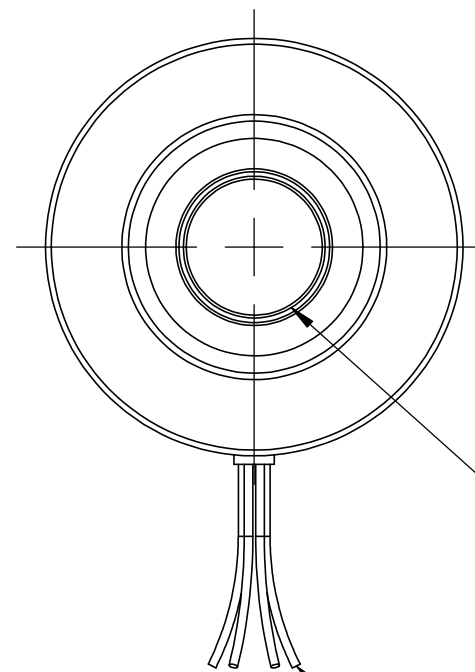
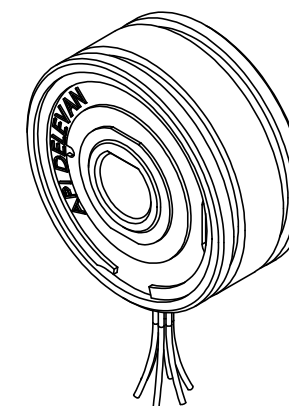


PILOT 700 SHOWN
SEE SHEET TWO AND THREE
FOR OTHER OPTIONS



SEE SHEET TWO
FOR BORE SIZES

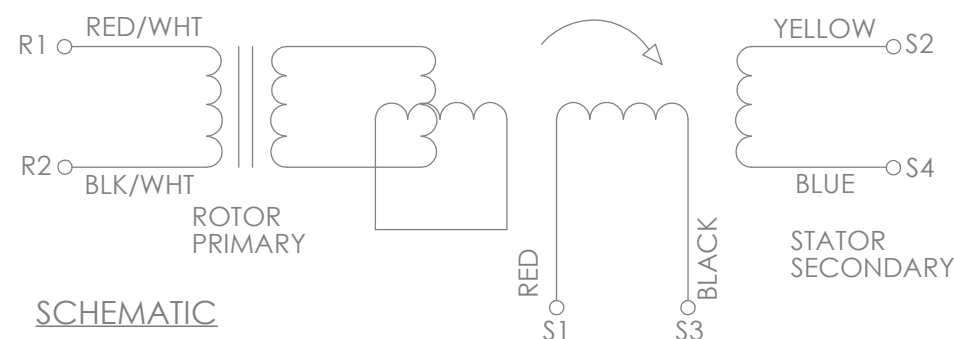
SEE SHEET TWO
FOR LEAD OPTIONS



NOTES:

1. ROTOR & STATOR ARE A MATCHED PAIR. DO NOT INTERCHANGE ROTOR OR STATOR BETWEEN RESOLVERS.
2. ROTOR AND STATOR TO BE AXIALLY ALIGNED TO DATUM "B" ± .015.
3. CUSTOMER MUST MAINTAIN SHAFT RUNOUT WITH RESPECT TO DATUM 'A' WITHIN .003 T.I.R.

SHEMATIC



SHEMATIC

PHASING EQUATION

INCREASING ANGLE
FOR CW ROTATION OF ROTOR
FACING MOUNTING END.

$$E(S1-S3) = KE(R1-R2) \sin \theta$$

$$E(S2-S4) = -KE(R1-R2) \cos \theta$$

**PART, ASSEMBLY AND ALL COMPONENTS
MEET EU ROHS DIRECTIVE**

<p>THIRD ANGLE PROJECTION</p>	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES [mm] DIAMETERS CONCENTRIC .003 [.076] TIR FACES PERPENDICULAR -.003 [.076] INSIDE CORNERS R .015 [.381] MAX INTERPRETATION PER ASME Y14.5M-1994		UNLESS OTHERWISE SPECIFIED: REMOVE ALL BURRS AND BREAK SHARP EDGES -.005/.010 [.127/.254]		<p>API Delevan</p> <p>15BRX</p>
	MATERIAL	MACHINE SURFACES $\sqrt{63}$		APPROVALS	
FINISH	CHECKED		DES ENG	SIZE DWG. NO.	
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF API DELEVAN. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF HAROWE IS PROHIBITED.		SCALE		SHEET 1 OF 3	CODE IDENT: 99800

REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	CHECKED
-	-	NEW DRAWING			

NUMBERING

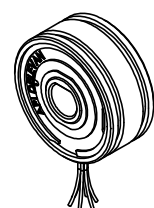
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SIZE
15

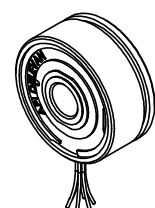
STYLE OF RESOLVER:
FRAMELESS, NEW GEN

PILOT NUMBER	STYLE	WINDING NUMBER	Vrms	KHz	ma Arms	Tr	SPEED	ACCURACY ±arcmin	BORE LETTER	BORE	"B" DIAMETER	CABLE DESIGNATION	CABLE	LEAD	LENGTH
												700	SINGLE GROOVE, Ø1.449[36.80], RADIAL LEADS	002	2
702	DOUBLE GROOVE, Ø1.449[36.80] RADIAL LEADS	004	8	8	50	.50	1	16	P	3/8 W/FLAT	.375/.376 [9.53/9.55] W/FLAT .635[16.13]AOL	06	28 AWG 3 TWISTED PAIRS W/DRAIN	02	15 [381]
		006	4	5	45	.50	1	20				09	24 AWG 3 TWISTED PAIRS	03	24[609]
													11	22 AWG 4 TWISTED PAIRS W/SHIELDING	04
705	SINGLE GROOVE, Ø1.449[36.80] RADIAL LEADS								AX	12mm	12.00/12.027mm H8 16.0mm AOL	19	29 AWG SILIFLEX FLYING LEADS	05	80[2032]
708	FLANGE MOUNT Ø1417[36.00] RADIAL LEADS														

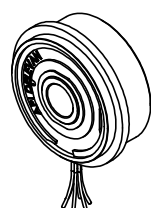
SEE SHEET 3 FOR DIMENSIONAL DIFFERENCES



PILOT 702



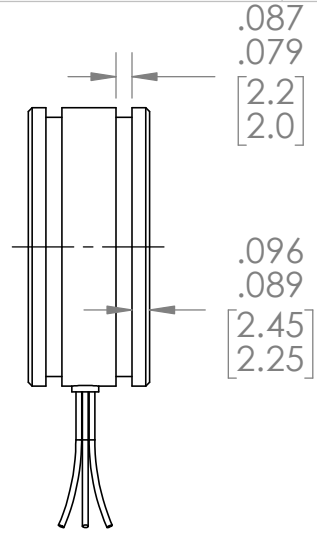
PILOT 705



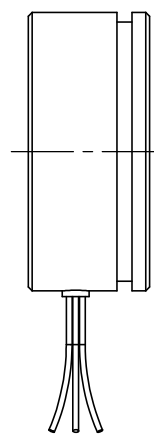
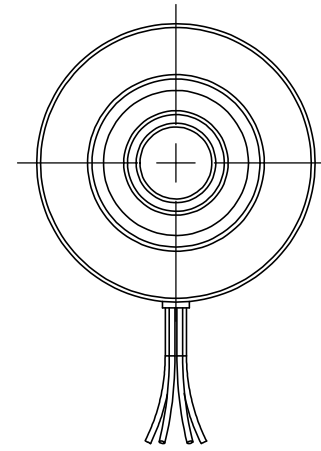
PILOT 708

<p>THIRD ANGLE PROJECTION</p>	<p>UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES [mm] DIAMETERS CONCENTRIC .003 [.076] TIR FACES PERPENDICULAR .003 [.076] INSIDE CORNERS R .015 [.381] MAX INTERPRETATION PER ASME Y14.5M-1994</p>	<p>UNLESS OTHERWISE SPECIFIED: REMOVE ALL BURRS AND BREAK SHARP EDGES -.005/.010</p> <p>TOLERANCES: DECIMAL .00±.01 [.254] .000 ±.005 [.127] ANGLE ±0.5° CHAMFER ANGLE ±10°</p>	<h2 style="margin: 0;">API Delevan</h2>	
			<h1 style="margin: 0;">15BRX</h1>	
MATERIAL	-	MACHINE SURFACES 63	APPROVALS	DATE
FINISH	-	CHECKED	-	-
		DES ENG	-	-
<p>THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF API DELEVAN. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF HAROWE IS PROHIBITED.</p>			SIZE B	DWG. NO.
			SCALE	SHEET 2 OF 3
			CODE IDENT: 58655	

