

A completely new concept in ploughing from Massey Ferguson

# MF270



# MF 270 Diamond Plough



Hydraulic turnover and bar coupler are fitted as standard.



The strength of the MF 270 is designed to match the enormous output of the MF 1200 tractor.

Massey-Ferguson's MF 270 'Diamond' Plough does as much to change conventional ploughing as nearly three centuries of mouldboard development have done to foster it. Unlike traditional ploughing with mouldboards and coulter, which cut rectangular section furrows and turn them on their sides, the MF 270 inverts a furrow in the shape of a diamond—hence the plough's name. When rectangular furrows are inverted there is overlap and interference between them, and traditionally, in order to overcome this, plough bases had to have long point-to-point clearance. When two diamond furrows are turned, this interference problem disappears, allowing the bases to be closer together, and the length of the plough to be reduced. Additionally, the diamond section furrow base allows wide section tractor tyres to be used, which in turn

increases traction and reduces soil compaction.

#### Reduced clearances, coulter eliminated

Massey-Ferguson's exclusive new concept in plough design allows the plough to mount four bases in a length in which a conventional mouldboard plough could mount only three. The amount of clearance needed between the plough bases has been drastically reduced, without any loss in efficiency in turning over the soil. Not only has the use of coulters been eliminated, but saddles or landsides are not required either.

#### Big ploughs are easier to lift

The advantages of the 'Diamond' design are obviously greater when applied to the larger ploughs, resolving the problem

of providing today's high horsepower tractors with a mounted plough, strong and large enough to make best use of the big power output of these tractors, yet still easy for the tractor to lift on its hydraulics. The MF 270 'Diamond' Plough has a massive welded box section steel backbone, designed to match the enormous output of the MF 1200 Tractor.

#### 3, 4 and 5 furrow models available

The MF 270 'Diamond' Plough is available in three sizes—3 and 4 furrows with a choice of rigid or spring trip beams, or 5 furrows, with rigid beams.

Standard equipment includes hydraulic indexing, a fully adjustable depth control wheel, and a quick-attach Bar-Coupler, which enables the tractor operator to attach the plough in one minute!

## Specification

Model type	Mounted Reversible Diamond Plough	Beam type	Forged steel rigid or spring trip (3 and 4 furrow) Rigid only (5 furrow)
Linkage category	2	Wheel	Fully adjustable depth control and transport wheel
Frame type	Welded box section steel	Weight (3 furrow)	1030 kg (2270 lb) Rigid beams 1180 kg (2601 lb) Spring trip
Furrows	3, 4 or 5	(4 furrow)	1220 kg (2684 lb) Rigid beams 1400 kg (3080 lb) Spring trip
Furrow width	356 mm (14 in)	(5 furrow)	1400 kg (3080 lb) Rigid beams
Clearance under beam	749 mm (29.5 in)		
Longitudinal clearance	750 mm (29.5 in) 3 furrow 600 mm (23.6 in) 4 and 5 furrow		

**Note:** This leaflet is published for world-wide distribution and the availability of equipment shown either as basic or accessory, varies according to the territory in which the machine is to be used. Details of equipment available in your area can be obtained from your Massey-Ferguson Distributor/Dealer.

In accordance with the Company's policy of continuous improvement to its machines, alterations in the specifications of machines may be made at any time without notice and the Company accepts no responsibility for any discrepancies which may occur between the specifications of its machines and the descriptions thereof contained in its publications.

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