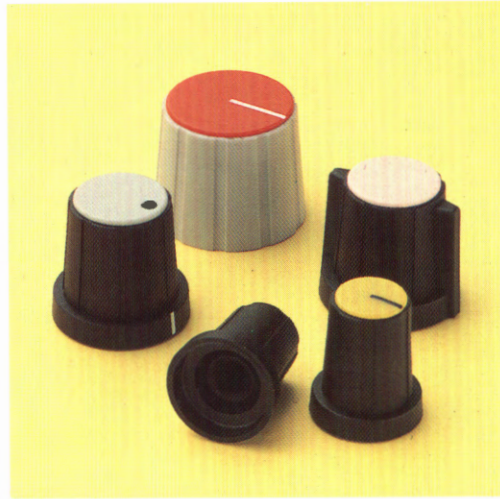




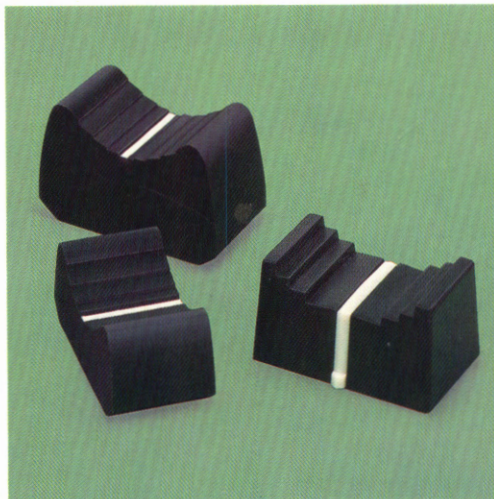
# CONTROL KNOBS and accessories

COLLET KNOBS

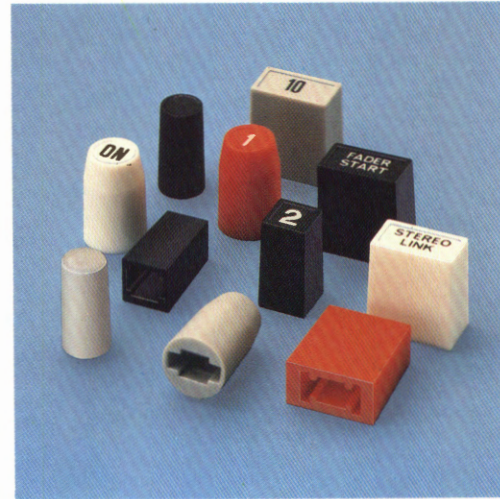


PUSH-ON KNOBS

SLIDER KNOBS



PUSHBUTTONS





# CONTROL KNOBS and accessories



Sifam's range of control knobs and accessories is probably the most extensive and adaptable in the world. Moulded in nylon, or ABS, with a finely textured matt finish, the range includes collet-fixing and push-on knobs in a wide choice of styles and sizes, as well as slider knobs and pushbuttons.

There is also an extensive choice of accessory and marking options—caps, nut covers, pointers, figure dials, stators, spot and line markings—as appropriate to each type.

This catalogue lists in full detail, complete with all relevant ordering information, all Sifam *standard* knobs in each main category.

However, the company also operates a custom knob design and manufacturing facility for special knobs of virtually any shape, size or colour in appropriate production quantities. Sifam is also well-equipped for high-definition printing of knobs or accessories. If, therefore, your particular need is not listed in these pages, please enquire.

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# COLLET KNOBS

## Summary of standard range

This table shows the standard range of types and sizes of collet knobs and related accessories available from Sifam. If you have a special knob requirement (shape, size or colour) please enquire.

	10mm	11mm	13mm	15mm	21mm	29mm	38mm
	for shaft sizes 2mm, 3mm, 4mm and $\frac{1}{8}$ in	for shaft sizes 2mm, 3mm, 4mm and $\frac{1}{8}$ in	for shaft sizes 2mm, 3mm, 4mm and $\frac{1}{8}$ in	for shaft sizes 3mm, 4mm, 6mm $\frac{1}{8}$ in and $\frac{1}{4}$ in Also $\frac{3}{16}$ in on Types S, SP, SB & SW	for shaft sizes 3mm, 4mm, 6mm $\frac{1}{8}$ in and $\frac{1}{4}$ in Also $\frac{3}{16}$ in on Types S, SP, SB & SW	for shaft sizes 3mm, 4mm, 6mm $\frac{1}{8}$ in and $\frac{1}{4}$ in Also $\frac{3}{16}$ in on Types S, SP, SB & SW	for shaft sizes 3mm, 4mm, 6mm $\frac{1}{8}$ in, $\frac{3}{16}$ in and $\frac{1}{4}$ in
 <b>Type S</b> in black, red or grey with or without line	✓	✓	✓	✓	✓	✓	in black or grey only
 <b>Type K</b> in black, red or grey with or without line	not available	✓	not available	✓	✓	✓	not available
 <b>Type SP</b> in black, red or grey with or without line	not available	✓	not available	✓	✓	✓	not available
 <b>Type SB</b> in black, red or grey with or without line	not available	not available	not available	✓	✓	✓	not available
 <b>Type SW</b> in black, red or grey with or without line	not available	not available	not available	✓	✓	✓	not available
 <b>Type W</b> in black, red or grey with or without line	not available	not available	not available	✓	✓	✓	not available
<b>Nut covers</b> in black, red or grey with or without line	not available	✓	✓	✓	Not applicable. In the 21mm, 29mm and 38mm sizes, the base of the knobs is large enough to include a nut recess.		
<b>Caps</b> in black, red, grey, green, blue, orange or yellow (with or without spot or line), pastel colours to special order. See page 10	✓	✓	✓	✓	✓	✓	✓
<b>Pointers</b> (not applicable to types SP, SB, SW and W) in black, red, grey, green, blue or yellow.	✓	✓	✓	✓	✓	✓	✓
<b>Figure Dials</b> in the various markings illustrated on page 8. Special markings to order.	not available	✓	✓	✓	✓	✓	✓
<b>Stators</b> (adhesive backed)	not available	✓	✓	✓	✓	✓	✓

### Identification

To facilitate ordering, all knobs and accessories have a code number and these are printed in this catalogue in red. Please note that, with the exception of figure dials, it is also necessary to state the colour required when ordering knobs and accessories.

Please state colour required





# COLLET KNOB

## The complete range



### Collet Knobs

Function, styling, handling and simplicity of assembly were the designers' main criteria in the development of the Sifam range of collet knobs. The various accessories (caps, pointers, figure dials and nut covers) push-fit into the basic knob to give added versatility.

#### Materials

All knobs, caps, pointers and nut covers are made from nylon and have a matt finish. The transparent figure dials are made from polycarbonate and the coloured dials are of nylon.

Collets, sleeves and nuts, already fitted into the knobs during manufacture, are of brass. They will accommodate a wide range of shaft lengths and bush lengths. All moulded parts are stable in the temperature  $-20^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$ .

#### Turning Torque

The torque that can be transmitted by knobs without slipping, assuming the knob has been adequately tightened on the shaft, is as follows.

