

ELECTRICAL OPTIONS/ SPECIFICATIONS

OUTPUT SUPPLY

0.5 TO 4.5V RATIOMETRIC 5V
SUPPLY CURRENT 12mA TYP. 20mA MAX.

CABLE: 0.2mm², O/A SCREEN, PUR JACKET – SUPPLIED WITH 50cm OR REQUIRED LENGTH IN cm (15000cm MAX).
STANDARD 3-CORE: JACKET Ø4mm BLACK e.g. 'L50'
OPTIONAL 5-CORE: JACKET Ø4.6mm BLUE e.g. 'LQ50'

CABLE/CONNECTOR* CONNECTIONS;

3 CORE	5 CORE	CONNECTOR	
RED	RED	:1	+Ve
-	ORG	:1	+SENSE (5-WIRE ONLY)
BLACK	BLACK	:3	0V
-	GRY	:3	-SENSE (5-WIRE ONLY)
WHITE	WHITE	:2	OUTPUT
SCREEN	SCREEN	:4	BODY

*CONNECTORS; MAXIMUM CONDUCTOR CROSS SECTION 0.75mm²
RANGE OF DISPLACEMENT FROM 0-5mm TO 0-800mm e.g.76, IN INCREMENTS OF 1mm.

BODY MATERIAL: STAINLESS STEEL.

NOTE:- READ INSTALLATION SHEET M100-19 FOR FULL INSTRUCTIONS FOR USE.

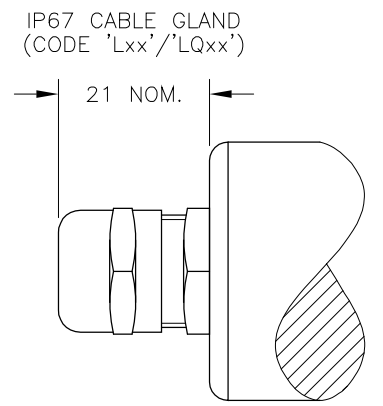
ATEX / IECEx APPROVED TO

III M1/1GD

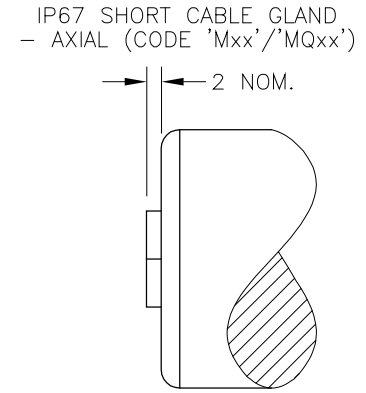
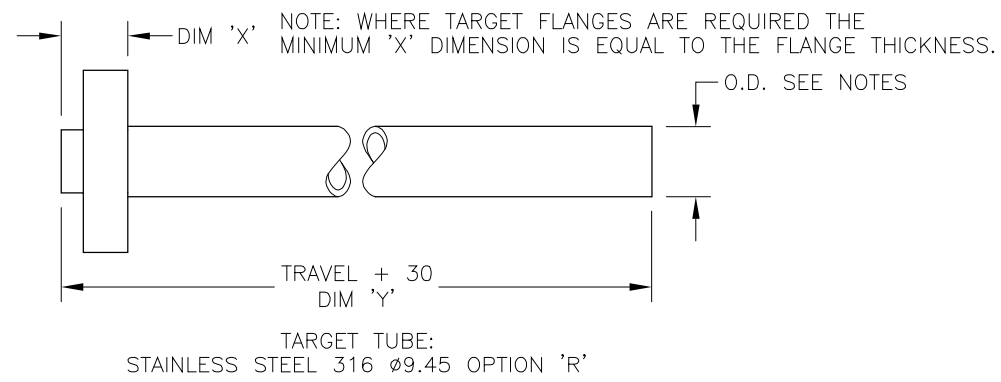
Ex ia IIC T4 Ga (Ta= -40° to +80°C)
Ex ia IIIC T135°C Da (Ta= -40° to +80°C)
Ex ia I Ma (Ta= -40° to +80°C)
Ui 11.4V, li 0.2A, Pi 0.51W

APPROVED FOR USE IN CONJUNCTION WITH A GALVANICALLY ISOLATED BARRIER.

