

THE PRODUCT

The TUNING KNOB range covers many different fields of application. Choose the TUNING KNOB whose size and design meets your own special requirements. Thanks to the large selection of types, you have the opportunity of giving your appliances their own individual “face”.

APPLICATIONS

Well-proven for electro-mechanical modules e.g. for measuring, controlling and automatic controlling purposes.

YOUR ADVANTAGE

For the varying applications involved we offer a range of tuning knobs in thermoplastic (ABS UL 94 HB) as well as knobs in thermosetting plastic for high temperature resistance (Duroplast).

Different designs and sizes – practical, with a good grip.

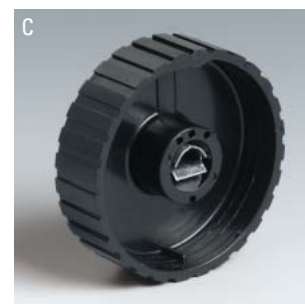
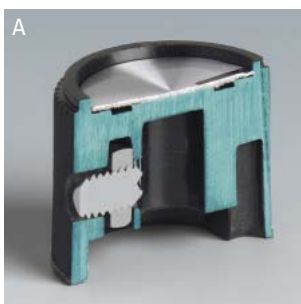
High-grade metal effects thanks to aluminium cap or insert embellisher. The colour and styling of the front panel thus form a unified whole.

Versions with markings – advantageous for adjusting and indicating.

FASTENINGS

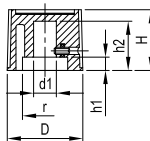
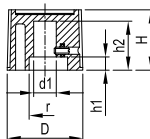
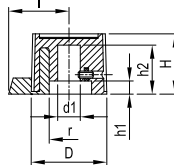
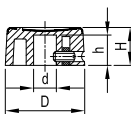
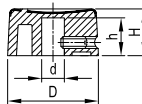
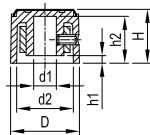
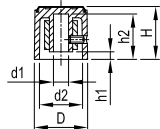
According to knob type

- A) Metal bush, metal ring or square-head nut and cupped point threaded studs with securing recess.
- B) Cupped point threaded studs with securing recess. Thread in plastic jacket (low cost knob version).
- C) Circular spring (tuning knobs with profile boreholes for axes 6/4.6 mm).

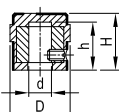
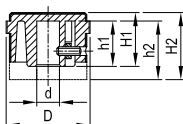
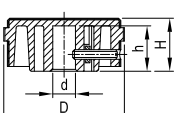
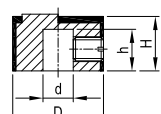
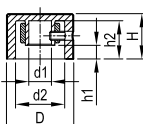
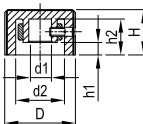
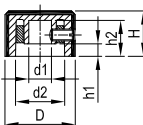


- Black
- Insert embellisher plate / embellisher cap made of aluminium

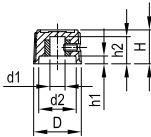
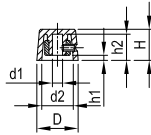
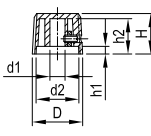
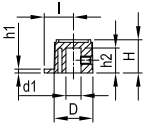
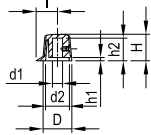
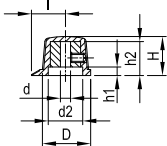
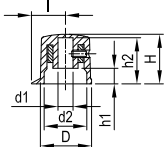
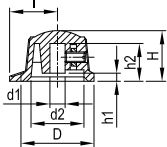
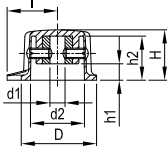
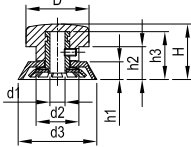
WITH INSERT EMBELLISHER PLATE/CAP AND LATERAL SCREW FIXING

