

MOULDED BAKELITE KNOBS

THESE attractively designed knobs are exceptionally well finished and greatly enhance the appearance of radio receivers and similar equipment. They are designed to allow firm 'grip' for accurate control. Highly polished BLACK* thermo-setting bakelite material is the normal stock finish, but certain types as indicated may be supplied in colour, or in thermo-plastic material. Fitted with hardened and well-sunken 4 B.A. grub screws as standard. Where arrowed or beaked, grub screw is at 180° from 'pointer.' For standard ½" Ø (0.247"-0.249") shafts, either with or without 'flat.' ALL MODELS have solid turned brass bush-insert, except K.420,421.

List No. with grub screw	Description	Size
K.108	U.S.A. type large instru- ment knob	Rad, to pointer tip $1\frac{1}{8}'' \times \frac{8}{8}''$ h, with $\frac{8}{8}'' \varnothing$ recess, $\frac{1}{12}''$ deep, adjacent to panel
K.60	Large instrument knob	Rad. to pointer tip $1\frac{3}{32}$ " \times $\frac{3}{32}$ " h
K.390	Fine-beak Pointer Knob, moulded in polystyrene, thermo-plastic	Rad. to pointer-tip, $\frac{2}{10}$ "; rad. to handle, $1\frac{1}{2}$ ". Projection from panel, $\frac{6}{5}$ "
K.107	U.S.A. type small instru- ment knob	Rad. to pointer tip §" \times \ \frac{1}{2}" h, with \ \frac{1}{12}" \@infty \ recess, \ \frac{1}{12}" deep, adjacent to panel
K.357	U.S.A. type small instru- ment knob (Variant of K.107 type)	Rad. to pointer tip, $\S'' \times \S''$ h, with $\S'' \varnothing$ recess, \S_2'' deep, adjacent to panel
K.58	Small instrument knob	Rad. to pointer tip

LATEST TYPE STYRON POINTER KNOBS

THESE two new intersleek and streamlined matching control knobs are inspired by the latest leading trends in instrument knob design. Manufactured in glossy black Polystyrene thermo-plastic. Each fitted with 4 B.A. steel-screw at 180° from pointer, but not fitted with the usual BULGIN brass insert: screw engages with inset captive nut.

List No.	Description	Size
K.420	Streamlined Pointer Knob in Polystyrene thermoplastic	Radius to pointer tip §"
K.421	Larger-size Pointer knob in Polystyrene thermo- plastic	Radius to pointer tip 11/2

*Note.—Any of the knobs in our range may be supplied in alternative colours providing required quantities warrant special production and subject to colour-match materials being obtainable.

BULGIN

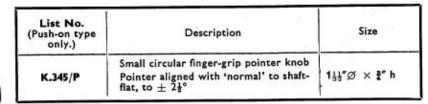
MOULDED BAKELITE KNOBS

List No. K.344/P

THESE attractively designed knobs are exceptionally well finished and greatly enhance the appearance of radio receivers and similar equipment. They are designed to allow firm 'grip' for accurate control. Highly polished BLACK thermosetting bakelite material is the normal stock finish but certain types may be supplied in colour in quantities, or by prior arrangement. Fitted with hardened and well-sunken 4 B.A. grub-screws, as standard, but also available where indicated with grip-spring, for 'push-on'. Where arrowed or beaked, grub-screw is at 180° from 'pointer'. For standard ½" Ø (0.247"-0.249") shafts, either with or without 'flat'. ALL MODELS have solid turned brass bush-insert. Shaft—'Flat' for 'push-on' to be 0.156" (= .003") thickness from centre of 'flat' to circumference of shaft.

Note.—Any of the knobs in our range may be supplied in alternative colours providing required quantities warrant special production and subject to colour-match materials being obtainable.