Knob Type	Shafts	
	2mm, 3mm, 4mm $\frac{3}{16}$ in and $\frac{1}{8}$ in	6mm and $\frac{1}{4}$ in
S10 S11, SP11, K11 S13	cm kg 2.5	cm kg —
S15, SP15, SB15, SW15	4	8
K15, W15 S21, SP21, SB21, SW21, K21, W21 S29, SP29, SB29, SW29, K29, W29 S38, SC38	6	12

#### Fixing Torque

The maximum torque that should be applied to knobs when fixing them to a shaft is as follows:

Knob Type	Torque
S10 S11, SP11, K11 S13	3cm kg
S15, SP15, SB15, SW15	8cm kg
K15, W15 S21, SP21, SB21, SW21, K21, W21 S29, SP29, SB29, SW29, K29, W29 S38, SC38	15cm kg

### Type S

10mm



S100 and S101 (with line)

11mm



S110 and S111 (with line)

13mm



S130 and S131 (with line)

15mm



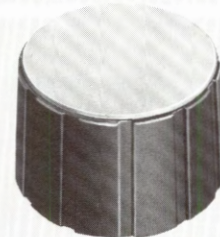
S150 and S151 (with line)

21mm



S210 and S211 (with line)

29mm



S290 and S291 (with line)

38mm



S380 and S381 (with line)



Sifam knobs are available in black, grey or red, except the 38mm in black or grey only. All can be supplied with or without a line marking. Other colours available to special order.

All illustrations actual size.

**Type K**

**Type SP**

**Type SB**

**Type SW**

**Type W**



K110 and K111 (with line)



SP110 and SP111 (with line)



K150 and K151 (with line)



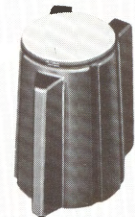
SP150 and SP151 (with line)



SB150 and SB151  
(with line on one wing)  
SB153 (with line on both wings)



SW150 and SW151 (with line)



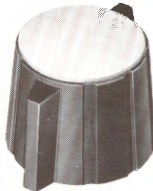
W150 and W151 (with line)



K210 and K211 (with line)



SP210 and SP211 (with line)



SB210 and SB211  
(with line on one wing)  
SB213 (with line on both wings)



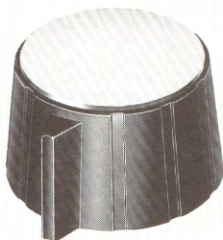
SW210 and SW211 (with line)



W210 and W211 (with line)



K290 and K291 (with line)



SP290 and SP291 (with line)



SB290 and SB291  
(with line on one wing)  
SB293 (with line on both wings)



SW290 and SW291 (with line)



W290 and W291 (with line)

**Type SC  
Cranked Knob**

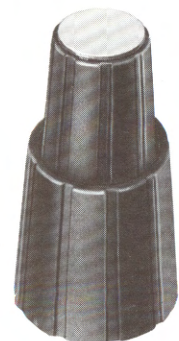


SC380 and SC381 (with line)

**Dual Concentric Assemblies**

This table shows the knob combinations suitable for dual-concentric assemblies. Please contact sales office for details of special through-hole collets, if required.

TOP	10mm	11mm	15mm	21mm
BASE	13mm	15mm	21mm	29mm

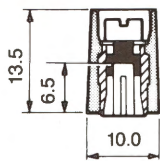




# COLLET KNOBS

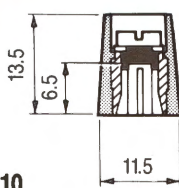
## Dimensions and Order Codes

10mm

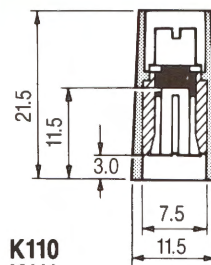

**S100**  
**S101**

Shaft size	plain	with line
2mm	S100 002	S101 002
3mm	S100 003	S101 003
1/4in	S100 125	S101 125
4mm	S100 004	S101 004

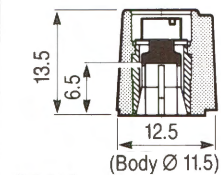
11mm


**S110**  
**S111**

Shaft size	plain	with line
2mm	S110 002	S111 002
3mm	S110 003	S111 003
1/4in	S110 125	S111 125
4mm	S110 004	S111 004


**K110**  
**K111**

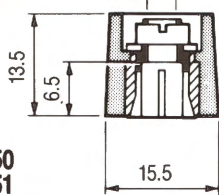
Shaft size	plain	with line
3mm	K110 003	K111 003
1/4in	K110 125	K111 125
4mm	K110 004	K111 004


**SP110**  
**SP111**

Shaft size	plain	with line
2mm	SP110 002	SP111 002
3mm	SP110 003	SP111 003
1/4in	SP110 125	SP111 125
4mm	SP110 004	SP111 004

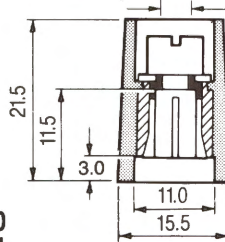
15mm

Blind holes on 3mm, 1/4in and 4mm shafts, through hole Ø 4.2 on 3/8in, 6mm and 1/2in sizes only.


**S150**  
**S151**

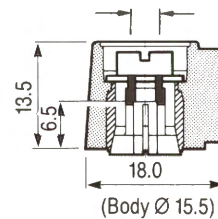
Shaft size	plain	with line
3mm	S150 003	S151 003
1/4in	S150 125	S151 125
4mm	S150 004	S151 004
3/8in	S150 187	S151 187
6mm	S150 006	S151 006
1/2in	S150 250	S151 250

Through hole Ø as shaft sizes (max. 4.2 on 6mm and 1/2in shafts).


**K150**  
**K151**

Shaft size	plain	with line
3mm	K150 003	K151 003
1/4in	K150 125	K151 125
4mm	K150 004	K151 004
6mm	K150 006	K151 006
1/2in	K150 250	K151 250

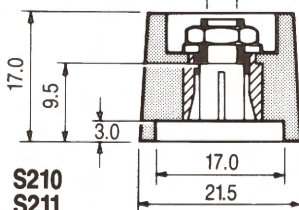
Blind holes on 3mm, 1/4in and 4mm shafts, through hole Ø 4.2 on 3/8in, 6mm and 1/2in sizes only.


**SP150**  
**SP151**

Shaft size	plain	with line
3mm	SP150 003	SP151 003
1/4in	SP150 125	SP151 125
4mm	SP150 004	SP151 004
3/8in	SP150 187	SP151 187
6mm	SP150 006	SP151 006
1/2in	SP150 250	SP151 250

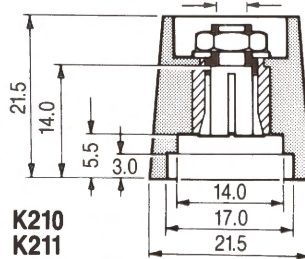
21mm

Blind holes on 3mm, 1/4in and 4mm shafts, through hole Ø 4.2 on 3/8in, 6mm and 1/2in sizes only.


**S210**  
**S211**

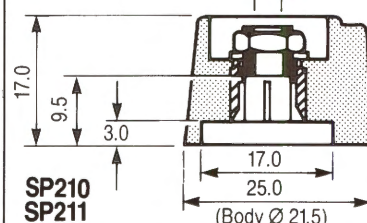
Shaft size	plain	with line
3mm	S210 003	S211 003
1/4in	S210 125	S211 125
4mm	S210 004	S211 004
3/8in	S210 187	S211 187
6mm	S210 006	S211 006
1/2in	S210 250	S211 250

Through hole Ø as shaft sizes (max. 4.2 on 6mm and 1/2in shafts).


