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THE VINYL **ENGINE**®

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SME

PRECISION PICK-UP ARMS



*Models 3009/S2 Improved
and 3009 Series II Improved*

Sensitivity and strength combine with versatility to ensure the continuing popularity of the Series II Improved design which is available in two versions.

Model 3009/S2 is the standard arm having a typical pivot to stylus distance of 9.103" (231.2 mm). Average effective mass is 12.5 grams. It is the one most frequently used and has a detachable shell, S2, which is interchangeable with others of similar pattern.

Model 3009 is generally similar but the shell is non-detachable, saving weight and reducing the average effective mass to 9.5 grams. This can provide better matching for high compliance cartridges by raising the system resonance above the critical 5-8 Hz region in which excitation by record warp occurs.

Both models have a polished bright-anodised aluminium tone arm 0.375" (9.5 mm) diameter with a wall thickness of .022" (0.56 mm). A fibrous lining assists the dissipation of acoustic information.

The S2 shell is pressed from aluminium alloy, rationally perforated for lightness and strength.

Series II Improved arms are compact and easily adjustable. Their balance range can be widened if desired with one or another of the accessory weights offered for the purpose.

Straightforward design makes them a popular choice with enthusiasts and professional users throughout the world. Each arm is meticulously built and tested and will meet its specification reliably for many years.

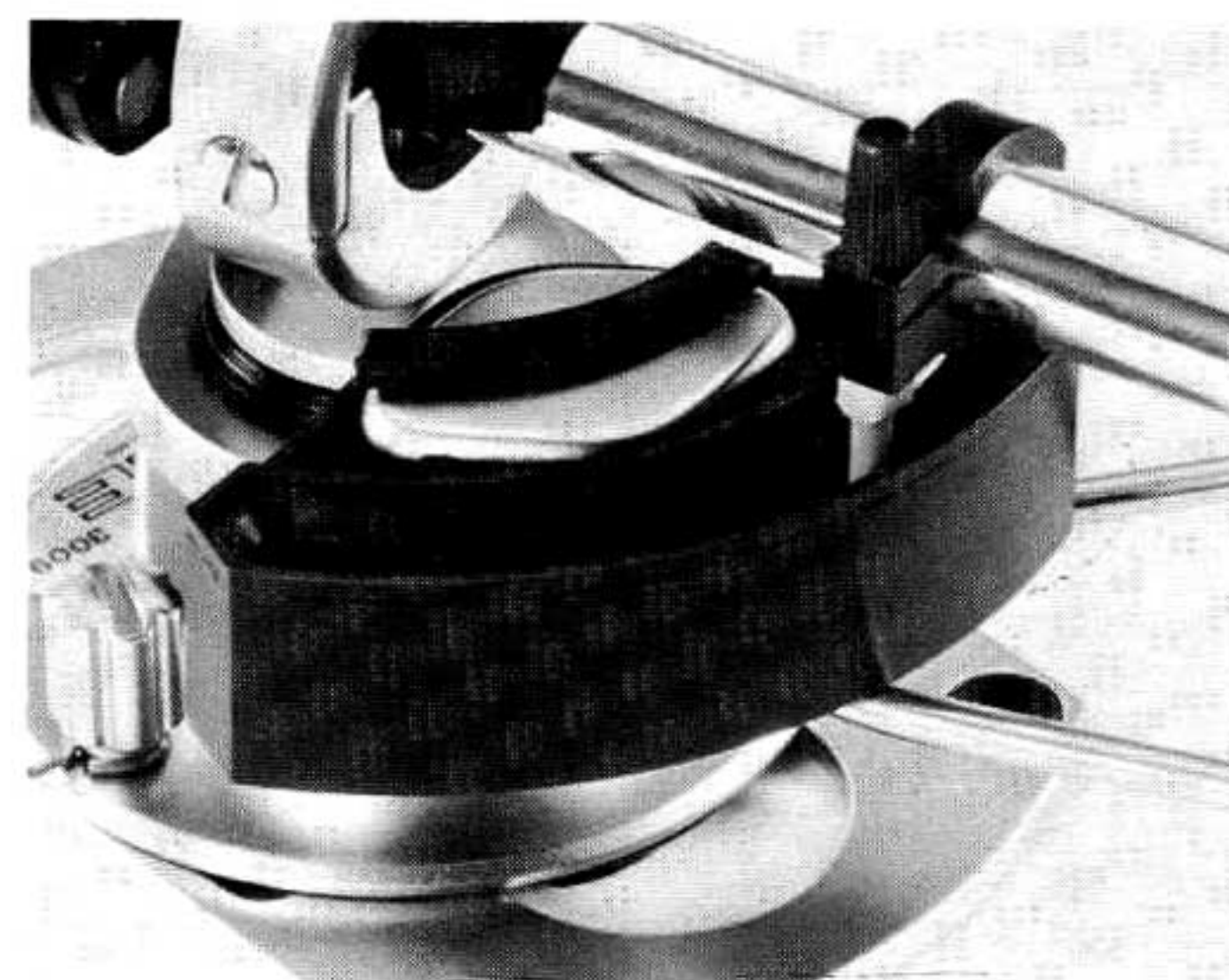
A fluid damper, FD.200, is an optional extra. The normal passage of the arm across the record is unaffected but influences which tend to produce rapid motion are resisted by the flow characteristic of the fluid, reducing sensitivity to shock. It is effective in both planes and can be adjusted to give different rates of damping.

