviewed In: 2023				
<u> </u>	ISO 9448-11	1 D C C C C	Nr. 1 2010		Y 1'
44	IS 15744 : 2007	Angular Deflection for "C" Frame Mechanical Presses —	March, 2018	-	Indigenous
	Reviewed In: 2018	Specification			
45	IS 15745 : 2007	Deflection for straight sided	March, 2018	<u>-</u>	Indigenous
		mechanical presses - Specification			margenous
46	IS 15746 : 2007	ANGULAR DEFLECTION FOR	March, 2018	-	Indigenous
	Reviewed In: 2018	'C' FRAME HYDRAULIC			
		PRESSES - SPECIFICATION			
47	IS 15747 : 2007	Angular deflection for straight	March, 2018	-	Indigenous
	Reviewed In: 2018	sided hydraulic presses -			
48	IS 16727 : 2018	Specification Tools for Pressing â€" Sliding	May, 2023		Identical under dual
70	15 10/2/ . 2016	Plates	1v1ay, 2023	_	numbering
	Reviewed In: 2023				namo vinig
L	ISO 23480:2013				
49	IS 16728 : 2022	Tools for pressing � Cam driver		-	Identical under dual
	ISO 23481:2021	plates (First Revision)			numbering
	ISO 23481:2021	T 1 C	M 2022		T1 1 . 1 . 1
50	IS 16793 (Part 1): 2019	Tools for pressing - Ball - Lock	May, 2023	-	Identical under dual
	ISO 11900-1 : 2007	punch retainers: Part 1 types A and B, rectangular and square for light			numbering
	Reviewed In : 2023	duty			
	ISO 11900-1:2007				
51	IS 16793 (Part 2):	Tools for pressing - Ball - Lock	May, 2023	-	Identical under dual
	2019	punch retainers: Part 2 types C and			numbering
	ISO 11900-2 : 2008	D, reduced for light duty			
	Reviewed In : 2023				
52	ISO 11900-2:2008 IS 16793 (Part 3):	Tools for pressing - Ball - Lock	May, 2023	+	Identical under dual
] 32	2018	punch retainers: Part 3 type E,	May, 2023		numbering
	ISO 11900-3 : 2004	reduced for heavy duty			The strong
	Reviewed In: 2023				
	ISO 11900-3:2004				
53	IS 16794 (Part 1):	Tools for pressing - Punch holder	May, 2023	-	Identical under dual
	2019	shanks: Part 1 type A			numbering
	ISO 10242-1 : 2011 Reviewed In : 2023				
	ISO 10242-1:2011				
54	IS 16794 (Part 2):	Tools for pressing - Punch holder	May, 2023	-	Identical under dual
	2019	shanks: Part 2 type C	3,		numbering
	ISO 10242-2 : 2008				
	Reviewed In: 2023				
<u> </u>	ISO 10242-2:2008	—			
55	IS 16794 (Part 3):	Tools for pressing Punch holder		-	Identical under single
	2019 ISO 10242-3:2008	shanks Part 3 Type D			numbering
	ISO 10242-3:2008				
56	IS 16795 : 2018	Tools for pressing - Die sets	May, 2023	-	Identical under dual
	ISO 11415 : 1997		3 / -		numbering
	Reviewed In: 2023				
	ISO 11415:1997				
57	IS 16796 : 2022	Tools for pressing â€"		-	Identical under dual
	ISO 10243:2019	Compression springs with			numbering