**K210**  
**K211**

Shaft size	plain	with line
3mm	K210 003	K211 003
1/4in	K210 125	K211 125
4mm	K210 004	K211 004
6mm	K210 006	K211 006
1/2in	K210 250	K211 250

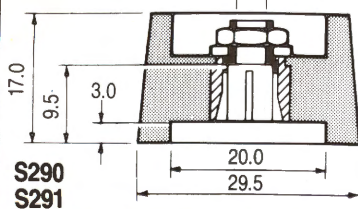
Blind holes on 3mm, 1/4in and 4mm shafts, through hole Ø 4.2 on 3/8in, 6mm and 1/2in sizes only.


**SP210**  
**SP211**

Shaft size	plain	with line
3mm	SP210 003	SP211 003
1/4in	SP210 125	SP211 125
4mm	SP210 004	SP211 004
3/8in	SP210 187	SP211 187
6mm	SP210 006	SP211 006
1/2in	SP210 250	SP211 250

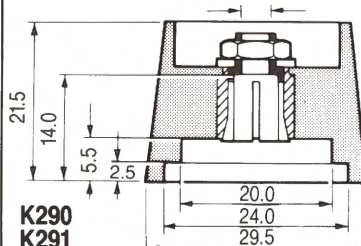
29mm

Blind holes on 3mm, 1/4in and 4mm shafts, through hole Ø 4.2 on 3/8in, 6mm and 1/2in sizes only.


**S290**  
**S291**

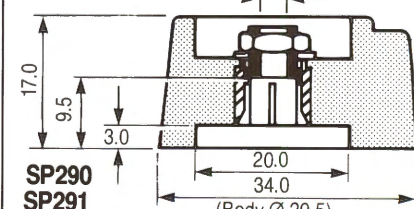
Shaft size	plain	with line
3mm	S290 003	S291 003
1/4in	S290 125	S291 125
4mm	S290 004	S291 004
3/8in	S290 187	S291 187
6mm	S290 006	S291 006
1/2in	S290 250	S291 250

Through hole Ø as shaft sizes (max. 4.2 on 6mm and 1/2in shafts).


**K290**  
**K291**

Shaft size	plain	with line
3mm	K290 003	K291 003
1/4in	K290 125	K291 125
4mm	K290 004	K291 004
6mm	K290 006	K291 006
1/2in	K290 250	K291 250

Blind holes on 3mm, 1/4in and 4mm shafts, through hole Ø 4.2 on 3/8in, 6mm and 1/2in sizes only.


**SP290**  
**SP291**

Shaft size	plain	with line
3mm	SP290 003	SP291 003
1/4in	SP290 125	SP291 125
4mm	SP290 004	SP291 004
3/8in	SP290 187	SP291 187
6mm	SP290 006	SP291 006
1/2in	SP290 250	SP291 250



**IDENTIFICATION**

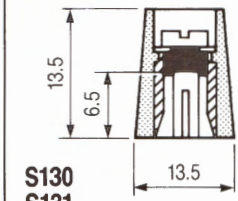
When ordering, please use the appropriate code number, printed here in red beneath each type and size of knob, according to shaft size and 'plain' or 'with line' requirements. Please also be sure to state *colour required* when ordering knobs and accessories.

**ACCESSORIES**

Please refer to the following pages for dimensions and order codes for all accessories relating to these knobs.



**13mm**

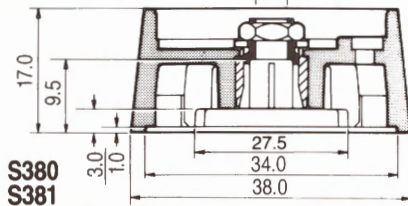


**S130  
S131**

Shaft size	plain	with line
2mm	S130 002	S131 002
3mm	S130 003	S131 003
1/4in	S130 125	S131 125
4mm	S130 004	S131 004

**38mm**

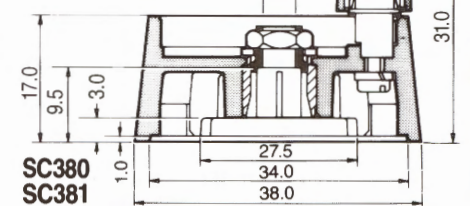
Blind holes on 3mm, 1/4in and 4mm shafts, through hole Ø 4.2 on 3/8in, 6mm and 1/2in sizes only.



**S380  
S381**

Shaft size	plain	with line
3mm	S380 003	S381 003
1/4in	S380 125	S381 125
4mm	S380 004	S381 004
3/8in	S380 187	S381 187
6mm	S380 006	S381 006
1/2in	S380 255	S381 250

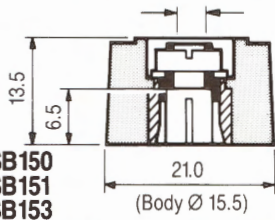
Blind holes on 3mm, 1/4in and 4mm shafts, through hole Ø 4.2 on 3/8in, 6mm and 1/2in sizes only.



**SC380  
SC381**

Shaft size	plain	with line
3mm	SC380 003	SC381 003
1/4in	SC380 125	SC381 125
4mm	SC380 004	SC381 004
3/8in	SC380 187	SC381 187
6mm	SC380 006	SC381 006
1/2in	SC380 250	SC381 250

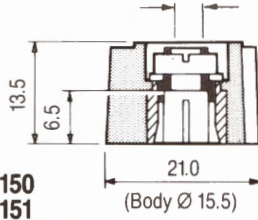
Blind holes on 3mm, 1/4in and 4mm shafts, through hole Ø 4.2 on 3/8in, 6mm and 1/2in sizes only.



**SB150  
SB151  
SB153**

Shaft size	plain	with line on one wing	with line on both wings
3mm	SB150 003	SB151 003	SB153 003
1/4in	SB150 125	SB151 125	SB153 125
4mm	SB150 004	SB151 004	SB153 004
3/8in	SB150 187	SB151 187	SB153 187
6mm	SB150 006	SB151 006	SB153 006
1/2in	SB150 250	SB151 250	SB153 250

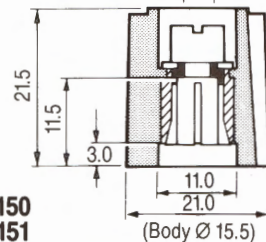
Blind holes on 3mm, 1/4in and 4mm shafts, through hole Ø 4.2 on 3/8in, 6mm and 1/2in sizes only.



**SW150  
SW151**

Shaft size	plain	with line
3mm	SW150 003	SW151 003
1/4in	SW150 125	SW151 125
4mm	SW150 004	SW151 004
3/8in	SW150 187	SW151 187
6mm	SW150 006	SW151 006
1/2in	SW150 250	SW151 250

Through hole Ø as shaft sizes (max. 4.2 on 6mm and 1/2in shafts).