Dimensions

	Inches	mm
Nominal length, pivot to stylus	9.103	231.2
Distance from bedplate centre to turntable centre (L)	8.480	215.4
Tracking adjustment	±0.50	±12.7
Height above mounting surface (H) – adjustable		
max.	3.125	79.3
min.	2.375	60.3
Height of turntable surface above mounting surface (T)		
max.	1.625	41.3
min.	1.062	27.0

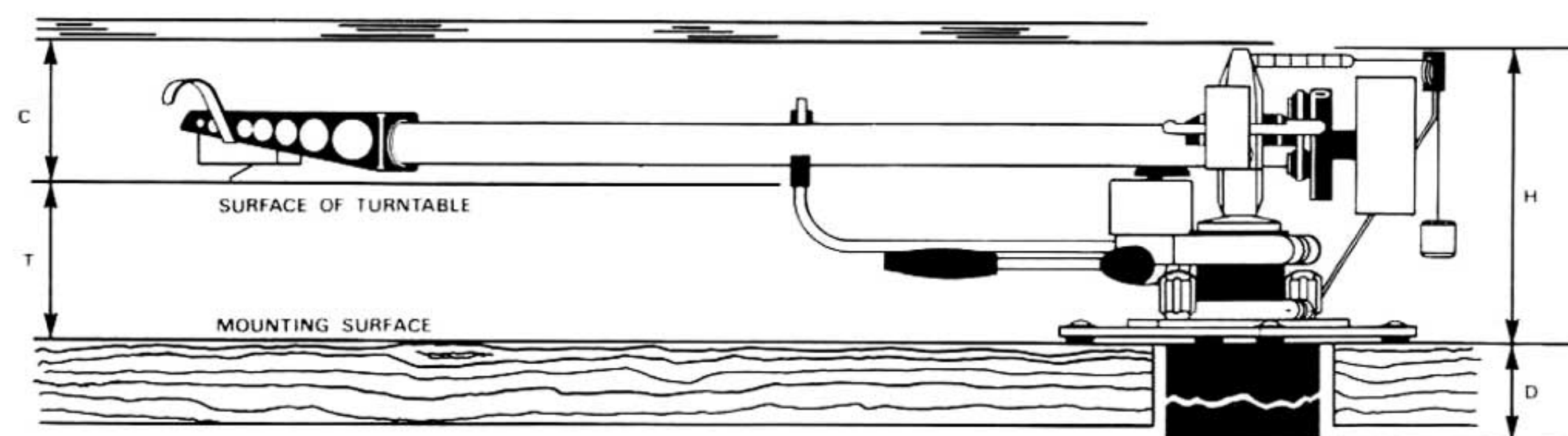
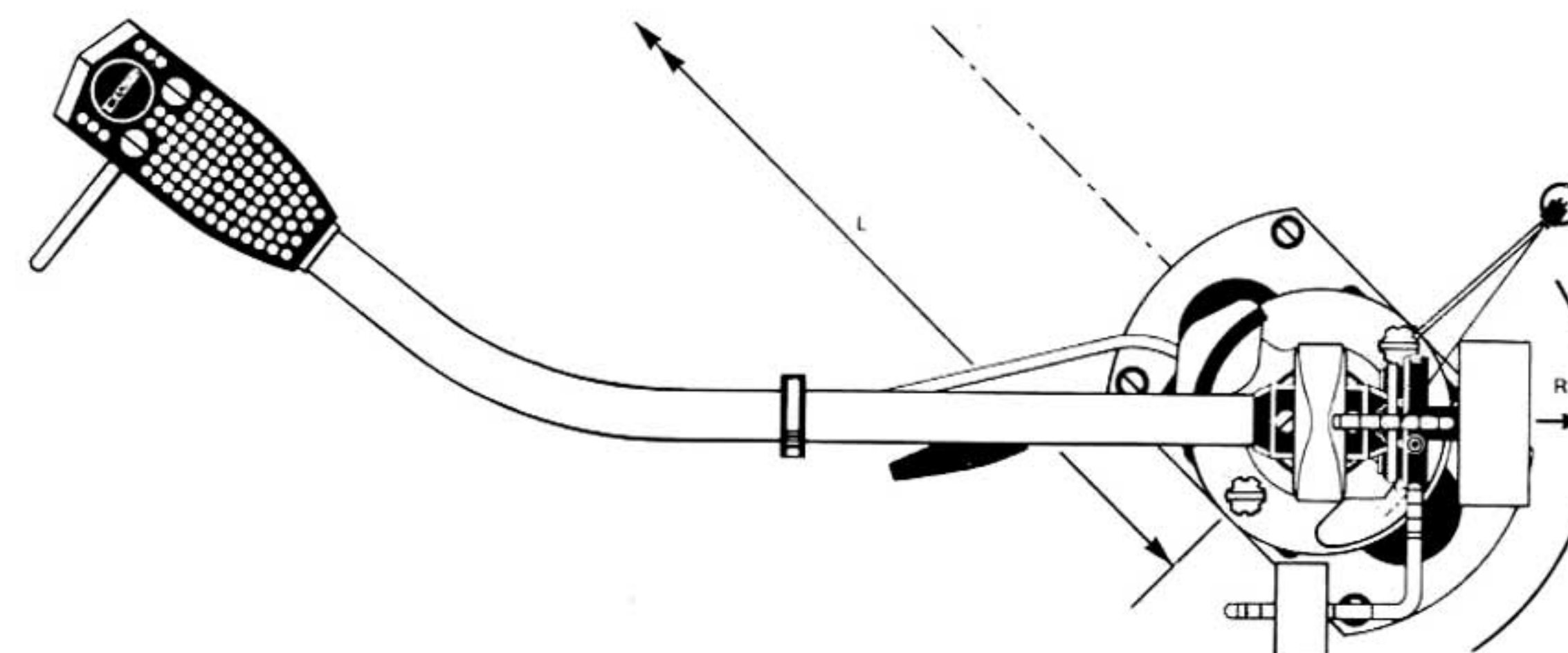
Note When the turntable surface is more than 1 7/8" (41.3 mm) above the surface on which the arm is mounted, a spacer, SME accessory P1, is required.

Depth required below mounting surface (D)	1.875	47.6
Clearance required for standard balance weights (R)	2.00	50.8
Clearance required between turntable surface and cabinet lid (C)	1.750	44.5



Fluid damper FD.200

- ★ Low friction pivots. Vertical axis: high-precision, fully protected ballraces. Horizontal axis: .005" radius knife-edges rolling in planished chrome seatings. Less than .02 gram applied at the stylus will deflect the arm.
- ★ Low inertia. Fixed elements of the balance system are light. Movable elements are heavy and close to the fulcrum.
- ★ Precise tracking force up to 1.5 grams applied without a tracking force gauge.
- ★ Bias adjustable to correspond with tracking force.
- ★ Base slides on bedplate for tracking adjustment with protractor.
- ★ Fluid damped lowering and raising control.
- ★ 4 ft (1.22 M) audio lead. Phono plugs are standard (L4). Alternative 5-pole DIN termination (L4D) available on request.



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Manufactured by
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