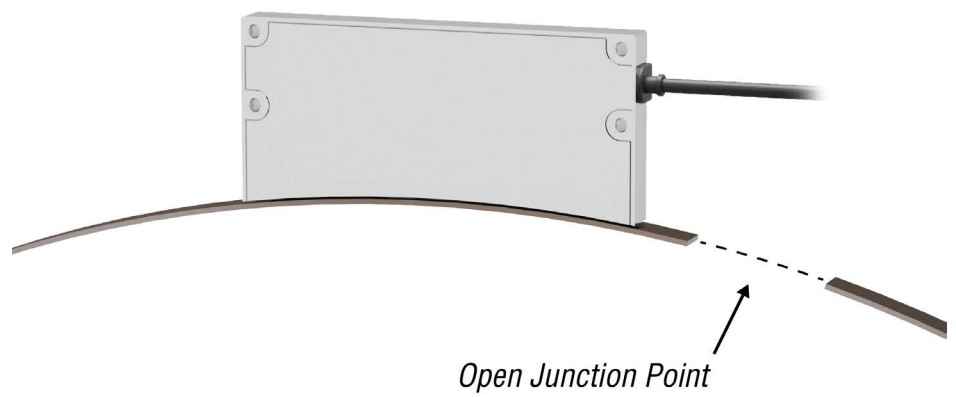


Flexible encoder solution for very large shafts

- For shafts with diameter up to 2.6 m / 8.53 ft
- Easy mounting on installed shafts (wind generators, turbines, rotary tables, ...)
- Perfect for retrofitting, no disassembly operation required
- Resolution up to 20 bits, SSI interface

SMAH2 bearingless absolute encoder with flexible magnetic belt fits perfectly the largest shafts with diameter up to 2.6 m / 8.53 ft. It is perfect for hardly accessible mounting areas and even in case of retrofitting as installation does not require any disassembly operation.



SMAH2 bearingless absolute encoder is designed to work on very big shafts with diameter up to 2.6 m / 8.53 ft. It must be paired with a flexible magnetic belt which is secured to the circumference of the drive shaft. The belt can have a length of up to 8.1 m / 26.57 ft, according to needs, and is only 10 mm / 0.39" wide.

It fits **perfectly and easily very large shaft applications**, also in constricted spaces, such as wind generators, turbines and hydroelectric power plant machines, rotary tables, paper

machines, textile, wood, metal & stone working machinery, etc.

The ends of the belt are open and must be clamped together around the shaft, so the measuring system is perfect also in case of retrofitting as no disassembly operation of the existing shaft is required.

Furthermore it is able to read properly the absolute position also in the joint area without any loss of counts.

The joint can be 10 mm min. to 30 mm max. wide (0.39" ÷ 1.18").

SMAH2 is bearingless and contactless, its operation is wear- and maintenance-free. The belt is insensitive to dust, oil, grease, water and common chemical agents. The max. speed allowed by the measuring system can be up to 2 m/s (RPM value depends on the shaft diameter; for example, it can be 38 RPM max. when the shaft diameter is 1 m / 3.28 ft).

SMAH2 provides the position information with a resolution of up to 20 bits through the **SSI interface**.