
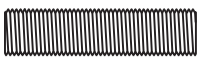








CASE TYPES	DESCRIPTION	A
	SMOOTH	0
	ALL THREAD	1
	HEX HEAD	2
	KNURL HEAD	3
	CONNECTOR HEAD	4
	WRENCH FLAT HEAD	5
	SMOOTH / THREAD	6
	WITH FLANGE	7

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

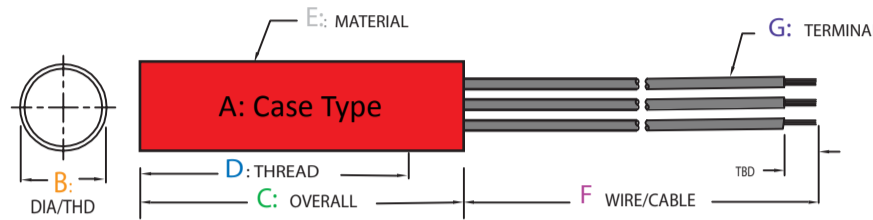
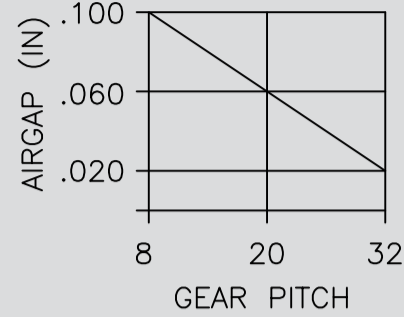
$$P = \frac{N + 2}{OD}$$

