

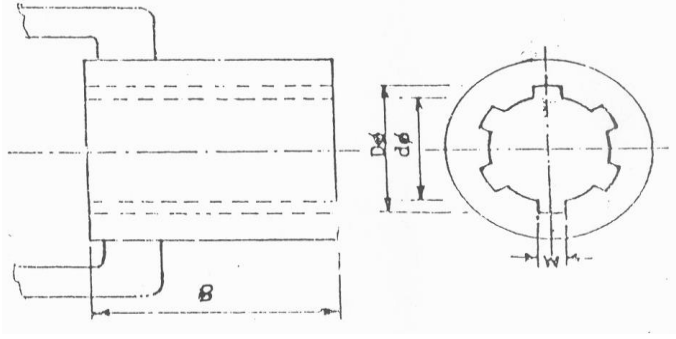
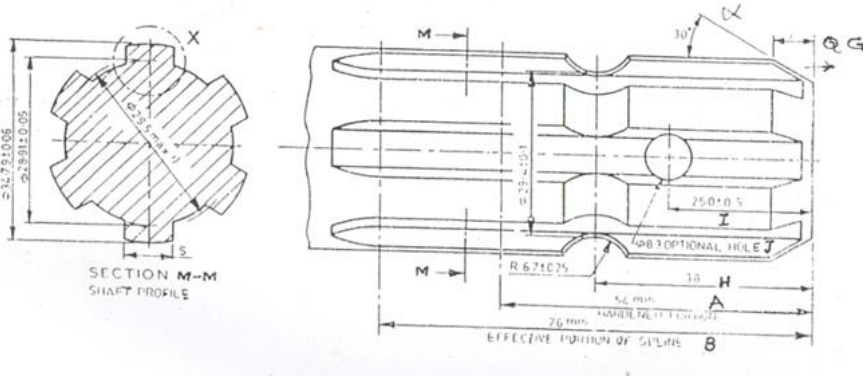


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**SPECIFICATION SHEET OF TRACTOR OPERATED BOOM SPRAYER**

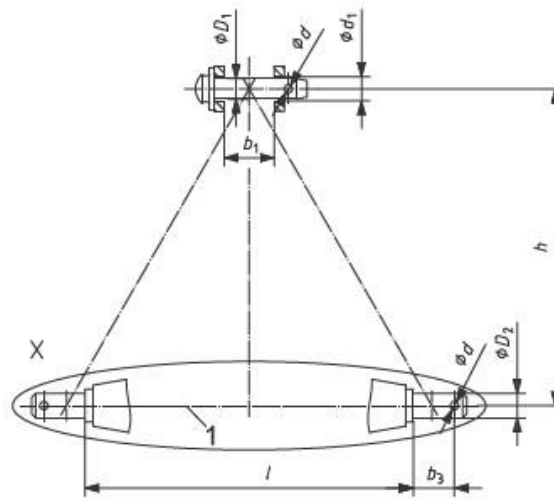
<b>1</b>	<b>General</b>		
	Name and address of manufacturer	:	
	Name and address of applicant	:	
	Name of machine	:	
	Type	:	
	Make	:	
	Model	:	
	Batch No/Code No.	:	
	Capacity of Sprayer, l	:	
	Serial No	:	
	Recommended working pressure, kg/cm <sup>2</sup>	:	
	Output capacity, l/min	:	
	Year of Manufacture	:	
	Optional boom	:	
Mass, kg.	:		
<b>2</b>	<b>Recommended Source of Power</b>		
	<b>Prime More Used, kW</b>	:	
<b>2.1</b>	<b>Propeller shaft</b>		
	Type	:	
	Length of shaft, mm		

		Maximum	:	
		Minimum	:	
		Mass of shaft, Kg	:	
		Provision of locking	:	
	<b>Hub Dimension, mm Refer fig.1 As per IS 4931:1995, mm</b>			
	<b>Notation</b>	<b>As per IS:4931:1995, mm</b>	<b>As observed, mm</b>	<b>Remarks</b>
	D $\phi$	34.93 $\pm$ 0.03		
	d $\phi$	29.7 $\pm$ 0.7		
	W	8.69 (Min)		
	B	--		
	 <p><b>Fig 1 Hub dimensions</b></p>			
	 <p><b>Fig 2 Dimensions of splined end of pinion shaft, mm</b></p>			

