



RIS-AN1 VHF IS STOPE ANTENNA

- Intrinsically Safe MSHA Certified
- Increases Off-Cable Coverage
- Extends Signal at the End of Leaky Feeder Cable

FEATURES

Becker Mining Systems' smartcom® 150IS Stope Antennas (RIS-AN1) increase off-cable coverage into stopes and other areas where cable damage is likely.

Stope Antennas are installed at the end of a Leaky Feeder cable run in place of termination units (RIS-TER) when extra coverage is required.

The layout rules for smartcom® 150IS systems can be found in the latest version of drawing MSHA-IS-01.

TECHNICAL DATA

PERFORMANCE SPECIFICATIONS

Antenna Type	Folded Dipole
Impedance	75 Ω
Gain	3 dBi
Center Frequency	173 MHz
Input Power (max)	1 Watt
Input Voltage	0-12 Vdc

MECHANICAL DATA

Construction	Single Printed Circuit Board and Antenna Elements
Enclosure	Fiberglass reinforced polyester plastic
Dimensions (L x H x W)	900 x 75 x 145 mm (35.4 x 3.0 x 5.7 in)
Weight (nominal)	1.00 kg (2.20 lbs)
Connector	1 Three terminal Lug Connector, PG21 cable grip
Antenna Element	19 mm (0.75 in) diameter

ENVIRONMENTAL DATA

Temperature Range	-20 to +60° C (-4 to +140° F)
Protection Class	NEMA 3 (IP54)

APPROVALS

MSHA	#23-A050001-0
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Technical data are limit values.

If the product is integrated into systems or operated in combination with other devices, its permissible operating values can deviate from these limit values. Subject to technical modifications without prior notice.

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