



## Rotary Switches

### K1 Metal Knobs

- Robust solid-aluminum design (RoHS compliant)
- For D-shape and round shafts
- Glossy anodized surface, scratch resistant, electrically non conducting and available in many colours
- Customized designs on request available

Explanation:

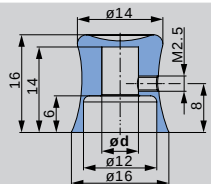
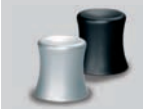
Ø d = Shaft diameter

L = Shaft length

P = Front panel thickness

Secure shaft attachment ensured  
with setscrew tightening

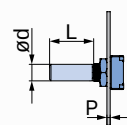
## Shape



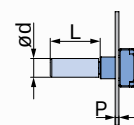
Weight: 3,6g

| Shaft diameter | Order number     |                  |
|----------------|------------------|------------------|
| Ø d            | Natural / Silver | Black            |
| 3mm            | K1-SH-S30        | K1-SH-B30        |
| 3,18mm (1/8")  | K1-SH-S32        | K1-SH-B32        |
| 4mm            | K1-SH-S40        | K1-SH-B40        |
| <b>* 6mm</b>   | <b>K1-SH-S60</b> | <b>K1-SH-B60</b> |
| 6,35mm (1/4")  | K1-SH-S64        | K1-SH-B64        |

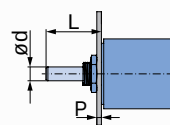
E33  
(threaded bushing)



E33  
(non-threaded)



E50  
(threaded bushing)

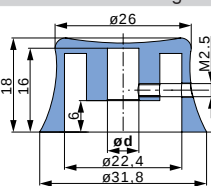


d = 6mm  
L = 7,8mm  
P = Min. 0,8mm  
Max. 3mm

d = 6mm  
L = 7mm  
P = Min. 0,8mm  
Max. 3,5mm  
at L=7mm  
P<sub>max</sub> = depending on L

Combination not possible

## Shaper



Weight: 14,5g

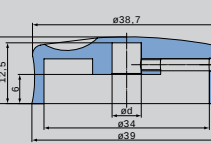
| Shaft diameter | Order number     |                  |
|----------------|------------------|------------------|
| Ø d            | Natural / Silver | Black            |
| 3mm            | K1-SR-S30        | K1-SR-B30        |
| 3,18mm (1/8")  | K1-SR-S32        | K1-SR-B32        |
| 4mm            | K1-SR-S40        | K1-SR-B40        |
| <b>* 6mm</b>   | <b>K1-SR-S60</b> | <b>K1-SR-B60</b> |
| 6,35mm (1/4")  | K1-SR-S64        | K1-SR-B64        |

d = 6mm  
L = 7,8mm  
P = Min. 0,8mm  
Max. 3mm

d = 6mm  
L = 7mm  
P = Min. 0,8mm  
Max. 3,5mm  
at L=7mm  
P<sub>max</sub> = depending on L

d = 6mm  
L = 14,3mm  
P = Min. 2mm  
Max. 5mm

## Dimple



Weight: 16,8g

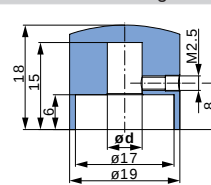
| Shaft diameter | Order number     |                  |
|----------------|------------------|------------------|
| Ø d            | Natural / Silver | Black            |
| 3mm            | K1-DM-S30        | K1-DM-B30        |
| 3,18mm (1/8")  | K1-DM-S32        | K1-DM-B32        |
| 4mm            | K1-DM-S40        | K1-DM-B40        |
| <b>* 6mm</b>   | <b>K1-DM-S60</b> | <b>K1-DM-B60</b> |
| 6,35mm (1/4")  | K1-DM-S64        | K1-DM-B64        |

d = 6mm  
L = 7,8mm  
P = Min. 0,8mm  
Max. 3mm

d = 6mm  
L = 7mm  
P = Min. 0,8mm  
Max. 3,5mm  
at L=7mm  
P<sub>max</sub> = depending on L

