

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.

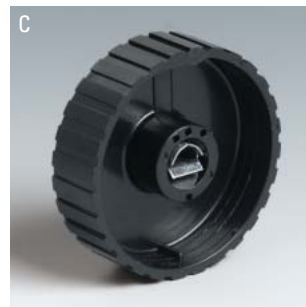
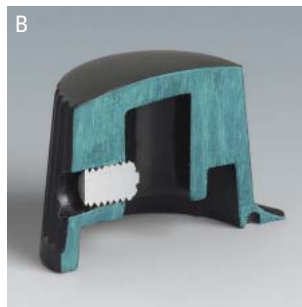
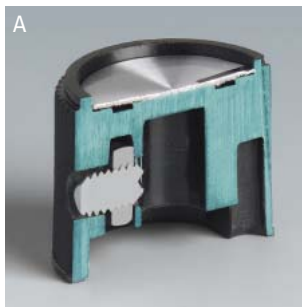
High-grade metal effects thanks to aluminium cap or insert embellisher. The colour and styling of the front panel thus form a unified whole.

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

TUNING KNOBS

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			
A 13 14 560	D	d ₁	d ₂	H	h ₁	h ₂	l	Duroplast embellisher cap aluminium	
	20.1	6	16.5	18.7	3	16	13.2		

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
			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
			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 21 441
			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
			22.5 6 14 13.3 3 11
			A 14 18 461
			A 14 22 461
			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
			22.7 6 14 13.1 2.9 11.1
			32.8 6 15.5 14.4 3 12.3
			A 14 18 261
			A 14 22 261
			A 14 32 261
			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
			22.8 6 14 13 3 11
			33 6 15.5 14.3 3 12.5
			A 14 18 260
			A 14 22 260
			A 14 32 260
	Thermoplast aluminium cap		D d H h
			20.9 6 12.2 10.4 without indicator line
			A 14 20 161
	Thermoplast aluminium cap		D d H h
			24 6 11.6 9.1
			A 14 24 261

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	l	Thermoplast		
	11.4	4	9.5	10.5	1.3	9	8.5			
A 16 13 560	D	d ₁	d ₂	H	h ₁	h ₂	l	Thermoplast		
	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	l	Duroplast		
	20	4	13.7	15.4	3.4	13.5	13.5			
A 13 13 560	D	d ₁	d ₂	H	h ₁	h ₂	l	Duroplast		
	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	l	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	l	Duroplast		
	29	6	21	20.1	3.2	15	19			
A 13 21 060	D	d ₁	d ₂	H	h ₁	h ₂	l	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	h ₃	Duroplast	
	25	6	17	31.2	22	7	13	19		
A 13 42 660	D	d ₁	d ₂	d ₃	H	h ₁	h ₂	h ₃	Duroplast	
	31	6	21	41.5	25	8	14.5	22		

WITH LATERAL SCREW FIXING

Picture	Material	Dim. in mm	Part-No.																								
	Duroplast	<table border="1"> <thead> <tr> <th>D</th> <th>d₁</th> <th>d₂</th> <th>H</th> <th>h₁</th> <th>h₂</th> <th>l₁</th> <th>l₂</th> </tr> </thead> <tbody> <tr> <td>18.8</td> <td>6</td> <td>16.4</td> <td>12.5</td> <td>2.6</td> <td>10</td> <td>11.5</td> <td>11.5</td> </tr> </tbody> </table>	D	d ₁	d ₂	H	h ₁	h ₂	l ₁	l ₂	18.8	6	16.4	12.5	2.6	10	11.5	11.5	A 13 11 860								
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D	d ₁	d ₂	H	h ₁	h ₂	l ₁	l ₂																				
25	6	21.1	20	2	14.3	24	24																				

WITH PROFILED BOREHOLE AND SPRING FIXING

	Thermoplast	<table border="1"> <thead> <tr> <th>D</th> <th>d₁</th> <th>d₂</th> <th>d₃</th> <th>H</th> <th>h₁</th> </tr> </thead> <tbody> <tr> <td>45</td> <td>6</td> <td>4.6</td> <td>15</td> <td>13</td> <td>9.9</td> </tr> </tbody> </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												
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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 border="1"> <thead> <tr> <th>D</th> <th>d₁</th> <th>d₂</th> <th>H</th> <th>h</th> </tr> </thead> <tbody> <tr> <td>7.4</td> <td>4</td> <td>6</td> <td>7</td> <td>0.6</td> </tr> </tbody> </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									