	ISO 10243:2019	rectangular section â€" Housing dimensions and colour coding (First Revision)			
58	IS 16799 : 2018 ISO 8977 : 2003 Reviewed In : 2023 ISO 8977:2003	Tools for pressing - Matrixes	May, 2023	-	Identical under dual numbering
59	IS 16800 (Part 1): 2018 ISO 9183-1:2008 Reviewed In: 2023 ISO 9183-1:2008	Tools for pressing - Wear plates for press dies: Part 1 type A	May, 2023	-	Identical under dual numbering
60	IS 16800 (Part 2): 2018 ISO 9183-2:2011 ISO 9183-2:2008	Tools for pressing - Wear plates for press dies: Part 2 type B		-	Identical under dual numbering
61	IS 16924 : 2018 ISO 6751:2011 Reviewed In : 2023 ISO 6751:2011	Tools for Moulding -Ejector Pins with Cylindrical Head	May, 2023	-	Identical under dual numbering
62	ISO 8017 : 2007 Reviewed In : 2023 ISO 8017 : 2007	Tools for Moulding - Guide Pillars, Straight and Shouldered, and Locating Guide Pillars, Shouldered	May, 2023	-	Identical under dual numbering
63	IS 16926 : 2018 ISO 8018 : 2007 Reviewed In : 2023 ISO 8018:2007	Tools for Moulding -Guide Bushes, Headed, and Locating Guide Bushes, Headed	May, 2023	-	Identical under dual numbering
64	IS 16927 : 2023 ISO 8404:2021 ISO 8404:2021	Tools for Moulding Angle Pins		-	Identical under dual numbering
65	IS 16928 : 2022 ISO 8405:2020 ISO 8405:2020	Tools for moulding "i/2 Ejector sleeves with cylindrical head "i/2 Basic series for general purposes (First Revision)		-	Identical under dual numbering
66	IS 16929 : 2018 ISO 8406 : 2008 Reviewed In : 2023 ISO 8406 : 2008	Tools for Moulding - Mould Bases - Round Locating Elements and Spacers	May, 2023	-	Identical under dual numbering
67	IS 16930 : 2018 ISO 8693 : 2011 Reviewed In : 2023 ISO 8693 : 2011	Tools for Moulding - Flat Ejector Pins	May, 2023	-	Identical under dual numbering
68	IS 16931 : 2018 ISO 8694 : 2011 Reviewed In : 2023 ISO 8694 : 2011	Tools for Moulding - Shouldered Ejector Pins	May, 2023	-	Identical under dual numbering
69	IS 16932 : 2018 ISO 9449 : 2007 Reviewed In : 2023 ISO 9449 : 2007	Tools for Moulding - Centring Sleeves	May, 2023	-	Identical under dual numbering
70	IS 16933 : 2018 ISO 10072 : 2004 Reviewed In : 2023 ISO 10072:2004	Tools for Moulding - Sprue Bushes - Dimensions	May, 2023	-	Identical under dual numbering
71	IS 16934 : 2018 ISO 10073 : 2008 Reviewed In : 2023 ISO 10073 : 2008	Tools for Moulding - Support Pillars	May, 2023	-	Identical under dual numbering

I 70	L 10 1 (025 (D + 1)	l marcher ray l	M 2022	1	1
72	IS 16935 (Part 1): 2018	Tools for Moulding - Locating Rings Part 1 Locating Rings for	May, 2023	-	Identical under dual numbering
	ISO 10907 -1 : 2008				numbering
	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			numbering
	ISO 10907-2 : 2007	ε			
	ISO 10907-2 : 2007	Sheets in Small or Medium Moulds			
74		(Types C and D) Tools for Pressing â€" Gas Springs	May, 2023	_	Identical under dual
'-	2019	Part 1 General Specifications	Way, 2023		numbering
	ISO 11901-1 : 2003	Personal Property of the Prope			
	Reviewed In: 2023				
	ISO 11901-1:2003				
75	, , , ,	Tools for pressing Gas springs Part		-	Identical under dual
	2023	2: Specification of Accessories			numbering
	ISO 11901-2: 2018				
76	ISO 11901-2: 2018 IS 17219 (Part 3):	Tools for pressing Gas springs Part		_	Identical under dual
'0	2022	3: Gas spring with increased spring		_	numbering
	ISO 11901-3:2021	force and compact built height			numbering
	ISO 11901-3:2021	10100 and compact ount neight			
77		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				
79	ISO 11903:2008 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			numoums
		dies â€" List of equivalent terms			
		and symbols (First Revision)			
80	IS 17222 : 2019	Tools for Moulding â€" Thermal	May, 2023	-	Identical under dual
	ISO 15600 : 2000	Insulating Sheets for Injection			numbering
	Reviewed In: 2023	Moulds			
01	ISO 15600:2000	Trade Can Duracing ACC I. Cl.	M 2022	1	Tilentical 1 1 1
81	IS 17223 : 2019 ISO 16366 : 2008	Tools for Pressing â€" L-Shaped	May, 2023	_	Identical under dual
	Reviewed In : 2023	Guides			numbering
	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	<i>j</i> , -		numbering
	Reviewed In: 2023				
	ISO 16367:2008				
83	IS 17225 : 2019	Tools for Moulding â€" Sprue	May, 2023	-	Identical under dual
	ISO 16915 : 2003	Pullers			numbering
	Reviewed In : 2023				
0.4	ISO 16915:2003	Tarle Carl M. 111. ACM TO 1	M 2022	1	T14: 1 1 1 1
84	IS 17226 : 2019	Tools for Moulding â€" Tool	May, 2023	-	Identical under dual
	ISO 16916 : 2016 Reviewed In : 2023	Specification Sheet for Injection Moulds			numbering
	ISO 16916:2016	iviouius			
85	IS 17227 : 2019	Press Tools for Tablets â€"	May, 2023	-	Identical under dual
	ISO 18084 : 2011	Punches and Dies	u,, 2023		numbering
	Reviewed In: 2023				
1					1

