

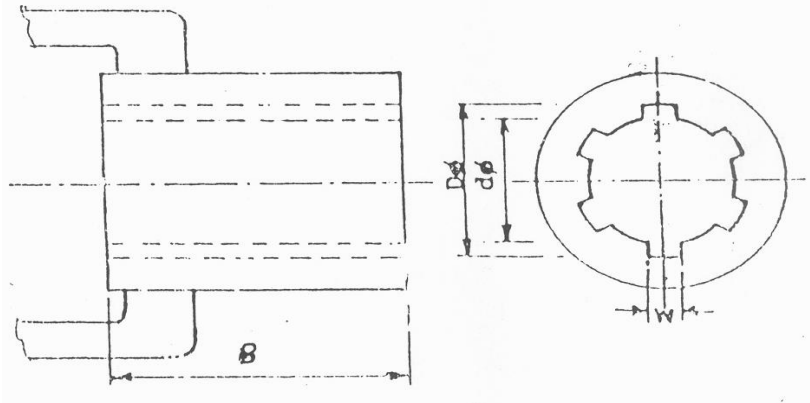
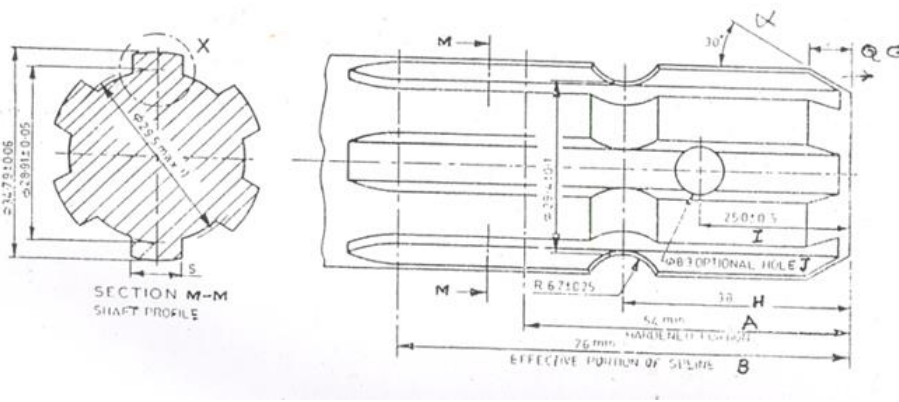


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SPECIFICATION SHEET OF TRACTOR OPERATED CROP DUSTER

1	General		
	Name and address of manufacturer	:	
	Name and address of applicant	:	
	Name of machine	:	
	Type	:	
	Make	:	
	Model	:	
	Batch No/Code No.	:	
	Capacity of duster, kg	:	
	Serial No.	:	
	Output capacity, kg/min	:	
	Year of manufacture	:	
	Mass, kg	:	
2	Recommended power source	:	
	Prime mover used, kW	:	
3	Power Transmission		
	Method of transmission	:	
3.1	Propeller shaft		
	Type	:	
	Length of shaft, mm		
	Maximum	:	
	Minimum	:	

Mass of shaft, kg		:	
Provision of locking		:	
Hub Dimension, mm Refer Fig 1 as per IS 4931:1995,			
Notations	As per IS:4931:1995, mm	As observed, mm	Remarks
D ϕ	34.93 \pm 0.03		
d ϕ	29.7 \pm 0.7		
W	8.69 (Min)		
B	--		
 <p style="text-align: center;">Fig 1 Hub dimensions, mm</p>  <p style="text-align: center;">Fig 2 Dimensions of splined end of PTO shaft, mm</p>			
Specification	As per IS: 4931- 2004	As observed, mm	Remarks

