



Farm Machinery Testing and Training Centre
Department of Farm Power and Machinery
College of Agricultural Engineering and Technology
DR. PANJABRAO DESHMUKH KRISHI VIDYAPEETH
AKOLA- 444 104 (MS)



E-mail: fmtt28@gmail.com

SPECIFICATION SHEET OF MANUAL OPERATED SEED DRILL

1	General		
	Name and address of manufacturer	:	
	Name and address of applicant	:	
	Type	:	
	Make	:	
	Serial	:	
	Model	:	
	Year of manufacture	:	
	Different seeds which the Planter is designed to plant.	:	
	Recommended power source	:	
2	Recommended travelling speed of the manual operated seed drill	:	
	Furrow opener		
	Type	:	
	Type and tilt angle with respect to vertical	:	
	No. of openers	:	
	Arrangement of opener	:	

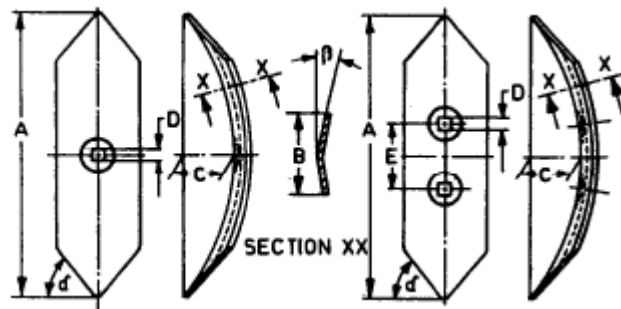


Fig.1 Furrow opener

3 Specification of furrow opener as per IS 6813: 2000 (Reaffirmed 2004) (Ref. Fig. 1)

Sr. No.	Notation	Dimension, mm	Conformity to Indian standard
1.	A		
2.	B		
3.	C		
4.	D		
5.	E		
6.	α		
7.	β		
Method of changing row space and range		:	
Nominal width, cm		:	
Lifting and lowering of openers		:	
Depth control		:	
4	Metering Mechanism		
Seed metering device:		:	
Type		:	
Size of feed shaft (mm)		:	
Size (dia.) and number of plate type metering mechanism, the		:	

	Number of holes		
	Source of power	:	
	Transmission ratio of shaft of seed metering device to land wheel axle	:	
	Type of agitator	:	
	Method of feed rate control for different seeds	:	
	Provision for closing seed discharge.	:	
5	Hopper		
	Seed hopper	:	
	Capacity, Kg	:	
	Type of hoppers	:	
	Sub hopper	:	
6	Marker details	:	
7	Seed covering arrangement		
	Type	:	
	Material	:	
	Size, mm	:	
8	Type of hitch and its details		
	Type	:	
	Material & Size of beam, mm	:	
9	Ground drive details		
	No. of wheels	:	
	Type of wheel	:	
	Size, mm	:	
	Method of transmitting power to feed shafts	:	

10	Details of adjustments		
	Sr. No.	Adjustments	Method
	1	Feed rate	
	2	Spacing of furrow openers	
	3	Depth of Planting	
	4	Drive wheel height	
	5	Reduction ratio of drive mechanism	
11	Details of safety arrangement for rotating parts	:	
12	Overall dimensions (L x B x H), mm	:	
13	Colour	:	
14	Number of greasing points	:	

Place:

Date:

Signature : _____

Name : _____

Designation: _____