NOTE: APPROVAL ONLY APPLIES AT NORMAL ATMOSPHERIC PRESSURE!



OPTION 'W' FLANGE ILLUSTRATED; SEE TG24-11 FOR DETAILS TO SPECIFY TARGET TUBES. SEE P100-12 FOR DETAILS TYPICAL TARGET TUBE MOUNTING ARRANGEMENTS



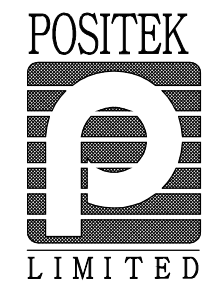
F	OPTION 'S' REMOVED - RAN1035.	PDM
G	RANGE WAS 20-600 RAN1056	RDS
H	TARGET NOTES AMENDED ~ RAN1114	PDM
J	5-CORE OPTION ADDED ~ RAN1102	PDM
K	OPTION 'M' ADDED ~ RAN1166, RANGE NOTE AMENDED ~ RAN1200	PDM
L	HEX. LENGTH 14 WAS 15 ~ RAN1160	PDM



DRAWINGS NOT TO BE CHANGED WITHOUT REFERENCE TO THE CHANGE PROCEDURE. CHANGES TO PARTS USED IN INTRINSICALLY SAFE PRODUCT MUST BE APPROVED BY THE AUTHORISED PERSON
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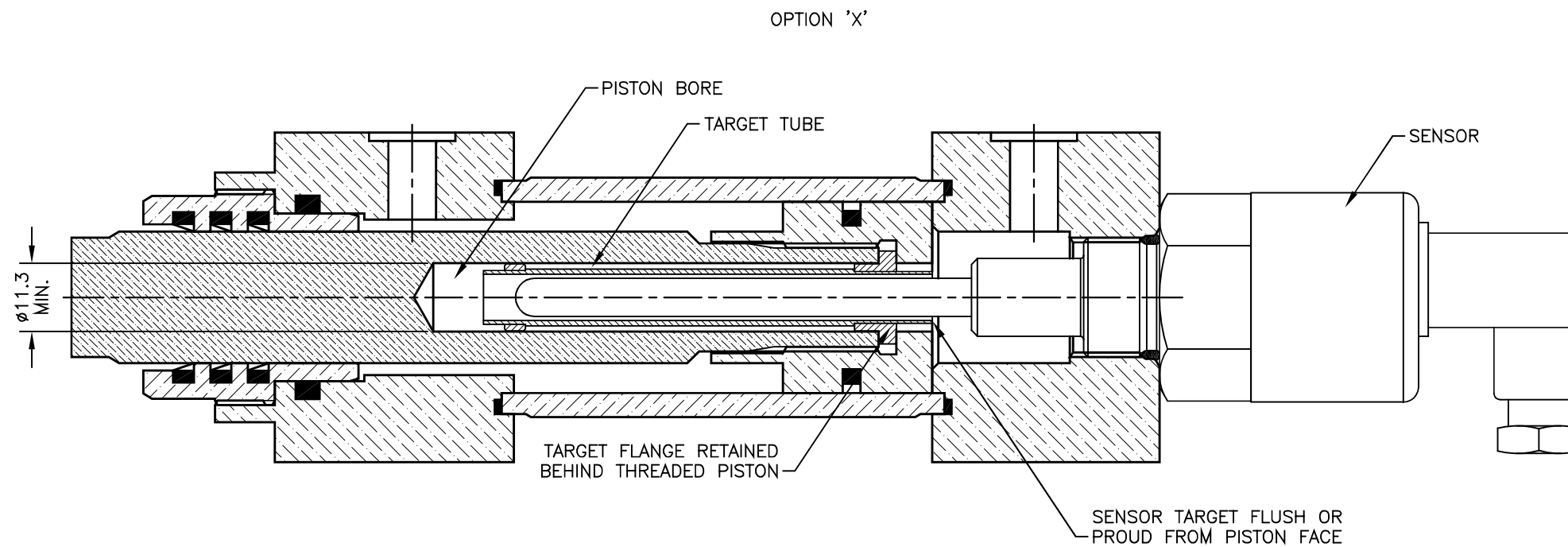
