

Tach Tape

Provide speed and frequency measurements without large split gears, slotted shafts, holes drilled in flywheels, or other clumsy make-do arrangements, even on a smooth shaft or wheel. Saves time and expense.



FEATURES

TT-100™ Dynalco Tach Tape is a strip of flexible magnetic polymer backed with a pressure sensitive adhesive. This adhesive adheres to a wide variety of surfaces, including most plastics and metals.

Because of its unique magnetization and arrangement of slots, a series of alternate magnetic poles is generated along the length of the tape. A Dynalco magnetic pickup becomes activated when placed perpendicular to the moving tape surface.

Figure 1 (next page) demonstrates that the Tach Tape performance is better than an 8-pitch gear when the air gap is larger than 0.050 inch (0.127 cm). This is especially welcome in cases where a small air gap is difficult to maintain, or space is too restricted to install split gears.

SPECIFICATIONS

Temperature range: -30°F to +160°F (-34°C to +71°C).

Gear pitch equivalent: Approximately 7 diametrical pitch.

Maximum continuous length: 100 feet (30 meters).

Minimum usable length: 2 in. (5.1 cm)

Tape dimensions: 1 inch wide X $\frac{1}{16}$ inch thick (2.5 cm X 0.16 cm).

Tach Tape Performance

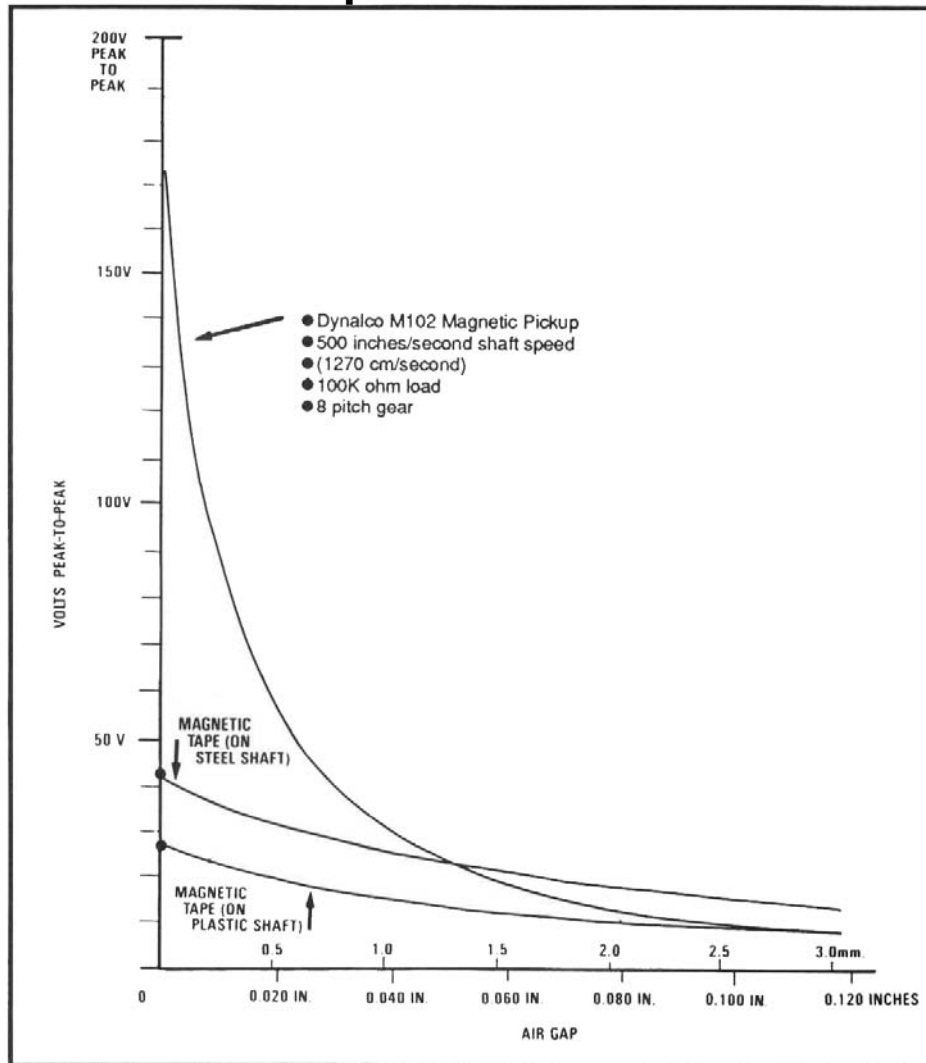


Figure 1

Table 1, Maximum Safe Speed*

Shaft Diameter	Without Reinforced Tape	With Reinforced Tape
3 inches (7.5 cm)	2500 rpm	10000 rpm
6 inches (15 cm)	1800 rpm	7200 rpm
9 inches (23 cm)	1500 rpm	6000 rpm
12 inches (30 cm)	1200 rpm	4800 rpm
24 inches (60 cm)	900 rpm	3600 rpm
36 inches (90 cm)	700 rpm	2800 rpm

**This table assumes the Tach Tape has been applied according to the installation instructions.*

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