

SMAH2, the 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
- The joint area in the tape is read without any loss of counts
- Resolution up to 21 bits, SSI and BiSS interfaces

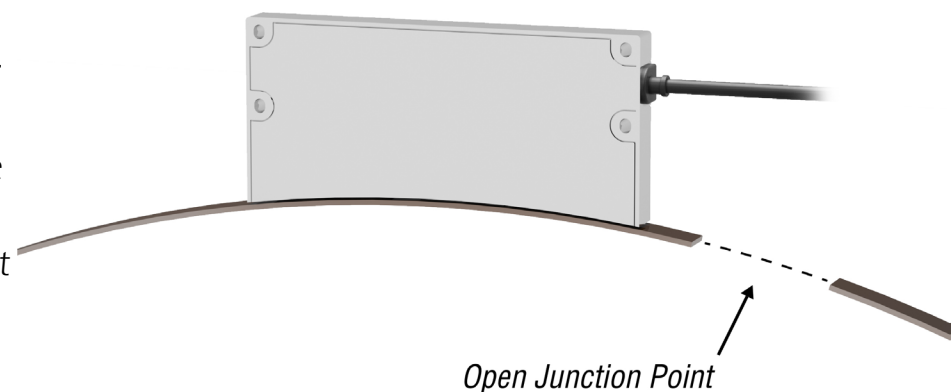
SMAH2 bearingless absolute encoder with flexible magnetic tape fits perfectly the largest shafts with diameter up to 2.6 m / 8.53 ft.

It is ideally suited for hardly accessible mounting areas and even in case of retrofitting as the installation does not require any disassembly operation. The joint area in the tape does not affect the reading of the position.

SMAH2 bearingless absolute encoder is designed to operate on very large shafts with diameter up to 2.6 m / 8.53 ft. It must be paired with a flexible magnetic tape which is secured to the circumference of the drive shaft. The tape 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, cranes, construction machinery, steel mills, paper machines, textile, wood, metal & stone working machinery**, etc.

The ends of the tape 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 even when crossing the joint area in the tape without any loss of counts.

SMAH2 is bearingless and contactless, its operation is wear- and maintenance-free.

The magnetic tape 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 21 bits through the SSI and BiSS interfaces.**