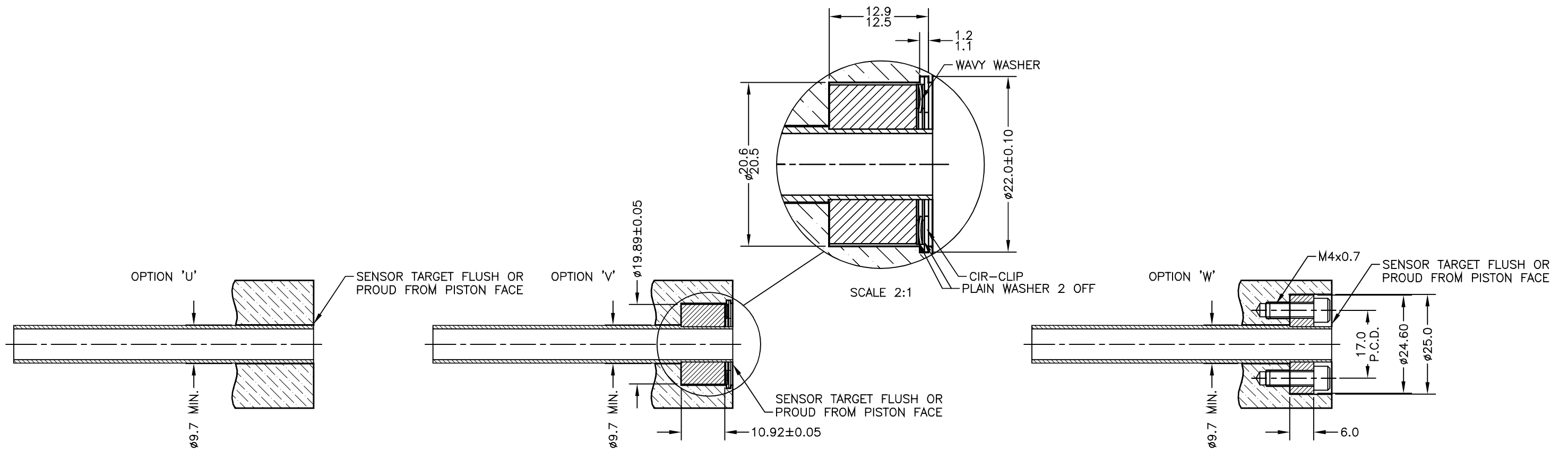
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F	29/06/15		CHECKED BY	X ±0.4
G	9/11/15		RDS	X.X ±0.2
H	18/10/16			X.XX ±0.1
				DIMS mm
J	05/04/17	DESCRIPTION		
K	29/08/17	M100 INTRINSICALLY SAFE		
L	11/10/17	CYLINDER LINEAR POSITION SENSOR		
SCALE 10mm		DRAWING NUMBER		M100-11 REV L
				SHEET 1 OF 1

SEE DRAWING TG24-11 FOR TARGET TUBE FLANGE OPTIONS 'V', 'W' & 'X'.

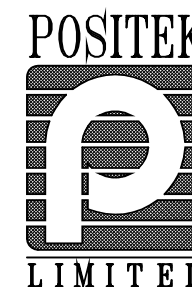


A	FIRST ISSUE.	RDS
B	REDRAWN.	PDM
C	WORDING AMMENDED	RDS

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A	28/06/95		CHECKED BY	X	±0.4
B	04/10/11		MAS	X.X	±0.2
C	26/10/17			X.XX	±0.1
DESCRIPTION					DIMS mm
TYPICAL TARGET TUBE FITTING OPTIONS					
SCALE 10mm			DRAWING NUMBER P100-12		REV C
10mm			SHEET 1 OF 1		