List No. (Push-on type only.)	Description	Size
K.344/P	Small circular finger-grip pointer knob Pointer aligned with 'normal' to shaft-flat, to \pm $2\frac{1}{2}$ °	1 _{8%} ″Ø × §″ h
K.344/2S	Fitted with 2 grub-screws at 120°	1,5,″Ø × §″ h



List No. with grub screw	Description	Size	
K.4	Large beaked knob	1}"Ø × ‡" h	

List No. with grub screw	Description	Size
K.18	Large arrow-line knob (grub-screw @ 180° from arrow-tip)	1½″Ø × ¾″ h
K.118	Large arrow-line knob (grub-screw @ 90°-clockwise from arrow-tip)	1½″Ø × ½″ h
K.119	Similar design to K.118, without arrow	1}″Ø × ₹″ h



FOLLOWING the latest trend in control-knobs for radios, television sets and tape-recorders, etc., we now offer very attractively styled ribbed and tapered knobs with an insert. These knobs are made to the usual superlative BULGIN standards in finest grade thermo-setting bakelite, and fitted with the anti-fracture heavy brass insert and hardened 4 B.A. grub-screw which is a feature of BULGIN control-knobs.

List No. with grub screw	Description	Size
K.425	Ribbed, tapered, with decorative metal-	1″Ø × 35″ h
K.427	insert on face State requirements clearly	1音"Ø×音"h

NOTE: These Knobs can also be supplied less the decorative insert—add '/u' to List No. It is often also possible to supply WALNUT (instead of BLACK) ex stock



List No. K.345/P



List No. K.4



List Nos. K.18, etc. Polished Metal



List No. K.427 Golden (Walnut moulding) or chrome (black moulding)



List No. K.425

MOULDED BAKELITE-TYPE KNOBS

THESE attractively designed knobs are exceptionally well finished and greatly enhance the appearance of radio receivers and similar equipment. They are designed to allow firm 'grip' for accurate control. Highly polished BLACK thermo-setting bakelite material is the normal stock finish but certain types may be supplied in colour, subject to materials being obtainable.* fitted with hardened and well-sunken 4 B.A. grub screws as standard. Where arrowed or beaked,



List No. K.365

grub screw or grip spring is at 180° from 'pointer'. For standard $\frac{1}{4}'' \varnothing (0.247''-0.249'')$ shafts, either with or without 'flat'. All types are fitted with turned-brass bush-insert.

List No. with grub screw	Colour*	Description	Size
K.365	_	Cross-ribbed radio or instru- ment knob	1∄″Ø × §″ h.

List No. with grub screw	Colour*	Description	Size
K.6	Black	Small beaked knob	11 Ø × 1 h.

List No. with grub screw	Colour*	Description	Size
K.94	Black	Small ribbed knob	₩″Ø 84″ h.

List No. with grub screw	Colour*	Description	Size
K.254	Black	Serrated Octagon knob	1}″Ø × ∦″ h.



List No. K.6

List No. K.94

All grub-screw knobs are normally provided with standard slitted hardened 4 B.A. grub screw and brass insert collar. Normal average length of $\frac{1}{2}$ shaft accepted in all types is approx. $\frac{1}{4}$.

* Note.—Any of the knobs in our range may be supplied in alternative colours providing required quantities warrant special production and subject to colour-match materials being obtainable.

Materials &/or Finishes to particular specifications can be met, to quantity orders, in special manufacture.



List No. K.254

TELEVISION CONTROL KNOBS

THESE special legended knobs are suitable for all types of television sets, serving to identify controls and avoid 'lost pictures' due to mal-adjustment with non-legended knobs. Moulded in highly polished chocolate-brown thermo-setting bake-lite-type material*, with grub screw (4 B.A.). Position of grub screw indicated in illustration.

Size: approx. $1\frac{1}{2}$ " $\varnothing \times \frac{2}{3}$ " high (projection). Knurled straight fine for neatness but sure grip.



List No. K.335

List No. Chocolate brown	Legend, gold-filled	
K.335		Brilliant
K.337		Contrast
K.339		Volume
K.341		Focus
K.343		Switch

MOULDED BAKELITE KNOBS

THESE attractively designed knobs are exceptionally well finished and greatly enhance the appearance of radio receivers and similar equipment. They are designed to allow firm 'grip' for accurate control.

