

HX 27-KZ

Very Short Helical Mobile Antenna for the 27 MHz CB-Band

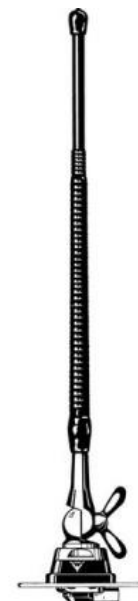
- Ultra-short (0.03 λ) mobile antenna for short-distance communication.
- Ideal where normal-sized antennas cannot be used, as on building-site machines, forest vehicles etc.

DESCRIPTION

- Amazingly good performance despite a very low height, due to top loading.
- Stainless steel Z-mount with ball-joint and wing screw whip-fastening system.
- Simple mounting exclusively with access from the outside. Models with roof thickness from 2 mm to 7.5 mm mounting from the inside.
- Ready-tuned and tested from the factory to assure minimum SWR.
- Choice between two connection principles:
 - Z-mount: FME-connection (supplied without cable).
 - ZP4-mount: Permanently attached 4 m cable terminated with FME-connector.

ORDERING DESIGNATIONS

TYPE	PRODUCT NO.	MOUNT VERSION
HX 27-KZ	130000598	Z-mount with FME-system
HX 27-KZP4	130001316	ZP4-mount with 4 m cable and FME connector



SPECIFICATIONS

ELECTRICAL	
MODEL	HX 27-KZ
ANTENNA TYPE	Toploaded helical mobile antenna
FREQUENCY	27 MHz CB-band
IMPEDANCE	Nom. 50 Ω
POLARIZATION	Vertical
BANDWIDTH	≥ 250 kHz @ SWR ≤ 2.0
SWR	≤ 1.3 @ f. res.
MAX. POWER	5 W

MECHANICAL	
MATERIALS	Whip: Electroplated steel helix moulded in elastomer Chromed brass Mount: Chromed brass Weather- and shockproof plastics Stainless steel
RECOMMENDED INSTALLATION TORQUE	7.5 ± 1 Nm
COLOUR	Black
HEIGHT	Approx. 34 cm
WEIGHT	Approx. 330 g
MOUNTING	$\varnothing 21$ mm dia. hole (For roof thickness 2 mm up to 7.5 mm mounting hole should be $\varnothing 22$ mm dia.)
ROOF THICKNESS	Max. 2.0 mm (Models up to 7.5 mm on request)

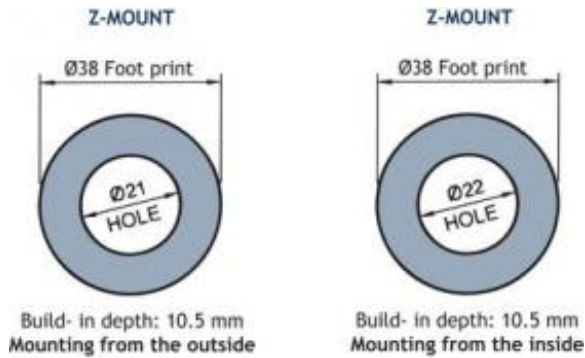


INSTALLATION

This antenna is provided with type Z-mount. The whip is fastened to the mount by means of our standard ball-joint and wing screw system. The adjustable ball-joint ensures that the whip can always be mounted in a vertical position independent of the angle of the installation spot.

The Z-mount is particularly well suited for mounting on car-roofs because of its ability to be installed exclusively with access from the outside. The Z-Mount for roof thickness from 2 mm to 7.5 mm must be mounted from the inside. However, the antenna can be installed anywhere on the car, as the Z-mount is equally well suited for mounting on e.g. trunk or wing.

1. INSTALLATION DIMENSIONS



3. TUNING

The antenna is factory-tuned for minimum SWR.
No additional tuning is required.

