The home of the turntable

THE VINYL ENGINE®

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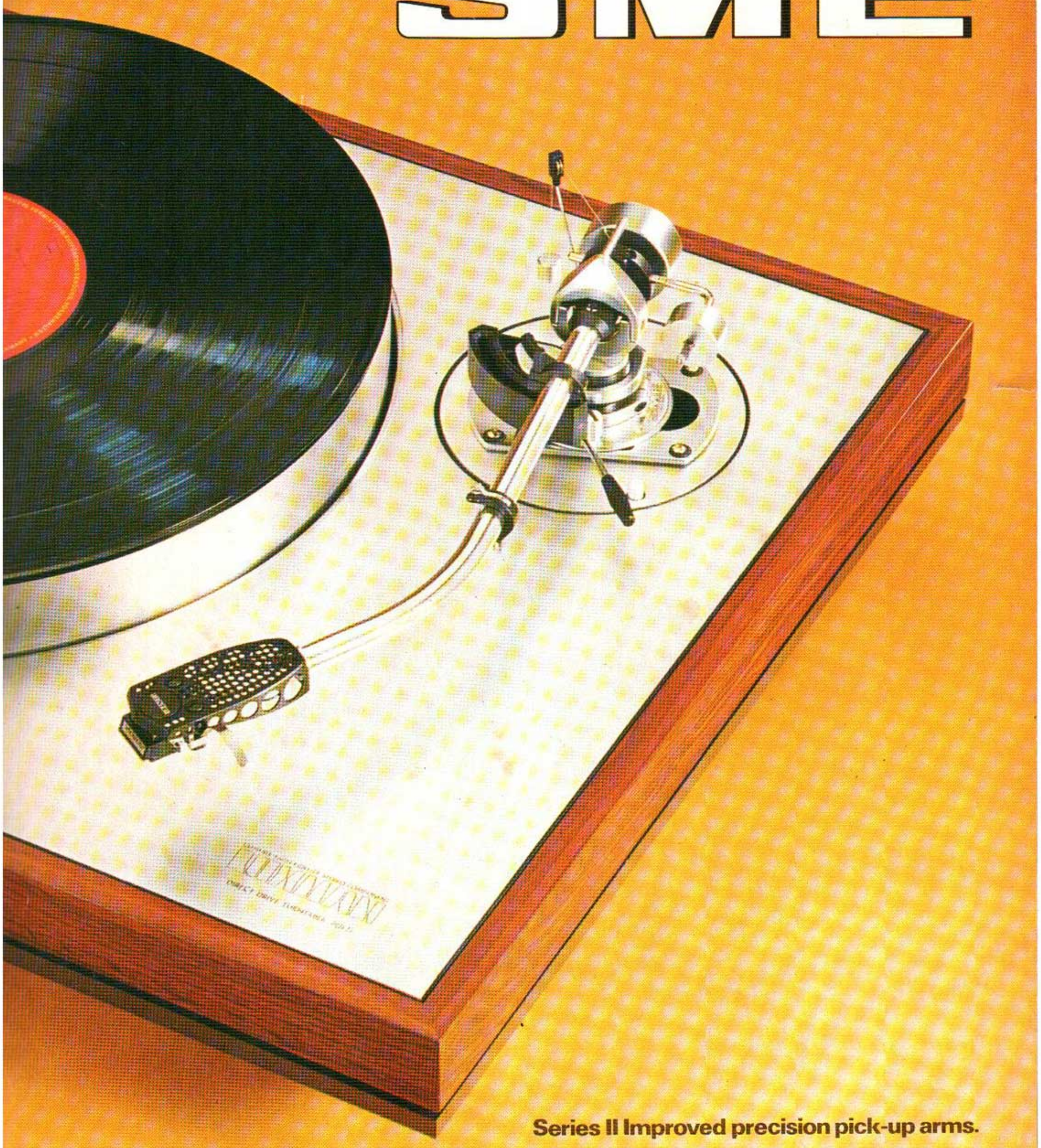
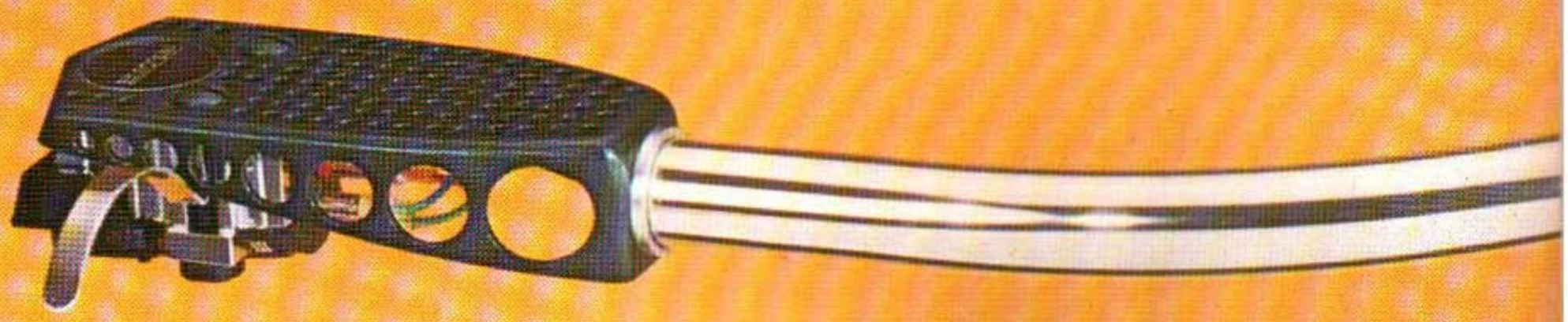
SME

