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Thursday 30th June, 2022

Dear Customer,

#### Re: Product Change Notification for Harwin product.

Product in the C90-3106F range has been subject to dimensional changes relating to the supplied rubber bushing.



#### The following parts are affected:

- C90-3106F10SL-3P
- C90-3106F10SL-4P
- C90-3106F10SL-3S
- C90-3106F10SL-4S
- C90-3106F12S-3P
- C90-3106F12S-3S

This change was actioned during Q4 2021 – no PCN was triggered or released at this time, so you may have already received stock to the new design. The change was to the size of the inner bore of the bushing.

	Inner bore diameter	Supplied Rubber Bushing (also available separately)
Before the change in Q4 2021	6.60mm nominal	C90-3420-5
After the change in Q4 2021	5.60mm nominal	C90-3420-4

If you require the larger bore rubber bushing, please order the C90-3420-5 as a separate component.

If you have any further questions regarding this letter, please do not hesitate to contact us.

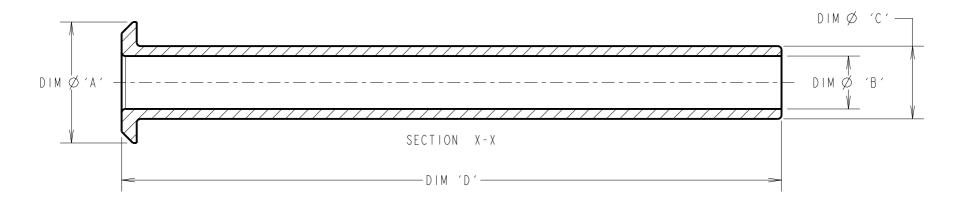
Yours faithfully,

The Product Change Team technical@harwin.com

# Customer Information Sheet

DRAWING No.: C90-3420-X IF IN DOUBT - ASK NOT TO SCALE THIRD ANGLE PROJECTION ALL DIMENSIONS IN mm

### FOR INFORMATION ONLY Correct at time of issue



PART No.	DIM 'A' ∅ ±0.35	DIM 'B' ∅ ±0.40	DIM 'C' ∅ ±0.40	DIM 'D' ±1.50
C90-3420-4	12.80	5.60	7.70	69.80
C90-3420-5	12.70	6.60	8.00	69.85
C90-3420-6	15.60	7.92	10.85	66.68

	1		
MGP	2	29.06.22	31681
NAME	ISS.	DATE	CN/CO
APPROVED: MGP			
CHECKED: MR			
DRAWN: R.ADDE			
CUSTOMER REF.:			
ASSEN	MBLY (	RG:	



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OTHER PURPOSE WITHOUT

THEIR WRITTEN PERMISSION

 $X. = \pm 1$ mm  $X.X = \pm 0.50 mm$  $X.XX = \pm 0.20$ mm  $X.XXX = \pm 0.01$ mm

TOLERANCES

ANGLES =  $\pm 5^{\circ}$ UNLESS STATED MATERIAL: RUBBER

FINISH: S/AREA: TITLE:

RUBBER BUSHING

DRAWING NUMBER:

C90-3420-X

SHT 1<sup>2</sup> OF<sub>2</sub> J

# Customer Information Sheet

DRAWING No.: C90-3106FXXSX-XX IF IN DOUBT - ASK NOT TO SCALE THIRD ANGLE PROJECTION ALL DIMENSIONS IN mm ØDIM 'D' 'C' THREAD-CONTACT LAYOUT SEE NOTE 4 (SHOWN LOOKING AT THE MATING FACE) 10S1 - 310SL-4 145-2 145-6 125-3  $\bigcirc$ SPECIFICATIONS: ØDIM 'B' MATERIAL:

SHFII = ALUMINIUM ALLOY

INSULATOR = SYNTHETIC RUBBER GROMMET = SYNTHETIC RUBBER

CONTACT = COPPER ALLOY

FINISH:

SHELL = ZINC COBALT ALLOY, BLACK

CONTACT = SILVER

ENVIRONMENTAL:

OPERATING TEMPERATURE = -55°C TO +125°C

VIBRATION SENSITIVITY = 10Hz TO 500Hz. 98m/s<sup>2</sup> (10G)

SHOCK SEVERITY =  $490 \text{m/s}^2$  (50G) FOR IIms

WATER RESISTANCE (SEALING) = 1.8m FOR 48HRS. **EXCEEDS 1P67** 

ELECTRICAL:

CURRENT RATING = 13A

VOLTAGE RATING:

IOSL, I2S SHELL SIZES = 500V AC, 700V DC

14S SHELL SIZE = 200V AC, 250V DC

VOLTAGE PROOF:

IOSL & I2S SHELL SIZES = 2.000V AC

14S SHELL SIZES = 1,000V AC

INSULATION RESISTANCE = 5,000M(2 MIN

FOR MECHANICAL/ELECTRICAL REQUIREMENTS,

SEE COMPONENT SPECIFICATION CO45XX (LATEST ISSUE)

ORDER CODE:

C90-3106FXXXX-XX

SHELL SIZE (CONTACT LAYOUT):— 10\$1 - 3. | 10\$1 - 4. | 12\$ - 3. | 14\$ - 2 145-6

CONTACT GENDER:-

P - MALE

- FEMALE

NOTES:

- I. PRODUCT IS ROHS COMPLIANT.
- 2. PRODUCT IS PACKED IN BAGS.
- 3. RECOMMENDED WIRE SIZE 16-22 AWG.
- 4. CABLE CLEARANCE
- 5. RECOMMENDED WIRE STRIP LENGTH = 7.5mm.
- 6. RUBBER BUSHING SUPPLIED WITH CONNECTOR

- SEE TABLE FOR APPLICABLE PRODUCT

FOR INFORMATION ONLY Correct at time of issue

SHELL SIZE	DIM 'A'	ØDIM 'B'	'C' THREAD	ØDIM 'D'	RUBBER BUSHING
IOSL	58.72	22.04	5/8-24UNEF	7.14	C90-3240-4
128	58.72	25.40	3/4-20UNEF	7.14	C90-3240-4
145	58.72	28.30	7/8-20UNEF	10.31	C90-3240-6

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OR USED FOR MANUFACTURING. TENDERING OR FOR ANY OTHER PURPOSE WITHOUT THEIR WRITTEN PERMISSION

TOLERANCES X. = ± Imm  $X.X = \pm 0.50 \text{mm}$  $X.XX = \pm 0.20$ mm

 $X.XXX = \pm 0.01$ mm ANGLES =  $\pm 5^{\circ}$ UNLESS STATED

MATERIAL: SEE ABOVE

S/ARFA:

FINISH: SEE ABOVE

TITLE:

STRAIGHT PLUG

ASSEMBLY DRG:

DRAWING NUMBER:

C90-3106FXXSX-XX

SHT