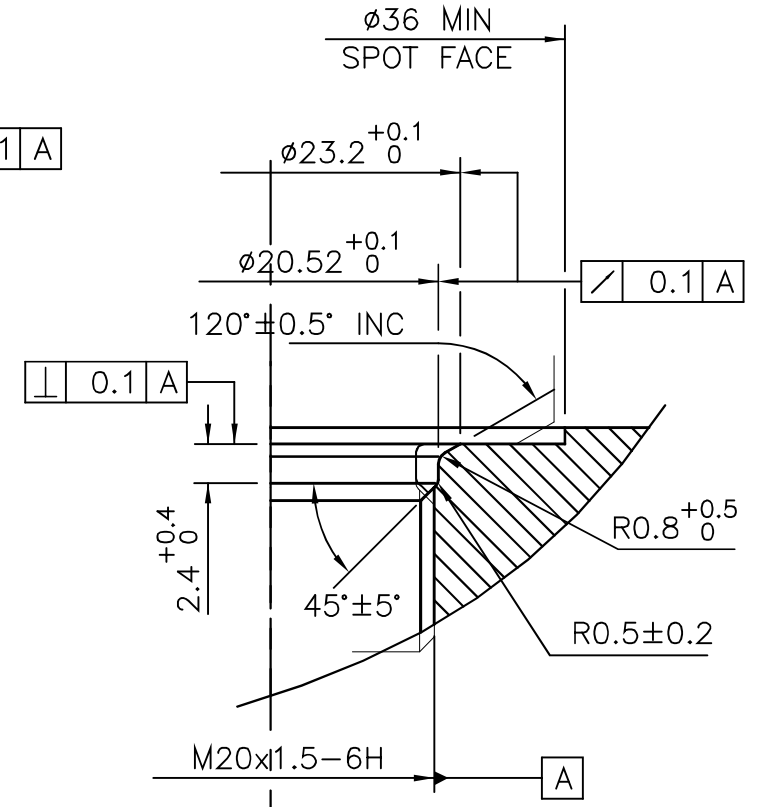
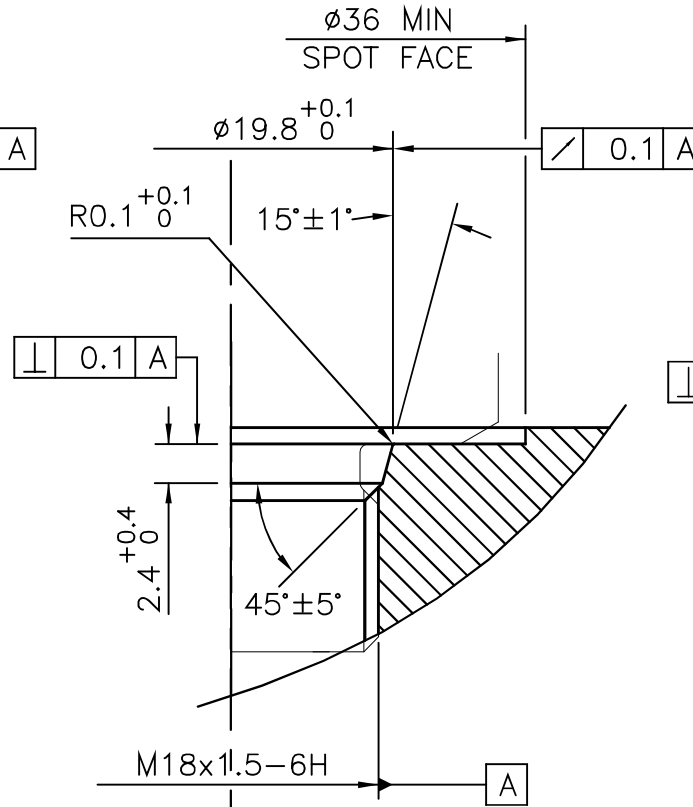
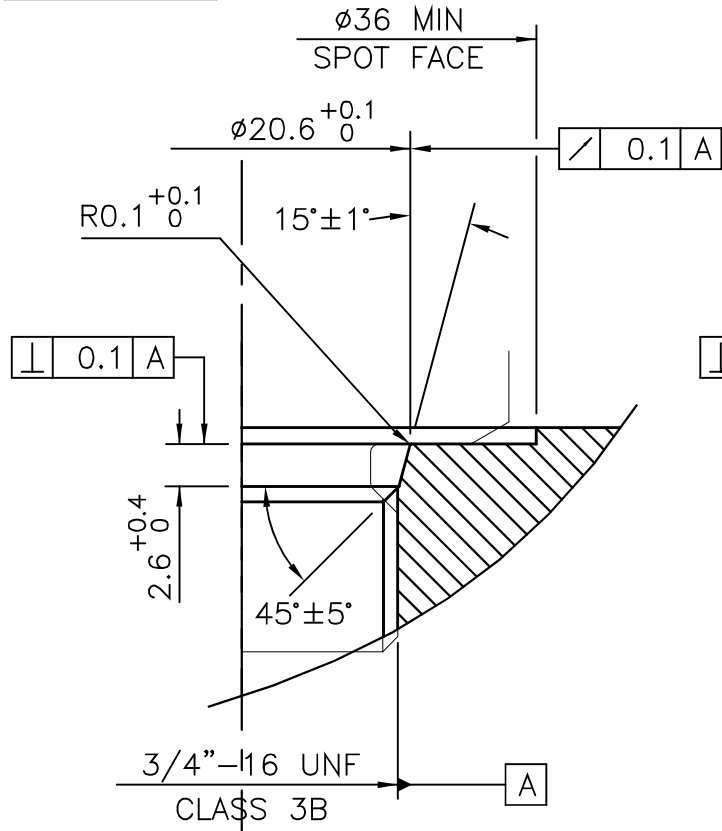
CHECKED
AT REV.

