



**Farm Machinery Testing and Training Centre**  
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**SPECIFICATION SHEET FOR TRACTOR OPERATED M.B. PLOUGH**

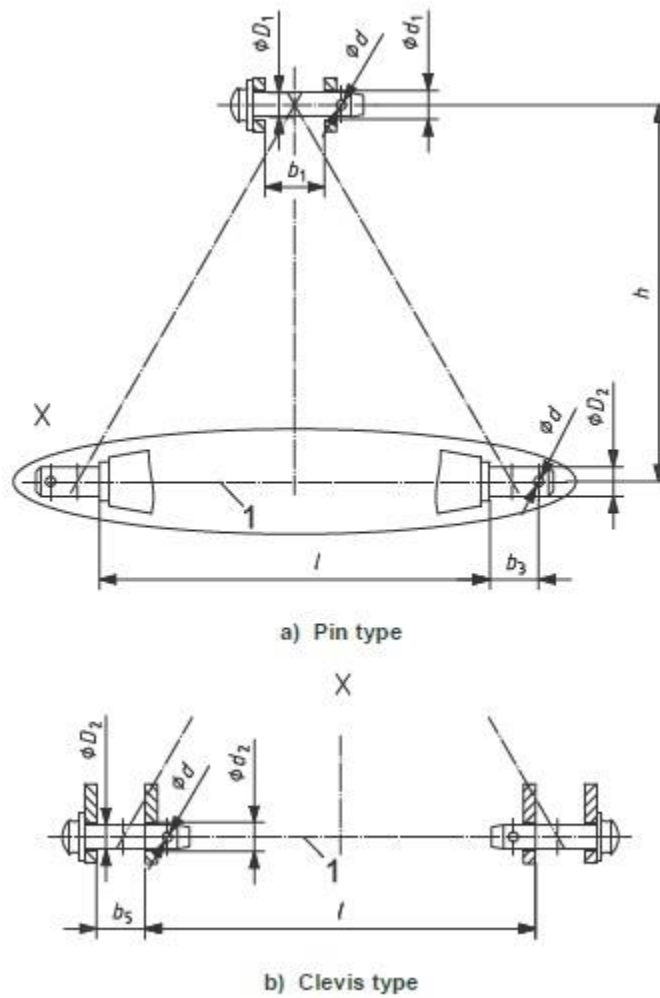
<b>1</b>	<b>General</b>		
	Name and address of manufacturer	:	
	Name and address of applicant	:	
	Name of machine	:	
	Type of Implement	:	
	Make	:	
	Model	:	
	Serial No	:	
	No. of bottom, mm	:	
	Year of Manufacture	:	
	Recommended power source	:	
	Power source required, kW	:	
<b>2</b>	<b>Frame:</b>		
	<b>Constructional Details:</b>		
	a)	Dimensions, mm	
	i)	Length	:
	ii)	Width	:
	Number & size of holes on frame for fixing standard, mm		:
<b>3</b>	<b>Standard:</b>		
	a)	Numbers	:
	b)	Material	:
	c)	Type	:
	d)	Dimensions, mm	
		- Projected length	:
		- Curved length	:
		- Width	:
		-At end	:
		-At middle	:
		- Thickness	:
	e)	No., size & spacing of holes	:

		for fixing frog, mm		
	f)	No. & size of holes for fixing to the frame	:	
	g)	Method of fixing	:	
<b>4</b>	<b>Plough Bottoms:</b>			
	a)	Numbers	:	
	b)	Type	:	
	c)	Size of plough, mm	:	
	d)	Vertical suction, mm	:	
	e)	Horizontal suction, mm	:	
	f)	Constructional details	:	
<b>4.1</b>	<b>Mould Board:</b>			
	a)	Numbers	:	
	b)	Type	:	
	c)	Material	:	
	d)	Dimensions, mm:-		
		- Length	:	
		- Width	:	
		- Thickness	:	
	e)	No & size of hole on mould board, mm	:	
	f)	Method of fixing mould board	:	
<b>4.2</b>	<b>Share:</b>			
	a)	Type	:	
	b)	Constructional details	:	
	c)	Method of fixing share to the bottom	:	
	d)	No & size of holes on share, mm	:	
	e)	Dimensions, mm	:	
<b>4.3</b>	<b>Share bar (Bar-point):</b>			
	a)	Type	:	
	b)	Material	:	
	c)	Dimensions, mm	:	
<b>4.4</b>	<b>Shin of mould board:</b>			
	a)	Numbers	:	
	b)	Material & thickness mm	:	
	c)	Dimensions, mm	:	
	d)	No & size of hole on shin for fixing on frog	:	
<b>4.5</b>	<b>Landside:</b>			

