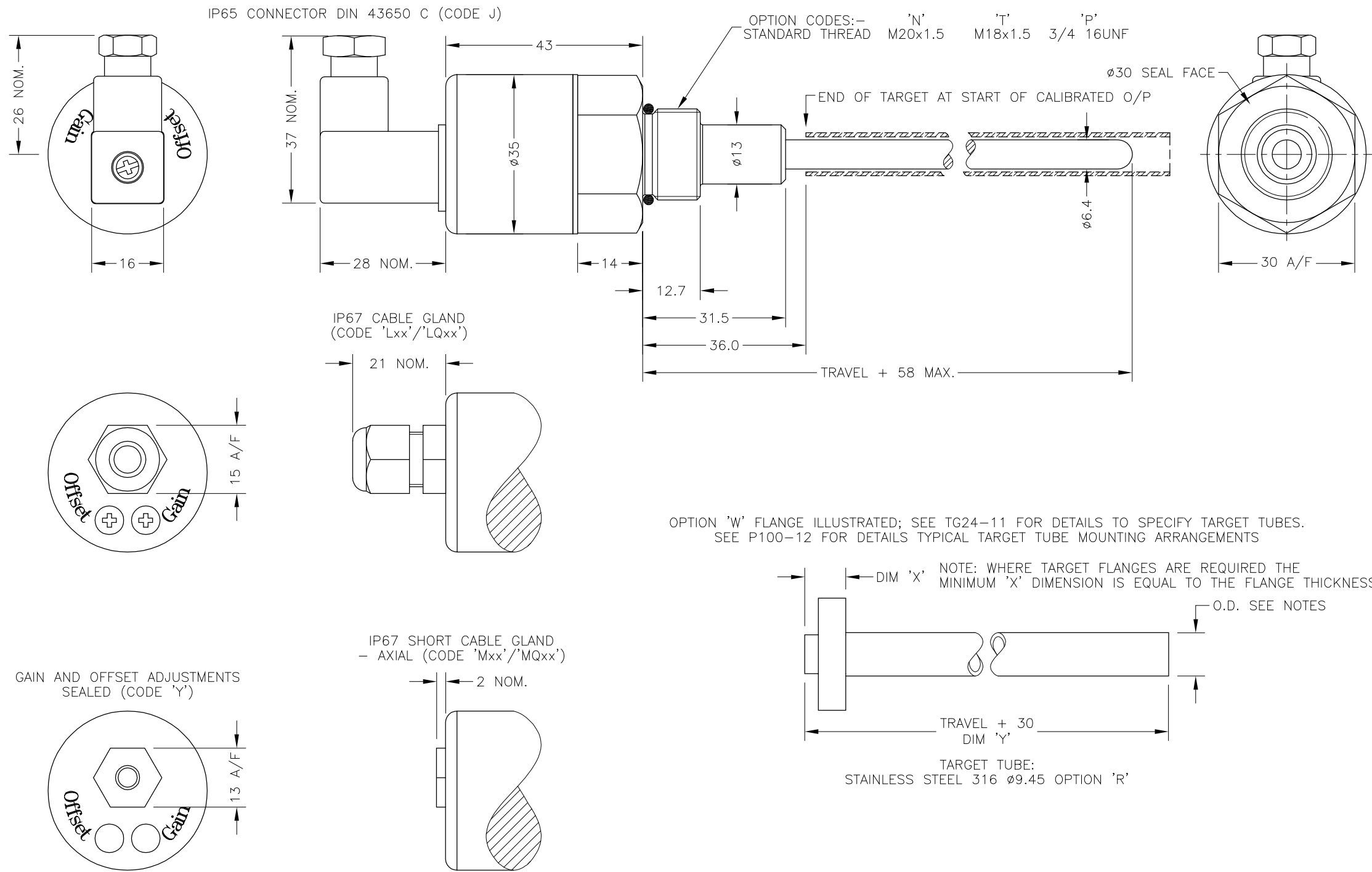




ELECTRICAL OPTIONS/ SPECIFICATIONS

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 X100—19
FOR FULL INSTRUCTIONS FOR USE.

ATEX / IECEx APPROVED TO

Ex ia IIC T4 Ga (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!

