

PVC WATERSTOP 129

PVC Waterstop

GENERAL DESCRIPTION

AXEL PVC WATERSTOP 129 is extruded from specially compounded PVC in accordance with BS 2571. There are designed for use in water retaining and water excluding structures where a positive seal is required for poured in site concrete expansion, construction and contraction joints, placed centrally or externally.

AXEL PVC WATERSTOP 129 are available in different sizes and profiles to suit site's requirement. Some concrete expansion, contraction or other movements that will cause joints to open and close are allowable with the installation of waterstop.

RECOMMENDED USES

- * Tunnels
- * Roof slab
- * Lift pits
- * Sewerage treatment plants
- * Water reservoirs
- * Dams and spillways
- * Water treatment plants
- * Basement slabs and retaining walls

CHARACTERISTICS & ADVANTAGES

- * Variety of profiles and sizes available to suit construction requirements
- * Factory made intersections to simplify on site fabrications
- * AXEL PVC WATERSTOP 129 conforms to the British Standards BS 2571
- * Heat weldable
- * Long term durability and integrity

COVERAGE

12-20 meters /roll depending on profiles and sizes

PACKING

- 150mm width – 20 meter per roll
- 200mm width – 20 meter per roll
- 250mm width – 20 meter per roll
- 320mm width - 12 meter per roll

STORAGE

Store in a dry, cool and shaded place



SURFACE PREPARATIONS

The substrate and the water bars must be clean and free from oil, grease and other contaminants.

METHOD OF APPLICATION

- * **Profile width selection** - Selection of waterstop depends on concrete thickness and positioning of the reinforcement (centrally placed / externally placed). Thickness of the concrete should be greater than or equal to the width of waterstop.
- * Located **AXEL PVC WATERSTOP 129** accurately and tied firmly to prevent movement during placement of the concrete.
- * Ensure that the concrete is poured compactly around waterstop without remaining of voids / porous. A high ultimate strength could be achieved.
- * End joining: The ends of the waterstop are cut square and placed into the welding Jig, then push the ends of the waterstop against the welding Iron and bring the two ends together until the molten ends of the PVC fuse.
- * Other than construction joints, all joints should be filled with an approved sealant (e.g. **AXEL PU FLEX 122SL**)
- * Key factors for the installation of **AXEL PVC WATERSTOP 129**: way of installation, compaction of the surrounding concrete, workmanship, positioning of waterstop.

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 components	One	
Material	Polyvinyl chloride (PVC)	
Tensile strength	≥ 12 Mpa	BS 2782: 320 A
Elongation at Break	≥ 250%	BS 2782: 320 A
Water absorption (23°C)	0.15%	ISO 62
Low temperature brittleness	No crack at -25°C	ASTM D746
Deformation under heat Duration : 24 hours Load : 9.8N Temperature : 70°C	0.8%	BS2782: Part 1: Method122A
Hardness, Shore A	75±5	
Welding temperature	Approximately 190°C - 200°C	
Service temperature	-25°C to +70°C	

SHELF LIFE

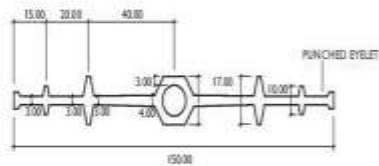
12 months from the date of production if stored properly in original, unopened and undamaged sealed packaging in dry conditions.

WATERSTOP PROFILE RANGE

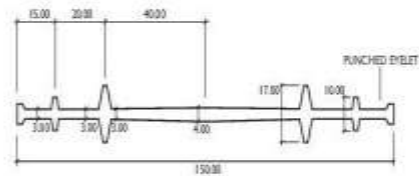
- INTERNAL PROFILE – AXEL PVC WATERSTOP 129

