JORAL
INNOVATIVE SENSING SOLUTIONS

Linear Position Sensors *(IP69K)*
Incremental or absolute non-contact linear
LP30 Dimensions & General Pin-outs
Linear Position ; LP30 / FLIER   *Joral REF S3; I2 / 3*

LINEAR POSITION
SENSORS *(IP69K)*

LP30 DIMENSIONS & GENERAL PIN OUTS   *DIMENSIONS 1 OF 2*

30MM x 1.5 NUTS.
STAINLESS STEEL
2 SUPPLIED.

THREAD M30x1.5

SENSOR FACE

.200
[5.08]
TYP.

1.41
[35.9]

1.63
[41.4]

.375 *
.031*
[9.53] *
[Ø.81]*

.25
[6.4]
TRACK HEIGHT

MAGNETIC TRACK
MOUNTING FACE
(FLANGES)

.63
[16.0]

1.20
[30.5]

1.76
[44.7]
TYP.

M12-5P OMITTED ON CABLE
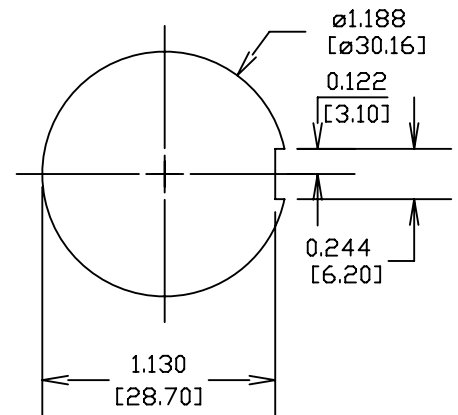& FLYING LEAD VERSIONS

MAGNET TRACK/SENSOR INSTALL NOTE:
SENSING WINDOW MAY BE SMALLER
DEPENDANT ON SENSOR MOUNT MATERIALS

MAGNETIC TRACK IS MOUNTED BY ITS FLANGES
USING VHB DOUBLE FACED ADHESIVE TAPE OR
POP RIVETS OR SCREWS (NOT SUPPLIED)

WHEN EXTENDING MAGNETIC TRACS THE TRACK
END FEATURES MUST BE NESTED
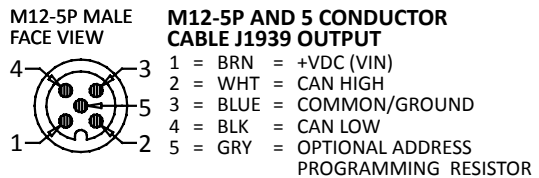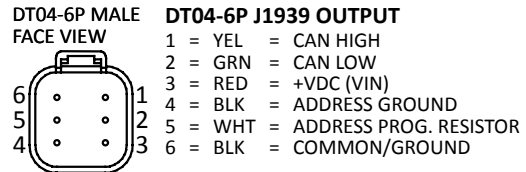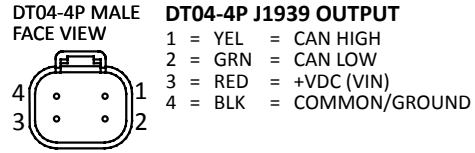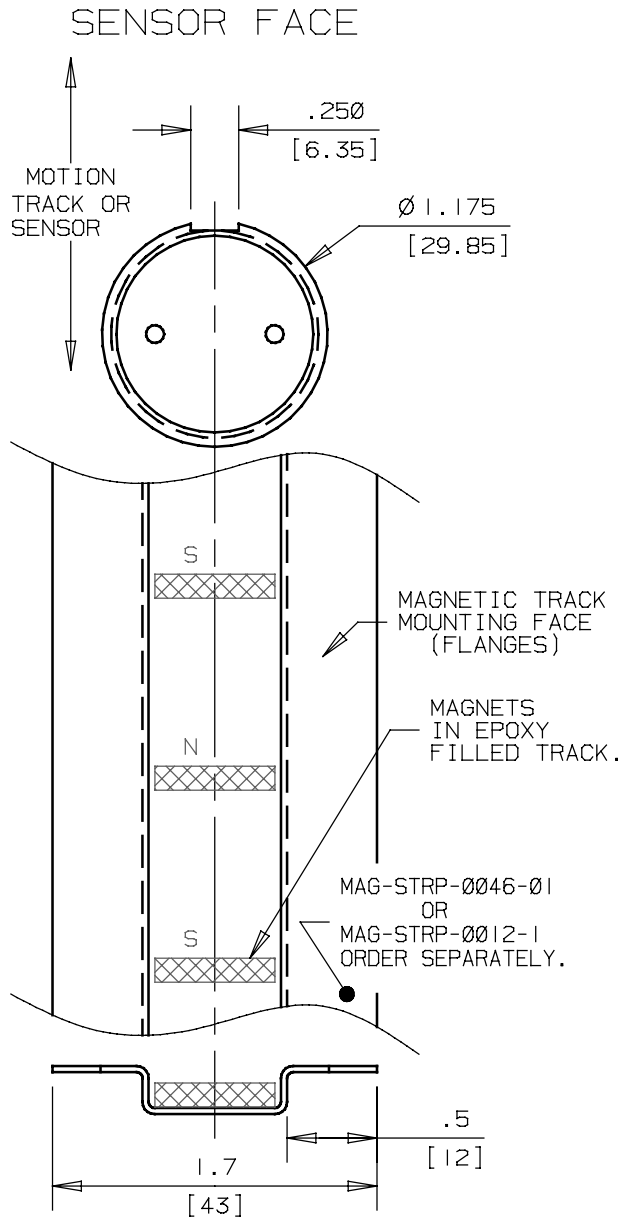
RECOMMENDED
MOUNTING HOLE

