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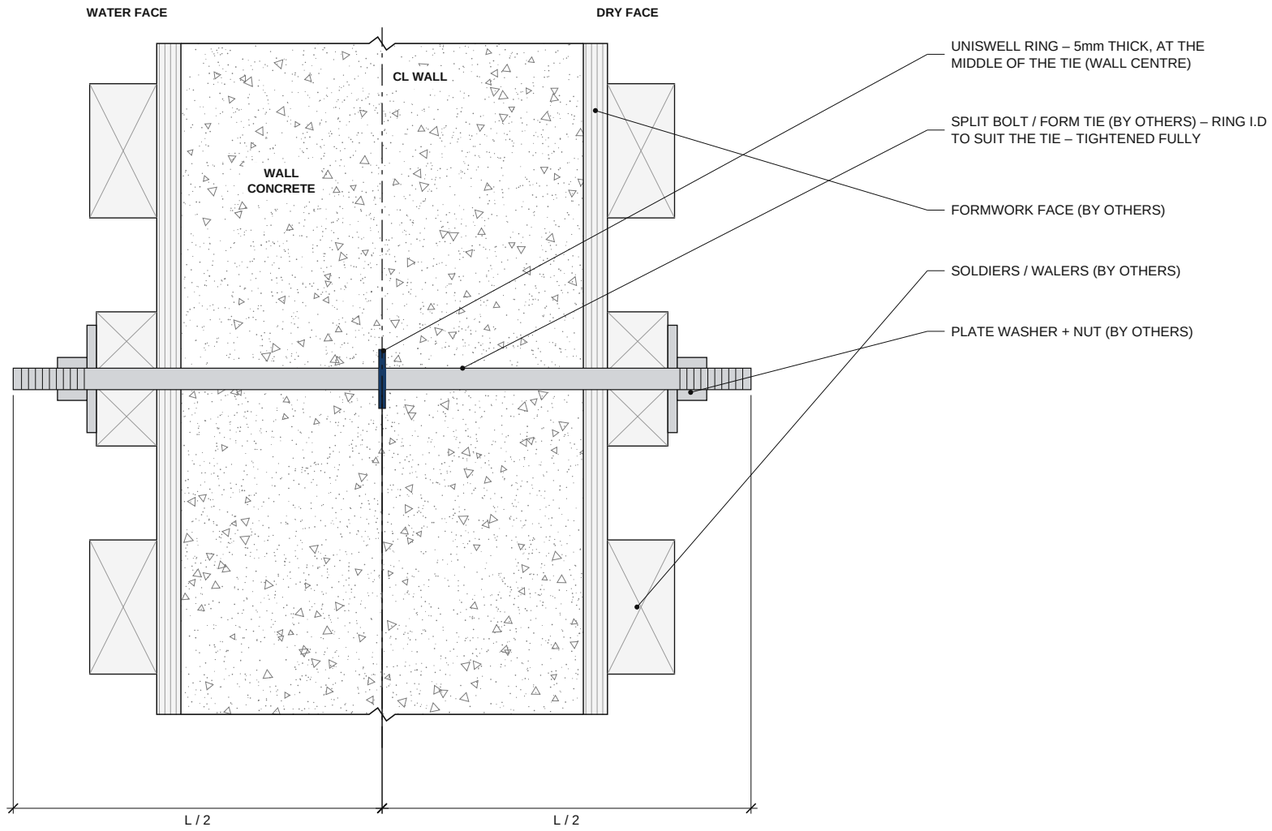
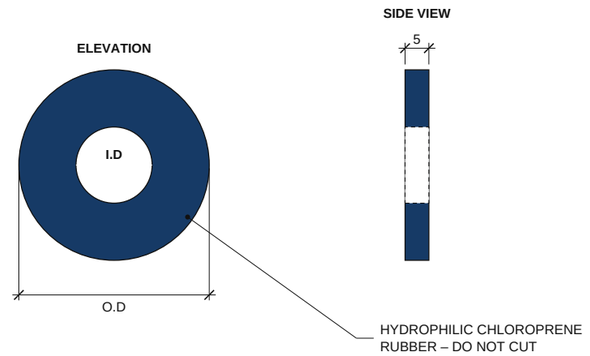



L = SPLIT BOLT / FORM TIE LENGTH

**1 FORM TIE THROUGH WALL**

SECTION – FORMWORK IN PLACE – NOT TO SCALE




**2 UNISWELL RING**

ENLARGED – NOT TO SCALE

## UNISWELL RING SIZES (REFER TO TDS)

| I.D (mm) | O.D (mm) | THICKNESS | PCS / BOX |
|---|---|---|---|
| **14** | 40 | 5mm | 1000 |
| **16** | 40 | 5mm | 1000 |
| **18** | 40 | 5mm | 1000 |
| **20** | 45 | 5mm | 1000 |
| **25** | 50 | 5mm | 500 |
| **30** | 60 | 5mm | 500 |
| **35** | 60 | 5mm | 500 |

Choose the I.D for a snug fit on the tie.

## PROPERTIES (REFER TO TDS)

| PROPERTY | VALUE |
|---|---|
| **Material** | Chloroprene rubber + hydrophilic groups |
| **Hardness** | 45 Shore A |
| **Tensile strength** | 4.67 MPa |
| **Elongation** | 850% |
| **Expansion (ASTM D471)** | > 300% |
| **Hydrostatic head** | 70m |
| **Service temperature** | -30 to 50°C |

## GENERAL NOTES (FOR GUIDANCE ONLY)

1. Fit a ring on every form tie / split bolt that passes through a water-retaining or water-excluding wall.
2. Clean the tie and remove dirt, dust and grease. Select the ring I.D to give a snug fit on the tie.
3. Do not cut the ring. Open it slightly, slide it over the tie and position it at the middle of the tie (wall centre), pressed firmly in place so it cannot move during concreting.
4. Tighten the split bolt fully. Compact the concrete well around the ring.
5. The ring swells on contact with moisture to seal round the tie. Keep it dry before concreting; replace if pre-swollen.
6. Formwork, tie type, tie spacing and treatment of tie ends / recesses as specified by the engineer (by others).

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**REVISIONS**

| REV | DATE | DESCRIPTION |
|---|---|---|
| 0 | 29/10/26 | FIRST ISSUE |
| A | 12/11/26 | UPDATED TO TDS |

PRODUCT
**UNISWELL RING HYDROPHILIC FORM-TIE WATERSTOP**

DRAWING TITLE
**UNISWELL RING – FORM TIE WATERSTOP DETAIL**

DRAWING NO.
**UR-SW-06**

REV
**A**

| SCALE | SIZE | DATE | DRAWN |
|---|---|---|---|
| NTS | A3 | 12/11/26 | UR |

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