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

Frequency: 15 KHZ Max

Output Type: Digital (Squar wave),TT compatible / 

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
5/16" Diameter Series														
HS130-300	1	5/16-24	1.50	1.50	303 S.S	12±1.0	26 AWG, Lead Wire	4.5 To 24	10	V input	0.4	20 Sink	4.7	-25 To 80
HS130-400	1	5/16-24	1.50	1.50	303 S.S	12±.50	22 AWG, Teflon Cbl	4.5 To 24	10	V input	0.4	20 Sink	4.7	-20 To 150
3/8" Diameter Series														
HS030-300	0	3/8	1.40	-	Alum.	6±.25	26 AWG, Lead Wire	4.5 To 24	10	V input	0.4	15 Sink	2.0	
HS030-400	0	3/8	2.50	-	Alum.	12±.50	22 AWG,PVC Cbl	4.5 To 24	10	V input	0.4	15 Sink	2.0	
HS230-400	2	3/8-24	1.48	1.25	303 S.S	36±3.0	22 AWG,PVC Cbl	4.5 To 24	10	V input	0.4	20 Sink	4.7	-20 To 105
HS230-410	2	3/8-24	1.48	1.25	303 S.S	36±3.0	22 AWG,Tef. Cbl	4.5 To 24	10	V input	0.4	20 Sink	4.7	-20 To 125
* HS230-420	2	3/8-24	1.50	1.25	303 S.S	36±3.0	22 AWG,Tef. Cbl	4.5 To 24	10	V input	0.4	20 Sink	4.7	-20 To 150
* HS230-430	2	3/8-24	1.50	1.25	303 S.S	12±0.5	28 AWG,Tef. Cbl	4.5 To 24	10	V input	0.4	20 Sink	4.7	-20 To 150
* HS530-200	5	3/8-24	2.70	2.25	303 S.S	36±3.0	22 AWG,PVC Cbl / Con	4.5 To 24	10	V input	0.4	20 Sink	OPEN	-20 To 85
HS530-400	5	3/8-24	1.25		303 S.S	36±3.0	28 AWG,Tef. Cbl	4.5 To 24	10	V input	0.4	20 Sink	4.7	-20 To 85
15/32" Diameter Series														
HS140-300	1	15/32 32	1.00	1.00	303 S.S	12±.50	26 AWG, Lead Wire	4.5 To 24	10	V input	0.6	20 Sink	4.7	-20 To 105
HS140-400	1	15/32-32	1.00	1.00	303 S.S	12±.50	22 AWG, PVC Cbl	4.5 To 24	10	V input	0.6	20 Sink	4.7	-20 To 105
7/16" Diameter Series														
HS140-410	1	7/16-20	1.50	1.50	303 S.S	24±1.0	22 AWG, PVC Cbl	4.5 To 24	10	V input	0.6	25 Sink	Open	-40 To 105
1/2" Diameter Series														
HS050-300	0	1/2	1.11	-	Alum.	8.0±.25	26 AWG, PVC Wire	4.5 To 18	10	V input	0.4	15 Sink	2.0	-25 To 100
HS050-400	0	1/2	1.00	-	303 S.S	36±1.0	22 AWG, PVC Cbl	4.5 To 18	10	V input	0.4	25 Sink	2.0	-40 To 105
HS150-400	1	1/2-32	1.25	1.25	303 S.S	9±1.0	22 AWG, PVC Cbl	4.5 To 18	10	V input	0.4	25 Sink	2.0	-40 To 105
* HS150-410	1	1/2-20	2.56	2.56	303 S.S	24±0.5	22 AWG, Tef. Cbl	4.5 To 24	10	V input	0.6	20 Sink	4.7	-40 To 150
* HS750-400	7	35 /64	1.37	-	Plastic	12±1.0	22 AWG, Tef. Cbl	4.5 To 24	10	V input	0.4	25 Sink	4.7	-40 To 125
5/8" Diameter Series														
* HS160-120	1	5/8-18	6.00	6.00	303 S.S	4.0±.50	18 AWG, w/ Conn.	4.5 To 24	12	V input	0.6	20 Sink	4.7	-25 To 125
* HS160-400	1	5/8-18	6.00	6.00	303 S.S	120±1.0	22 AWG, PVC Cbl	4.5 To 24	10	V input	0.4	25 Sink	4.7	-25 To 125
HS360-400	3	5/8-18	2.72	2.14	303 S.S	72±2.0	22 AWG, PVC Cbl	4.5 To 24	10	V input	0.4	25 Sink	4.7	-25 To 125
HS360-410	3	5/8-18	2.50	2.00	303 S.S	36±1.0	22 AWG, Tef. Cbl	4.5 To 24	10	V input	0.6	20 Sink	4.7	-25 To 125
HS460-000	4	5/8-18	3.27	2.14	303 S.S	-	MS3106 Connector	4.5 To 24	10	V input	0.6	20 Sink	4.7	-25 To 125
HS460-010	4	5/8-18	5.13	4.00	303 S.S	-	MS3106 Connector	4.5 To 24	10	V input	0.6	20 Sink	4.7	-25 To 125
HS460-020	4	5/8-18	2.33	1.20	303 S.S	-	MS3106 Connector	4.5 To 24	10	V input	0.6	20 Sink	4.7	-25 To 125
3/4" Diameter Series														
HS270-200	2	3/4-16	4.00	3.37	303 S.S	12±1.0	22 AWG, PVC Cbl/Con.	5.5 To 36	12	V input	0.4	20 Sink	4.7	-40 To 105
HS270-400	2	3/4-16	2.34	2.00	303 S.S	120±1.0	22 AWG, PVC Cbl	4.5 To 24	10	V input	0.6	25 Sink	Open	-40 To 105
HS270-410	2	3/4-16	4.00	3.66	Alum.	72±2.0	22 AWG, PVC Cbl	4.5 To 24	10	V input	0.6	20 Sink	4.7	-40 To 105
HS270-420	2	3/4-16	2.34	2.00	Alum.	36±1.0	22 AWG, PVC Cbl	4.5 To 24	10	V input	0.6	20 Sink	4.7	-40 To 105
HS270-430	2	3/4-16	2.30	1.87	Alum.	8±1.0	22 AWG, PVC Cbl	4.5 To 24	10	V input	0.4	20 Sink	4.7	-20 To 100
M12" Diameter Series														
HS312-300	3	M12x1	2.56	1.8	303 S.S	12±.50	26 AWG, PVC L W.	4.5 To 24	10	V input	0.6	20 Sink	4.7	-40 To 100
HS312-400	3	M12x1	2.56	1.8	303 S.S	24±.1.0	22 AWG, PVC Cbl	4.5 To 24	10	V input	0.6	20 Sink	4.7	-40 To 100
M18" Diameter Series														
* HS218-400	2	M18x1.5	2.60	0.980	303 S.S	48±1.0	22 AWG, Tef. Cbl.	4.5 To 24	10	V input	0.6	20 Sink	4.7	-30 To 140

NOTE: ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED

* SEALED FRONT

** EMC Protection Included