MAGNETIC PICK-UP

Speed sensors: Convert engine speed to a frequency signal

The **MAGNETIC PICK-UP (MPU)** is the communication link between the engine and the electronic controller. The **MPU** is installed next to the drive shaft gear made of a material which reacts to a magnetic field.

As the flywheel rotates it interrupts the **MPU**'s magnetic field and produces an AC signal corresponding to the engine speed.

ADVANTAGES

- Detects steel sensing gears.
- Produces electrical frequency.
- Easy installation on engine.
- Different sizes & connectors.



M16 RANGE



5/8" RANGE



3/8" - 24 UNF



3/4" - 16 UNF



COW 500

Part numbers:

COM 16-70S, COM 16-54C, COM 16-92C.

COM 5/8-70S, COM 5/8-54C, COM 5/8-92C.

COM 3/8-60W, COM 3/4-70W.

FEATURES & SPECIFICATIONS

EASY-TO-USE PRODUCT

- Screw magnetic pickup into flywheel housing until contact is made with top surface of gear tooth on flywheel. Back magnetic pickup out one complete revolution and tighten nut.
- Connect electrical leads.
- The MPU must show a minimum of 2.5V with controller connected for an efficient speed reading.

FULLY COMPATIBLE WITH ALL ENGINES

Whether in inches or in metrics, CRE TECHNOLOGY provides a range of MPUs: they are available in different lengths, thread and connector types.

AFTER SALES SERVICE

Like every CRE TECHNOLOGY products, the unit also benefits from our technical support. All CRE TECHNOLOGY products are delivered with one year warranty.

DIFFERENT REFERENCE AVAILABLE

Our range of magnetic pick-ups allow you to choose the best product to fit your application and offer you the best speed sensors in order to make sure speed reading and overspeed protection are effective.

MAGNETIC PICK UPS WITH METRIC THREADS (THREAD: M16 X 1.5)

- **COM 16-70S:** Lenght 70mm, threads M16 x 1.5, connecting 2x "1/4 spade Faston.
- **COM 16-54C:** Lenght 54mm, threads M16 x 1.5, connecting 2 pins connector.
- **COM 16-92C:** Lenght 92mm, threads M16 x 15, connecting 2 pins connector.

MAGNETIC PICK UPS WITH SAE THREADS (THREAD: 5/8-18 UNF)

- **CO 5/8-70S:** Lenght 70mm, threads 5/8" - 18 UNF, connecting 2x "1/4 spade Faston.
- **CO 5/8-54C:** Lenght 54mm, threads 5/8" - 18 UNF, connecting 2 pins connector.
- **COM 5/8-92C:** Lenght 92mm, threads 5/8" - 18 UNF connecting 2 pins connector.
- **CO 3/8-60W:** Lenght 60mm, threads 3/8" - 24 UNF, connecting 2m shielded cable.
- **CO 3/4-70W:** Lenght 70mm, threads3/4" - 16 UNF, 2 wires.

CONNECTORS AND CABLES

This range of products is also composed with connectors and cables.

All the references are compatible with the following magne-tic pick ups:

- COM 16-54C
- COM 16-92C
- COM 5/8-54C
- COM 5/8-92C

LENGTH: 5 meters

CRE TECHNOLOGY has provided its range of Magnetic Pick Up speed sensors for years, the sensor is use for speed information display, idle speed control and engine speed protection.

ENVIRONEMENT

- **Operating temperature:** -10 to 100°C
- **Storage temperature:** -30 to 125°C

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MAGNETIC PICK-UP

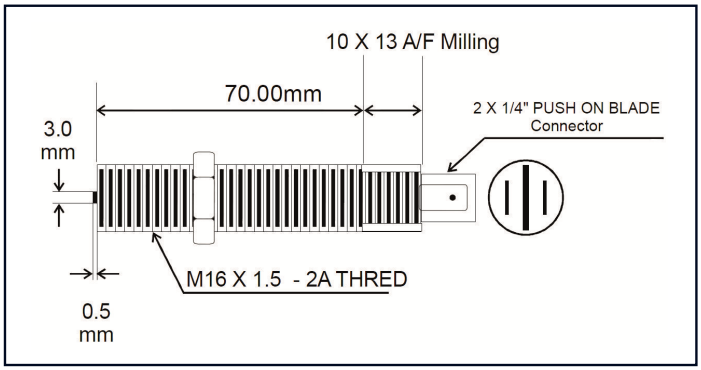
Speed sensors: Convert engine speed to a frequency signal