d = 6mm  
L = 14,3mm  
P = Min. 2mm  
Max. 5mm

## Pure



Weight: 8,9g

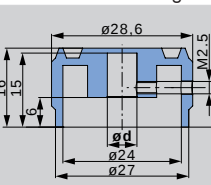
| Shaft diameter | Order number     |                  |
|----------------|------------------|------------------|
| Ø d            | Natural / Silver | Black            |
| 3mm            | K1-PR-S30        | K1-PR-B30        |
| 3,18mm (1/8")  | K1-PR-S32        | K1-PR-B32        |
| 4mm            | K1-PR-S40        | K1-PR-B40        |
| <b>* 6mm</b>   | <b>K1-PR-S60</b> | <b>K1-PR-B60</b> |
| 6,35mm (1/4")  | K1-PR-S64        | K1-PR-B64        |

d = 6mm  
L = 7,8mm  
P = Min. 0,8mm  
Max. 3mm

d = 6mm  
L = 7mm  
P = Min. 0,8mm  
Max. 3,5mm  
at L=7mm  
P<sub>max</sub> = depending on L

d = 6mm  
L = 14,3mm  
P = Min. 2mm  
Max. 5mm

## Robot



Weight: 12,2g

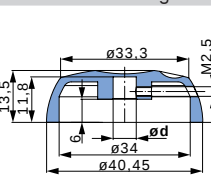
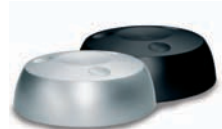
| Shaft diameter | Order number     |                  |
|----------------|------------------|------------------|
| Ø d            | Natural / Silver | Black            |
| 3mm            | K1-RB-S30        | K1-RB-B30        |
| 3,18mm (1/8")  | K1-RB-S32        | K1-RB-B32        |
| 4mm            | K1-RB-S40        | K1-RB-B40        |
| <b>* 6mm</b>   | <b>K1-RB-S60</b> | <b>K1-RB-B60</b> |
| 6,35mm (1/4")  | K1-RB-S64        | K1-RB-B64        |

d = 6mm  
L = 7,8mm  
P = Min. 0,8mm  
Max. 3mm

d = 6mm  
L = 7mm  
P = Min. 0,8mm  
Max. 3,5mm  
at L=7mm  
P<sub>max</sub> = depending on L

d = 6mm  
L = 14,3mm  
P = Min. 2mm  
Max. 5mm

## Space



Weight: 15,2g

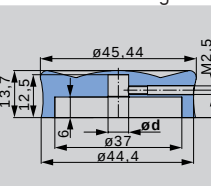
| Shaft diameter | Order number     |                  |
|----------------|------------------|------------------|
| Ø d            | Natural / Silver | Black            |
| 3mm            | K1-SC-S30        | K1-SC-B30        |
| 3,18mm (1/8")  | K1-SC-S32        | K1-SC-B32        |
| 4mm            | K1-SC-S40        | K1-SC-B40        |
| <b>* 6mm</b>   | <b>K1-SC-S60</b> | <b>K1-SC-B60</b> |
| 6,35mm (1/4")  | K1-SC-S64        | K1-SC-B64        |

d = 6mm  
L = 7,8mm  
P = Min. 0,8mm  
Max. 3mm

d = 6mm  
L = 7mm  
P = Min. 0,8mm  
Max. 3,5mm  
at L=7mm  
P<sub>max</sub> = depending on L

d = 6mm  
L = 14,3mm  
P = Min. 2mm  
Max. 5mm

## Cone



Weight: 36,2g

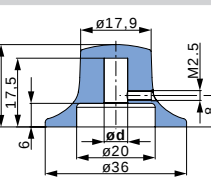
| Shaft diameter | Order number     |                  |
|----------------|------------------|------------------|
| Ø d            | Natural / Silver | Black            |
| 3mm            | K1-CN-S30        | K1-CN-B30        |
| 3,18mm (1/8")  | K1-CN-S32        | K1-CN-B32        |
| 4mm            | K1-CN-S40        | K1-CN-B40        |
| <b>* 6mm</b>   | <b>K1-CN-S60</b> | <b>K1-CN-B60</b> |
| 6,35mm (1/4")  | K1-CN-S64        | K1-CN-B64        |