Highly polished BLACK thermo-setting bakelite-type material is the normal stock finish but



certain types as indicated may be supplied in colour, subject to materials being obtainable.* Fitted with hardened and well-sunken 4 B.A. grub screws as standard. For standard \(\frac{1}{2}\to \text{0.247"} \-0.249" \)) shafts either with or without 'flat.' All fitted with turned brass bush-insert.

List No.	Description	Size
K.264	Small American Knob	132"Ø × 88" h



List No.	Description	Size
K.274	Large American Knob	1 ½ "Ø × ⅓ " h.



List No.	Description	Size
K.244	Rectangular Knob	₹″ □ × ⅓ ″ h.



List No.	Description	Size
K.294	Hexagon Knob	1 № ″Ø × № ″ h.



List No.	Description	Size
K.284	Round Fluted Knob	1}″Ø × ∯″ h.



List No.	Description	Size
K.70	Laboratory type Knobs	1≟″Ø × ∯″ h.

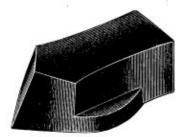
^{*} Note.—Any of the knobs in our range may be supplied in alternative colours providing required quantities warrant special production and subject to colour-match materials being obtainable.



List No. K.433



List No. K.434



List No. K.435



List No. K.431



List No. K.430

NEW STYLE POINTER CONTROL-KNOBS

THESE new Control-Knobs further increase the BULGIN range which now includes pointer knobs for every conceivable use on apparatus of all types. The fluted and finger-form types (K.433, 434, 435) are excellent for precision adjustment and delicate location. The bar types (K.430, 431) are for use where a strong definite movement is needed, such as change-over switches on TV. etc.

All are manufactured in highly polished glossy black bakelite and fitted with heavy brass 'anti-fracture' insert and 4. B.A. radial grub-screw. Black is the normal stock finish, colours can be manufactured, for quantity orders. Pointers and hair lines are filled white as standard or unfilled or special colour-fills to quantity orders can be arranged.

List No.	Description (Normal Colour = Black)	Size
K.433	Fluted pointer knob with handle	$\frac{11}{16}$ " h. \times 1 $\frac{1}{16}$ " O.A. $\varnothing \times$ 1 $\frac{1}{2}$ long. $\frac{5}{2}$ pointer from centre

List No.	Description (Normal Colour = Black)	Size
K.434	Plain fluted pointer knob, without handle	$\frac{11}{16}$ " h. \times 1 $\frac{1}{16}$ " O.A. \varnothing plus $\frac{5}{8}$ pointer from centre

List No.	Description (Normal Colour = Black)	Size
K.435	'Finger-form' bar pointer-knob	$rac{1}{2}$ " h. $ imes rac{53}{64}$ " O.A. $ ilde{arnothing} imes 1rac{1}{4}$ " long

List No.	Description (Normal Colour = Black)	Size
K.431	Larger double-ended bar- knob with white index line	$\frac{3}{4}$ " h. \times 2" O.A. length \times $\frac{5}{8}$ " max. width

List No.	Description (Normal Colour = Black)	Size
K.430	Small double-ended bar- knob with white index line	$\frac{5}{8}$ " h. \times $1\frac{1}{4}$ " O.A. length \times $\frac{9}{16}$ " max. width

MOULDED BAKELITE KNOBS

THESE distinctive knobs are moulded in thermo-setting black bakelite-type material, with high surface polish and ultra-smart appearance*. Those for \(\frac{1}{4}'' \otimes \) shafts are fitted with well-sunken, hardened steel 4 B.A. grub screws. Afford firm 'grip' for easy control; for \(\frac{1}{4}''\varnothing (0.247'' -0.249'')\) shafts, with or without 'flat.' Type K.304 is threaded 2 B.A. and is as



used on switches: it is very suitable for all push/pull controlling. All knobs are glossy black unless otherwise arranged or listed. Colours can be had to quantity orders, subject to colour-match materials being



List No. 4 B.A. threaded	Description	Size
K.54	Small switch knob, brass insert—4 B.A. female threaded	∄″Ø × ∰″ h



List No. with grub screw	Description	Size
K.324	'Viking's Cap 'knob	48" A/F × 备" I



