

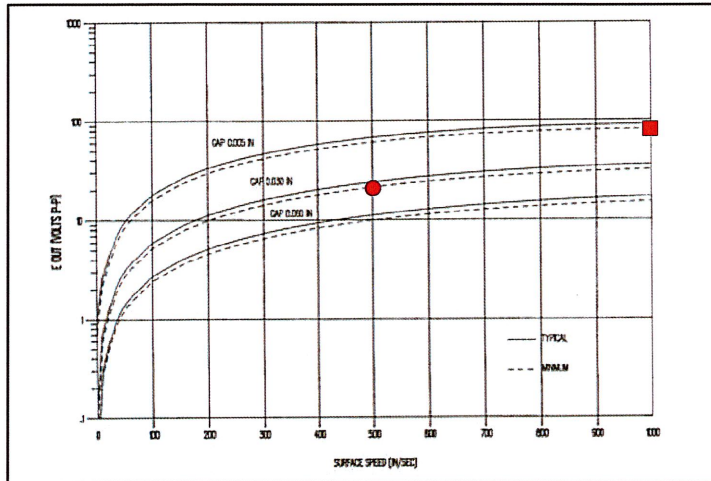
Passive Speed Sensors

5/8 - 18 FAMILY

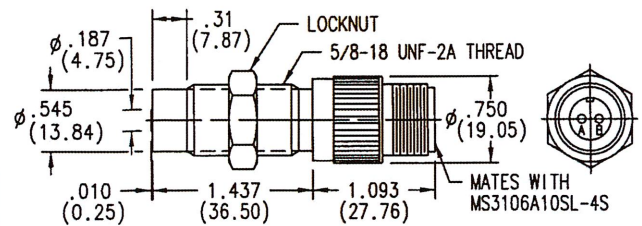
Power Output

Ordering Part # **Thread Length (A)**
 70085-1010-028 1.437 (36.50)
 (Select cable from group "A", see index)

Performance Curves



Based on 8 D.P. Gear



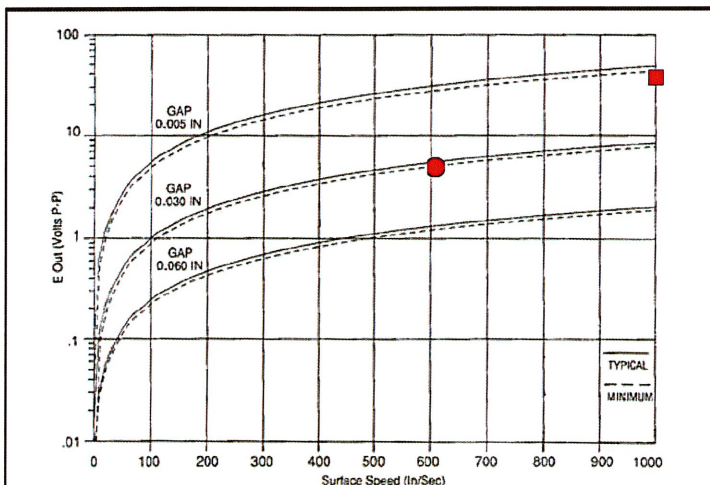
Specifications:

- Output Voltage (Standard): 75 V (P-P)
- Output Voltage (Guarantee Point): 21.5 V (P-P)
- DC Resistance: 210 ohms max.
- Typical Inductance: 50 to 95 mH ref.
- Output Polarity: Pin "B" positive
- Operating Temperature: - to +107° C Net
- Weight: 2.2 oz. max.