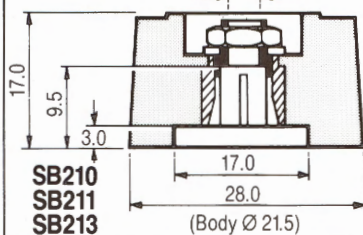


**W150  
W151**

Shaft size	plain	with line
3mm	W150 003	W151 003
1/4in	W150 125	W151 125
4mm	W150 004	W151 004
6mm	W150 006	W151 006
1/2in	W150 250	W151 250

**15mm**

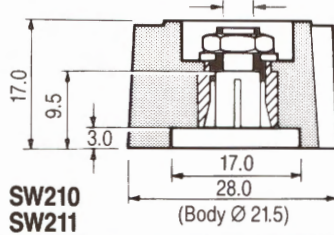
Blind holes on 3mm, 1/4in and 4mm shafts, through hole Ø 4.2 on 3/8in, 6mm and 1/2in sizes only.



**SB210  
SB211  
SB213**

Shaft size	plain	with line on one wing	with line on both wings
3mm	SB210 003	SB211 003	SB213 003
1/4in	SB210 125	SB211 125	SB213 125
4mm	SB210 004	SB211 004	SB213 004
3/8in	SB210 187	SB211 187	SB213 187
6mm	SB210 006	SB211 006	SB213 006
1/2in	SB210 250	SB211 250	SB213 250

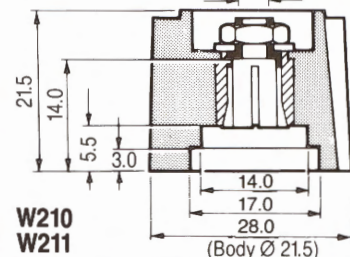
Blind holes on 3mm, 1/4in and 4mm shafts, through hole Ø 4.2 on 3/8in, 6mm and 1/2in sizes only.



**SW210  
SW211**

Shaft size	plain	with line
3mm	SW210 003	SW211 003
1/4in	SW210 125	SW211 125
4mm	SW210 004	SW211 004
3/8in	SW210 187	SW211 187
6mm	SW210 006	SW211 006
1/2in	SW210 250	SW211 250

Through hole Ø as shaft sizes (max. 4.2 on 6mm and 1/2in shafts).

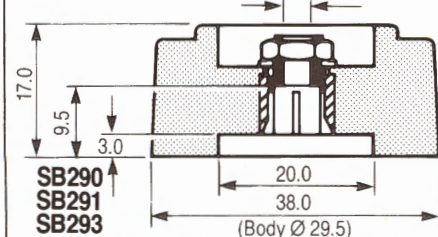


**W210  
W211**

Shaft size	plain	with line
3mm	W210 003	W211 003
1/4in	W210 125	W211 125
4mm	W210 004	W211 004
6mm	W210 006	W211 006
1/2in	W210 250	W211 250

**21mm**

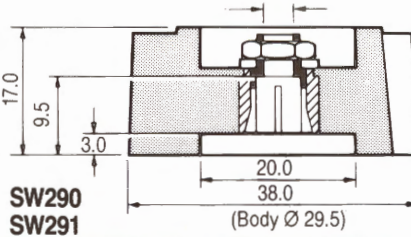
Blind holes on 3mm, 1/4in and 4mm shafts, through hole Ø 4.2 on 3/8in, 6mm and 1/2in sizes only.



**SB290  
SB291  
SB293**

Shaft size	plain	with line on one wing	with line on both wings
3mm	SB290 003	SB291 003	SB293 003
1/4in	SB290 125	SB291 125	SB293 125
4mm	SB290 004	SB291 004	SB293 004
3/8in	SB290 187	SB291 187	SB293 187
6mm	SB290 006	SB291 006	SB293 006
1/2in	SB290 250	SB291 250	SB293 250

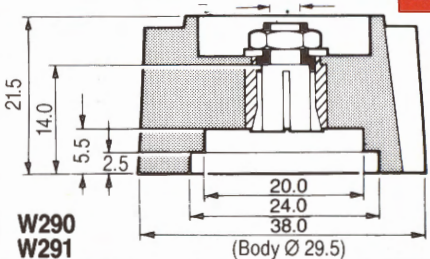
Blind holes on 3mm, 1/4in and 4mm shafts, through hole Ø 4.2 on 3/8in, 6mm and 1/2in sizes only.



**SW290  
SW291**

Shaft size	plain	with line
3mm	SW290 003	SW291 003
1/4in	SW290 125	SW291 125
4mm	SW290 004	SW291 004
3/8in	SW290 187	SW291 187
6mm	SW290 006	SW291 006
1/2in	SW290 250	SW291 250

Through hole Ø as shaft sizes (max. 4.2 on 6mm and 1/2in shafts).



**W290  
W291**

Shaft size	plain	with line
3mm	W290 003	W291 003
1/4in	W290 125	W291 125
4mm	W290 004	W291 004
6mm	W290 006	W291 006
1/2in	W290 250	W291 250

**29mm**



# COLLET KNOBS Accessories

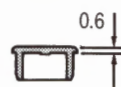
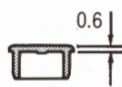
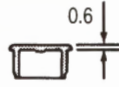
10mm

11mm

13mm

15mm

## Caps



plain  
with line  
with spot

C100  
C101  
C102

plain  
with line  
with spot

C110  
C111  
C112

plain  
with line  
with spot

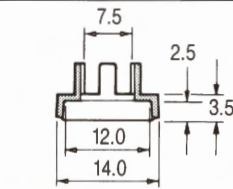
C130  
C131  
C132

plain  
with line  
with spot

C150  
C151  
C152

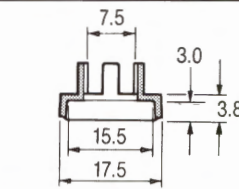
## Nut Covers

not available



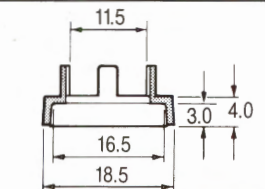
plain  
with line

N110  
N111



plain  
with line

N130  
N131

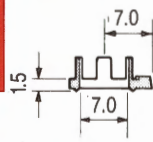


plain  
with line

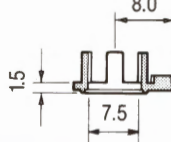
N150  
N151

## Pointers

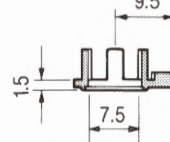
(not applicable  
to types SP, SB,  
SW and W)



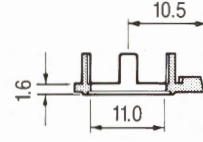
P100



P110



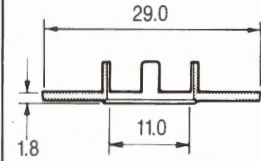
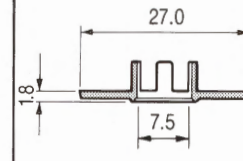
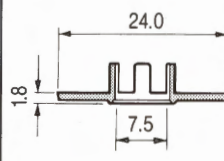
P130



P150

## Figure Dials

not available



See table below for available markings.  
Non-standard markings available to special order.