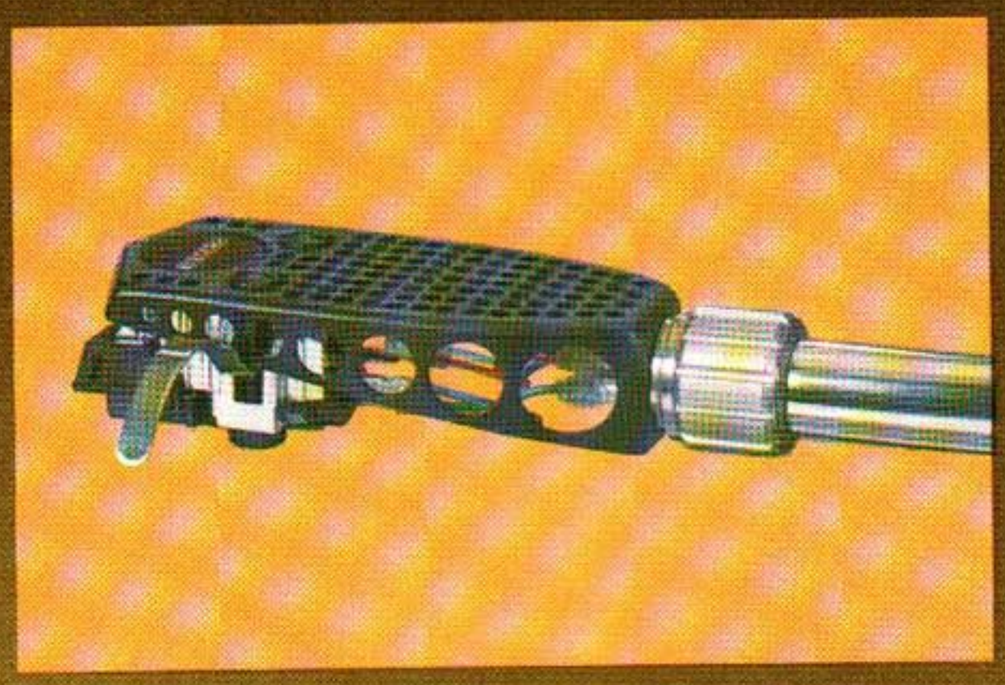


Series II Improved precision pick-up arms.

SME



Sensitivity and strength are combined in these finely engineered precision pick-up arms. Our research brings to them further detail refinements with accessories extending application and enhancing performance.
Each arm is meticulously built and tested and will meet its specification reliably for many years.



- Low-friction pivots. Vertical axis: High precision fully protected ball races. Horizontal axis: Knife edges. Less than .020 gram applied at the stylus will deflect the arm in either direction.
- Low inertia. Fixed elements of the balance system are light. Movable elements are heavy and close to the fulcrum.
- Low distortion geometry.
- Bias, adjustable to correspond with tracking force.
- Base slides on bedplate for tracking adjustment with protractor.
- Arm mass divided by elastic coupling.
- Tracking force 0–1.5 grams applied precisely without the use of a gauge.
- Lever operated hydraulically damped lowering and raising control.
- Shell accepts all cartridges with $\frac{1}{2}$" (12.7 m.m.) fixing centres and weighing 4–9 grams. (Standard balance weight). Alternative weights extending this range upwards and downwards are available. See information sheet No. 21.
- 4' (1.22 metres) audio lead. SME phono plugs are standard, DIN 5-pole supplied on request.
- Camera finish in satin chrome, gun black, anodised alloy and polished stainless steel.
- Rational development. Earlier SME arms can be updated – particulars on request.