	ISO 18084:2011				
86	IS 17228 : 2019	Tools for Moulding â€" Tool	May, 2023	-	Identical under dual
	ISO 24233 : 2008	Specification Sheet for Diecasting			numbering
	Reviewed In: 2023	Dies			
	ISO 24233:2008				
87		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	IS 17277 (Part 1):	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	IS 17277 (Part 2):	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
70	2021	Part 3: Safety requirements for			numbering
		hydraulic presses Adoption of ISO			numboring
	ISO 16092-3 : 2017	• •			
91		Machine Tools Safety Presses Part			Identical under dual
71	2023	4 Safety Requirements for		-	
	ISO 16092-4 : 2019	Pneumatic Presses			numbering
02	ISO 16092-4 : 2019		1 2021		Y 1'
92	IS 2515 : 1978	Test chart for guillotine shears	March, 2021	-	Indigenous
0.2	Reviewed In: 2021	(First Revision)	1, 1, 2021		******
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: Part 2 punches	March, 2021	-	Identical under dual
	2015	with cylindrical head and straight			numbering
	ISO 8020 : 2002	or reduced shank (First Revision)			
	Reviewed In: 2021				
	ISO 8020 : 2002				
95	IS 4296 (Part 3):	Tools for pressing: Part 3 round	March, 2021	-	Identical under dual
	2015	punches with 60 degree conical			numbering
	ISO 9181 : 2007	head and reduced shank (Second			
	Reviewed In: 2021	Revision)			
	ISO 9181 : 2007				
96	IS 4592 : 2002	Acceptance conditions of open	May, 2023	-	Identical under dual
-	ISO 6899	mechanical front power presses -	<i>y,</i> - 		numbering
	Reviewed In: 2023	Testing of accuracy (First			1
	ISO 6899 : 1984	Revision)			
97	IS 4593 : 1968	Test chart for straight - Sided	March, 2021	_	Indigenous
71	Reviewed In : 2021	presses	11111011, 2021		indigenous
98	IS 4918 : 1981	Specification for hard metal	March, 2019	_	Not Equivalent
70	ISO 1684	(Carbide) wire, bar and tube	1v1a1C11, 2017	1	TYOU Equivalent
	Reviewed In : 2019	drawing dies (First Revision]			
		mawing dies (First Revision]			
00	ISO 1684 : 1975	Classes of target male in	Man-1- 2021		T., 11
99	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)			<u> </u>
100	IS 6652 (Part 2):	Glossary of terms relating to metal	March, 2021	-	Indigenous
	1986	forming machines and tools: Part 2		I	i