## Figure Dials



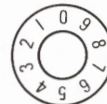
Plain



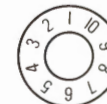
0-11/30°



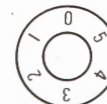
1-12/30°



0-9/36°



1-10/36°



0-5/60°

11mm  
13mm  
15mm  
21mm  
29mm  
38mm

D110  
D130  
D150  
D210  
D290  
D380

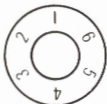
D111  
D131  
D151  
D211  
D291  
D381

D112  
D132  
D152  
D212  
D292  
D382

D113  
D133  
D153  
D213  
D293  
D383

D114  
D134  
D154  
D214  
D294  
D384

D115  
D135  
D155  
D215  
D295  
D385



1-6/60°



300°



single black  
arrow



single white  
arrow



single white  
arrow

11mm  
13mm  
15mm  
21mm  
29mm  
38mm

D116  
D136  
D156  
D216  
D296  
D386

D118  
D138  
D158  
D218  
D298  
D388

D119 (Grey)  
D139 (Grey)  
D159 (Grey)  
D219 (Grey)  
D299 (Grey)  
D389 (Grey)

D119 (Black)  
D139 (Black)  
D159 (Black)  
D219 (Black)  
D299 (Black)  
D389 (Black)

D119 (Red)  
D139 (Red)  
D159 (Red)  
D219 (Red)  
D299 (Red)  
D389 (Red)



21mm

29mm

38mm



(not applicable to type SC)

plain  
with line  
with spot

C210  
C211  
C212

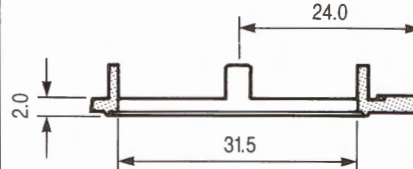
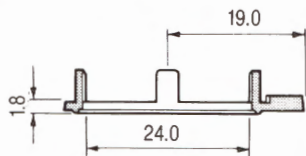
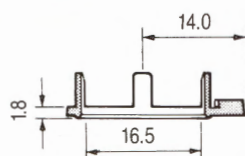
plain  
with line  
with spot

C290  
C291  
C292

plain  
with line  
with spot

C380  
C381  
C382

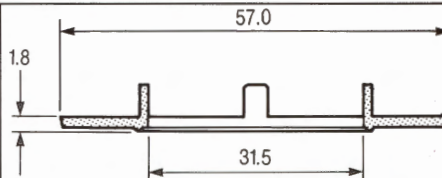
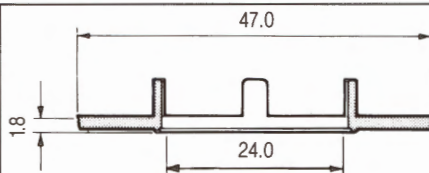
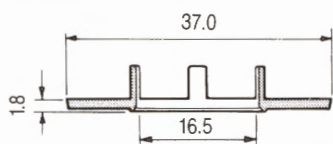
Not applicable. For these sizes the base of the knobs is large enough to include a nut recess.



P210

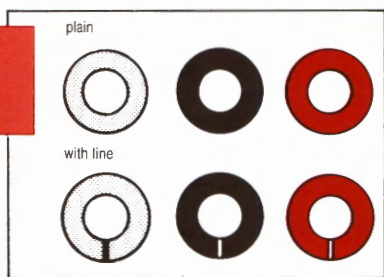
P290

P380

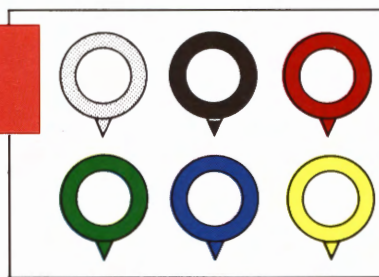


See table below for available markings.  
Non-standard markings available to special order.

**Nut Covers**



**Pointers**



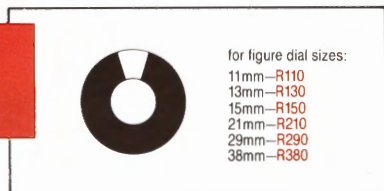
**Caps**

Plug-in caps to fit all standard sizes of Sifam knobs are available in a range of standard colours. Caps can be supplied plain, or printed with a spot or line.

The range of caps, which is common to both collet knobs and push-on knobs (pages 11 to 14) is shown overleaf.

**Stators**

(adhesive backed)



Keys are available for tightening the slotted collars in 10, 11, 13 and 15mm knobs.



**Caps**  
see page 10



# CAPS

## For both Collet and Push-on Knobs

Shown here is the standard range of cap colours with optional spot or line markings available for all sizes of both collet-fixing and push-on knobs. Please note that the colours printed here are for guidance only and are

as close to the actual colours as a commercial printing process allows. Please ask for actual samples where exact colour selection is necessary—or if you have a special colour requirement. Please refer to pages 8/9 for order codes.

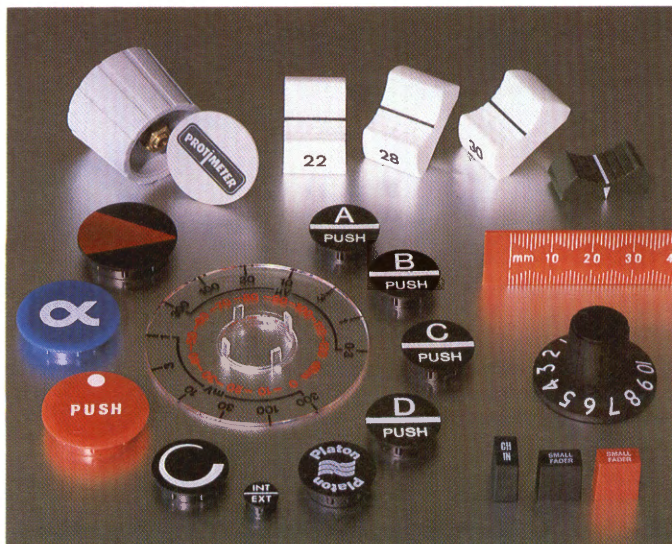
### Standard Colours and Optional Markings

	GREY	BLACK	RED	GREEN	YELLOW	BLUE	ORANGE
PLAIN							
WITH SPOT							
WITH LINE							

### Pastel Colours (moulded and printed to order)

	MID GREY	PALE BLUE	LUPIN	CREAM	PASTEL GREEN	HOPSACK
PLAIN						
WITH SPOT						
WITH LINE						

## SPECIAL PRINTING



When customers require special printing on knobs, caps, dials or push-buttons, Sifam can undertake this, to a very high standard of fidelity down to a character height of only 1mm. Fine detail work of this kind is ideal on miniature pushbuttons and knob caps used, for example, on audio consoles.

The facility can be used to apply virtually any designation, instruction, logotype or other legend—in any colour.

The fine, matt-textured finish of Sifam products provides an excellent ground on which to print. This results in printing of high quality which is practically wear-proof, and a more versatile, cost-effective alternative to engraving.


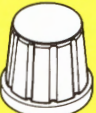
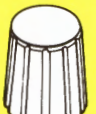






# PUSH-ON KNOBS

## Summary of Standard Range

This table summarises the standard range of types and sizes of push-on knobs, in black, or grey body colours, available in quantities of 1000 or more.

Dimensions and order codes are on the following pages. If you have a special knob requirement (shape, size or colour) please enquire.

	11mm	15mm	21mm	29mm	Code
	✓	✓	✓	not available	DA DB DC DR TP
	✓	✓	not available	not available	DAN DBN DCN DPN TPN
	not available	✓	not available	✓	DAK DBK DCK DCK DRK
	not available	✓	not available	not available	52/TAP 53/TPP
	not available	✓	not available	not available	DANB DBNB
	not available	✓	not available	not available	DRD
	✓	✓	not available	not available	See Next Page

## Shaft Types and Sizes

The above knob sizes and configurations are available for D shafts (with/without compression ring) splined and slotted shafts in accordance with the detailed drawings and order codes shown on the next two pages.

