

ANALOGUE ANNULAR TORQUE TRANSDUCER

DESCRIPTION

The AWS Analogue Annular Torque Transducer range (AATT), is designed to accurately measure torque values, in a variety of industries. They function either as a reaction torque transducer taking the reaction torque through the transducer, or with additional drive plates, attached to the flanges, convert them to direct drive inline transducers.

With optimised torque ranges, the transducer uses a standard analogue connection through a male MIL C connector, from a full active Wheatstone bridge, outputting a mV reading.

SPECIFICATIONS

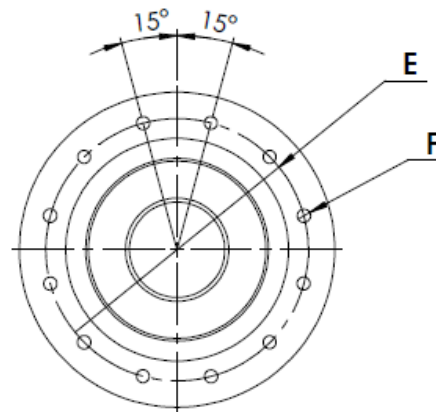
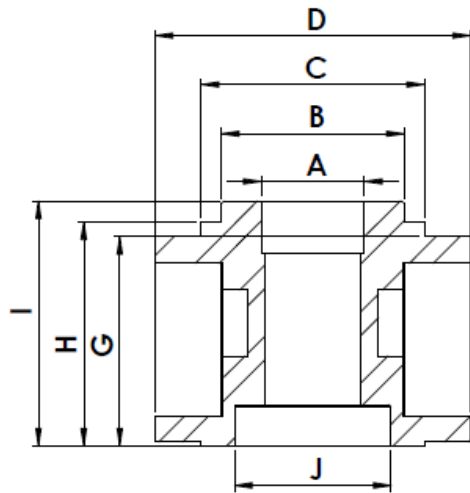
Model: AATT-	2029	2030	2031	2032	2033	2034	2035	2046	2036	2037
Ranges (kNm):	2	3	5	10	20	50	100	120	200	300

Accuracy:	Better than 0.1% of reading from 10 to 100% of rated output. See calibration certificate for full results.
Signal Output	2mv/v Strain gauged bridge
Power and Display:	Requires a stable DC power supply and mV reading meter.
Overload capability:	125%
Bridge Impedance	350Ω
Max Voltage and Current Requirement	10V 30mA DC
Maximum mechanical overload:	160% of range stated.
Operating Temperature:	-10°C to +50°C.
Temperature coefficient:	On Zero: 0.01% per °C On Span: 0.03% per °C
Connector:	Mil C 26482 series. 6 pin. Shell size 10.
CE:	2014/30/EU
EMC:	BS EN 61326:2013

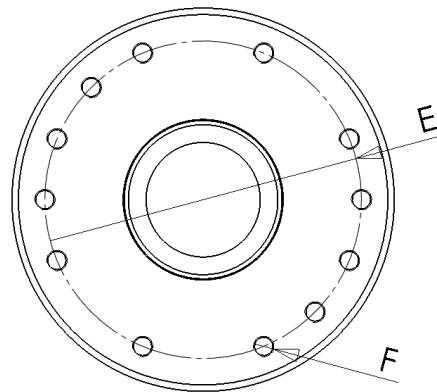
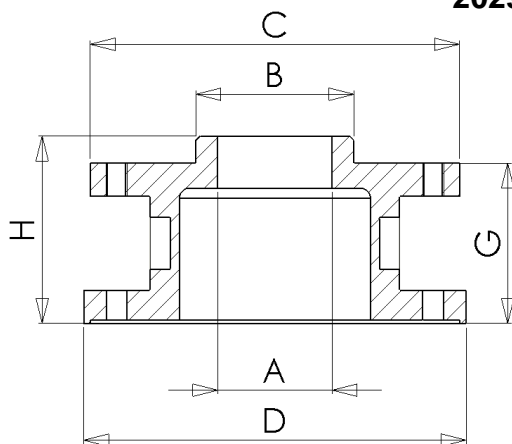


DIMENSIONS

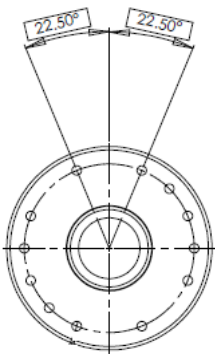
Dim (mm)	2029/2030	2031	2032	2033	2034	2035	2046	2036	2037
A	39	55	55	70	125	125	125	205	205
B	69	76	76	95	219.92	219.92	219.92	239.92	239.92
C	84.1	177.8	177.8	212	315	315	315	520	520
D	119	184	184	212	315	315	315	520	520
E	99.06	152.4	152.4	195	290	290	290	492	492
F	M5X0.8	M10X1.5	M10X1.5	M10X1.5	M16X2.0	M16X2.0	M16X2.0	M16X2.0	M16X2.0
G	79	77	77	97	126	126	126	130	130
H	84.5	90	90	76	110	110	110	146	146
I	92.5	-	-	-	-	-	-	-	-
J	59	-	-	-	-	-	-	-	-
No. Bolts	24	24	24	24	40	40	40	68	68



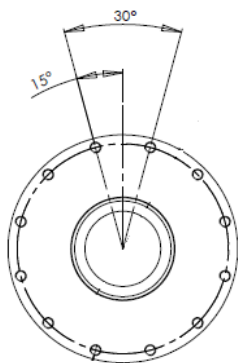
2029 AND 2030



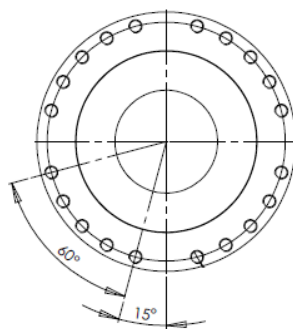
2031 AND ABOVE



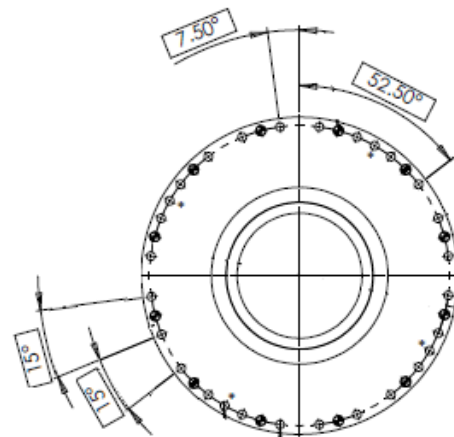
2031 & 2032



2033



2034, 2035 & 2046



2036 & 2037

Advanced Witness Systems Ltd © 2025

MANUFACTURER INFORMATION

Advanced Witness Systems Ltd
 Unit 8
 Beaumont Business Centre
 Beaumont Close
 Banbury
 OX16 1TN
 Tel: +44 (0)1295 266939
 Email: sales@awstorque.co.uk

SUPPLIER INFORMATION