

**DATA RETRANSMISSION OUTFIT TRA**

**TRA**

**SUMMARY OF DATA**

**PURPOSE**

To receive an output from a single magslip of 360° sector value and to retransmit this received information on up to eight magslips, also of 360° sector value.

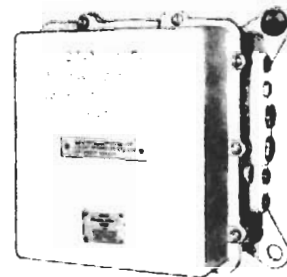
**BRIEF DESCRIPTION**

The Data Bearing Retransmitter is a servo operated unit which accepts a single coarse transmission of bearing data and can provide eight retransmission channels. Driven by the Control Amplifier it operates one 115 V 60 Hz, and six 115 V 400 Hz magslip transmitters with provision for the addition of one further 2 inch or 3 inch magslip.

Accuracy of following is of the order of 2.5 minutes of arc per rev/min.

The manufacturing limit of backlash is:-

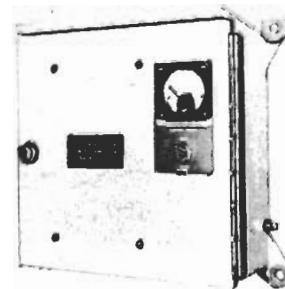
- Resetter to four magslips on anti-backlash
- Cluster - 4 minutes of arc
- Resetter to remaining magslips - 7½ minutes of arc.



RETRANSMITTER DATA BEARING

**MAJOR UNITS**

- NSN 5990-99-972-9397, Retransmitter, Data Bearing
- NSN 6110-99-972-9398, Control Amplifier



CONTROL AMPLIFIER

**PHYSICAL DATA**

	<u>Height</u>	<u>Width</u>	<u>Depth</u>	<u>Weight</u>
Retransmission Unit	16½ in	15 in	11½ in (approx)	71 lb
Control Amplifier	11½ in	11 in (approx)	5½ in (approx)	20 lb (approx)

**POWER REQUIREMENTS**

- Retransmitter 115 V 400 Hz single phase a.c. - 0.5A per transmitter magslip  
115 V 60 Hz 0.5A per transmitter magslip
- Control Amplifier 115 V 400 Hz 35 watts

**HANDBOOK**

BR 2367

**ESTABLISHMENT LIST**

E 1355

**INSTALLATION SPECIFICATION**

B922