## Caps

Push-fit caps are available in a wide range of colours (see page 10) and these can be supplied plain or with spot or line markings—please refer to the appropriate order codes on pages 8/9.

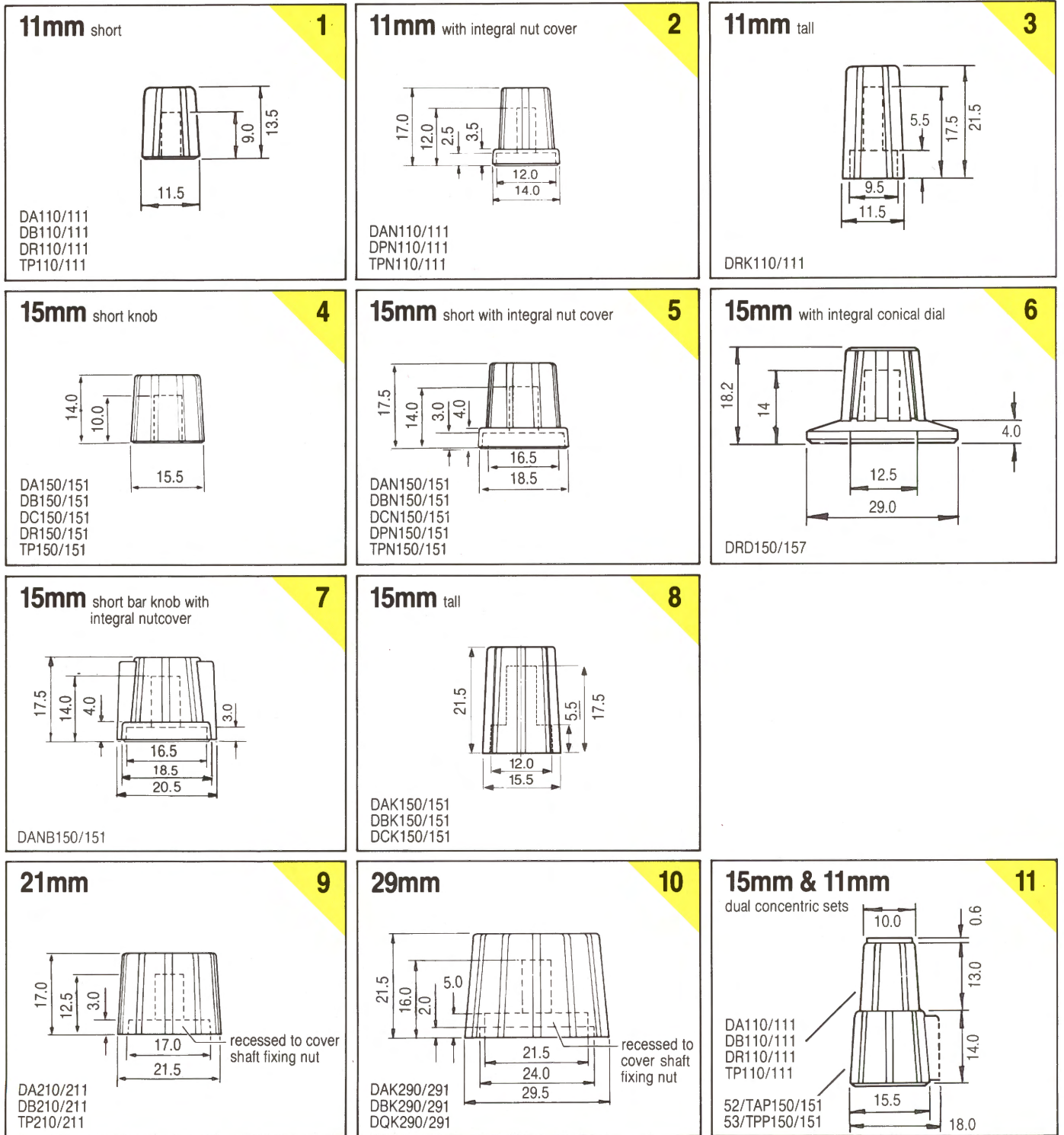


# PUSH-ON KNOBS

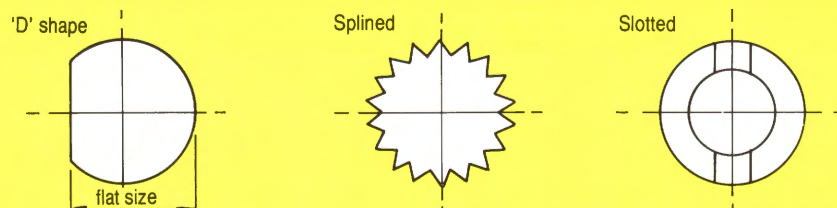
## Dimensions

Sifam push-on knobs provide a fast, secure method of shaft attachment. The internal moulding is designed to grip the shaft securely with some types using a built-in metal compression ring. The knobs, moulded from Nylon, are available in black and grey

and have a matt finish. Coloured caps are available in plain, with-line and with-spot versions (see page 13). All moulded parts are stable in the temperature range  $-20^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$ .