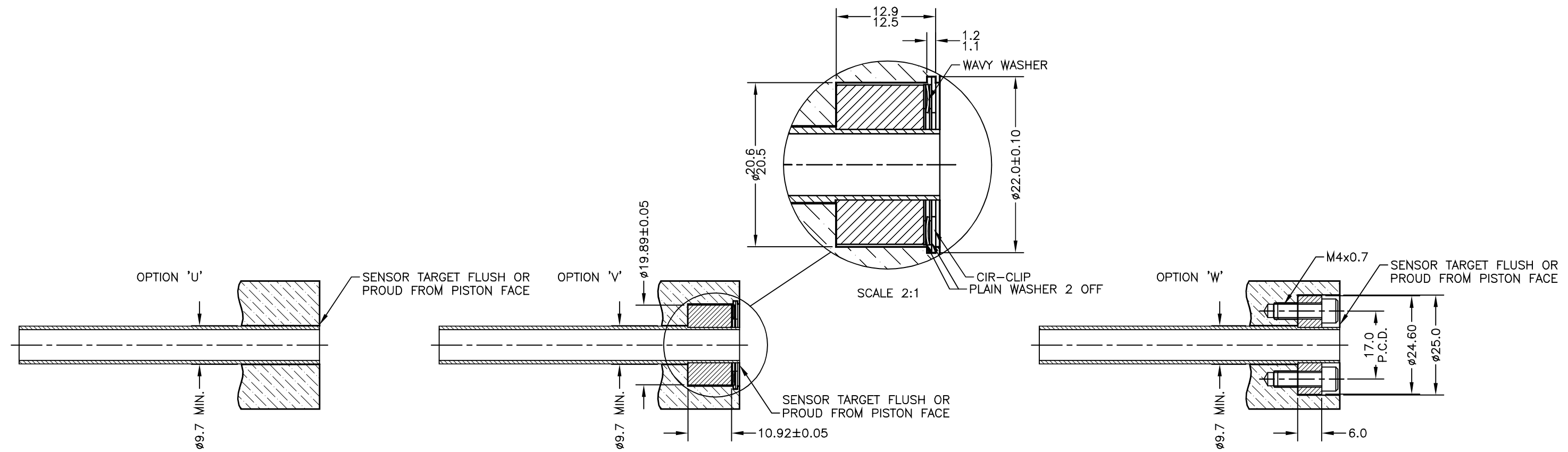
H	OPTION 'S' REMOVED - RAN1035.	PDM
J	RANGE WAS 20-600 RAN1056	RDS
K	TARGET NOTES AMENDED ~ RAN1114	PDM
L	5-CORE OPTION ADDED ~ RAN1102	PDM
M	RANGE NOTE AMENDED ~ RAN1200	PDM
N	HEX. LENGTH 14 WAS 15 ~ RAN1160	PDM



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
THIS IS AN UNCONTROLLED PRINT AND WILL NOT BE UPDATED.

H	29/06/15		CHECKED BY RDS	X	±0.4
J	9/11/15			X.X	±0.2
K	18/10/16			X.XX	±0.1
L	06/04/17	DESCRIPTION			
M	29/08/17	X100 INTRINSICALLY SAFE			
N	11/10/17	CYLINDER LINEAR POSITION			
		SENSOR			
SCALE 10mm 			DRAWING NUMBER	X100-11	REV
					N
			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 AMMENDE	RDS

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
THIS IS AN UNCONTROLLED PRINT AND WILL NOT BE UPDATED.