For minimum effective mass the standard model 3009 Series II Improved precision pick-up arm has a non-detachable shell and should be selected whenever a cartridge having a compliance higher than 30 cu.s will be used.
A model 3009/S2 Series II Improved precision pick-up arm with detachable shell is also offered and may be used with lower compliance cartridges or where the facility of rapid cartridge interchange is a priority.

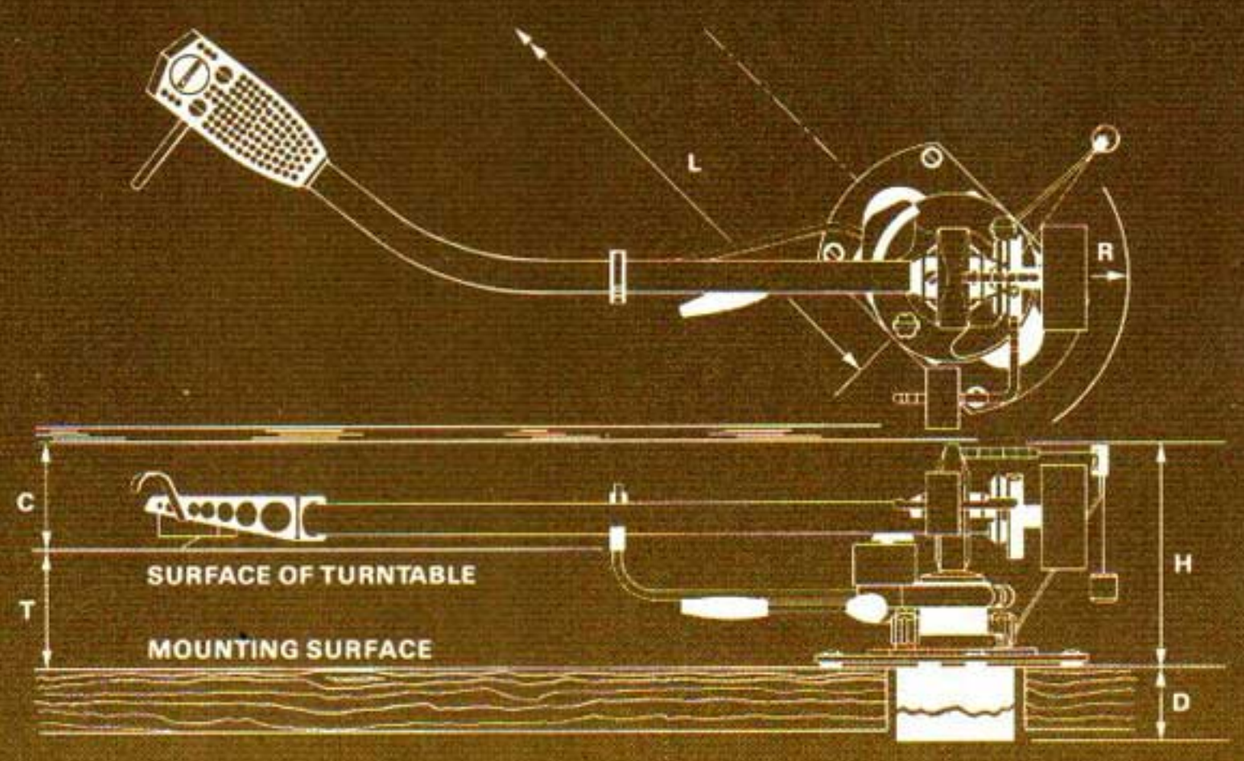
Backed by competent and prompt technical and repair service direct from the factory to any part of the world, the SME precision pick-up arm is a product that can be bought with complete confidence. As one of our customers put it 'Owning an SME arm is like being a life member of an exclusive club!'

DIMENSIONS

		inches	mm.
Nominal length, pivot to stylus		9	229·0
Distance from bedplate centre to turntable centre (L)		8.58	217·9
Tracking adjustment		± ½	± 12·7
Height above mounting surface (H) – adjustable	max	3⅛	79·4
	min	2⅜	60.3
Height of turntable surface above mounting surface (T)	max	1⅝	41·3
	min	1 1/16	27·0

Note: When the turntable surface is more than 1⅝" (41·3mm.) above the surface on which the arm is mounted a spacer, SME accessory P.1, is required.