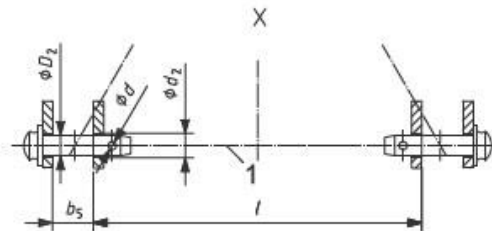
	Specification	As per IS: 4931-2004	As observed, mm	Remarks
	1	2	3	4
	D $\phi$	34.79 $\pm$ 0.06		
	d $\phi$	28.91 $\pm$ 0.05		
	B $\phi$	29.4 $\pm$ 0.1		
	S	8.69		
	R	6.7 $\pm$ 0.25		
	$\alpha$	30°		
	G	7		
	H	38		
	A	54 (Min.)		
	B	76 (Min.)		
	I	25 $\pm$ 0.5		
	J (optional hole)	8.3		
<b>3</b>	<b>Pump Description</b>			
	Make of pump	:		
	Type	:		
	No. of Plunger	:		
	Recommend pump speed for spraying, rpm	:		
	Suction Volume, l/min	:		
	Rated pressure for spraying, Kg/cm <sup>2</sup>	:		
	Pump, kW	:		

<b>4</b>	<b>Tank</b>			
	Shape	:		
	Size, mm (L x B x H)	:		
	Capacity, lit	:		
	Material	:		
	Method of Mounting	:		
<b>6</b>	<b>Main Frame</b>			
	Type	:		
	Size, mm (Length X Width)	:		
<b>7</b>	<b>Agitation Device</b>	:		
<b>8</b>	<b>Nozzle of boom</b>			
	Type	:		
	Nos. of nozzles	:		
	Arrangement of nozzles	:		
	Recommended working pressure, kPa	:		
	Recommended discharge rate, ml/min (for Cone & Jet spray)	:		
	Recommended cone angle at 3kg/cm <sup>2</sup> pressure, degree	:		
<b>9</b>	<b>Mounting arrangement</b>			
<b>9.1</b>	<b>Three point linkage, (Fig. 3)</b>			
	Type	:		
<b>Sr. No.</b>	<b>Notations</b>	<b>As per IS: 17231:2019 (1N, 1, /2N, 2), mm</b>	<b>As measured, mm</b>	<b>Remarks</b>
<b>I</b>	<b>Upper hitch point</b>			

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.)		
<b>II</b>	<b>Lower hitch points</b>			
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		
<b>III</b>	<b>Other dimensions</b>			
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		



a) Pin type



b) Clevis type

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

<b>10</b>	<b>Filter</b>		
	Make	:	
	Mesh size	:	
	Size (dia. and length), mm	:	
	Arrangement	:	
<b>11</b>	<b>Boom</b>		
	Type	:	
	Material	:	
	Size, mm	:	
	Height from ground, mm		
	Maximum	:	
	Minimum	:	
	Range of adjustment of height, mm	:	
	Provision of height adjustment	:	
	Method of attachment	:	

<b>12</b>	<b>Parking stand</b>			
	Type	:		
	Material	:		
	Size, mm	:		
	No of stand	:		
	Arrangement	:		
<b>13</b>	<b>Accessories</b>			
13.1	For operators safety against pesticides	:		
13.2	Tool kit	:		
<b>14</b>	<b>Overall dimensions, mm</b>			
	Length, mm	:		
	Without folding of boom	:		
	With folding of boom	:		
	Width, mm	:		
	Height, mm	:		
15	Mass with all accessories and without fuel and chemicals, kg	:		
16	Mass with all accessories, fuel and chemicals tank, kg	:		
17	Application/Area of Use			
18	Marking / Labelling	:		
	<b>Sr. No.</b>	<b>Parameter</b>	<b>:</b>	<b>Description</b>
	1	Make	:	
	2	Model	:	
	3	Sr. No.	:	
	4	Tractor power required	:	
	5	Year of manufacturing	:	
	6	e-mail/website	:	
	7	Name and address of manufacturer	:	

Place:

Date:

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

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

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