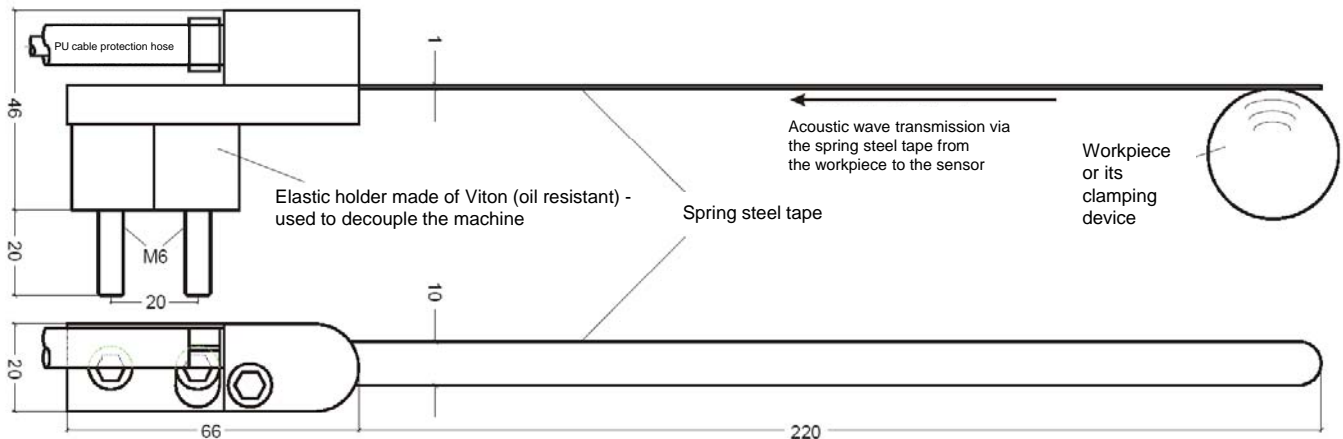




### Acoustic Sensor with a spring steel as waveguide SEA-Feder (patented)



(Standard length, can be arbitrarily shortened)

#### Specifications:

Frequency range:	5 kHz – 1 MHz
Amplitude dynamics:	110 dB (=Difference between biggest and smallest measurable noise amplitude)
Temperature range:	-40 °C to +85 °C
Power supply:	Via Acoustic emission processor SEP (± 15 V)
Line:	Koax RG174U, Standard length: 5 m

#### Function / installation:

The acoustic emission transducer SEA-Feder (patented) serves for the sound pickup of work pieces or work piece clamping devices in rotary cycle machines. The noise transmission occurs via a spring steel tape as an acoustic wave conductor. It lies in close contact to the work piece or its clamping device during the work piece machining process and, on account of its elasticity, allows for indexing of the work piece to the next station. The spring steel tape may be bent according to installation situation in a form similar to a semicircle, so as to, if need be, also allow the reverse indexing of the work piece without getting stuck.

#### Order number:

6.2.3 SEA-Feder