Part-No.	Dim. in mm						Material	Picture	
A 13 28 160	D	d ₁	r	H	h ₁	h ₂	Duroplast insert embellisher plate aluminium		
	28	6	10.5	16	3.5	13			
A 13 20 260	D	d ₁	r	H	h ₁	h ₂	Duroplast insert embellisher plate aluminium		
A 13 24 260	20	6	5.3	16	3.5	13			
	24.3	6	9.5	16	3.5	13.2			
A 13 18 560	D	d ₁	r	H	h ₁	h ₂	l	Duroplast insert embellisher plate aluminium	
	23.9	6	8.2	16	3.5	13	18		
A 13 21 260	D	d	H	h				Duroplast embellisher cap aluminium	
	21	6	10	8					
A 16 24 260	D	d	H	h				Duroplast embellisher cap aluminium	
	24	6	12.4	10					
A 13 18 260	D	d ₁	d ₂	H	h ₁	h ₂		Duroplast embellisher cap aluminium	
	18.2	6	15	14.2	2	12.4			
A 13 14 240	D	d ₁	d ₂	H	h ₁	h ₂		Duroplast embellisher cap aluminium	
	14.1	4	11.4	14	2	12			

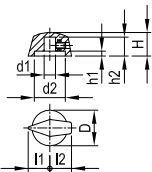
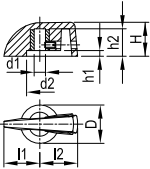
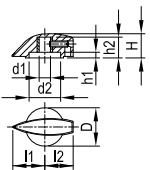
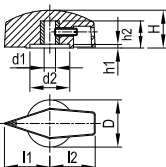
WITH ALUMINIUM CAP AND LATERAL SCREW FIXING

Picture	Material	Dim. in mm	Part-No.	
	Thermoplast aluminium cap		D d H h	
		15.9 4 15 12.7	A 14 16 449	
		15.9 6 15.2 12.4	A 14 16 469	
	Thermoplast aluminium cap		D d H ₁ h ₁ H ₂ h ₂	
			22.1 6 14.3 12 – –	A 14 21 469
			22.2 6 – 12 17.9 15.5	A 14 22 469
	Thermoplast aluminium cap		D d H h	
			31.9 6 14 12	A 14 32 469
	Thermoplast aluminium cap		D d H h	
			12 4 7.2 5.5	A 14 12 441
			12 6 7.1 5.6	A 14 12 461
	Thermoplast aluminium cap		D d ₁ d ₂ H h ₁ h ₂	
			17.8 6 13 12 3.6 10.1	A 14 18 461
			22.5 6 14 13.3 3 11	A 14 22 461
			37.8 6 32.8 15.9 3 13.5	A 14 38 461
	Thermoplast aluminium cap		D d ₁ d ₂ H h ₁ h ₂	
			18.7 6 12.9 12 3.3 9.5	A 14 18 261
			22.7 6 14 13.1 2.9 11.1	A 14 22 261
			32.8 6 15.5 14.4 3 12.3	A 14 32 261
			38.9 6 33 16 3 13.5	A 14 38 261
	Thermoplast aluminium cap black anodized		D d ₁ d ₂ H h ₁ h ₂	
			18.6 6 13 12 3.3 9.5	A 14 18 260
			22.8 6 14 13 3 11	A 14 22 260
			33 6 15.5 14.3 3 12.5	A 14 32 260

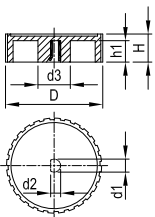
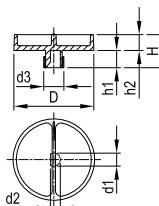
WITH LATERAL SCREW FIXING

Part-No.	Dim. in mm						Material	Picture
A 13 19 260	D	d ₁	d ₂	H	h ₁	h ₂	Duroplast	
	18.9	6	14.9	13.5	3.1	10.8		
								
A 13 16 240	D	d ₁	d ₂	H	h ₁	h ₂	Thermoplast red marking	
	16.4	4	12.5	12.3	2	10.4		
								