List No.	Colourt		Description	Size
	Red	Brown	Knobs for push-but-	유"Ø, 유"Ø flange, × 112" h
W 074	Black	White	ton tuning switches: push on, self grip to flat 'shafts 187" × .048"	
K.97†	Green	Blue		
	Light Orange		No grub screw	+



List No. with grub screw	Description	Size	
K.111	Midget fluted instrument knob	1ºØ × 1º h	



List No. with grub screw	Description	Size	
K.133	' Shell-Nose ' small knob	2″Ø × 18″ h	



List No.	Description	Size	
List No., K.304 with 2 B.A. axial threaded hole for %" depth	Long push-pull knob as on push-pull toggle-switches; no grub screw	表"ダ×1" long; smaller ダ、張	



List No. with grub screw	Description	Size
K.314	Hand-wheel knob	1⅓″Ø × ⅔¾″ h

All grub-screw knobs are normally provided with standard slitted hardened 4 B.A. grub screw and brass insert collar. Normal average length of \(\frac{1}{2}'' \omega \) shaft accepted in all types is approx. \(< \frac{1}{2}'' \).

* Note.—Any of the knobs in our range may be supplied in alternative colours providing required quantities warrant special production and subject to colour-match materials being obtainable.

* Add colour required when ordering.

† Add colour required when ordering. materials being obtainable. † Add colour required when ordering.

Materials &/or Finishes to particular specifications can be met, to quantity orders,

in special manufacture.

INSTRUMENT KNOBS

Versions in special materials/finishes (e.g., 'Tropical' or Specificational) may be manufactured to special quantity orders.

A NEW range of highly-polished glossy Instrument-Knobs, for the highest grade apparatus, each having a choice of coloured Inset Discs or front circular zones, the body colour of the knob being polished BLACK, normally. Apart from smartness and modern decoration, these unique Knobs now make possible the colour-coding of manual-controls. The four sizes constitute a matching set. Each model has strong brass inset-bush, for "½" Ø" (=0.247"-0.249" Ø) shafts, and all have radial 4 B.A. grip-screws.

These Knobs can take the Skirt and Dial accessories on page 25 (opposite).

Body COLOUR		Inset-Disc COLOUR (choice—specify when ordering)				
BLACK	with	RED,	GREEN	BLUE,	ORANGE-YELLOW,	WHITE



List No. K.400/I/Colour

List No.	Description, dimensions, etc.
K.400/1/ Colour (specify)	15" (23.8 mm.) Ø × 5" (15.9 mm.) high; body = BLACK, with central disc colour:— → RED or GREEN or BLUE or ORANGE-YELLOW or WHITE



List No. K.401/I/Colour

List No.	Description, dimensions, etc.
K.401/I/ Colour (specify)	132 (29.4 mm.) $\varnothing \times \frac{11}{16}$ (17.5 mm.) high; body = BLACK, with central disc colour:— RED or GREEN or BLUE or ORANGE-YELLOW or WHITE



List No. K.402/I/Colour

List No.	Description, dimensions, etc.
K.402/I/ Colour (specify)	1 ½" (41·3 mm.) Ø × ½½" (19·9 mm.) high; body = BLACK, with central disc colour:— → RED or GREEN or BLUE or ORANGE-YELLOW or WHITE



List No. K.403/I/Colour

List No.	Descriptions, dimensions, etc.
K.403/I/ Colour (specify)	28" (60·3 mm.) Ø ×81/2 (24·6 mm.) high; body = BLACK, with central disc colour:— →RED or GREEN or BLUE or ORANGE-YELLOW or WHITE.

To quantity orders, or by special pre-arrangement, these Knobs may be had in other colours of both BODY and/or INSET-DISC, subject to materials being available and/or any wanted colour-matching being possible.

A NEW Range of highly polished glossy Instrument-Knobs and -Dials for the highest grade apparatus, and forming a matching group. Each knob can be used with a flat metal dial (normally frosted aluminium as stock-finish—special finishes to quantity orders). Each of the three larger types can also, or alternatively, take a skirt-moulding supplement, as shown; all the knobs can be used alone, if desired. Skirts and dials fix with self-tapping screws (provided). Each knob has strong radial grip-screw(s), 4 B.A. For shafts of "\frac{1}{4}" \igotimes" (0.247"—0.249" \igotimes).