	a)	Numbers	:	
	b)	Material	:	
	c)	Dimensions, mm:		
		- Length & Thickness	:	
	d)	No & size of hole on landside, mm	:	
	e)	Method of fixing landside to frog	:	
4.6	<b>Braces</b>		:	
	a)	No. of braces		
	b)	Material & size, mm		
	c)	Dimensions, mm		
		- Projected length		
	d)	No. & size of hole on each brace, mm		
	e)	Method of fixing		
4.7	<b>Frog:</b>			
	a)	Numbers	:	
	b)	Material & thickness, mm	:	
	c)	Dimensions, mm	:	
	d)	No. & size of holes on frog, mm	:	
	i	-for mould board	:	
	ii	-for share	:	
	iii	-for standard	:	
	iv	-for landside	:	
	v	-for shin	:	
5	<b>Reversing Mechanism:</b>			
	a)	Type	:	
	b)	Mode of operation	:	
5.1	<b>Reversing lever (For Mechanical type plough)</b>			
	a)	Number	:	
	b)	Material	:	
	c)	Dimensions, mm	:	
		Projected/curve length	:	
		Diameter, mm	:	
		Method of fixing	:	
5.2	<b>Reverse lever (For Mechanical type plough)</b>			
	a)	Number		
	b)	Material		
	c)	Size, mm		
	d)	Dia. of reverse lever holder pin hole (mm)		

	e)	Dia. of reverse lever holder hole (mm)		
	f)	Method of fixing		
<b>5.3</b>	<b>Reverse lever lock pin pipe: (For Mechanical type plough)</b>			
	a)	Constructional detail	:	
	b)	Material	:	
	c)	Size, mm	:	
<b>5.3.1</b>	<b>Reverse lever lock pin: (For Mechanical type plough)</b>			
	a)	Material	:	
	b)	Size, mm	:	
		Size of square portion	:	
		Size of extended portion	:	
<b>5.3.2</b>	<b>Reverse lever pin spring: (For Mechanical type plough)</b>			
	a)	Number of spring	:	
	b)	Length of spring, mm	:	
	c)	Dia. (OD/ID), mm	:	
	d)	No. of coils	:	
	e)	Method of fixing	:	
<b>5.4</b>	<b>Main Shaft:</b>			
	a)	Constructional details	:	
<b>5.5</b>	<b>Cam:</b>			
	a)	Material	:	
	b)	Dimensions, mm		
	i)	Total length	:	
	ii)	Effective length	:	
	iii)	Thickness	:	
	iv)	Size of cam pin	:	
	v)	Size of linch pin hole on cam pin	:	
<b>5.6</b>	<b>Hydraulic Cylinder: (For Hydraulic type plough)</b>			
	a)	Type	:	
	b)	Size of cylinder, mm	:	
	c)	Size of high pressure pipe line fitted on the cylinder, mm	:	
	d)	Size of connecting arm, mm	:	
	e)	Stoke length, mm	:	
<b>5.7</b>	<b>Distributor: (For Hydraulic type plough)</b>			
	a)	Type	:	
	b)	Overall size, mm	:	
	c)	No. and size of hose pipes between tractor and distributor, mm		
<b>6</b>	<b>Implement hitch point as per IS</b>			

a)	Type	:		
b)	Constructional details	:		
c)	Size of upper hitch, mm	:		
d)	Size of Cross bar, mm	:		
Specification of Hitch Pyramid As per IS: 17231:2019(Reaffirmed in 2023)				
Sr. No.	Notations	As per IS: 17231:2019 (1N, 1, /2N, 2), mm	As measured, mm	Remarks
I	Upper hitch point			
D <sub>1</sub>	Diameter of hitch pin	19 (0-0.08)/ 25.5 (0-0.13)		
b <sub>1</sub>	Width between inner faces of yoke	52 (Min.)		
II	Lower hitch points			
D <sub>2</sub>	Diameter of hitch pin	22 (0-0.2)/ 28 (0-0.2)		
b <sub>3</sub>	Linch pin hole distance	49 (Min.)		
b <sub>5</sub>	Clevis width	65+20		
l	Lower hitch point span	400±1.5, 683±1.5, 683±1.5, 825±1.5		
III	Other dimensions			
d	Diameter for linch pin hole			
	Upper hitch pin	12 (min.)		
	Lower hitch pin	12 (min.)		
h	Mast height	360±1.5 460±1.5 610±1.5 610±1.5		



**Fig 1 Dimensions related to implement hitch attachment**

<b>8</b>	<b>Overall dimensions, mm :</b>			
	a)	Length	:	
	b)	Width	:	
	c)	Height	:	
<b>9</b>	<b>Total mass, kg</b>		:	
<b>10</b>	<b>Colour of implement</b>		:	

Place:

Date:

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

Designation: \_\_\_\_\_