

MAIN FEATURES

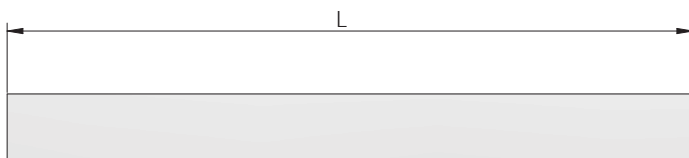
- Magnetic tape for use with ETMA
- Easy to install with premounted double-sided adhesive
- 2 mm or 5 mm pole pitch
- High pole accuracy
- Available in rolls up to 50 m



ORDERING CODE

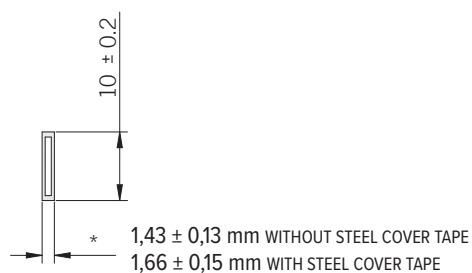
EBM	A	1	-	10	.XXX
SERIES magnetic tape EBM					
TAPE TYPE 10 mm width magnetic tape A					
PITCH 5mm pitch for ETMA 1 / 4 / 5 1 2mm pitch for ETMA 2 / 6 2					
separate the code with a dash -					
TAPE LENGTH from 0,5 m to 50 m 10					
VARIANT custom version XXX					

EBMA



dimensions in mm

for fixing clips please refer to Accessories



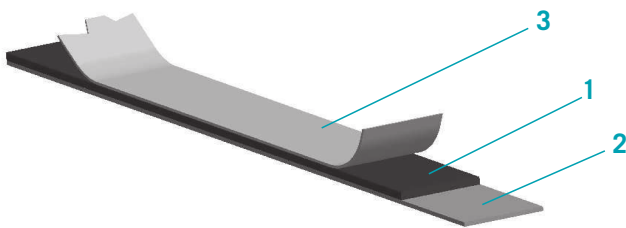
GENERAL SPECIFICATIONS

Operating temperature	-20° ... +100°C (-4° ... +212°F)
Accuracy	± 40 µm/m
Linear expansion coefficient	17 x 10 ⁻⁶ m/K
Bending radius	> 65 mm without steel cover tape > 100 mm with steel cover tape

CONSTRUCTION

As shown in the figure below, Eltra magnetic tape is made up of three layers:

- 1 - a flexible elastomer magnetic tape filled with ferrite
- 2 - a stainless steel tape used to create a shield against any external magnetic flux and other external agents. It's also glued to the top layer to give the magnetic tape the mechanical rigidity. The stainless steel tape is supplied with a double-sided acrylic adhesive (thickness 0.13 mm), not shown in the illustration.
- 3 - a steel tape, magnetically transparent, with the function of mechanically protecting the magnetic layer; it is the most rigid part and is therefore supplied separately for transport and application purposes. It must be stuck on the magnetic tape by the user. The steel tape is supplied with a double-sided acrylic adhesive (thickness 0.13 mm) not shown in the illustration.



To prevent damage from possible internal stresses in the magnetic tape, the tape should be wound with the magnetic layer facing outwards, with a minimum internal diameter of 200 mm and a minimum of 5 mm between layers. If supplied in single strips, leave at least 10 mm between strips.

TIPS FOR APPLYING THE MAGNETIC TAPE

Fixing pressure
Magnetic tape is adhesive. It is therefore important that there is optimum contact between the surfaces for correct use. Good pressure must be applied evenly to ensure a perfect result.

Applying temperature
To ensure optimum adhesion, a surface temperature between +20°C and +37°C (+68°F to +98.6°F) is recommended. Maximum adhesion is achieved after 72 hours at a temperature of +21°C (+69.8°F). Do not apply magnetic tape if the surface temperature is below +10°C (+50°F).

Application materials
Magnetic tape must be applied to dry, smooth and clean surfaces. The surfaces must be cleaned with an aqueous solution (such as water and 50% alcohol or heptane). Metallic surfaces such as brass, copper, etc. must be protected to prevent possible oxidation.

CHEMICAL AGENTS AND MAGNETIC TAPE BEHAVIOUR		
Null effect	Medium effect	Strong effect
motor oil	JP-4 fuel	aromatic hydrocarbons (benzene, toluene, xylene, trichloroethylene, freon 10)
transmission oil	gasoline	ketones (acetone)
ATF (automatic transmission fluid)	heptane	mineral acids (hydrochloric, sulphuric, nitric, phosphoric, boric)
hydraulic oil	alcohols	
kerosene		
antifreeze		
detergents, disinfectants (Clorox®)		
turpentine		
water		
salt spray		