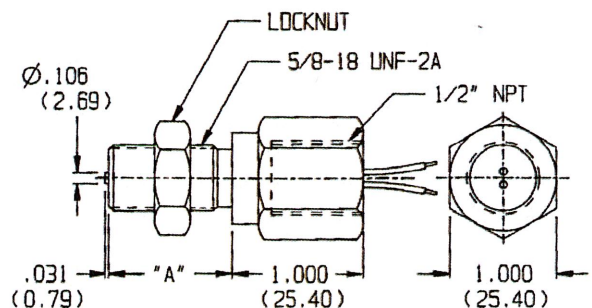
Conduit Fitting – General Purpose

Ordering Part # **Thread Length (A)**
 70085-1010-004 1.125 (28.57)
 70085-1010-469 2.750 (69.85)

Performance Curves



Based on 20 D.P. Gear



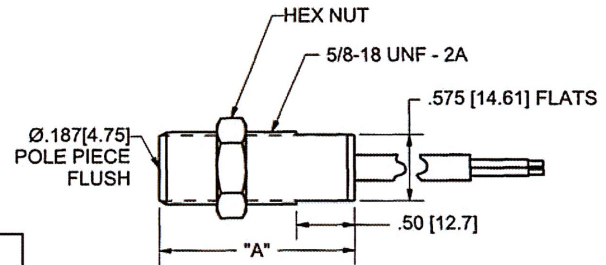
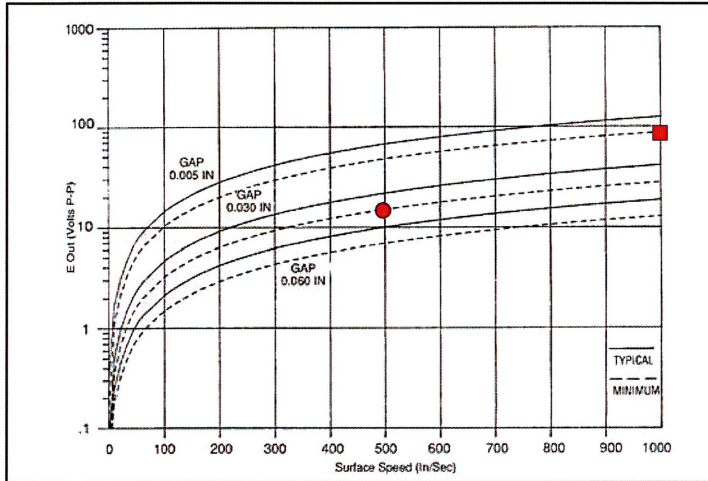
Specifications:

- Output Voltage (Standard): 43 V (P-P)
- Output Voltage (Guarantee Point): 4.3 V (P-P)
- DC Resistance: 130 ohms max.
- Typical Inductance: 32-46 mH ref.
- Output Polarity: Red lead positive
- Operating Temperature: -73 to +107°C
- Lead length: 10 ft (3.05 m)
- Net Weight: 16 oz. max.

Full Thread – Power Output

Ordering Part #	Thread Length (A)
70085-1010-131	1.80 (45.72)
70085-1010-214	3.06 (77.72)

Performance Curves



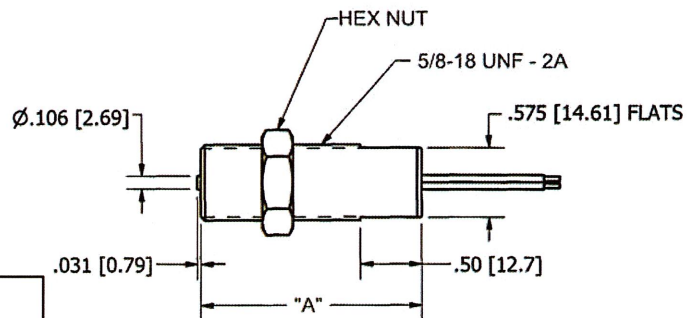
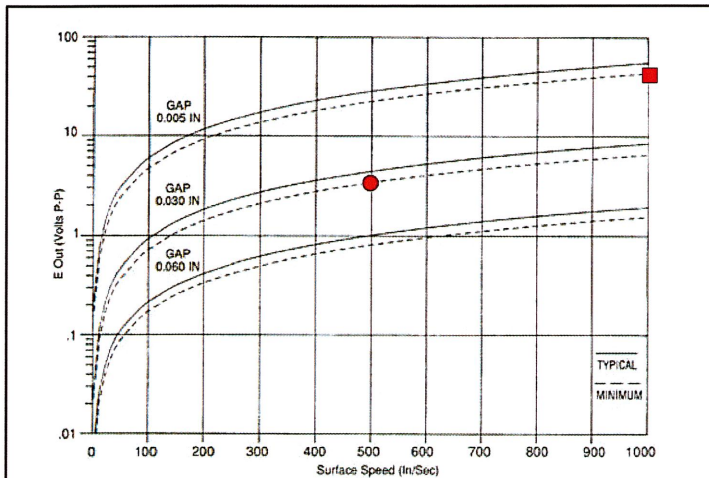
Specifications:

- Output Voltage (Standard): 120 V (P-P)
- Output Voltage (Guarantee Point): 15.1 V (P-P)
- DC Resistance: 250 ohms max.
- Typical Inductance: 40-60 mH ref.
- Output Polarity: White lead positive
- Operating Temperature: -30 to +85° C
- Cable Length: 10 ft (3.05 m)
- Net Weight: 5 oz. max.

Full Thread – General Purpose

Ordering Part #	Thread Length (A)
70085-1010-078	1.80 (45.72)
70085-1010-137	3.06 (77.72)

Performance Curves



Specifications:

- Output Voltage (Standard): 40 V (P-P)
- Output Voltage (Guarantee Point): 3.4 V (P-P)
- DC Resistance: 130 ohms max.
- Typical Inductance: 33 mH ref.
- Output Polarity: white lead positive
- Operating Temperature: -55 to +107° C
- Lead Length: -078, 12 in (30.5 cm)
- 137, 24 in (60.9 cm)
- Net Weight: 3 oz. max.

Dimensions in inches and (mm).

Passive Speed Sensors

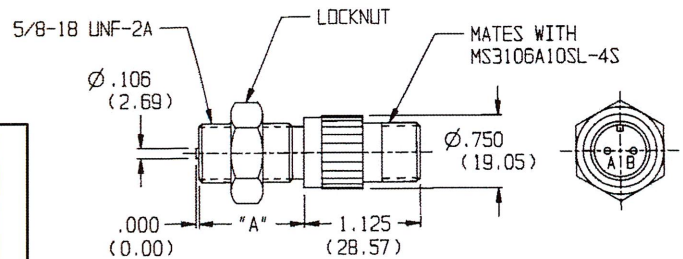
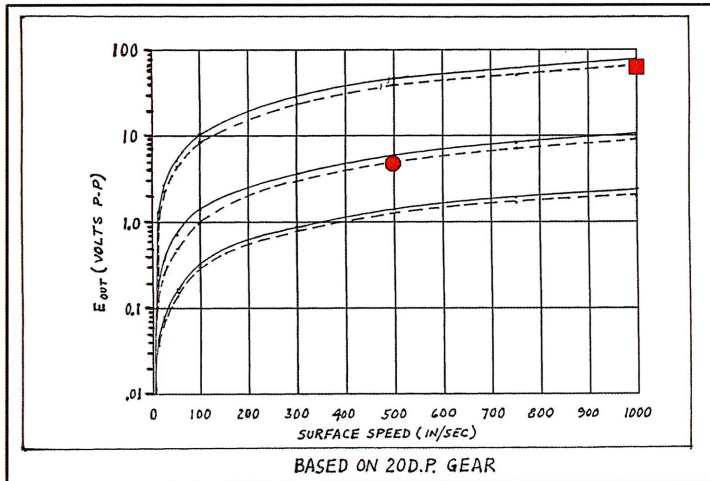
5/8 - 18 FAMILY

Molded

Ordering Part #	Thread Length (A)
70085-1010-421	2.475 (62.87)
70085-1010-425	3.000 (76.20)* M16 x 1.5 Thd.
70085-1010-424	4.493 (114.12)

(Select cable from group "A", see index)

Performance Curves **



Specifications:

- Output Voltage (Standard): 63 V (P-P)
- Output Voltage (Guarantee Point): 4.9V (P-P)
- DC Resistance: 250 ohms max.
- Typical Inductance: 63 mH ref.
- Output Polarity: Pin 'B' positive
- Operating Temperature: -55 to +107° C
- Net Weight: 5 oz. max.