	Reviewed In: 2021	metal forming machines relating to sheet metal (First Revision)				
101	IS 6652 (Part 3): 1986 Reviewed In: 2022	Glossary of terms relating to metal for - Ming machines and tools: Part 3 metal forming technology and operations relating to sheet metal (first revision)	April, 2022	-	Indigenous	
102	IS 7468 : 1974 Reviewed In : 2021	Recommendation on preferred strokes for mechanical and hydraulic presses	March, 2021	1	Indigenous	
103	IS 7469 : 1974 Reviewed In : 2019	Recommendation on preferred capacities for mechanical and hydraulic presses	March, 2019	-	Indigenous	
104	IS 7664 : 2005 Reviewed In : 2021	Guide pillar for press tool die sets - Specification (Second Revision)	March, 2021	-	Indigenous	
105	IS 7706 : 1975 Reviewed In : 2021	Specification for bolster plates for gap frame presses without die cushion	March, 2021	-	Indigenous	
106	IS 7707 : 1975 Reviewed In : 2021	Specification for bolster plates for gap frame presses with die cushion	March, 2021	-	Indigenous	
107	IS 8064 : 2002 Reviewed In : 2019	Method of designation of mechanical and hydraulic presses (Second Revision)	March, 2019	- Indigenous		
108	IS 8127 : 2005 Reviewed In : 2021	Guide bushes for press tool die sets - Specification (Second Revision)	March, 2021	-	Indigenous	
109	IS 8711 : 2002 Reviewed In : 2019 ISO 6898:1984	Gap frame open front mechanical presses - Capacity ratings and dimensions (First Revision)	March, 2019	-	- Not Equivalent	
110	IS 9266 (Part 1) : 2017	Press working die sets (Boss Type) - Specification: Part 1 centre post rectangular die sets (First Revision)	Press working die sets (Boss Type)		Indigenous	
111	IS 9266 (Part 2) : 2019	Press working die sets (Boss Type) - Specification: Part 2 centre post square die sets (First Revision)	-	Indigenous		
112	IS 9266 (Part 3): 2019	Press working die sets (Boss Type) - Specification: Part 3 centre post round die sets (First Revision)	-	-	Indigenous	
113	IS 9266 (Part 4): 1990 Reviewed In: 2022	Press working die sets (Boss Type) - Specieication: Part 4 centre post reverse rectangular die sets	April, 2022	-	Indigenous	
114	IS 9888 : 1981 ISO 2804 Reviewed In : 2019 ISO 2804:1973	Dimensions for sintered pellets of hard metal (Carbide) for wire, bar and tube drawing dies	March, 2019	-	Not Equivalent	

Standards under Development

Projects Approved				
SI. No.	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 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		

Draft Standards Completed WC Stage				
SI. No.	SI. No. Doc No. Title			
No Records Found				

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

	Finalized Draft Indian Standards under Print		
SI. No.	Doc No.	Title	
1	PGD 4 (21304) Revision of:	Tools for Pressing Punches Part 2 Punches with Cylindrical Head and Straight or Reduced Shank	
	IS 4296:2015		

Total Published Standards:114 Total Standards Under development:10

Aspect Wise Report

Product: 67
Code of Practices: 0
Methods of Test: 0
Terminology: 9
Dimensions: 23
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
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	Specification for pressure pins
8	IS 11684 : 1986 Reviewed In : 2021	Test chart for spinning and planishing lathes
9	IS 11742 : 1986 Reviewed In : 2021	Test chart for die sets
10	IS 14757 : 2000 Reviewed In : 2021	RECOMMENDATIONS ON PREFERRED CAPACITIES AND DIMENSIONS FOR STRAIGHT-SIDED COLUMN TYPE AND FOUR PILLAR TYPE HYDRAULIC PRESSES
11	IS 14877 (Part 1): 2000 Reviewed In: 2021	Hydraulic presses - Straight sided column C - Frame type Part 1 test chart for geometrical accuracy
12	IS 14877 (Part 2) : 2002 Reviewed In : 2019	Hydraulic presses - Straight sided column C - Frame type Part 2 test chart for technical Performance evaluation of presses and press brakes
13	IS 15424 (Part 2) : 2018 ISO 9182-2 : 2013 Reviewed In : 2023 ISO 9182-2:2013	Tools for pressing - Guide pillars Part 2 type A straight pillars First Revision
14	IS 15424 (Part 3) : 2021 ISO 9182-3:2020 ISO 8000-61 : 2016	Tools for pressing Guide pillars Part 3 Type B end-locking pillars Second Revision
15	IS 15424 (Part 4) : 2022 ISO 9182-4:2020 ISO/TS 23565:2021	Tools for pressing Guide pillars Part 4 Type C pillars with taper lead and bush Second Revision
16	IS 15424 (Part 5) : 2022 ISO 9182-5:2020	Tools for pressing Guide pillars Part 5 Type D end-locking pillars with flange Second Revision

