

# IK S10-SVC2



## IMPACT

K-SERIES

**SHALLOW 250MM / 10INCH**  
**1x2Ω SUBWOOFER**  
FOR COMPACT ENCLOSURES



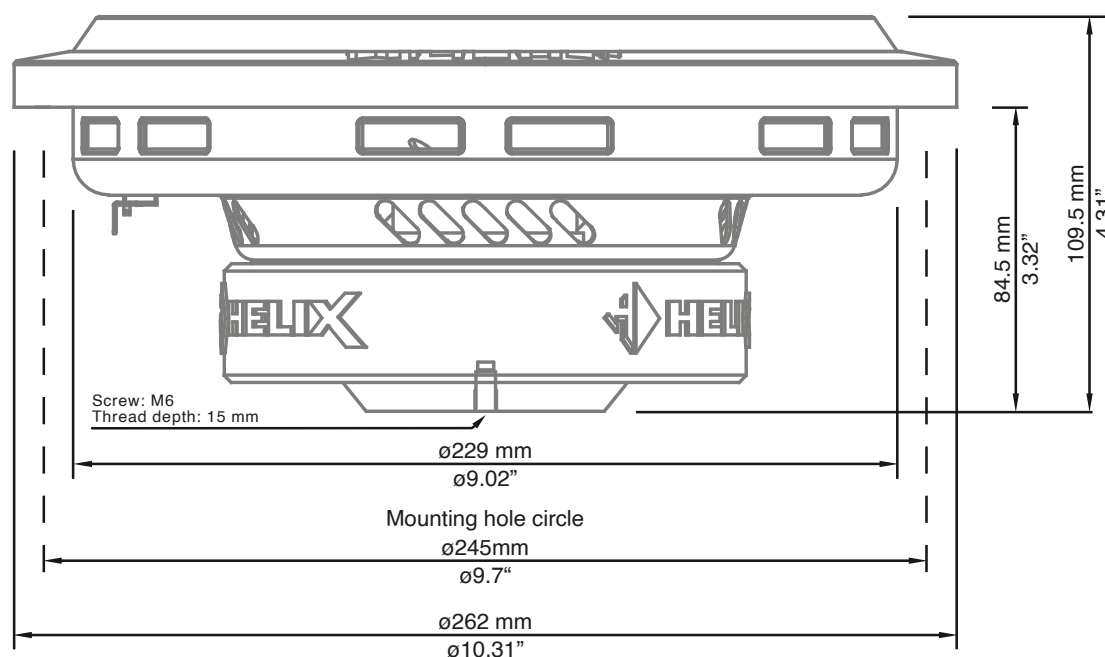
Screw: M6  
Thread depth: 15 mm



- Chassis with particularly low installation depth – optimized for compact and shallow enclosure constructions
- 1 x 2 Ohms single voice coil
- Magnet system with threaded hole on the back – allows screwing to the back panel of the enclosure for stabilization and reduction of enclosure vibrations
- Extremely stiff sandwich paper cone
- Long-excursion rubber surround for highest mechanical rating
- Rugged magnet cover with HELIX lettering for perfect magnet protection
- Enclosure connection terminal, grille and gasket included in delivery

## Dimensions

Abmessungen



## Technical data

Technische Daten

|                                                        |             |                                      |
|--------------------------------------------------------|-------------|--------------------------------------|
| Power<br>Leistung                                      | RMS<br>Max. | 300 W<br>600 W                       |
| Impedance<br>Impedanz                                  | Z           | 1 x 2 Ω                              |
| DC resistance<br>Gleichstromwiderstand                 | Re          | 2,0 Ω                                |
| Resonance frequency<br>Resonanzfrequenz                | Fs          | 37 Hz                                |
| Mechanical Q factor<br>Mechanische Güte                | Qms         | 7,61                                 |
| Electrical Q factor<br>Elektrische Güte                | Qes         | 0,54                                 |
| Total Q factor<br>Gesamtgüte                           | Qts         | 0,51                                 |
| Compliance<br>Nachgiebigkeit                           | Cms         | 150 μm/N                             |
| Equivalent air volume<br>Äquivalentvolumen             | Vas         | 26 L                                 |
| Force factor<br>Kraftfaktor                            | B*I         | 10,1 Tm                              |
| Sensitivity<br>Wirkungsgrad                            | SPL         | 93,0 dB @ 2,83V<br>87,0 dB @ 1W / 1m |
| Cone area<br>Membranfläche                             | Sd          | 353 cm²                              |
| Moving mass<br>Bewegte Masse                           | Mms         | 119 g                                |
| Mechanical resistance<br>Mechanischer Widerstand       | Rms         | 3,7 kg/s                             |
| Voice coil diameter<br>Schwingspulendurchmesser        | Ø           | 50,8 mm                              |
| Voice coil winding height<br>Schwingspulenwickelbreite |             | 18 mm                                |
| Max. linear excursion<br>Max. linearer Membranhub      | Xmax        | +/- 6 mm                             |

## Enclosure recommendations

Gehäuseempfehlungen

### Sealed box

Geschlossenes Gehäuse

|                                                                 |                                                                                         |
|-----------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| Net volume<br>Nettovolumen                                      | 14 L                                                                                    |
| Lower limiting frequency (-3dB)<br>Untere Grenzfrequenz (-3 dB) | 46 Hz                                                                                   |
| Recommended DSP settings<br>Empfohlene DSP-Einstellungen        | Highpass: "Self-Define"<br>45 Hz / Q = 1,3;<br>EQ Filter:<br>100 Hz / Q = 1,0 / -3,0 dB |

### Vented box

Bassreflex-Gehäuse

|                                                                 |                                                                                        |
|-----------------------------------------------------------------|----------------------------------------------------------------------------------------|
| Net volume<br>Nettovolumen                                      | 16 L                                                                                   |
| Port diameter<br>Reflex-Kanaldurchmesser                        | Ø 70 mm                                                                                |
| Port area<br>Reflex-Kanallfläche                                | 38 cm²                                                                                 |
| Port length<br>Reflex-Kanallänge                                | 38 cm                                                                                  |
| Port tuning frequency<br>Tunnelabstimmungsfrequenz              | Fb 37 Hz                                                                               |
| Lower limiting frequency (-3dB)<br>Untere Grenzfrequenz (-3 dB) | 39 Hz                                                                                  |
| Recommended DSP settings<br>Empfohlene DSP-Einstellungen        | Highpass: "Self-Define"<br>37 Hz / Q = 1,2;<br>EQ Filter:<br>95 Hz / Q = 0,7 / -3,0 dB |

## Wiring configuration

Anschluss

### 1 x 2 Ω configuration on one amplifier channel

1 x 2 Ω Konfiguration an einem Verstärkerkanal