Dimensions in inches and (mm).

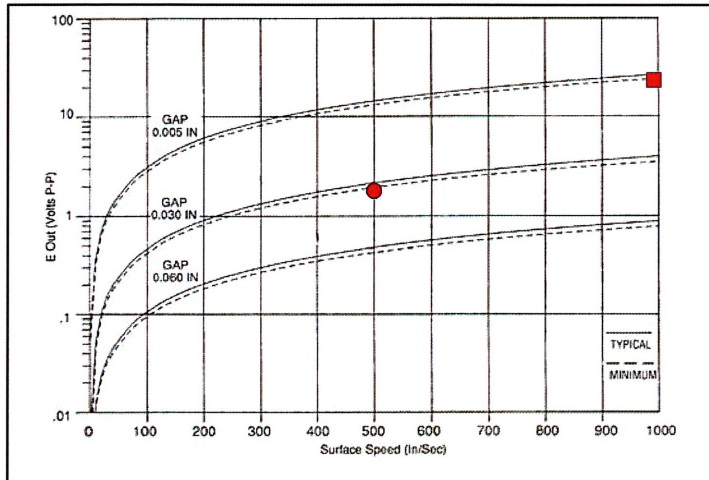
Passive Speed Sensors

3/8 - 24 FAMILY

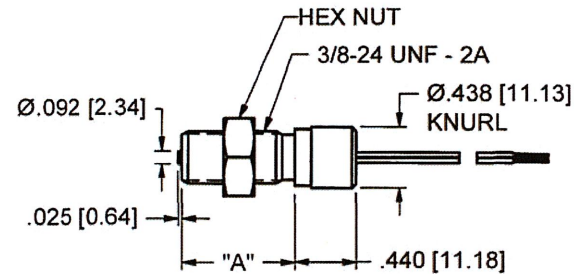
General Purpose - High Temperature

Ordering Part #	Thread Length (A)	
70085-1010-041	.812	(20.62)
70085-1010-428	1.500	(38.10)
70085-1010-458	3.625	(92.08)

Performance Curves



Based on 20 D.P. Gear



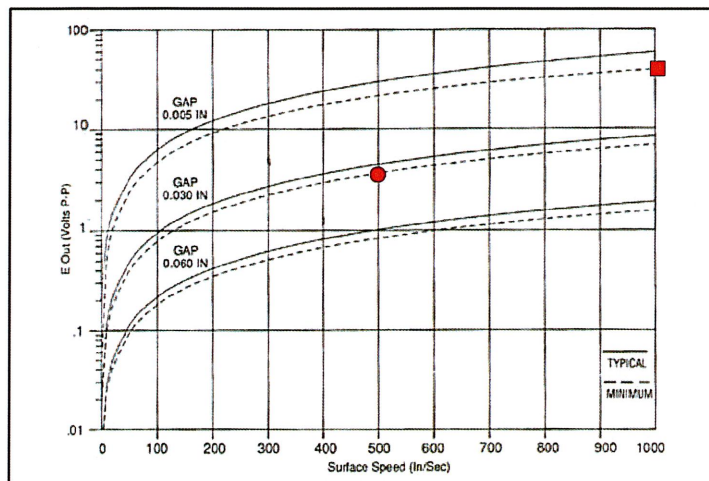
Specifications:

- Output Voltage (Standard): 24 V (P-P)
- Output Voltage (Guarantee Point): 2.0 V (P-P)
- DC Resistance: 125 ohms max.
- Typical Inductance: 21 mH ref.
- Output Polarity: White lead positive
- Operating Temperature: -73 to +232°C
- Lead Length: 40 in (1 m)
- Net Weight: 2 oz. max.