FOR EXPANSION JOINTS

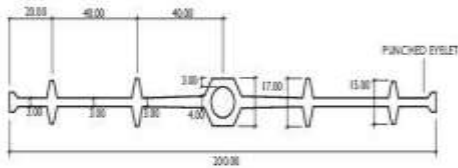
FOR CONSTRUCTION JOINTS



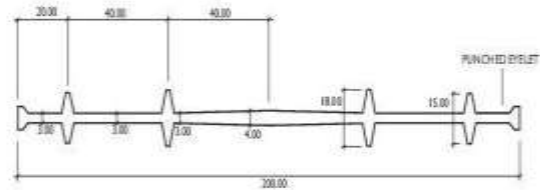
150 WSX



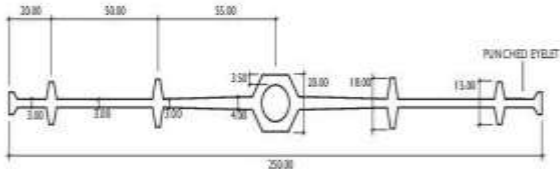
150 WSCJ



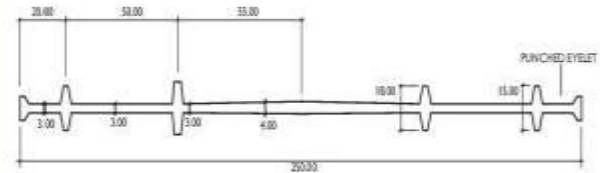
200 WSX



200 WSCJ

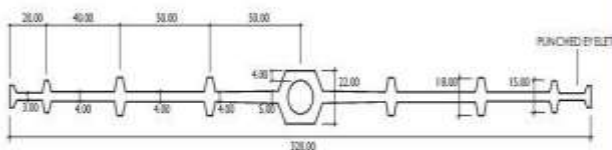


250 WSX

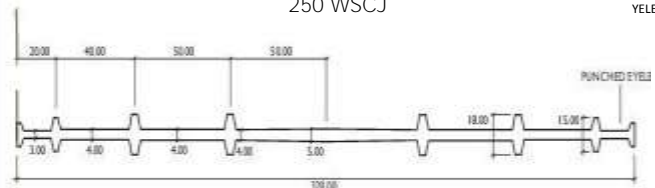


250 WSCJ

YELER



320 WSX

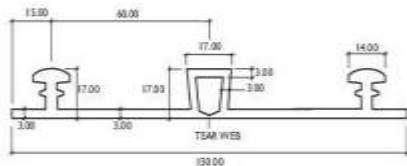


320 WSCJ

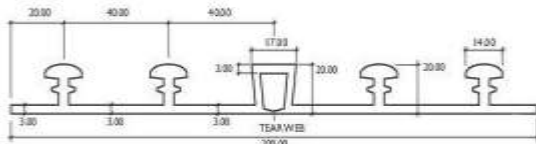
NOTE: Full dimension drawings available upon request

• EXTERNAL PROFILE – AXEL PVC REARGUARD 129

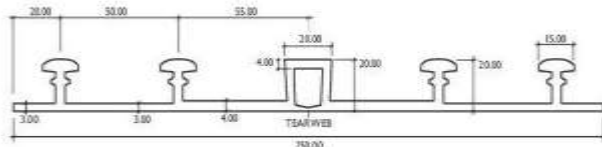
FOR EXPANSION JOINTS



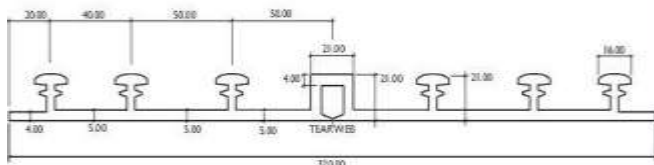
150 RGX



200 RGX

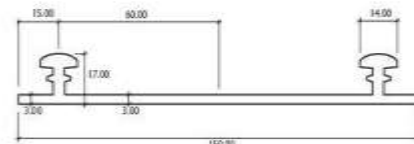


250 RGX

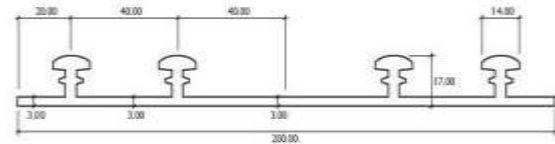


320 RGX

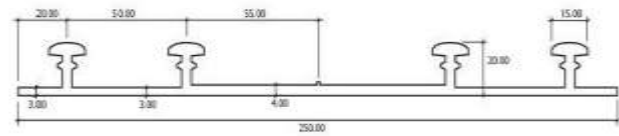
FOR CONSTRUCTION JOINTS



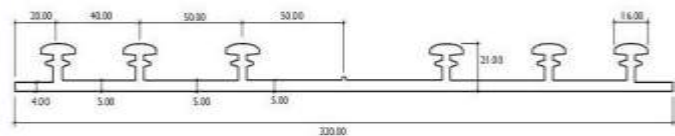
150 RGCJ



200 RGCJ



250 RGCJ



320 RGCJ

* For further details of AXEL REARGUARD 129, please refer to our AXEL SALES TEAM.

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