

## TIGHT 112GS O-RING

Hydro-Swelling Waterstop

### GENERAL DESCRIPTION

**AXEL TIGHT 112GS O-RING** is a ring-shaped waterproofing seal composed of refined rubber and inorganic, water-absorbent swelling polymers. Typically installed around bolts or strainers and cast directly into concrete walls, it provides reliable moisture protection. The material expands upon contact with water to fill and seal gaps, it is frequently referred to as a swellable waterstop or seal ring.

It is primarily utilized to prevent corrosion on embedded steel components, such as reinforcement bars and pipes that traverse structural joints or cracks. It features a lower expansion rate, making it ideal for applications with standard or moderate water-resistance demands.

### RECOMMENDED USES

Use for especially for:

- \* Construction and cold joints
- \* Around pipe penetration

### CHARACTERISTICS & ADVANTAGES

- \* Simple Installation
- \* Economical easy to apply, minimizes installation time and cost
- \* Provides a good sealer against water ingress
- \* An active waterstop which swells in the direction of water seepage
- \* Flexible - highly suited for construction joints and pipe penetrations

### COVERAGE

110mm @ 160mm / ring

### COLOURS

Blue

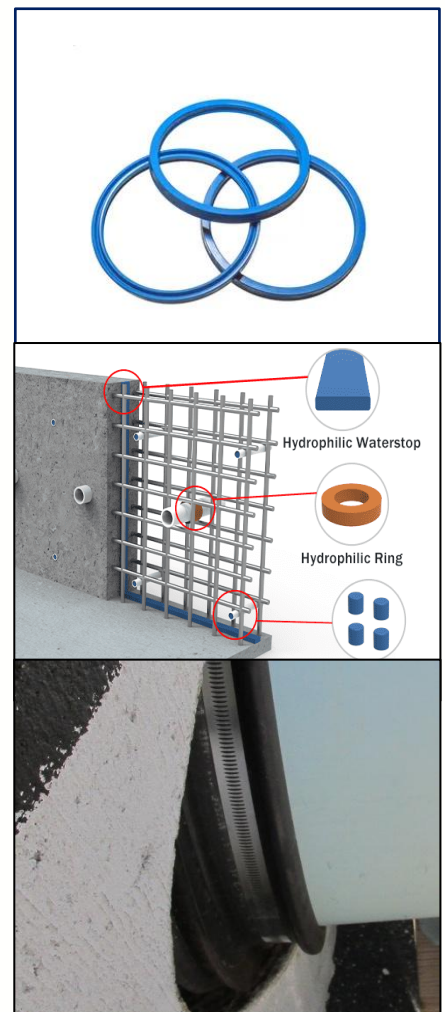
### PACKING

1 Ring (110mm) - 100mm (ID) / 110mm (OD) x 10mm (TD) / 5mm (TO)

1 Ring (160mm) - 150mm (ID) / 160mm (OD) x 10mm (TD) / 5mm (TO)

### STORAGE

Store in a dry, cool and shaded place



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### SURFACE PREPARATIONS

The substrate must be clean and free from oil, grease and other contaminants. **AXEL TIGHT 112GS O-RING** should be centrally placed in the joint and requires a minimum concrete cover of 50 mm to confine swelling pressure. Prolonged immersion of **AXEL TIGHT 112GS O-RING** in water before the next concrete pour should be avoided.

### METHOD OF APPLICATION

- \* Wrap **AXEL TIGHT 112GS O-RING** around section of pipe before casting / grouting.
- \* Cast the next section of concrete to complete joint.

#### **Notes:**

- \* Expansion rate can vary in salt and contaminated water.
- \* Not for use where excessive shrinkage of the concrete may occur at the joint faces or in expansion/movement joints.

### CLEANING OF TOOLS

Clean all tools and application equipment with water immediately after use. Hardened or cured material can only be mechanically removed.

### TECHNICAL SPECIFICATIONS

No. of component	One
Form	O-ring
Expansion	≥ 300% by volume
Shore A Hardness	40-50
Tensile strength	2.0 Mpa (min)
Low temperature bending	No cracks

### SHELF LIFE

12 months from the date of production if stored properly in original, unopened and undamaged sealed packaging in dry conditions.

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