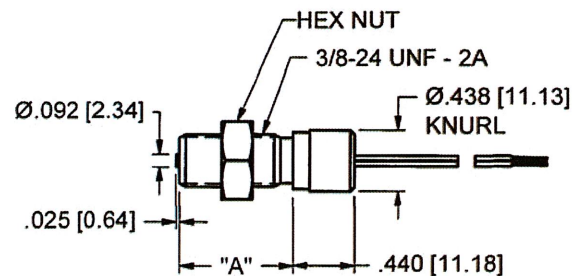
High Sensitivity - High Temperature

Ordering Part #	Thread Length (A)	
70085-1010-174	.812	(20.62)

Performance Curves



Based on 20 D.P. Gear



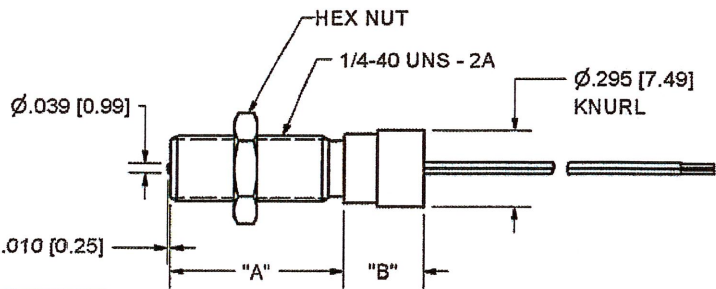
Specifications:

- Output Voltage (Standard): 55 V (P-P)
- Output Voltage (Guarantee Point): 3.6V (P-P)
- DC Resistance: 705 ohms max.
- Typical Inductance: 150 mH ref.
- Output Polarity: White lead positive
- Operating Temperature: -65 to +220°C
- Cable Length: 60 in (1.5 m)
- Net Weight: 2 oz. max.

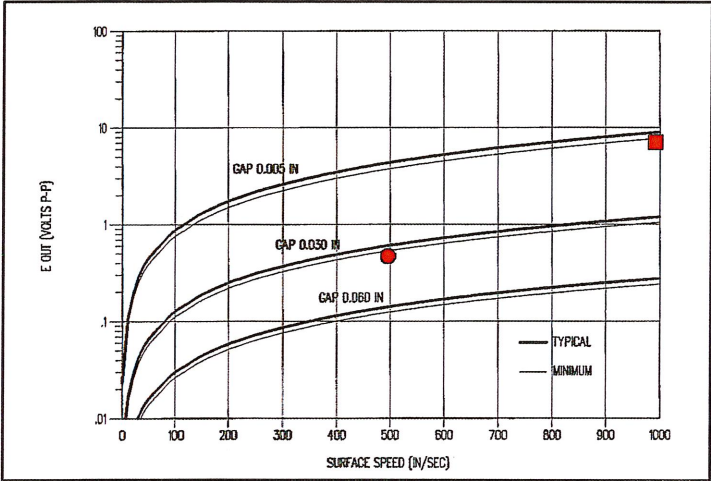
Dimensions in inches and (mm).

General Purpose - High Temperature

Ordering Part #	Thread	Length (A)	(B)
70085-1010-024	.687	(17.45)	.313 (7.95)
70085-1010-472 *	.687	(17.45)	.500 (12.70)
70085-1010-227	1.687	(42.85)	.313 (7.95)



Performance Curves



B based on 20 D.P. Gear

Specifications:

- Output Voltage (Standard): 6.8 V (P-P)
- Output Voltage (Guarantee Point): 0.4 V (P-P)
- DC Resistance: 125 ohms max.
- Typical Inductance: 5-12 mH ref.
- Output Polarity: White lead positive
- Operating Temperature: -73 to 232°C
- Lead Length: 8 in (20.3 cm)
- Cable Length: -472, 60 in (1.5 m) *
- Net Weight: 2 oz. max.

* Egress is a 2-conductor, AWG #26, shielded, Teflon cable, with 3" long shrink tubing over housing and cable for extra protection. Extra locknut provided.