17	IS 15448 (Part 1): 2018	Tools for pressing - Guide bushes Part 1 forms First Revision
	ISO 9448-1 : 2013	
	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	
	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 Revision
	ISO 9448-3 : 2013	
	ISO 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	
	ISO 9448-4:1991	
21	IS 15448 (Part 5): 2018	Tools for pressing - Guide bushes Part 5 form D ball cage bushes headed type 1 First Revision
	ISO 9448-5 : 2013	
	ISO 9448-5	
22	IS 15448 (Part 6): 2018	Tools for pressing - Guide bushes Part 6 form E gliding bushes flanged type 1 First Revision
	ISO 9448-6 : 2013	
	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 Revision
	ISO 9448-7 : 2013	
	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 Revision
	ISO 9448-8 : 2013	
	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 Revision
	ISO 9448-9 : 2013	
	Reviewed In: 2023 ISO	
	9448-9	
26	IS 15448 (Part 10): 2018	Tools for pressing - Guide bushes Part 10 form E gliding bushes flanged type 2 First Revision
	ISO 9448-10 : 2013	
	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: 2018	
29	IS 15745 : 2007	Deflection for straight sided mechanical presses - Specification
	Reviewed In: 2018	
30	IS 15746 : 2007	ANGULAR DEFLECTION FOR C FRAME HYDRAULIC PRESSES - SPECIFICATION
	Reviewed In: 2018	
31	IS 15747 : 2007	Angular deflection for straight sided hydraulic presses - Specification
	Reviewed In: 2018	
32	IS 16793 (Part 1): 2019	Tools for pressing - Ball - Lock punch retainers Part 1 types A and B rectangular and square for
1	ISO 11900-1 : 2007	light duty
1	Reviewed In: 2023 ISO	
25	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
1	ISO 11900-2 : 2008	
1	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
1	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	
36	10242-1:2011 IS 16794 (Part 2) : 2019	Tools for pressing - Punch holder shanks Part 2 type C
30	ISO 10242-2 : 2008	100is for pressing - Functi noider shanks Fart 2 type C
	Reviewed In : 2023 ISO	
	10242-2:2008	
37	IS 16794 (Part 3) : 2019	Tools for pressing Punch holder shanks Part 3 Type D
	ISO 10242-3:2008	, ,
	ISO 5621:1984	
38	IS 16795 : 2018	Tools for pressing - Die sets
	ISO 11415 : 1997	
	Reviewed In: 2023 ISO	
20	11415:1997 IS 16799 : 2018	Trade Community Medical
39	ISO 8977 : 2003	Tools for pressing - Matrixes
	Reviewed In : 2023 ISO	
	8977:2003	
40	IS 16800 (Part 1) : 2018	Tools for pressing - Wear plates for press dies Part 1 type A
	ISO 9183-1 : 2008	1 0 r r
	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
	ISO 9183-2 : 2011	
<u> </u>	ISO 9183-2:2008	
42	IS 16924 : 2018	Tools for Moulding -Ejector Pins with Cylindrical Head
	ISO 6751:2011 Reviewed In : 2023 ISO	
	6751:2011	
43	IS 16927 : 2023	Tools for Moulding Angle Pins
	ISO 8404:2021	
44	IS 16928 : 2022	Tools for moulding Ejector sleeves with cylindrical head Basic series for general purposes First
	ISO 8405:2020	Revision
45	IS 16929 : 2018	Tools for Moulding - Mould Bases - Round Locating Elements and Spacers
43	ISO 8406 : 2008	1001s for Mountaing - Mounta bases - Rounta Locating Elements and Spacers
	Reviewed In : 2023 ISO	
	8406 : 2008	
46	IS 16930 : 2018	Tools for Moulding - Flat Ejector Pins
	ISO 8693 : 2011	
	Reviewed In: 2023 ISO	
	8693 : 2011	
47	IS 16931 : 2018	Tools for Moulding - Shouldered Ejector Pins
	ISO 8694 : 2011	
	Reviewed In : 2023 ISO	
48	8694 : 2011 IS 16935 (Part 1) : 2018	Tools for Moulding - Locating Rings Part 1 Locating Rings for Mounting without Thermal
40	ISO 10907 -1 : 2008	Insulating Sheets in Small or Medium Moulds Type A and B
	Reviewed In : 2023 ISO	modiating sheets in Sman of Medium Modius Type A and b
	10907-1:2008	
49	IS 16935 (Part 2) : 2018	Tools for Moulding - Locating Rings Part 2 Locating Rings for Mounting with Thermal Insulating
	ISO 10907-2 : 2007	Sheets in Small or Medium Moulds Types C and D
	Reviewed In: 2023 ISO	
	10907-2 : 2007	
50	IS 17219 (Part 2): 2023	Tools for pressing Gas springs Part 2 Specification of Accessories
	ISO 11901-2: 2018	

