
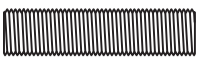








CASE TYPES	DESCRIPTION	A
	SMOOTH	0
	ALL THREAD	1
	HEX HEAD	2
	KNURL HEAD	3
	CONNECTOR HEAD	4
	WRENCH FLAT HEAD	5
	SMOOTH / THREAD	6
	WITH FLANGE	7

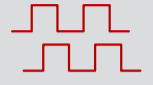
Target: Ferrous Material Gear Tooth with range o Min 4 to 32 Gear Pitch.

$$P = \frac{N + 2}{OD}$$

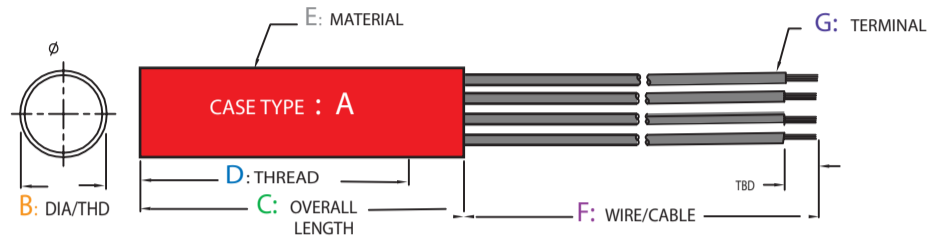
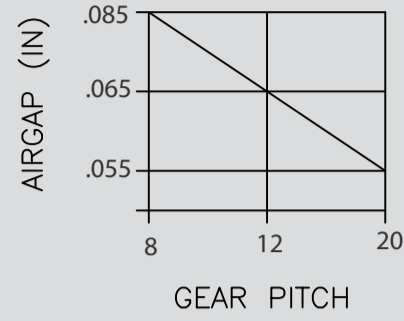
P = Gear Pitch
N = Num. of Teeth
OD = Outside Diameter

Frequency: 15 kHz Max

Output Type: Digital (Squar wave),TT compatible / Quadrature Phasing: 90 ° +/- 20 %



Gear Pitch vs. Airgap Graph



STANDARD PRODUCT LIST

Product P/N	MECHANICAL SPECIFICATIONS							ELECTRICAL SPECIFICATIONS						ENVIRONMENT
	A	B	C	D	E	F	G	INPUT Voltage (VDC)	INPUT Current (mA)	V Out High (VDC)	V Out Low (VDC)	OUTPUT Current (mA)	PULL-UP Resistor (K Ohm)	TEMPRETURE RANGE ° C
3/8" Diameter Series														
HQ130-200	1	3/8-24	1.50	1.50	303 S.S	18±.5	22 AWG,Tef.Cbl + Conn.	5.5 To 36	12	V input	0.6	20 Sink	Open	-25 To 125
HQ130-400	1	3/8-24	1.70	1.25	303 S.S	12±1	22 AWG,Tefzel Cable	4.5 To 24	12	V input	0.6	20 Sink	4.7	-25 To 100
HQ230-400	2	3/8-24	1.50	1.25	303 S.S	12±1.0	22 AWG,Tefzel Cable	4.5 To 24	12	V input	0.6	20 Sink	4.7	-25 To 125
5/8" Diameter Series														
HQ160-400	1	5/8-18	1.00	1.00	303 S.S	72±3	22 AWG, Tefzel Cbl	4.5 To 24	12	V input	0.6	20 Sink	4.7	-25 To 100
HQ360-400	3	5/8-18	2.72	2.14	303 S.S	120±3	22 AWG, Tefzel Cbl	4.5 To 24	12	V input	0.6	20 Sink	4.7	-25 To 100
HQ560-400	5	5/8-18	2.37	2.37	ALUM	12±.25	22 AWG, Tefzel Cbl	4.5 To 24	12	V input	0.6	20 Sink	4.7	-25 To 125
HQ560-410	5	5/8-18	2.37	2.37	303 S.S	180±3	22 AWG, Tefzel Cbl	4.5 To 24	12	V input	0.6	20 Sink	4.7	-25 To 100
3/4" Diameter Series														
HQ070-300	0	3/4	2.00	-	303 S.S	12±.25	24 AWG, Lead Wire	4.5 To 24	12	V input	0.6	20 Sink	4.7	-40 To 100
HQ270-400	2	3/4-16	2.30	1.87	Alum.	72±3	22 AWG, Tefzel Cbl	4.5 To 24	12	V input	0.6	20 Sink	4.7	-40 To 100
M18" Diameter Series														
* HQ518-200	5	M18x1.0	2.00	1.75	303 S.S	6±1	22 AWG, Tef. Cbl/Conn	5.0 To 36	12	V input	0.6	20 Sink	Open	-25 To 100
HQ518-400	5	M18x1.5	2.14	1.89	303 S.S	36±3	22 AWG, Tefzel Cbl	4.5 To 24	12	V input	0.6	20 Sink	4.7	-25 To 100
HQ518-410	5	M18x1.5	2.14	1.89	303 S.S	12±.25	22 AWG, Tefzel Cbl	5.5 To 36	12	5.0	0.6	30 Source	4.7	-25 To 125
* HQ518-420	5	M18x1.0	2.00	1.75	303 S.S	6±1	22 AWG, Tefzel Cbl	5.0 To 36	12	V input	0.6	20 Sink	Open	-25 To 100

NOTE: ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED
* SEALED FRONT