

PICKUP ARMS PUA/5 SERIES**Type PUA/5**

This pickup arm is intended for playing fine-groove monophonic recordings only.

The arm is made of a hard aluminium alloy tube and carries on the forward end a plastic moulding on to which the reproducing head fits. This tubular arm pivots in miniature ball races about a horizontal axis in a trunnion member which is itself attached to a hollow vertical shaft running in ball journal bearings housed in the mounting base. An extension of the vertical shaft projects below the mounting base where, on some equipment, the graduated scale of a pickup-position indicator system may be attached. (See the DRD/5.) The pickup leads pass through the arm and the hollow vertical shaft.

The reproducing head used in the PUA/5 is the Acos Type HGP 39-2 which is a commercial crystal unit of the Rochelle salt type. The stylus is visible and is mounted at the end of a compliant cantilever which lies more or less horizontal and close to the disk surface. The disk can therefore be rotated either backwards or forwards for editing purposes without danger of the stylus digging into the surface of the disk. The compliant cantilever lies between guard plates to limit the possible deflection and

therefore the force which can be applied to the crystal element.

A counterweight on the rear end of the pickup arm enables the playing weight to be adjusted, and this should normally be set to about 6 grammes.

Type PUA/5A

This is a modified PUA/5, fitted with a Decca Deram cartridge.

Type PUA/5B

This is a PUA/5 so modified that it can be used for playing stereo, as well as mono, fine-groove recordings.

The head of the arm consists of a different shell to which is fitted a Goldring 800 cartridge.

The counterweight at the rear end of the arm, although similar in style, is different in mass from that on the PUA/5. This is so that a playing weight of 3 grammes, suitable for the cartridge, can be employed.

Reference

Reproducing Desk DRD/5B, Designs Department Specification 1.44(68).

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