A 13 21 160	D	d ₁	d ₂	H	h ₁	h ₂	Thermoplast	
	20	6	17	16	3	14		
								
A 13 10 560	D	d	H	h ₁	h ₂	l	Thermoplast	
	15.4	6	13.2	1.5	9.9	11.6		
								
A 16 85 540	D	d ₁	d ₂	H	h ₁	h ₂	Thermoplast	
A 16 13 560	11.4	4	9.5	10.5	1.3	9	8.5	
	19.9	6	16	15.5	3.5	13.2	13.5	
								
A 13 13 540	D	d ₁	d ₂	H	h ₁	h ₂	Duroplast	
A 13 13 560	20	4	13.7	15.4	3.4	13.5	13.5	
	20	6	13.6	15.4	3.5	13.5	13.5	
								
A 13 12 560	D	d ₁	d ₂	H	h ₁	h ₂	Thermoplast	
	20.7	6	16.9	19.7	6.2	18.3	13.5	
								
A 13 19 560	D	d ₁	d ₂	H	h ₁	h ₂	Duroplast	
	29	6	21	20.1	3.2	15	19	
								
A 13 21 060	D	d ₁	d ₂	H	h ₁	h ₂	Duroplast	
	31	6	21.4	20	6.5	17.5	20	
								
A 13 31 660	D	d ₁	d ₂	d ₃	H	h ₁	h ₂	
A 13 42 660	25	6	17	31.2	22	7	13	
	31	6	21	41.5	25	8	14.5	22
								

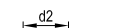
WITH LATERAL SCREW FIXING

Picture	Material	Dim. in mm								Part-No.	
	Duroplast		D	d ₁	d ₂	H	h ₁	h ₂	l ₁	l ₂	A 13 11 860
	Duroplast		D	d ₁	d ₂	H	h ₁	h ₂	l ₁	l ₂	A 13 19 860
	Duroplast		D	d ₁	d ₂	H	h ₁	h ₂	l ₁	l ₂	A 13 17 860
			20.3	6	16.7	12.8	3	11	17	15	A 13 21 860
	Duroplast		D	d ₁	d ₂	H	h ₁	h ₂	l ₁	l ₂	A 13 24 860
			25	6	21.1	20	2	14.3	24	24	

WITH PROFILED BOREHOLE AND SPRING FIXING

	Thermoplast		<table><tr><th>D</th><th>d₁</th><th>d₂</th><th>d₃</th><th>H</th><th>h₁</th></tr><tr><td>45</td><td>6</td><td>4.6</td><td>15</td><td>13</td><td>9.9</td></tr></table>	D	d ₁	d ₂	d ₃	H	h ₁	45	6	4.6	15	13	9.9	A 16 44 960		
D	d ₁	d ₂	d ₃	H	h ₁													
45	6	4.6	15	13	9.9													
	Thermoplast		<table><tr><th>D</th><th>d₁</th><th>d₂</th><th>d₃</th><th>H</th><th>h₁</th><th>h₂</th></tr><tr><td>37</td><td>6</td><td>4.6</td><td>9.3</td><td>15.3</td><td>8</td><td>7.3</td></tr></table>	D	d ₁	d ₂	d ₃	H	h ₁	h ₂	37	6	4.6	9.3	15.3	8	7.3	A 16 37 960
D	d ₁	d ₂	d ₃	H	h ₁	h ₂												
37	6	4.6	9.3	15.3	8	7.3												

INSERT – for axes with shaft ends

	Thermoplast for universal use in order to reduce borehole form 6 to 4 mm		<table><tr><th>D</th><th>d₁</th><th>d₂</th><th>H</th><th>h</th></tr><tr><td>7.4</td><td>4</td><td>6</td><td>7</td><td>0.6</td></tr></table>	D	d ₁	d ₂	H	h	7.4	4	6	7	0.6	A 13 00 040
D	d ₁	d ₂	H	h										
7.4	4	6	7	0.6										