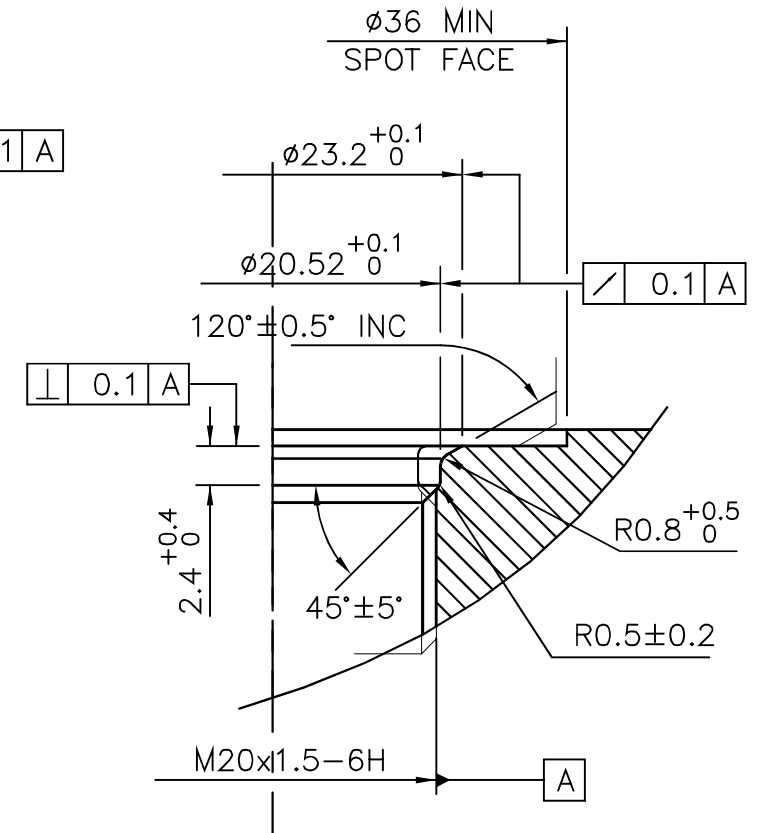
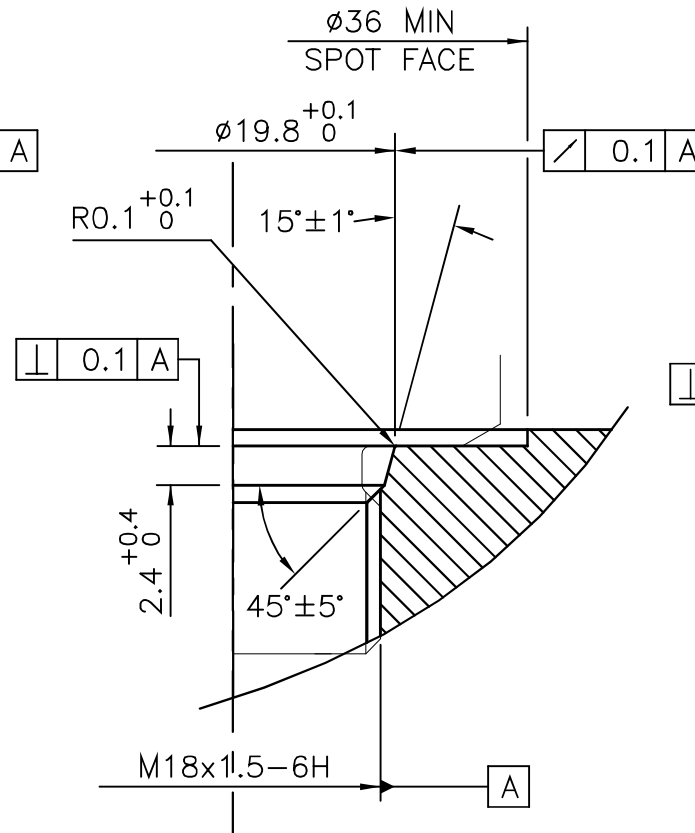
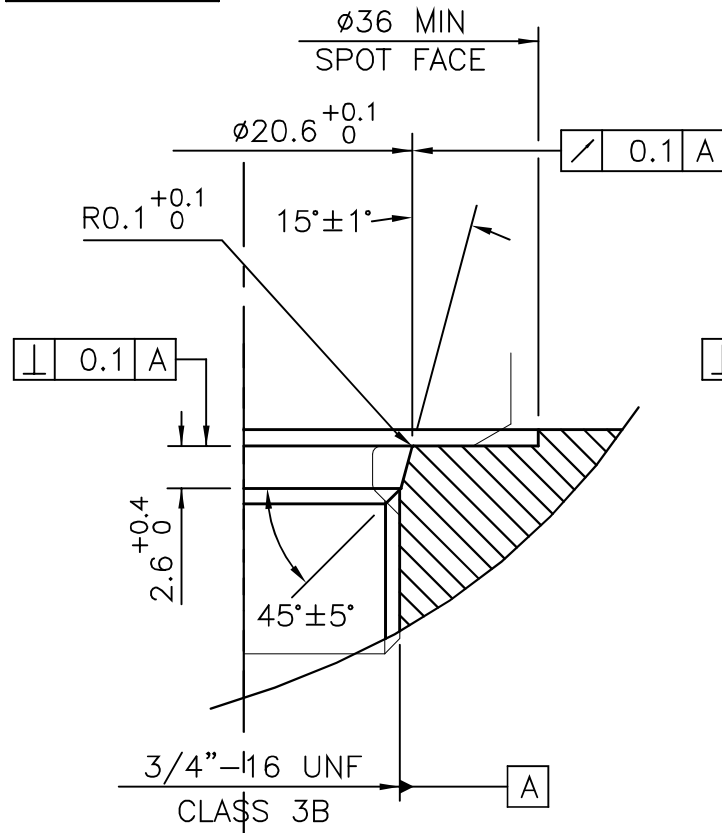
A	28/06/95		CHECKED BY	X	±0.4
B	04/10/11		MAS	X.X	±0.2
C	26/10/17			X.XX	±0.1
				DIMS	mm
			DESCRIPTION	TYPICAL TARGET TUBE FITTING OPTIONS	
			SCALE	10mm	
			DRAWING NUMBER	P100-12	REV C
				SHEET 1	OF 1