FITTED WITH BRASS INSERT-BUSHES. FOR 1"Ø SHAFTS*

K.399



List No.	Item	Dimensions, etc.
K.399	Knob	∯" (23 8 mm.) Ø × §" (15·9 mm.) high

K.400

+ K.410



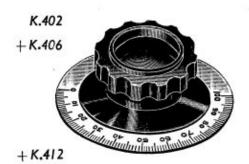
List No.	Item	Dimensions, etc.
K.400	Knob	18" (23·8 mm.)∅ × 8" (15·9 mm.) high
K.410	Dial*	1½" (38·1 mm.) Ø × 21 S.W.G., engraved 0–10 over 270°
K.410/P	Dial*	ditto, not engraved

K.401 + K.405

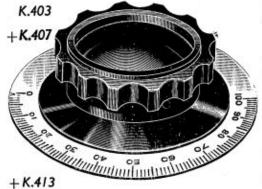
+K.411



List No.	Item	Dimensions, etc.	
K.401	Knob	1 ½ " (29·4 mm.) Ø × ⅓ " (17·5 mm.) high	
K.405	Skirt	1½" (38·1 mm.) Ø × ½¾" (5·9 mm.) thick	
K.411	Dial	2" (50·8 mm.) Ø × 21 S.W.G., engraved 0–10 over 270°	
K.411/P	Dial	ditto, not engraved	



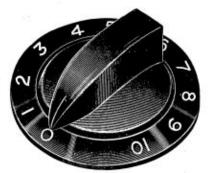
List No.	Item	Dimensions, etc.	
K.402	Knob	1§" (41·3 mm.) Ø × §2" (19·9 mm.) high	
K.406	Skirt	2 1 (52·4 mm.) Ø × 1 1 1 (5·9 mm.) thick	
K.412	Dial	2%" (69·9 mm.) Ø × 21 S.W.G., engraved 0–100 over 180°	
K.412/P	Dial	ditto, not engraved	



List No.	Item	Dimensions, etc.	
K.403	Knob	28 (60·3 mm.) Ø × 81 (24·6 mm.) high	
K.407	Skirt	3" (76·2 mm.) Ø × 17" (6·8 mm.) thick	
K.413	Dial	4" (101·6 mm.) Ø × 21 S.W.G., engraved 0–100 over 180°	
K.413/P	Dial	ditto, not engraved	

* Special-bore-Ø items can be supplied to quantity order

POINTER KNOBS AND LEGENDED ESCUTCHEONS



K.370 Knobs + K.372 Dial

THESE new Control-Knobs and Escutcheons are suitable for all types of radio and electronic instruments and appliances, where precise indication of knob-position or -setting is wanted. The escutcheon fixing is concealed by the circular base of the knob, and the pointer or beak of the knob registers closely with the engraved or engravable rim of the escutcheon. The knobs have engraved pointer line as well as beak, normally filled white; several standard escutcheon-engravings are available, also blank escutcheons for users' own local engraving-where quantities are too small to warrant special engraving of separate or new moulds. But to quantity orders (where mould tools

and their engraving costs are warranted) we are pleased to quote for any special or suitable legending. All these mouldings are normally BLACK, but as colour-match may be available, and for quantity orders, standard bakelite-type colours can be used (thermo-setting). Sizes and details :-

List No. K.372 List No. K-373 List No. K.371/1* (180°) (250°)

List No. K.378 (60°)

List No. K.374



List No. K.375 (40°)



List No. K.376 (100°)



List No. K.377 (160°)



List No. K.382 (270°)





Overall- \varnothing of all Dials, 1%" (47.6 mm.). Front Projection of both items, together, $\frac{4}{16}$ " (17.8 mm.). Front Projection of Knob alone, $\frac{4}{16}$ " (14.3 mm.), + any clearance to panel. Beak-radius of Knob, $\frac{2}{3}$ $\frac{4}{3}$ " (19.8 mm.)