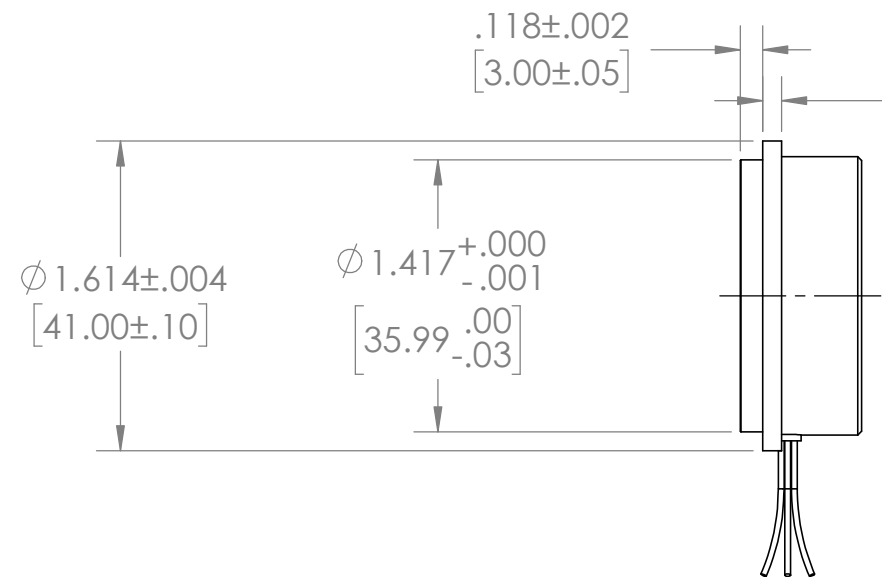
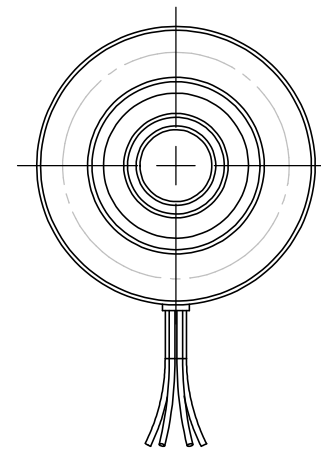
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	CHECKED
-	-	NEW DRAWING			



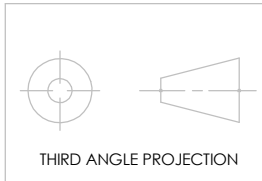
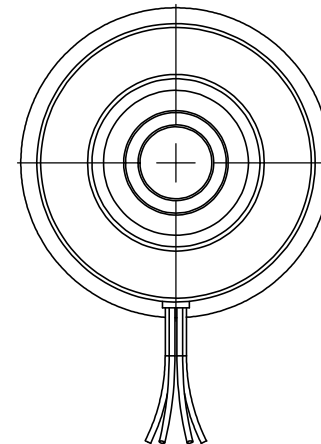
PILOT 702
DIMENSIONS
DIFFERENCES FROM 700



PILOT 705
DIMENSIONS
DIFFERENCES FROM 700



PILOT 708
DIMENSIONS
DIFFERENCES FROM 700



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UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES [mm] DIAMETERS CONCENTRIC .003 [.076] TIR FACES PERPENDICULAR - .003 [.076] INSIDE CORNERS R .015 [.381] MAX INTERPRETATION PER ASME Y14.5M-1994		UNLESS OTHERWISE SPECIFIED: REMOVE ALL BURRS AND BREAK SHARP EDGES - .005/.010	
MATERIAL	-	TOLERANCES: DECIMAL .00±.01 [.254] .000 ±.005 [.127] ANGLE ±0.5° CHAMFER ANGLE ±10°	MACHINE SURFACES 63
FINISH	-	APPROVALS	DATE
		DRAWN	-
		CHECKED	-
		DES ENG	-

API Delevan

15BRX

SIZE **B** DWG. NO. _____

SCALE _____ SHEET 3 OF 3 CODE IDENT: 58655