Depth required below mounting surface (D)	1⅞	47·6
Clearance required for balance weights (R)	2	50.8
Clearance required between turntable surface and cabinet lid (C)	1¾	44·5



Each arm is packed in a styrene block with 4′ (1·22 metres) audio lead, mounting screws, cartridge fixing screws, finger lift, mounting template, alignment protractor and illustrated instruction book.

Printed outer carton measures 12⅝" (322 mm.) x 5⅝" (142 mm.) x 3⅝" (92 mm.)

Gross weight – 2 lbs. (910 grams)

The Company's policy is the continuous improvement of its products. We therefore reserve the right of any departure from illustration or specification herein that this may occasion.

Fluid Damper FD 200

The FD.200 fluid damper renders the pick-up arm less lively. In this respect it performs a similar function to the shock absorber of a motorcar. The damper does not resist the normal slow passage of the arm across the record, but any influence which would tend to produce rapid arm motion is resisted because of the flow characteristic of the fluid.

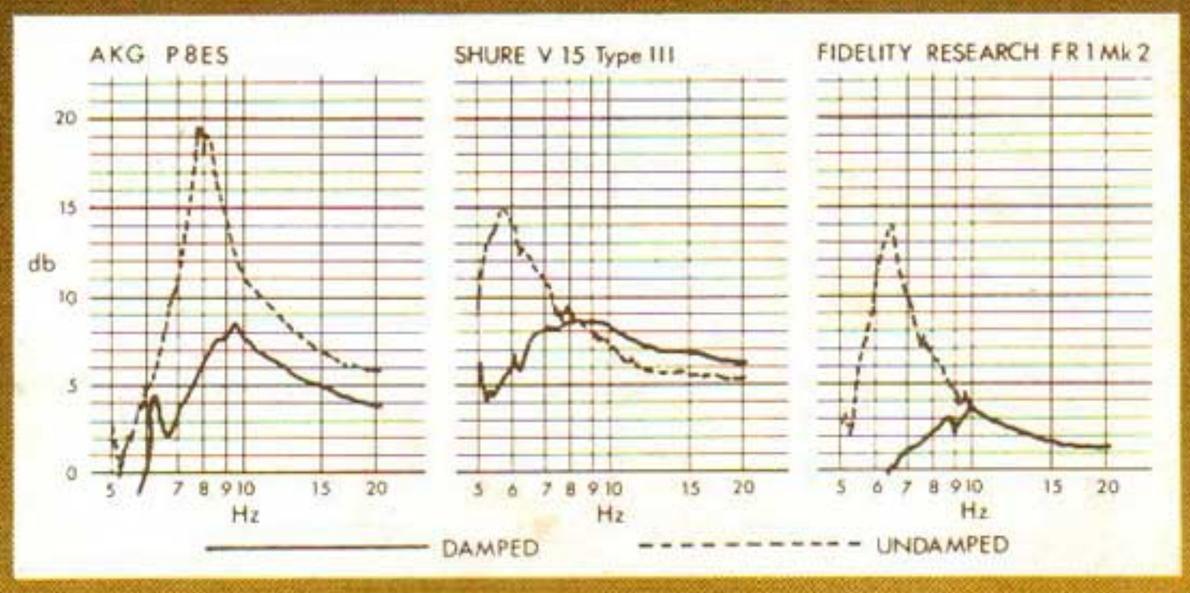
The benefits are smoother bass, resistance to external shock and reduction of spurious low frequencies.

The prior art has been to apply damping at the bearings but this method is inherently inefficient and liable to migration of the damping fluid. The FD.200 overcomes these problems as it is applied at a radius of 1.45 inches (36·8 m.m.) making it several times more effective.

It is suitable for use with all Series II and Series II Improved arms and offers a choice of three damping rates to suit all cartridge compliances.

The attractively presented kit includes all parts necessary for the conversion which is easily carried out by the user following the explicitly illustrated instruction booklet.

It is recommended for all cartridges, particularly those of relatively low compliance which might otherwise require a more massive arm.



The illustrations show typical extreme low frequency response characteristics of three cartridges in the Series II Improved arm.

Note the substantial reduction in the Q of the low frequency resonance. Although these frequencies are themselves outside the range of human hearing they give rise to undesirable side-effects which are audible.

Precision gramophone equipment manufactured in England by
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and obtainable from: