



TUNING KNOBS

AWARD-WINNING TUNING, CONTROL AND COLLET KNOBS IN ERGONOMIC, MODERN AND CLASSIC DESIGN



OKW
GEHÄUSE
SYSTEME



STAR-KNOBS "FLUSH-FITTING"



TOP-KNOBS



COMBINATION KNOBS



TUNING KNOBS "CLASSIC"

POTENTIOMETER / TUNING KNOBS

OKW has over 70 years' experience in the development and production of potentiometer knobs. Today we can offer a wide range of modern and traditional tuning knob designs for spindles from 3 to 8 mm.

Our latest operating elements combine special technical features with a contemporary appearance. This includes optional LED illumination, flush-fitting installation, a main body which is slightly inclined towards the internal axis, function-oriented marking elements, modern colour selection etc.

The OKW range of tuning knobs is well tried and tested for rotary potentiometers with round and flattened shaft ends in accordance with DIN 41591 or 6/4.6 mm. The knobs are fitted using the proven collet fixture, lateral screw fixing or simply by pushing them on. Choose from round knobs, wing knobs, spindle-shaped knobs, pointer knobs or simple rotary switches. Different sizes and combinations offer a wide range of possible solutions.

COM-KNOBS



OKW
GEHÄUSE
SYSTEME

STAR-KNOBS
"SURFACE-MOUNTING"



MATERIAL / COLOUR

Knob:

- PA, volcano
- PA, nero
- PC, diamond (can be illuminated)
- PC, ruby (can be illuminated)
- PC, emerald (can be illuminated)
- PC, sapphire (can be illuminated)

Cover:

- PA, volcano
- PA, nero

FASTENING

Tried and tested collet fixture system with secure fit on the axle.

KNOB SIZES (MM)

ø 33 mm
(boreholes 6 mm, 1/4")

ø 41 mm
(boreholes 6 mm, 8 mm)

BACKLIGHT

Optional illumination possible with modern, energy-saving SMD LED technology.

With white backlight you can realize the colours diamond, ruby, emerald and sapphire.

RGB

For individual colours there is a RGB backlight available. In this way you can display your own colour.

CUSTOMISING

- Machining
- Printing / Laser marking
- Lacquering
- Installation / Assembly of acc.



STAR-KNOBS "FLUSH-FITTING"

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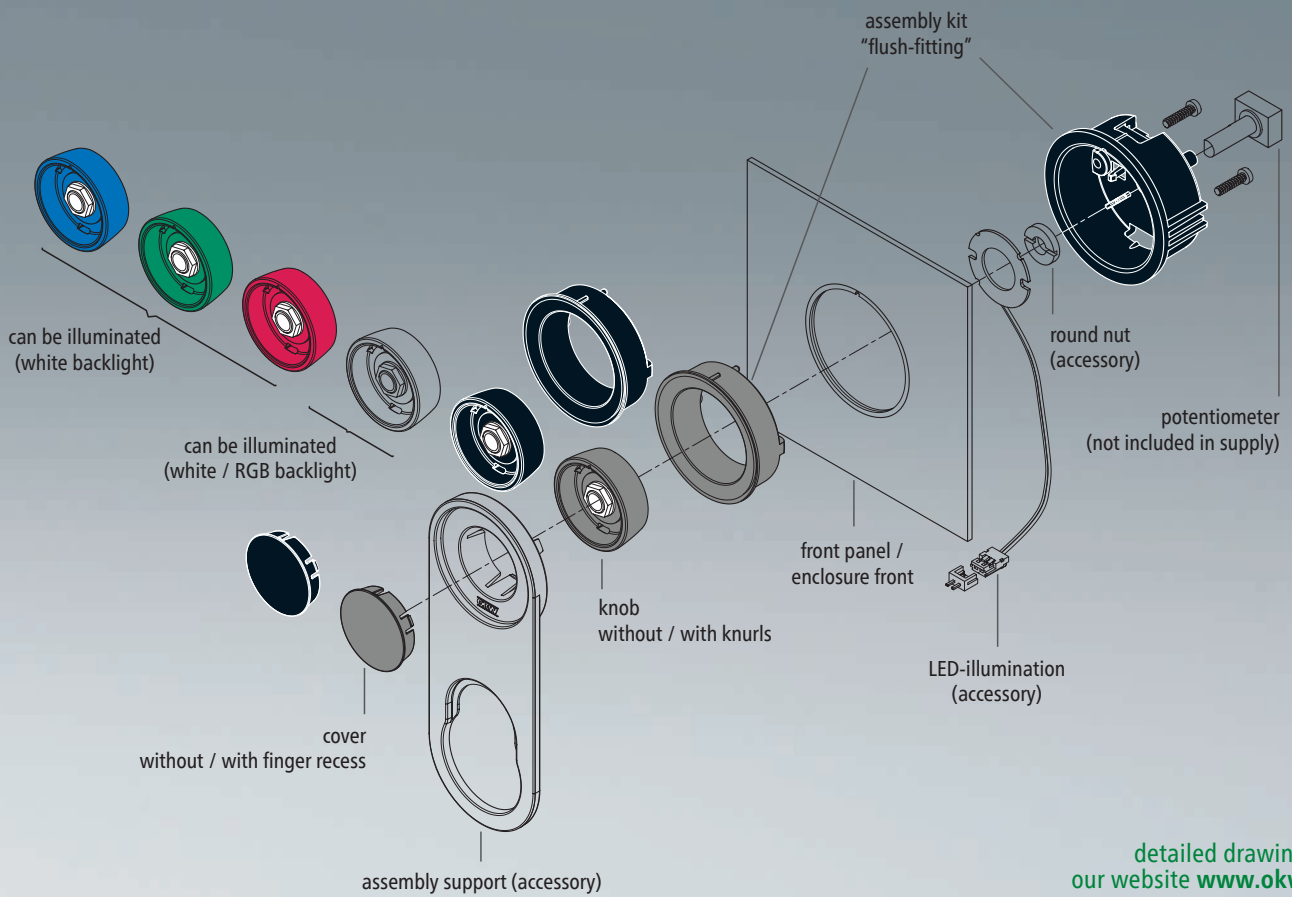
MODERN ILLUMINATED TUNING KNOBS

Our STAR-KNOBS are designed for menu driven interfaces, click rotation and click push-in for 'OK'. This reduces the number of knobs and controls required on the front panel. The illumination is a visual highlight and enhances user operation of the equipment.

INNOVATIVE DESIGN FOR FLUSH FITTING OR SURFACE MOUNTING

YOUR ADVANTAGE

- the flush-fitting version represents an attractive transition between the knob and the front of the device; the knob can be illuminated, that is, a ring lights up between the recess and the knob cover
- knob with or without knurls
- cover with or without finger recess for fine adjustments
- tried and tested collet fixture system with secure fit on the axle
- max. torques: assembly = 1.5 Nm, function = 1.2 Nm
- minimum components for 1 STAR-KNOB:
1 knob, 1 cover, 1 assembly kit



detailed drawings see our website www.okw.com



STAR-KNOBS "FLUSH-FITTING"

APPLICATION FIELDS

For rotary potentiometers or rotary pulse generators with round shaft ends in accordance with DIN 41591, including touch function:

- Measuring and control technology
- Health Care
- Heating and air conditioning
- Communication devices
- Building management
- Smart Factory

ILLUMINATION

Illumination possible with modern, energy-saving SMD LED technology for power supply units with 5 V: either white backlight for the colours diamond, ruby, emerald and sapphire or RGB backlight for individual colours as accessory.



MATERIAL / COLOUR

Knob:

- PA, volcano
- PA, nero
- PC, diamond (can be illuminated)
- PC, ruby (can be illuminated)
- PC, emerald (can be illuminated)
- PC, sapphire (can be illuminated)

Cover:

- PA, volcano
- PA, nero

FASTENING

Tried and tested collet fixture system with secure fit on the axle.

KNOB SIZES (MM)

ø 33 mm
(boreholes 6 mm, 1/4")

ø 41 mm
(boreholes 6 mm, 8 mm)

BACKLIGHT

Optional illumination possible with modern, energy-saving SMD LED technology.

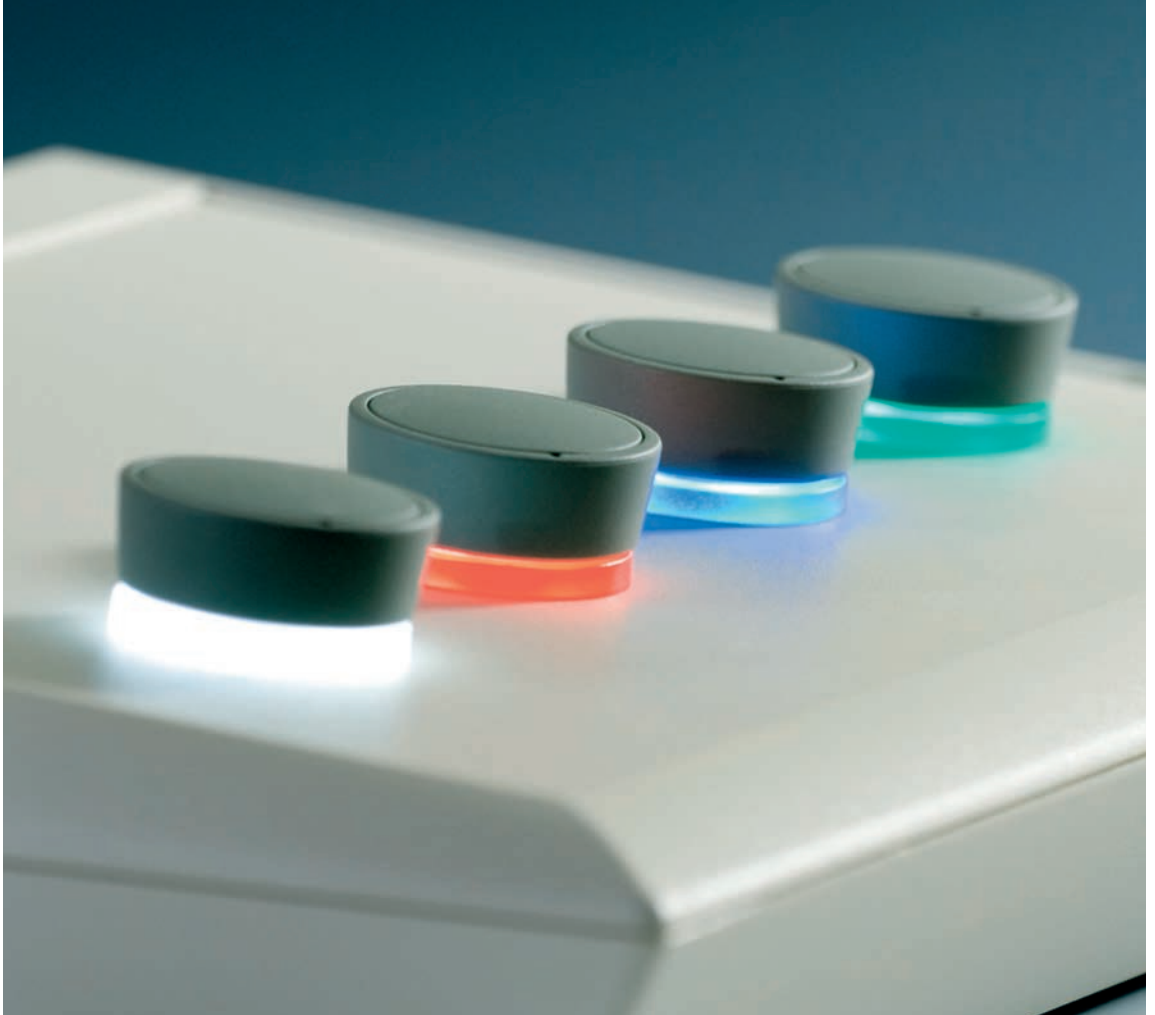
With white backlight you can realize the colours diamond, ruby, emerald and sapphire.

RGB

For individual colours there is a RGB backlight available. In this way you can display your own colour.

CUSTOMISING

- Machining
- Printing / Laser marking
- Lacquering
- Installation / Assembly of acc.



STAR-KNOBS "SURFACE-MOUNTED"

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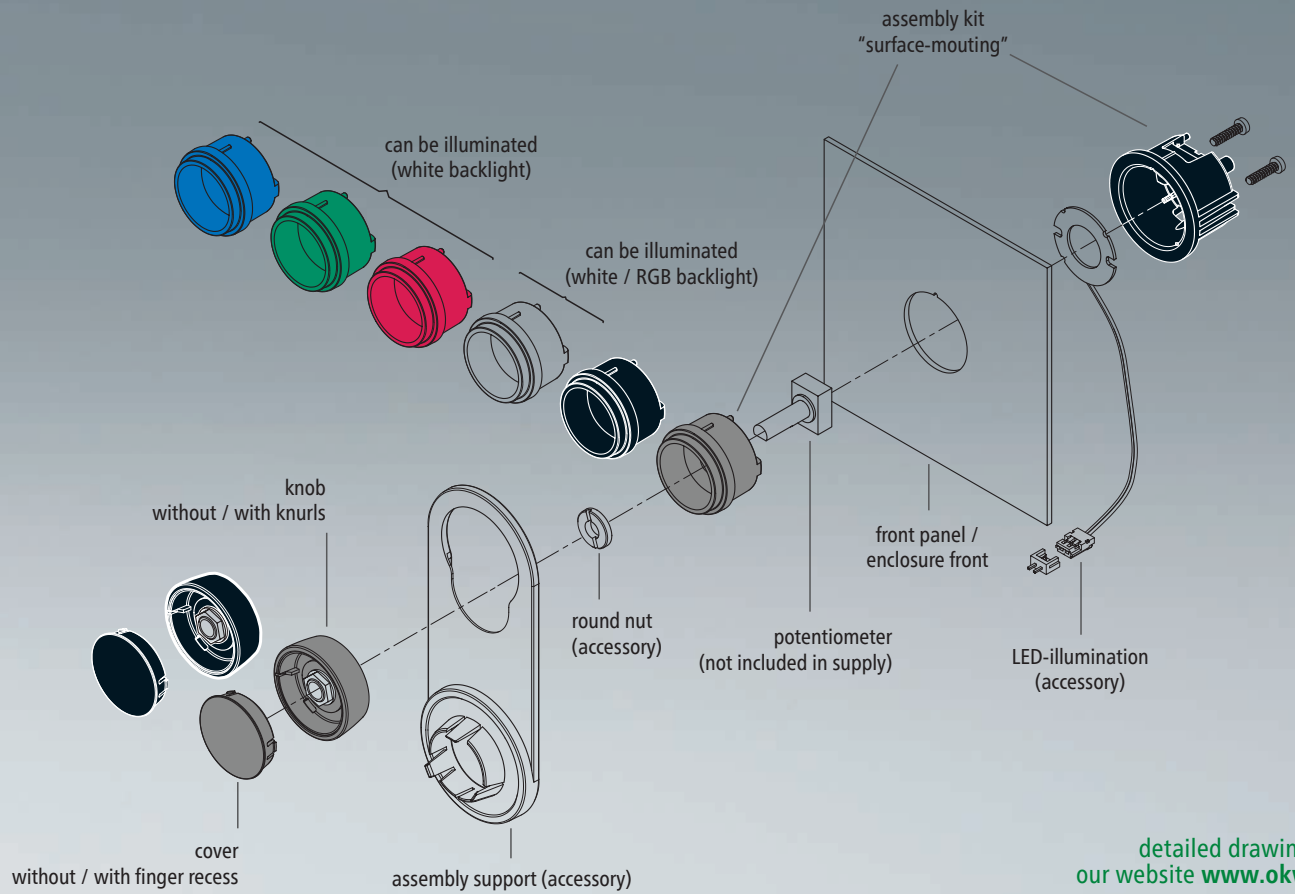
MODERN ILLUMINATED TUNING KNOBS

Our STAR-KNOBS are designed for menu driven interfaces, click rotation and click push-in for 'OK'. This reduces the number of knobs and controls required on the front panel. The illumination is a visual highlight and enhances user operation of the equipment.

INNOVATIVE DESIGN FOR FLUSH FITTING OR SURFACE MOUNTING

YOUR ADVANTAGE

- with the surface-mounted version, the knob design makes a great impression thanks to the slight inclination of the body towards the inner axis, thus allowing ergonomically comfortable operation; the knob is mounted on an approx. 3 mm high ring, which can be illuminated if required
- knob with or without knurls
- cover with or without finger recess for fine adjustments
- tried and tested collet fixture system with secure fit on the axle
- max. torques: assembly = 1.5 Nm, function = 1.2 Nm
- minimum components for 1 STAR-KNOB:
1 knob, 1 cover, 1 assembly kit



STAR-KNOBS "SURFACE-MOUNTED"

APPLICATION FIELDS

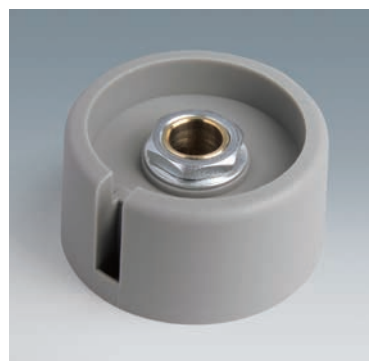
For rotary potentiometers or rotary pulse generators with round shaft ends in accordance with DIN 41591, including touch function:

- Measuring and control technology
- Health Care
- Heating and air conditioning
- Communication devices
- Building management
- Smart Factory

ILLUMINATION

Illumination possible with modern, energy-saving SMD LED technology for power supply units with 5 V: either white backlight for the colours diamond, ruby, emerald and sapphire or RGB backlight for individual colours as accessory.





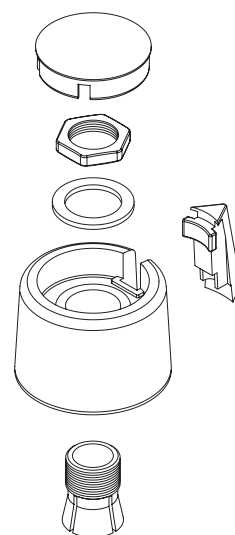
COM-KNOBS

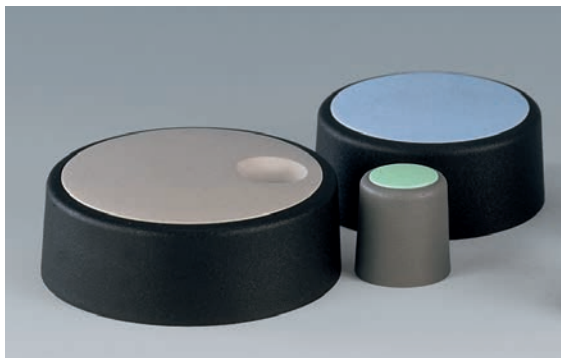
MODERN COLLET KNOB SYSTEM

Aesthetic design, a modern selection of pastel colours, and a secure collet fixing system are the main features of our COM-KNOBS range. These very attractive tuning knobs will give your application a high-quality appearance.

YOUR ADVANTAGE

- modern and innovative control knobs
- cover with a matt chrome finish for a classy metallic look (sizes 23-40)
- reliable operation with the tried and tested collet fixing system
- convenient assembly from the front with tight fitting on the axis
- with/without slot for arrow marking elements





MATERIAL / COLOUR

Knob:

- PA 6, volcano
- PA 6, nero

Cover / marking elements

- ABS (UL 94 HB), matt chromed *
- PA 6, coral
- PA 6, beach
- PA 6, lagoon
- PA 6, sky
- PA 6, mineral
- PA 6, nero



*only available for the sizes:
 ø 23 mm / 31 mm and 40 mm

KNOB SIZES (MM)

ø 16 mm / ø 20 mm / ø 23 mm
 (boreholes 4 mm / 6 mm / 1/4")

ø 31 mm
 (boreholes 6 mm und 1/4")

ø 40 mm / ø 50 mm
 (boreholes 6 mm und 8 mm)

FASTENING

With collet fixture system for rotary potentiometer with shaft ends according to DIN 41591.

CUSTOMISING

- Machining
- Printing
- Laser marking
- Lacquering
- Installation / Assembly of acc.

COM-KNOBS

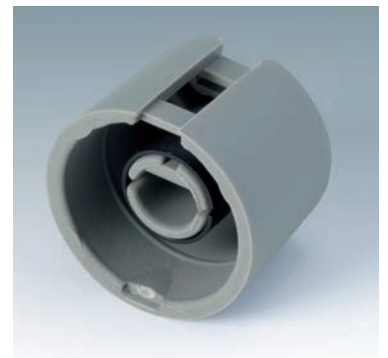
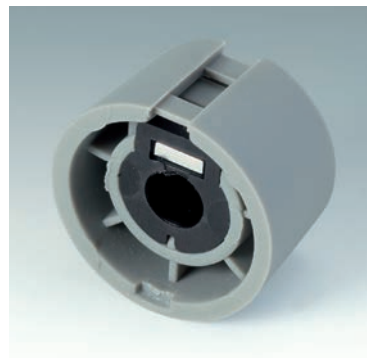
YOUR ADVANTAGE

- clip-on covers with or without a finger recess for finer control and adjustment
- also suitable for fitting accessory disks, dials, stator and nut covers
- the design is similar to our innovative TOP-KNOBS series; this guarantees you a uniform appearance when using the two knob technologies
- modern colour combinations

APPLICATION FIELDS

For rotary potentiometers with shaft ends corresponding to DIN 41591.

- Measuring and control technology
- Medical and wellness devices
- Laboratory equipment
- Heating and air conditioning
- Communication equipment
- Building management



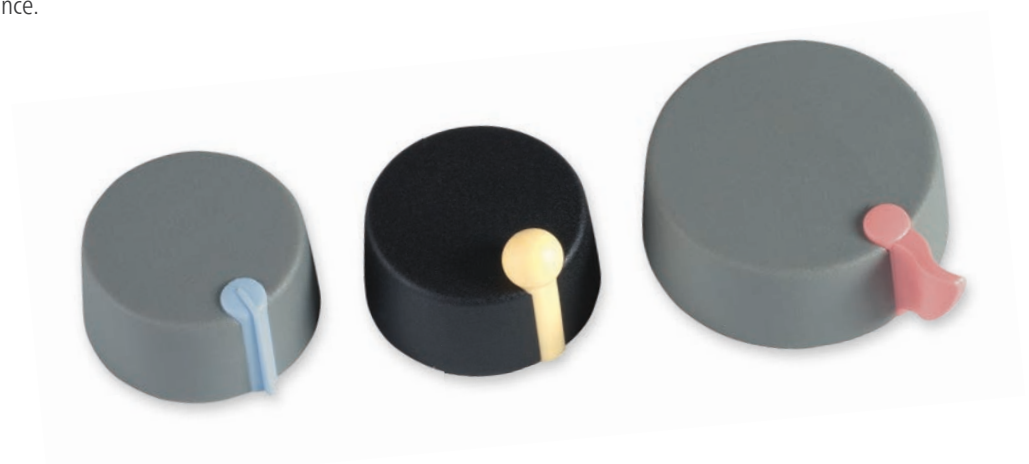
TOP-KNOBS

UNIQUELY MODERN TUNING KNOBS

Our TOP-KNOBS are unique in design and are thus the ideal solution for users looking for that special something. Individual marking element define the function of the tuning knob and give your equipment a modern, contemporary appearance.

YOUR ADVANTAGE

- aesthetically pleasing knob design – iF product design award
- lateral fixing screw for axis corresponding to DIN 41591 or for flattened ends





MATERIAL / COLOUR

Knob:

- PA 6, volcano
- PA 6, nero

Marking elements

– depending on the type –

- PA 6, coral
- PA 6, beach
- PA 6, lagoon
- PA 6, sky
- PA 6, mineral

KNOB SIZES (MM)

ø 16 mm

(boreholes 4 mm, 6 mm, 6/4,6 mm)

ø 20 / ø 24 / ø 31 und ø 40 mm

(boreholes 4 mm, 6 mm, 1/4", 6/4,6 mm)

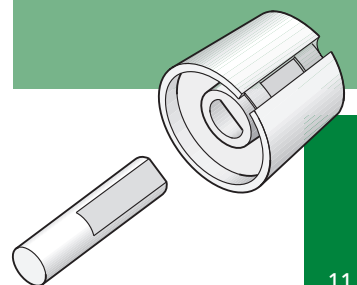
CUSTOMISING

- Machining
- Printing
- Laser marking
- Installation / Assembly of acc.

FASTENING

With lateral screw fixing on shaft ends according to DIN 41591.

Pinned onto the axes with flattened shaft ends ø 6/4,6 mm.



TOP-KNOBS

YOUR ADVANTAGE

- the fixing technique rules out any possibility of contact with live parts
- recessed underside to allow for external potentiometer fixing nuts
- modern colour combinations
- individual, functional marking elements, e.g. for fine calibration, clip into the sides and hide the lateral fixing screw

APPLICATION FIELDS

For rotary potentiometers with shaft ends corresponding to DIN 41591 or with flattened ends ø 6/4.6 mm.

- Measuring and control technology
- Medical and wellness devices
- Laboratory equipment
- Heating and air conditioning
- Communication equipment
- Building management



Round Knobs

Wing Knobs

Spindle-shaped Knobs

COMBINATION KNOBS

VERSATILE COLLET KNOB SYSTEM

Suitable for a huge number of applications, our COMBINATION KNOBS feature a reliable collet fixing system, and can be configured as round knobs, wing knobs and spindle-shaped knobs in combination with a large selection of accessories.

Collet Type

- sizes 10 and 13: blind holes with screw fixing
- sizes 16 and 20: brass collet with stepped counter-bored hole, except for axes 4 mm
- from size 23 up: brass collet with through holes

VERSIONS

- **Round Knobs:**
sizes \varnothing 9, 10, 13.5, 16, 20, 23, 31, 40, 50 mm
with boreholes 3, 4, 6, 8 mm, 1/8", 1/4"
(depend from the size)
- **Wing Knobs:**
sizes \varnothing 13,5, 16 mm with borehole 6 mm
- **Spindle-shaped Knobs:**
sizes \varnothing 16, 23, 31, 40 mm with boreholes 3, 4, 6 mm
(depend from the size)



MATERIAL / COLOUR

Knob:

- ABS (UL 94 HB), dusty grey (RAL 7037)
- ABS (UL 94 HB), black (RAL 9005)

Cover*: ● ● ● ● ● ● ● ●

ABS (UL 94 HB), red, yellow, green, light blue, pebble grey, dusty grey

Arrow disk* ● ● ● ●

ABS (UL 94 HB), black, red, dusty grey

Disk*

- ABS, black (RAL 9005)

Dial*:

- PC (UL 94 HB)

Nut cover*:

- ABS, black (RAL 9005)
- ABS, dusty grey (RAL 7037)

*depending on the type / size

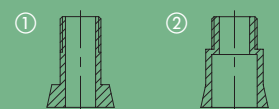
KNOB SIZES (MM)

ø 9 mm / ø 10 mm / ø 13,5 mm
 ø 16 mm / ø 20 mm / ø 23 mm
 ø 31 mm / ø 40 and ø 50 mm

FASTENING

With collet fixture system for rotary potentiometer with shaft ends according to DIN 41591.

Sizes 10 and 13 have blind holes and screw fixing. From knob size 23 up through holes ① (sizes 16 + 20 stepped ②, except for axes 4 mm).



CUSTOMISING

- Machining
- Printing
- Lacquering

COMBINATION KNOBS

YOUR ADVANTAGE

- standard round, wing and spindle type design with matt surfaces
- secure operation by tried and tested collet fixing system
- convenient assembly of knobs from the front; brass collet fixing system for tight fitting to the control spindle
- clip-on covers in different colours, with or without indicator line
- also suitable for fitting accessory arrow disks, dials, stator and nut covers

APPLICATION FIELDS

For rotary potentiometers with shaft ends corresponding to DIN 41591. Also suitable for profiled axes 6/4.6 mm in combination with the torsion protection (accessory).

- Medical, wellness devices and laboratory equipment
- Measuring and control technology
- Heating and air conditioning
- Communication equipment





MATERIAL / COLOUR

Knopf:

- PF (UL 94 V-0), black + alu
- ABS (UL 94 HB), black + alu
- ABS (UL 94 HB), brilliant
- PC, brilliant

KNOB SIZES (MM)

sizes from \varnothing 12 to \varnothing 38 mm
with spindle sizes 4 mm
or 6 mm

BEFESTIGUNG

lateral screw fixing for rotary
potentiometer with shaft ends

CUSTOMISING

- Machining
- Printing
- Installation /
Assembly of acc.



TUNING KNOBS "CLASSIC"

PRACTICAL RANGE OF TUNING KNOBS

Choose a knob that meets your own special size and design requirements. OKW TUNING KNOBS are suitable for many different applications and are offered in thermoplastic for normal use and thermosetting plastic (Duroplast) for high temperature resistance requirements.

APPLICATION FIELDS

For rotary potentiometers with shaft ends corresponding to DIN 41591: Measuring and control technology, medical and wellness devices, laboratory equipment, heating and air conditioning and communication equipment.

YOUR ADVANTAGE

- different designs and sizes: practical, with a good grip
- high-grade metal effect with aluminium cap or insert embellisher; the colour and styling of your front panel thus forms a unified whole
- models with markings; advantageous for adjusting and indicating
- lateral screw fixing for rotary potentiometer with shaft ends
- sizes from \varnothing 12 to \varnothing 38 mm with spindle sizes 4 mm or 6 mm
- accessory insert: reduces borehole from 6 to 4 mm



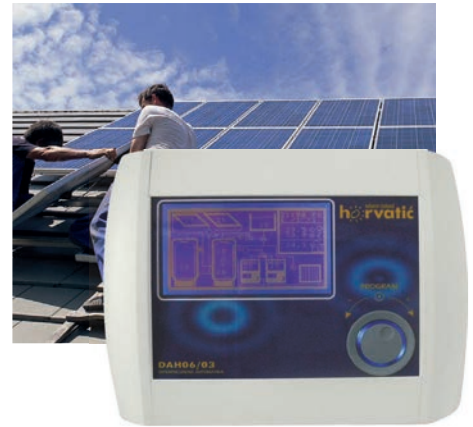
OPERATING ELEMENT FOR AN INTENSIVE CARE VENTILATOR



CONTROLLER FOR LED LIGHTING IN IMAGE PROCESSING AND MICROSCOPY



OPERATING ELEMENT FOR A UNIVERSAL CENTRIFUGE



CONTROL UNIT FOR PHOTOVOLTAIC SOLAR INSTALLATIONS

APPLICATIONS

These examples of customer applications show the variety of options for using our tuning knobs.



CONTROL ELEMENT FOR RESPIRATORY ASSISTANCE APPARATUS



PROCESSED ACCORDING TO YOUR WISHES

We can process and modify our tuning knobs according to your needs.

We can develop customer-specific solutions on the basis of the standard design. Through the combination of standard parts and customer-specific solutions, you benefit from the attractive relationship between investment and usefulness.

From conception to development, and then on to series production, we can offer you the solution you need, for the quantities you require.



MACHINING

We can perform individual machining processes for you, quickly and reliably, for sample or series production quantities. With our modern CNC machining facilities, we can produce individual solutions according to your design or a design proposed by us.





PRINTING

Would you like to give your product a personal touch? Or do you need labelling or symbols to indicate the function and usage more clearly? With top workmanship, we can carry out the required printing to your satisfaction.

Depending on the printing format and type of tuning knob, we can offer you screen printing, tampo printing as well as digital printing.

LASER MARKING

Laser marking is ideal for individual labelling, identifying or marking. In particular, very small machine-readable markings, e.g. QR codes, barcodes, consecutive numbering of individual parts and individual texts, can be carried out quickly and easily with laser marking.



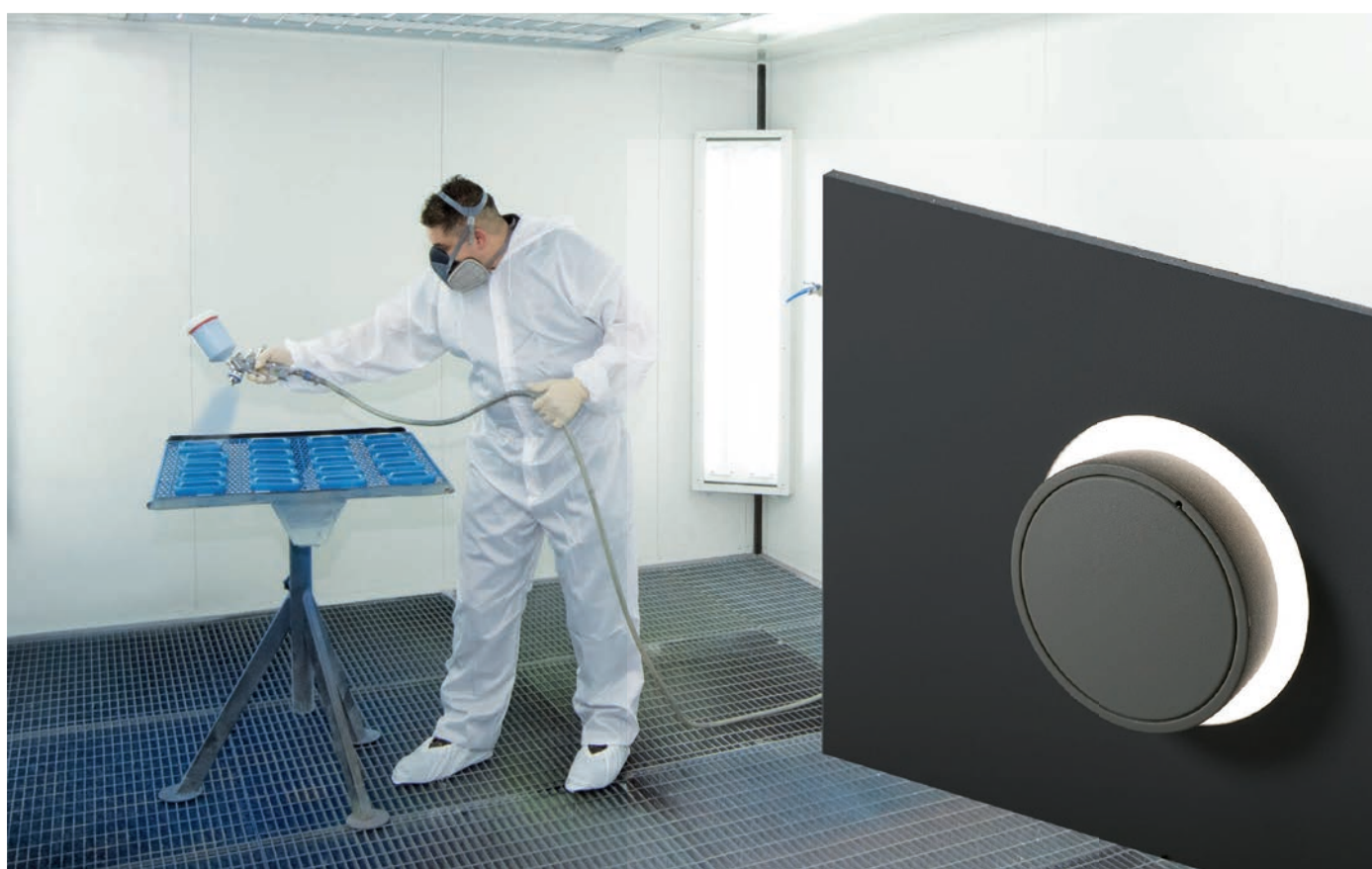
LACQUERING

We can lacquer the tuning knobs in any colour you wish so that it matches your application or your company CI. For special requirements such as improving the feel of your product, protection from electrostatic discharge or metallic effects, OKW offers a wide choice of lacquers.



ASSEMBLY

We can arrange the purchase of components for you, and perform all installation work to complete your device. Of course, you can also provide us with your own components for the assembly process.



www.okw.com



OKW
GEHÄUSE
SYSTEME

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