List No.	Description	Use with :— On 1"Ø (0.247" 0.249") Shafts; single grub screw fitted	
K.370	Pointer Knob, Black, Line filled WHITE		
K.370/U	ditto Line NOT "FILLED"		
K.371/I	Dial, plain, for users'	Special Legends	
K.372	engraving Dial, filled white, 0, 1-10	VC.'s., etc., of	
K.372/U	over 250° Dial, not filled, ditto	250° swing	
K.373	Dial, filled white, 0, 1–10 over 180°	Components of 180° swing, e.g.,	
K.373/U	Dial, not filled, ditto	capacitors, switches	
K.374	Dial, filled white, 1-18, over 360°	Full rotation	
K.374/U K.375	Dial not filled, ditto	S.205 switches	
	Dial, filled white, 1, 2, 3 over 40°	Switches,	
K.375/U K.376	Dial not filled, ditto Dial, filled white, 1-6 over	S.208, etc.	
K.376/U	100° Dial not filled, ditto	Switches, S.207	
K.377	Dial, filled white, 1-9 over	Switches S.206,	
K.377/U K.378	Dial, not filled, ditto	etc.	
	Dial, filled white, " OFF- ON " (60°)	Rotary Toggle	
K.378/U K.382	Dial, not filled, ditto	Switches, etc.	
K.362	Dial, fitted white, 0, 1-10 over 270°	V.C's., etc., of	
K.382/U	Dial, not filled, ditto	270° swing	

A selection of further engravings, A-G, are shown. These can be supplied to quantity orders only, at present. (Small quantities can be met by individual engraving of K.371/1 above.) Moulding tools can also be engraved for other legends, at competitive prices where quantities warrant.

* Only made in Bakelite type material.

INSTRUMENT CONTROL KNOBS

A NEW range of BULGIN Instrument Control Knobs, comprising three models of identical style, but in different sizes. The smaller one, List No. K.360, measures $1\frac{1}{2}'' \varnothing$ (overall) $\times \frac{10}{3}$ high. List No. K.361 medium size measures $2\frac{1}{16}'' \varnothing$ (overall) $\times \frac{3}{4}$ high. List No. K.362, the largest of the family, measures $3'' \varnothing$ (overall) $\times 1''$ high.

These knobs are made in polished black thermo-setting bakelite, BLACK being the normal finish, but colours are available to quantity orders.*

All to fit shafts $\cdot 247'' - \cdot 249'' \varnothing$ (6·3 mm.) = R.E.C.M.F. standard \varnothing , and have radial hardened steel grub screw. But model **K.362** is fitted with TWO 4 B.A. cheesehead screws $\frac{3}{8}''$ (9·5 mm.) long. All are suitable for a variety of highest-class electrical and electronic instruments; the larger knob is ideal for use where extremely delicate and precise adjustment is required in small increments, or for controls of fairly high torque. The introduction of a graded range of three sizes, of matching appearance, will fill a long-felt want.

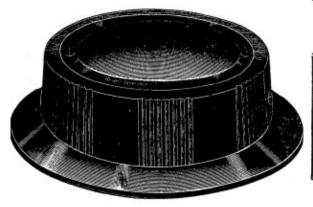
All models have solid turned brass bush-insert.



List No.	Overall Size		D
	Height	Ø	Description
K.360	操。" (15·1 mm.)	1·500" (38·1 mm.)	Small instrument dial knob
		Notes :—	Fitted with one 4 B.A. grub screw ½" (6·3 mm.)



List No.	Overall Size		
	Height	Ø	Description
K.361	ẫ″ (19·1 mm.)	2 1/4" (52·4 mm.)	Medium instrument dial knob
		Notes :—	Fitted with one 4 B.A. grub screw §" (9.5 mm.)



List	Overall Size		
No.	Height	ø	Description
K.362	1·000" (25·4 mm.)	3·000" (76·2 mm.)	Large instrument dial
		Notes :	Fitted with two 4 B.A. cheesehead screws §" (9-5 mm.) long

Millimetre equivalents are approx. only.

^{*} Note.—Any of the knobs in our range may be supplied in alternative colours providing required quantities warrant special production and subject to colour-match materials being obtainable.