CHECKED
AT REV.

A

RDS

DRAWING NOT TO BE CHANGED WITHOUT REFERENCE TO THE CHANGE PROCEEDURE.
CHANGES TO PARTS USED IN INTRINSICALLY SAFE PRODUCT MUST BE APPROVED
BY THE AUTHORISED PERSON
THIS IS AN UNCONTROLLED PRINT AND WILL NOT BE UPDATED



A	FIRST ISSUE	COH/DS
---	-------------	--------

POSITEK
P
LIMITED

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

1. SPECIFY TUBE MATERIAL; CODE:-
'R' STAINLESS STEEL 316 Ø9.45.

2. SPECIFY FLANGE TYPE; CODE: 'U', 'Vn', 'Wn' OR 'Xn' ~ SEE DETAILS BELOW.

n (mm), NOT APPLICABLE CODE 'U' PLAIN TUBE.

STANDARD PLAIN, CODE 'U'

LENGTH: DISPLACEMENT + 30 (FOR 100mm DISPLACEMENT LENGTH = 130)

I.D. SEE NOTE 1.

O.D. SEE NOTE 1.

PENNY & GILES HLP100, CODE 'V'

DIM 'n' SEE NOTE 3. MIN. 10.92

10.97
10.87

TEMPOSONICS (M4 FIXING), CODE 'W'

DIM 'n' SEE NOTE 3. MIN. 6

6.0

PARKER HANNIFIN, CODE 'X'

DIM 'n' SEE NOTE 3. MIN. 7

11.20
11.15

7.0

3.5
3.0

STAINLESS STEEL

Cross-sectional views and dimensions:

- Standard Plain (U):** Outer diameter $\phi 19.94$ / $\phi 19.84$.
- Penny & Giles HLP100 (V):** Outer diameter $\phi 24.60$. Two small holes with diameter $\phi 4.4$ / $\phi 4.2$ (2 PLACES). Pitch Circle Diameter (P.C.D.) $\phi 17.0$.
- Parker Hannifin (X):** Outer diameter $\phi 15.50$.

GENERAL NOTES: SEE DRAWING P100-12.

POSITEK

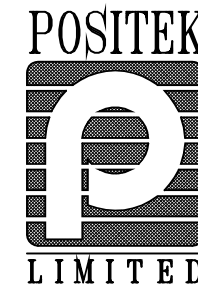
D	12/07/05
E	16/10/06

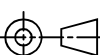
D	MINIMUM 'X' DIMENSIONS ADDED	PDM
E	MATERIAL OPTION REMOVED.	PDM
F	MAT'L OPTION REINSTATED RAN221.	PDM
G	X DIM FOR PH FLANGE SHOWN RAN225	RDS
H	9.45 WAS 9.5 RAN396	RDS
J	REDRAWN, PH FLANGE ROTATED RAN507.	PDM
K	NOTE 1 AMENDED ~ RAN1114.	PDM

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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
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	TG24-11	REV	K
5mm					
		SHEET 1 OF 1			