### Shafts





# PUSH-ON KNOBS

## Order Codes

	Drwg No. (Refer to opposite page)	Part No. Plain	Part No. Lined	Shaft Dia.	Flat Size	Shaft Identification Number *
D shafts with compression ring	1	DA 110 004	DA 111 004	4mm	3mm	1
	1	DB 110 004	DB 111 004	4mm	2.5mm	4
	2	DAN 110 125	DAN 111 125	1/8"	2.38mm	2
	2	DAN 110 004	DAN 111 004	4mm	3mm	1
	4	DA 150 004	DA 151 004	4mm	3mm	1
	4	DA 150 006	DA 151 006	6mm	5mm	22
	4	DB 150 006	DB 151 006	6mm	4mm	24
	4	DC 150 006	DC 151 006	6mm	4.5mm	26
	4	DA 150 250	DA 151 250	1/4"	5.54mm	21
	4	DB 150 250	DB 151 250	1/4"	4mm	23
	5	DAN 150 004	DAN 151 004	4mm	3mm	1
	5	DAN 150 006	DAN 151 006	6mm	5mm	22
	5	DBN 150 006	DBN 151 006	6mm	4mm	24
	5	DCN 150 006	DCN 151 006	6mm	4.5mm	26
	5	DAN 150 250	DAN 151 250	1/4"	5.54mm	21
	5	DBN 150 250	DBN 151 250	1/4"	4mm	23
	7	DANB 150 006	DANB 151 006	6mm	5mm	22
	7	DBNB 150 006	DBNB 151 006	6mm	4mm	24
	7	DANB 150 250	DANB 151 250	1/4"	5.54mm	21
	8	DAK 150 004	DAK 151 004	4mm	3mm	1
	8	DAK 150 006	DAK 151 006	6mm	5mm	22
	8	DBK 150 006	DBK 151 006	6mm	4mm	24
	8	DCK 150 006	DCK 151 006	6mm	4.5mm	26
	8	DAK 150 250	DAK 151 250	1/4"	5.54mm	21
	9	DA 210 004	DA 211 004	4mm	3mm	1
	9	DA 210 006	DA 211 006	6mm	5mm	22
	9	DB 210 006	DB 211 006	6mm	4mm	24
	9	DA 210 250	DA 211 250	1/4"	5.54mm	21
	10	DAK 290 187	DAK 291 187	3/16"	4mm	18
	10	DAK 290 006	DAK 291 006	6mm	5mm	22
10	DBK 290 006	DBK 291 006	6mm	4mm	24	
10	DAK 290 250	DAK 291 250	1/4"	5.54mm	21	
	Drwg No. (Refer to opposite page)	Part No. Plain	Part No. Lined	Shaft Dia.	Flat Size	Shaft Identification Number *
D shafts without compression ring	1	DR 110 006	DR 111 006	6mm	4.5mm	26
	2	DPN 110 004	DPN 111 004	4mm	3mm	1
	3	DRK 110 006	DRK 111 006	6mm	4.5mm	26
	4	DR 150 006	DR 151 006	6mm	4.5mm	26
	5	DPN 150 004	DPN 151 004	4mm	3mm	1
	5	DPN 150 006	DPN 151 006	6mm	5mm	22
	5	DPN 150 250	DPN 151 250	1/4"	5.54mm	21
	6	DRD 150 006	DRD 157 006	6mm	4.5mm	26
	10	DQK 290 006	DQK 291 006	6mm	4mm	24
		Drwg No. (Refer to opposite page)	Part No. Plain	Part No. Lined	Shaft Dia.	No. of Splines
Splined shafts without Compression ring	1	TP 110 006	TP 111 006	6mm	18	13
	2	TPN 110 180	TPN 111 180	4.55mm	18	71
	2	TPN 110 006	TPN 111 006	6mm	18	13
	4	TP 150 006	TP 151 006	6mm	18	13
	5	TPN 150 180	TPN 151 180	4.55mm	18	11
	5	TPN 150 006	TPN 151 006	6mm	18	63
	5	TPN 150 250	TPN 151 250	1/4"	24	14
	9	TP 210 180	TP 211 180	4.55mm	18	11
	9	TP 210 250	TP 211 250	1/4"	24	14

\* This code number is moulded into the base of each knob to provide instant identification of the shaft type and size for which the knob is intended.

## Bottom knobs for concentric applications

Wing	Drwg No. (Refer to opposite page)	Part No. Plain	Part No. Lined	Shaft Dia.	Internals	Shaft Identification Number *
With through hole and compression ring	11	52/TAP 150 006	52/TAP 151 006	6mm	2 slots 6.3mm X 2mm	50
With through hole without compression ring	11	53/TPP 150 008	53/TPP 151 008	8mm	2 slots 5mm X 3mm	51



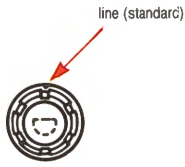
# PUSH-ON KNOBS Line Positioning

Please advise position of line required by reference to these diagrams. Unless otherwise stated, line position will be as Sifam standard (as indicated here by the red arrow). The line can in fact be positioned at any point around the knob so long as it is central in a flute. The flutes are at increments of 60° on the 11mm knob,

45° on the 15mm, 36° on the 21mm and 30° on the 29mm. The 15mm bar knob is shown here in the standard form—with the wings perpendicular to the shaft 'flat'. However, the angle of the wings relative to the flat of the shaft may be altered by 45° increments.

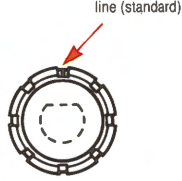
Viewed from top of knob

11mm



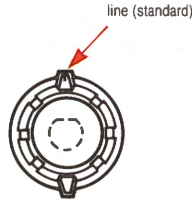
Line position in increments of 60° from Sifam standard (Moulded and printed to order)

15mm



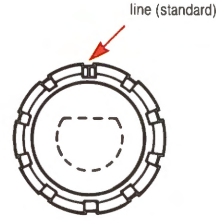
Line position in increments of 45° from Sifam standard. (Moulded and printed to order)

15mm Bar



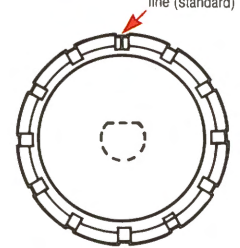
Line position and/or wing position in increments of 45° from Sifam standard. (Moulded and printed to order)

21mm



Line position in increments of 36° from Sifam standard. (Moulded and printed to order)

29mm

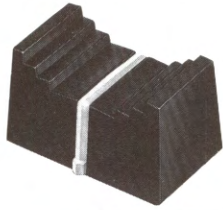


Line position in increments of 30° from Sifam standard. (Moulded and printed to order)

# SLIDER KNOBS

These knobs, moulded in matt-finish ABS or nylon, are available as standard in black, with other colours to order. Type 01 LA has a press fit white pointer. Types 02 LK and 03 LK are available with or without a printed white line.

Please state code number of knobs required by reference to typical tang details.



01 LA 130		02 LK 110		02 LK 150		03 LK 110		03 LK 150		TYPICAL TANG DETAILS
PLAIN	WITH TWO POINTERS	PLAIN	WITH LINE	PLAIN	WITH LINE	PLAIN	WITH LINE	PLAIN	WITH LINE	
01 LA 130 01	01 LA 132 01	02 LK 110 01	02 LK 111 01	02 LK 150 01	02 LK 151 01	03 LK 110 01	03 LK 111 01	03 LK 150 01	03 LK 151 01	8.0 x 1.2* (metal)
01 LA 130 02	01 LA 132 02	02 LK 110 02	02 LK 111 02	02 LK 150 02	02 LK 151 02	03 LK 110 02	03 LK 111 02	03 LK 150 02	03 LK 151 02	6.0 x 2.0 (plastic)
01 LA 130 03	01 LA 132 03	02 LK 110 03	02 LK 111 03	02 LK 150 03	02 LK 151 03	03 LK 110 03	03 LK 111 03	03 LK 150 03	03 LK 151 03	4.0 x 1.2 (metal)
01 LA 130 04	01 LA 132 04	02 LK 110 04	02 LK 111 04	02 LK 150 04	02 LK 151 04	03 LK 110 04	03 LK 111 04	03 LK 150 04	03 LK 151 04	3.0 x 1.2 4.0 (metal)
01 LA 130 05	01 LA 132 05	02 LK 110 05	02 LK 111 05	02 LK 150 05	02 LK 151 05	03 LK 110 05	03 LK 111 05	03 LK 150 05	03 LK 151 05	6.35 x 1.19 (metal)



# PUSHBUTTONS

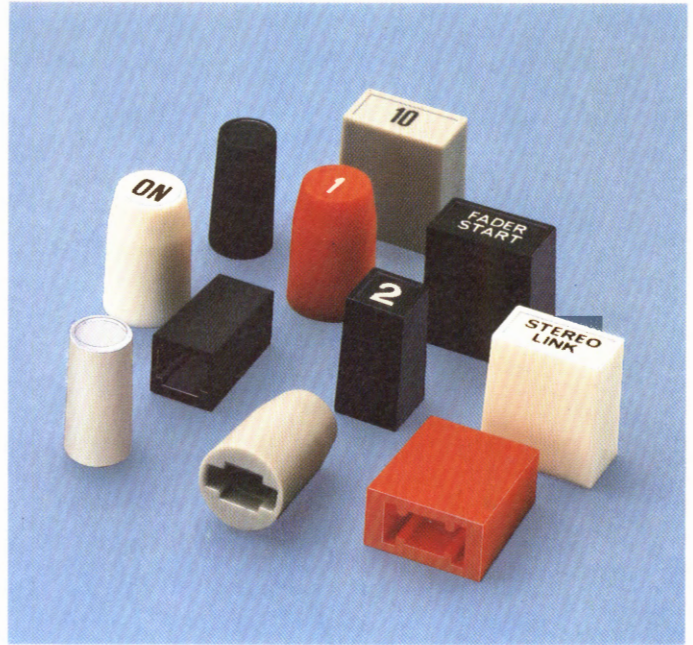
Pushbuttons are available in black, grey, red or white. They are moulded in matt-finish nylon, to match the style and finish of Sifam collet, push-on and slider knobs, and are stable in the temperature range  $-20^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$ .