	1	2	3	4
	D ϕ	34.79 \pm 0.06		
	d ϕ	28.91 \pm 0.05		
	B ϕ	29.4 \pm 0.1		
	S	8.69		
	R	6.7 \pm 0.25		
	α	30°		
	G	7		
	H	38		
	A	54 (Min.)		
	B	76 (Min.)		
	I	25 \pm 0.5		
	J (optional hole)	8.3		
4	Frame			
	Material	:		
	Shape	:		
	Size, mm (L x B x H)	:		
5	Hopper			
	Material	:		
	Shape	:		
	Size, mm (W x H)	:		
	Thickness of sheet, mm	:		
	Capacity, kg	:		
6	Feed control device			
	Type	:		
	Material	:		
	Shape	:		
	Size, mm (L x B x T)	:		
7	Fan (Impeller)			
	Type	:		
	Material	:		
	Size, mm (Diameter & thickness)	:		
	No. of blades	:		
	Diameter & length of hub, mm	:		

8	Agitator		
	Type	:	
	Material	:	
	No. of agitator	:	
	Size, mm	:	
	Nos. & diameter of stud, mm	:	
9	Main shaft		
	Material	:	
	Diameter & Length, mm	:	
10	Belt and pulley drive		
	Type of pulley	:	
	Size of drive pulley, mm	:	
	Size of driven pulley, mm	:	
	Speed ratio	:	
	Type of bearing	:	
	Nos. & size of bearing, mm	:	
11	Coupling hose		
	Material	:	
	Size (diameter & Length), mm	:	
12	Delivery pipe		
	Material	:	
	Type	:	
	Size (diameter & Length), mm	:	

13	Implement hitch point as per IS			
	Type	:		
	Construction details	:		
Sr. No.	Notations	As per IS: 17231:2019 (1N, 1, /2N, 2), mm	As measured, mm	Remarks
I	Upper hitch point			
D ₁	Diameter of hitch pin	19 (0-0.08)/ 25.5 (0-0.13)		
b ₁	Width between inner faces of yoke	52 (Min.)		
II	Lower hitch points			
D ₂	Diameter of hitch pin	22 (0-0.2)/ 28 (0-0.2)		
b ₃	Linch pin hole distance	49 (Min.)		
b ₅	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		

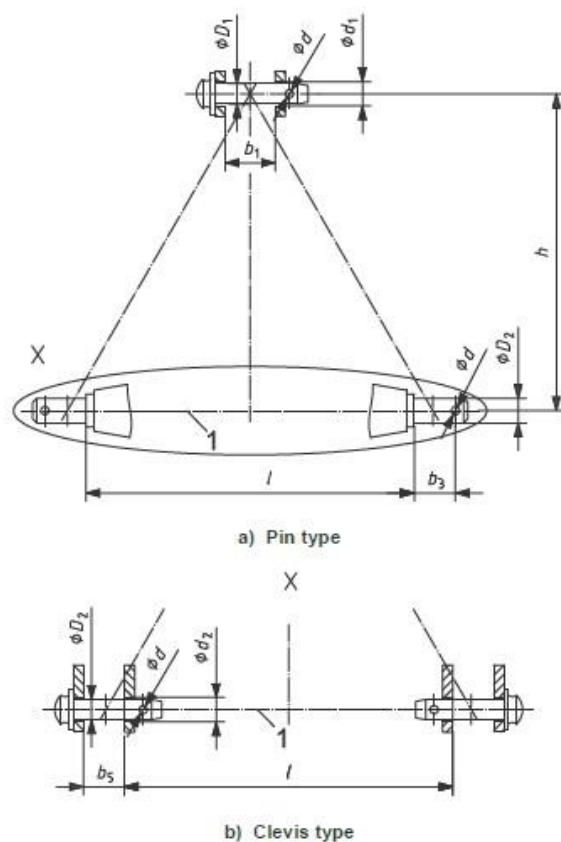


Fig 1 Dimensions related to implement hitch attachment

14	Overall dimensions, mm		
	Length	:	
	Width	:	
	Height	:	
	Weight	:	
15	Marking and packing		
	Manufacturer's name or recognized trademark, if any		
	Batch and code number		
	Hopper nominal capacity		

Place:

Date:

Signature:_____

Name:_____

Designation:_____