A

RDS

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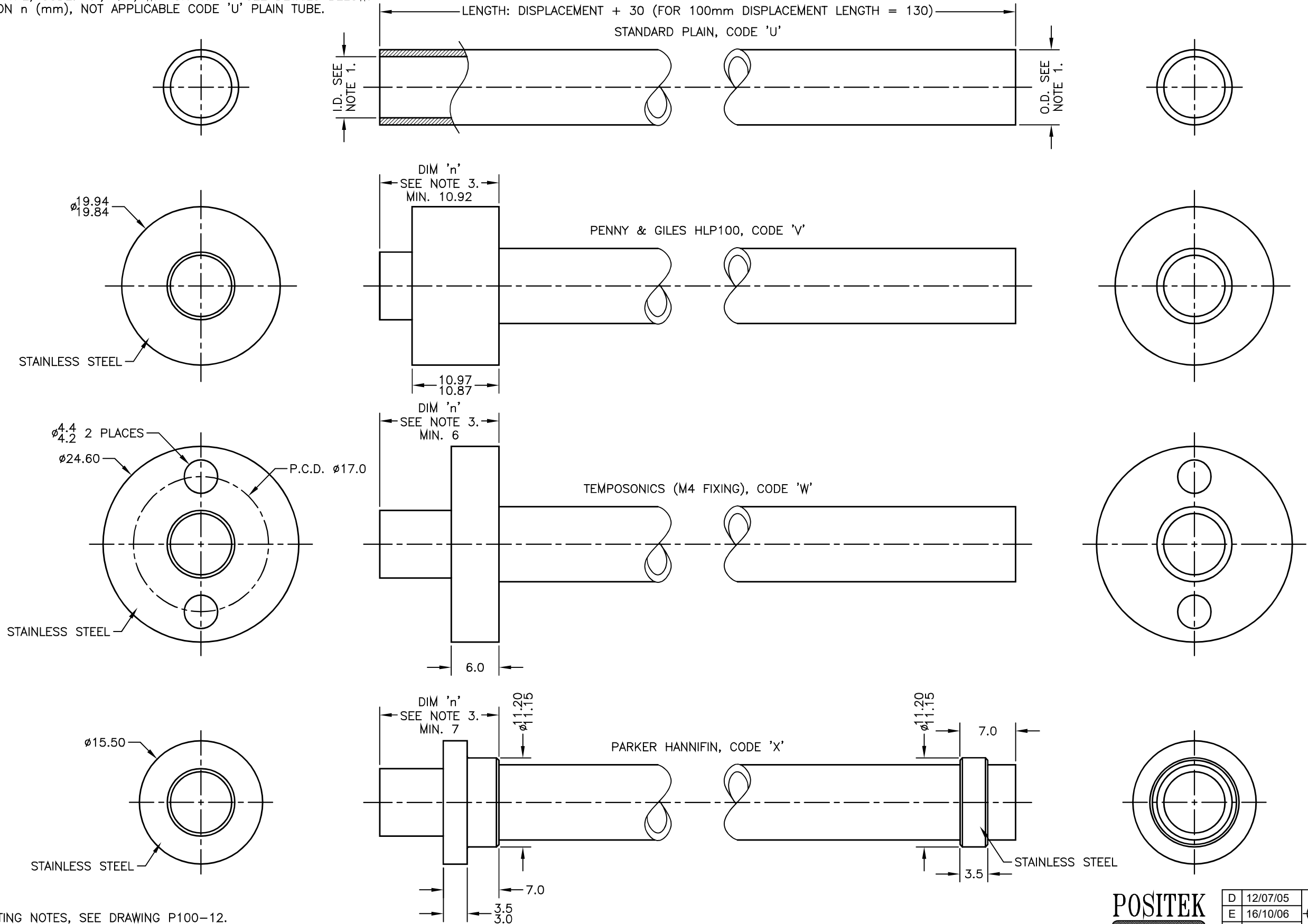
A	FIRST ISSUE	COH/DS
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A	29/01/95	MATERIAL	X ±0.4 X.X ±0.2 X.XX ±0.1 ALL DIMS mm
		SEE NOTE 1	
DESCRIPTION			
INSTALLATION DETAILS MOUNTING THREADS & SEALS			
SCALE	DRAWING NUMBER	P100-15 REV	A
5mm			
			SHEET 1 OF 1

TARGET TUBE OPTION NOTES:-

- SPECIFY TUBE MATERIAL; CODE:-
'R' STAINLESS STEEL 316 ϕ 9.45.
'S' ALUMINIUM 6063 ϕ 3/8" (9.2-9.8). NOTE! ONLY AVAILABLE WITH P100 OR P106 VERSIONS.
- SPECIFY FLANGE TYPE; CODE: 'U', 'Vn', 'Wn' OR 'Xn' ~ SEE DETAILS BELOW.
- SPECIFY DIMENSION n (mm), NOT APPLICABLE CODE 'U' PLAIN TUBE.



TARGET TUBE MOUNTING NOTES, SEE DRAWING P100-12.

D	MINIMUM 'X' DIMENSIONS ADDED	PDM
E	MATERIAL OPTION REMOVED.	PDM
F	MAT'L OPTION REINSTATED RAN221.	PDM
G	X DIM FOR PH FLANGE SHOWN RAN225	RDS
H	9.45 WAS 9.5 RAN396	RDS
J	REDRAWN, PH FLANGE ROTATED RAN507.	PDM
K	NOTE 1 AMENDED ~ RAN1114.	PDM

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POSITEK
P
LIMITED

D	12/07/05		CHECKED BY	X	±0.4
E	16/10/06		RDS	X.X	±0.2
F	24/09/08			X.XX	±0.1
					DIMS mm
G	13/11/08	DESCRIPTION			
H	11/12/12	TARGET TUBE AND FLANGE			
J	23/07/14	OPTIONS (LIPS 100/106)			
K	30/11/16				
SCALE		DRAWING NUMBER		REV	
5mm		TG24-11		K	
		SHEET		1	OF 1