All versions can be printed to customer requirements, using a high-definition printing process. The fine matt-textured finish provides an excellent ground on which to print letters, numbers, symbols or logotypes. This results in printing of high quality which is practically wear-proof and a more versatile, cost-effective alternative to engraving.

The tops of the pushbuttons are slightly recessed — to give both a distinctive styling and added protection to any printed legend.

If you have any requirements, not covered by this standard range, such as non-standard colour or special shaft configuration, please enquire.

Please note that minimum order quantities may be applicable to individual printed knobs and/or other special requirements.



TYPE	CODE NUMBER	SHAFT SIZE mm	PRINTING Recessed printing area shown actual size
<b>RECTANGULAR</b> 	PB01/50/000 PB01/51/000	3.3mm 2.8mm	Maximum: 6 characters per line Maximum: 2 lines 
<b>ROUND/TAPERED</b> 	PB02/50/000 PB02/51/000	3.3mm 2.8mm	Maximum: 2 characters 
<b>SQUARE</b> 	PB03/50/000 PB03/51/000	3.3mm 2.8mm	Maximum: 2 characters 
<b>CYLINDRICAL</b> 	PB04/50/000 PB04/51/000	3.3mm 2.8mm	Maximum: 2 characters 

When Ordering please state:

- Code Number
  - Moulding Colour
- and if printing required (minimum 200 per legend)
- Printing detail with orientation if applicable

## KNOB ORIENTATIONS



- Print Colour: Standard is black on white and grey  
Standard is white on black and red

Please contact our Sales Office should you have any special requirements, e.g. non-standard colour, special shaft etc.

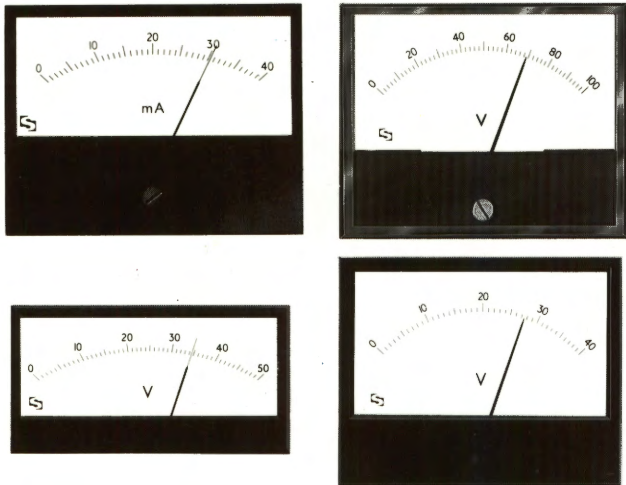


# OTHER SIFAM PRODUCTS

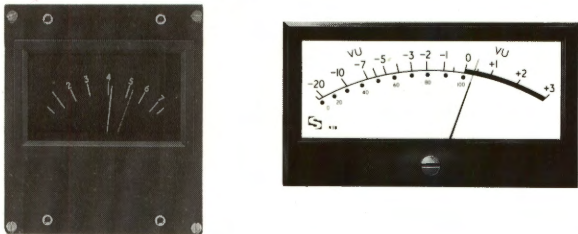
Sifam is one of the world's leading producers of panel meters and accessories — with nearly 60 years experience in the design and manufacture of these products to satisfy individual customer specifications.

The range includes:

... analogue moving-coil panel meters in a wide choice of styles and sizes, scaled and calibrated as required to measure and indicate in virtually any parameter.



... vu meters and peak programme meter indicators to the highest international standards.



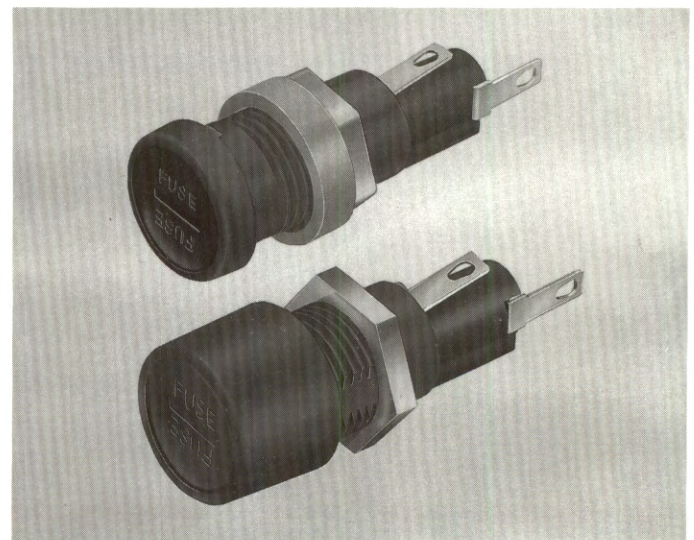
## FUSEHOLDERS

An advanced modular design of panel-mounting fuseholders designed to comply with IEC257 and BS3042, in low and high-profile types with 'D' hole or keyed hole mounting and suitable for panel thicknesses from 0.5 to 5.0mm. Fuse carrier is screwdriver-slotted for easy withdrawal.

Moulded in high-grade materials to a finely-textured matt-black finish and rated to 10A/250V, the fuseholders offer a high degree of protection and can be splash-proofed to IP64.

Terminations can be soldered, or will accept standard 2.8mm push-on connectors.

If you would like more information on these products, please ask for detailed literature.

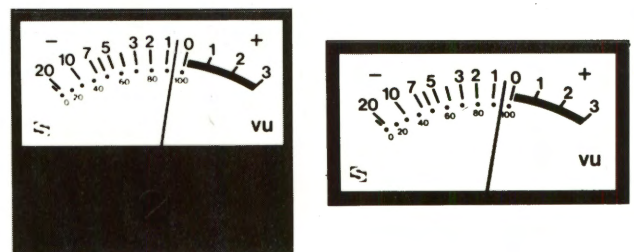


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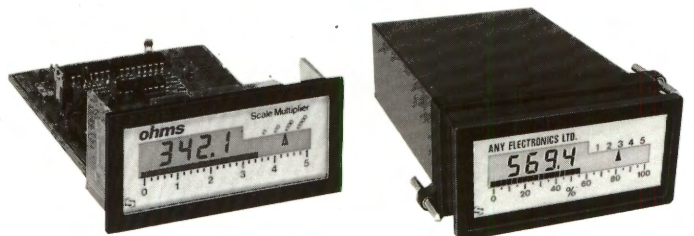
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