

# DATA SHEET

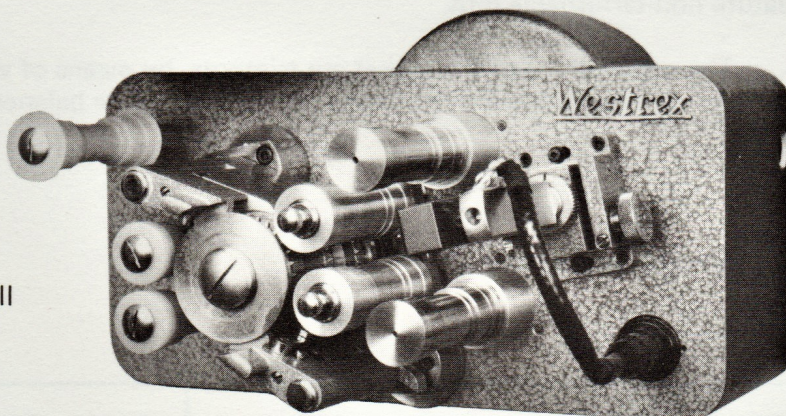
## CINEMA DIVISION

### 5008A, B & C MAGNETIC SOUND REPRODUCER

#### INTRODUCTION

The British made 5008A, B or C Magnetic Sound Reproducers form part of the Westrex 5000 series of system-engineered equipments designed to meet the needs of all current and anticipated film formats for all types of cinema theatres.

The Westrex 5008 A, B or C Magnetic Sound Reproducer fits easily on top of the projector. These are rugged double-drum pull-through scanning mechanisms for magnetic reproduction and incorporate a free-running composite sprocket for 35 or 70mm film and easily interchangeable single, four or six track plug in magnetic head assemblies.



#### TYPES

The difference between the 5008A, B and C Reproducers are as follows:—

- (1) The plug-in Magnetic Head and Azimuth Mount in 5008A cater for single-track 35mm reproduction.
- (2) The plug-in Magnetic Head and Azimuth Mount in 5008B cater for 4-track 35mm CinemaScope reproduction only.
- (3) The plug-in Magnetic Head and Azimuth Mount in 5008C cater for 6-track 70mm Todd A.O. reproduction only.

**NOTE.** The 5008C can have a 4-track 35mm Magnetic Head assembly for CinemaScope, interchangeable with the 6-track 70mm Todd A.O. Head.

#### MAIN FEATURES

The pull-through type 5008 Magnetic Reproducer mechanism incorporates the following features:

- (a) Efficient versatility in catering for full range of 35 and 70mm formats.
- (b) Plug-in magnetic replay heads having adjustable Azimuth Mounting.
- (c) Double-drum scanning system ensuring minimum "wow" and "flutter".

#### SPECIAL POINTS

1. The fully stabilised pull-through drive scanning mechanism (as opposed to the driver mechanism) isolates the reproducer from mechanical interference that might otherwise be transmitted from the projector. The composite 35/70mm sprocket is free-running on its own shaft to enable the film to pull it round.



### SPECIAL POINTS continued

2. The head assemblies (complete with connector) are easily inter-changeable from one type of track to another and are individually set for correct azimuth so that no resetting is required when changing over from one type of film to another.
3. The unit employs a tight-loop double-drum scanning system and a silicon fluid dashpot damped supression system which reduces "flutter" and "wow" to a minimum. The dashpot is made of perspex so that the quantity of silicon fluid it contains at any given time can be seen at a glance.
4. The plugs provided for use with the magnetic replay heads are of a robust type and feature non-tarnishable pins.
5. The connections to the socket are trimpots, by means of which the high-frequency projector self-reproduction from each track head can be balanced.

### DIMENSIONS AND WEIGHTS

#### Reproducer

Width	12 ins.	(30.5 cms.)
Depth	9 ins.	(22.9 cms.)
Height	7¾ ins.	(19.7 cms.)
Weight	23 lbs.	(10.4 kgms.)

**NOTE.** The Westrex 5000 series of cinema projection and sound equipments are British made throughout. The Westrex Installation Planning Department is freely available to give advice on any aspect of film presentation.