APPLICATIONS

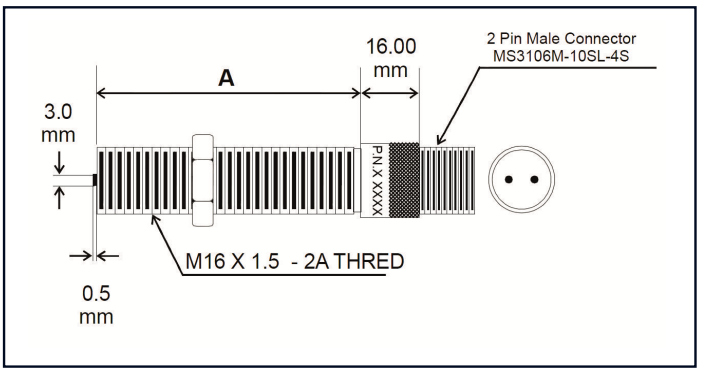
- Off highway vehicles applications are various and often equipped with systems identical or similar than Gensets, like speed governors, solenoids, CAN controllers, overspeed protections…)
- Sprinkler pump application.
- Compact excavator.

WIRINGS

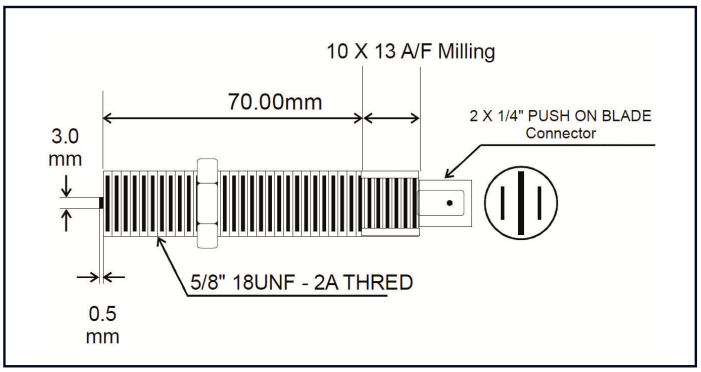
COM 16 - 70S



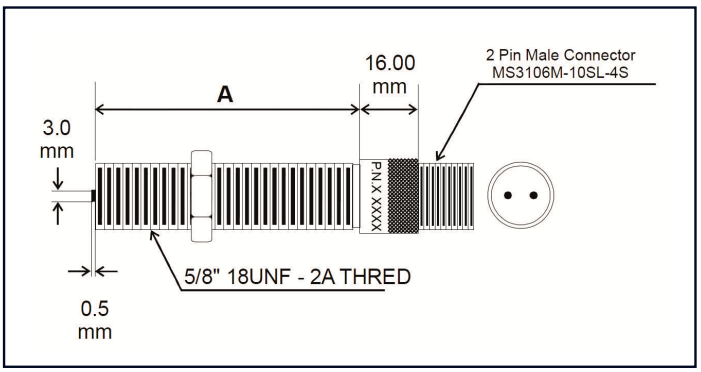
COM 16 - 54C & COM 16 - 92C



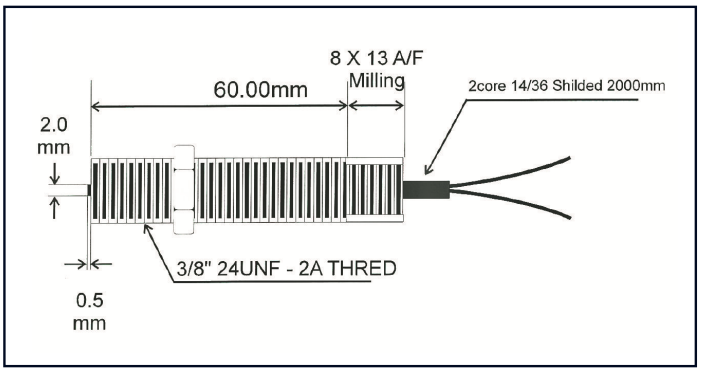
CO 5/8 - 70S



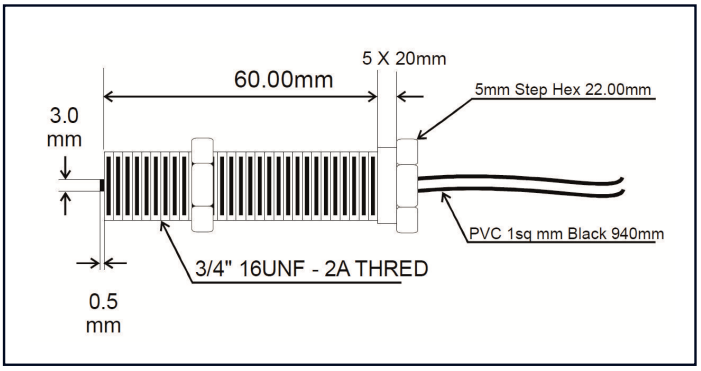
CO 5/8 - 54C & CO 5/8 - 92C



CO 3/8 - 60W



CO 3/4 - 70W



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