51	IS 17219 (Part 4): 2023	Tools for Pressing Gas Springs Part 4 Gas Springs with Increased Spring Force and Same Built
	ISO 11901-4:2021	Height
52	IS 17220 : 2019	Tools for Pressing Guide Pillar Mountings
	ISO 11903 : 2008	
	Reviewed In: 2023 ISO	
	11903:2008	
53	IS 17222 : 2019	Tools for Moulding Thermal Insulating Sheets for Injection Moulds
	ISO 15600 : 2000	
	Reviewed In: 2023 ISO	
	15600:2000	
54	IS 17225 : 2019	Tools for Moulding Sprue Pullers
	ISO 16915 : 2003	
	Reviewed In: 2023 ISO	
	16915:2003	
55	IS 2515 : 1978	Test chart for guillotine shears First Revision
	Reviewed In: 2021	
56	IS 4592 : 2002	Acceptance conditions of open mechanical front power presses - Testing of accuracy First
	ISO 6899	Revision
	Reviewed In: 2023 ISO	
	6899 : 1984	
57	IS 4593 : 1968	Test chart for straight - Sided presses
	Reviewed In: 2021	
58	IS 4918 : 1981	Specification for hard metal Carbide wire bar and tube drawing dies First Revision
	ISO 1684	
	Reviewed In: 2019 ISO	
	1684 : 1975	
59	IS 7664 : 2005	Guide pillar for press tool die sets - Specification Second Revision
	Reviewed In: 2021	
60	IS 7706 : 1975	Specification for bolster plates for gap frame presses without die cushion
	Reviewed In: 2021	
61	IS 7707 : 1975	Specification for bolster plates for gap frame presses with die cushion
	Reviewed In: 2021	
62	IS 8127 : 2005	Guide bushes for press tool die sets - Specification Second Revision
	Reviewed In: 2021	
63	IS 9266 (Part 1) : 2017	Press working die sets Boss Type - Specification Part 1 centre post rectangular die sets First Revision
64	IS 9266 (Part 2) : 2019	Press working die sets Boss Type - Specification Part 2 centre post square die sets First Revision
65	IS 9266 (Part 3) : 2019	Press working die sets Boss Type - Specification Part 3 centre post round die sets First Revision
66	IS 9266 (Part 4) : 1990 Reviewed In : 2022	Press working die sets Boss Type - Specieication Part 4 centre post reverse rectangular die sets
67	IS 9888 : 1981	Dimensions for sintered pellets of hard metal Carbide for wire bar and tube drawing dies
07	ISO 2804	Dimensions for sincered penets of hard metal carbide for whe bar and tube drawing dies
	Reviewed In : 2019 ISO	
	2804:1973	
	2004.19/3	