d = 6mm  
L = 7,8mm  
P = Min. 0,8mm  
Max. 3mm

d = 6mm  
L = 7mm  
P = Min. 0,8mm  
Max. 3,5mm  
at L=7mm  
P<sub>max</sub> = depending on L

d = 6mm  
L = 14,3mm  
P = Min. 2mm  
Max. 5mm

## Medic



Weight: 16,8g

| Shaft diameter | Order number     |                  |
|----------------|------------------|------------------|
| Ø d            | Natural / Silver | Black            |
| 3mm            | K1-MD-S30        | K1-MD-B30        |
| 3,18mm (1/8")  | K1-MD-S32        | K1-MD-B32        |
| 4mm            | K1-MD-S40        | K1-MD-B40        |
| <b>* 6mm</b>   | <b>K1-MD-S60</b> | <b>K1-MD-B60</b> |
| 6,35mm (1/4")  | K1-MD-S64        | K1-MD-B64        |

d = 6mm  
L = 7,8mm  
P = Min. 0,8mm  
Max. 3mm

d = 6mm  
L = 7mm  
P = Min. 0,8mm  
Max. 3,5mm  
at L=7mm  
P<sub>max</sub> = depending on L

d = 6mm  
L = 14,3mm  
P = Min. 2mm  
Max. 5mm

### Recommended dimensions for **Coded switches**

[illegible]

### Recommended dimensions for **Selector switches**

[illegible]

## Standard colours

|                                    |                                                                                   |
|------------------------------------|-----------------------------------------------------------------------------------|
| Anodized natural „Aluminum-silver“ |  |
| Black                              |  |

## Special colours

|                |                                                                                   |
|----------------|-----------------------------------------------------------------------------------|
| Bright red     |  |
| Real gold      |  |
| Green          |  |
| Turquoise blue |  |
| Light blue     |  |
| Dark blue      |  |

Additional colours available on request

## Content of standard packing

- 20pcs. for Shaper, Robot, Space, Dimple, Cone, Medic
- 40pcs. for Shape or Pure
- 1pc. set screw M2,5x3mm per knob
- 1pc. setscrew-wrench WS 1,3mm



20pcs. for Shaper, Robot, Space, Dimple, Cone, Medic



40pcs. for Shape or Pure

## Spare parts

| Description              | Quantity | Order number |
|--------------------------|----------|--------------|
| Setscrew-wrench WS 1,3mm | 1 pc.    | K1-HEXKEY    |
| Set screw M2,5x3mm       | 1 pc.    | 5404-31      |

## Additional information

Note: Tighten the set screw carefully, max. torque 0,3Nm

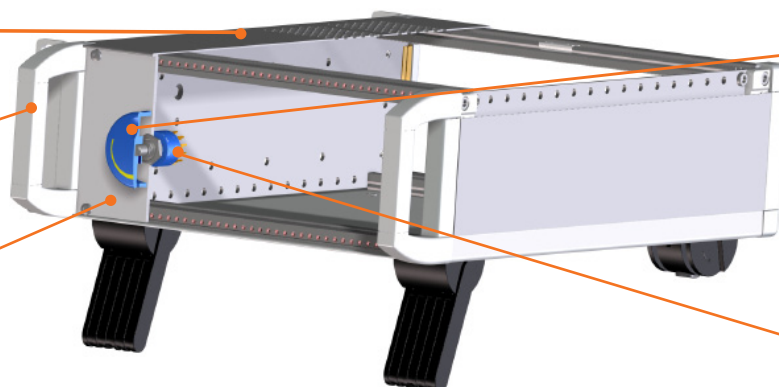
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Steel- or  
Aluminum construction

### Elma Handles

### Elma Front Panels



### Elma Knobs

Metal- and  
plastic knobs

### Elma Rotary Switches

Coded switches,  
Encoders,  
Selector switches

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