ø1.188
[ø30.16]

0.122
[3.10]

0.244
[6.20]

1.130
[28.70]

PINOUTS ON DIMENSIONS PAGE 2 OF 2

Dimensions informative only
For most recent dimensions please consult factory

Linear Position Sensors *(IP69K)*
Incremental or absolute non-contact linear
LP30 Dimensions & General Pin-outs
Linear Position ; LP30 / FLIER   *Joral REF S3; I2 / 4*

LINEAR POSITION
SENSORS *(IP69K)*

LP30 DIMENSIONS & GENERAL PIN OUTS   *DIMENSIONS 2 OF 2*

SENSOR FACE

MOTION TRACK OR SENSOR

.250 [6.35]

Ø 1.175 [29.85]

S

MAGNETIC TRACK MOUNTING FACE (FLANGES)

N

MAGNETS IN EPOXY FILLED TRACK.

S

MAG-STRP-0046-01 OR MAG-STRP-0012-1 ORDER SEPARATELY.

1.7 [43]   .5 [12]

DT04-4P MALE FACE VIEW

DT04-4P J1939 OUTPUT
1 = YEL = CAN HIGH
2 = GRN = CAN LOW
3 = RED = +VDC (VIN)
4 = BLK = COMMON/GROUND

DT04-6P MALE FACE VIEW

DT04-6P J1939 OUTPUT
1 = YEL = CAN HIGH
2 = GRN = CAN LOW
3 = RED = +VDC (VIN)
4 = BLK = ADDRESS GROUND
5 = WHT = ADDRESS PROG. RESISTOR
6 = BLK = COMMON/GROUND

M12-5P MALE FACE VIEW

M12-5P AND 5 CONDUCTOR CABLE J1939 OUTPUT
1 = BRN = +VDC (VIN)
2 = WHT = CAN HIGH
3 = BLUE = COMMON/GROUND
4 = BLK = CAN LOW
5 = GRY = OPTIONAL ADDRESS PROGRAMMING RESISTOR

MAGNET TRACK/SENSOR INSTALL NOTE:
SENSING WINDOW MAY BE SMALLER DEPENDANT ON SENSOR MOUNT MATERIALS

MAGNETIC TRACK IS MOUNTED BY ITS FLANGES USING VHB DOUBLE FACED ADHESIVE TAPE OR POP RIVETS OR SCREWS (NOT SUPPLIED)

WHEN EXTENDING MAGNETIC TRACS THE TRACK END FEATURES MUST BE NESTED

Dimensions informative only
For most recent dimensions please consult factory