

RD20 Threaded Lifting Loop
Safe Working Load: 2000kg each

Manufactured from zinc plated steel wire rope with a precision bright steel threaded portion. Threaded lifting loops are ideally suited to axial lifting procedures but can be used up to and including angled lifts of 30 degrees.

Use and Operation

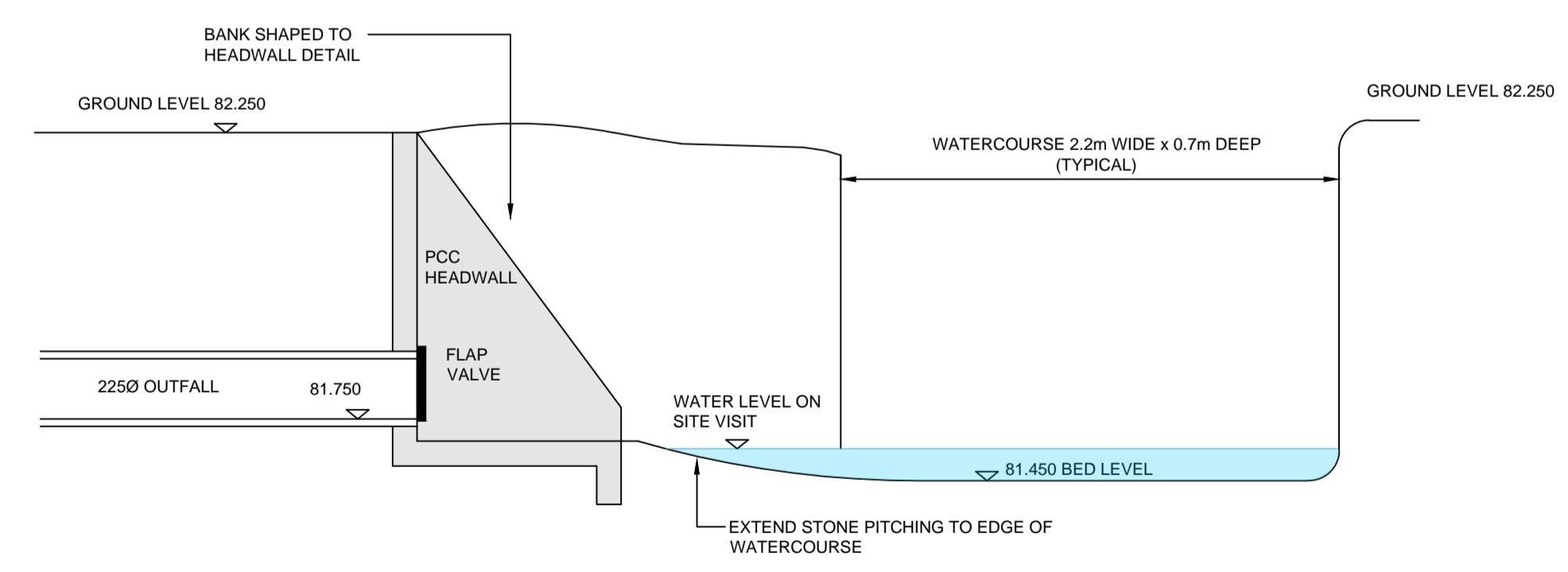
The threaded lifting loop must be fully threaded into the lifting socket prior to commencing a lifting operation. It is imperative that the two mating surfaces are parallel to each other.

Althon 250 HDPE/SS Flap Valve Specification Information

- The valve plate and the back plate are produced using HDPE/SS
- The hinge pin and ballast weight are produced in SS316 as standard
- The ballast weight can be easily adjusted if required
- The sealing arrangement consists of an EPDM lips seal in the back plate
- The valve plate is also installed on an angle in relation to the back plate to ensure a good seal

Material: HDPE, SS316, EPDM
Opening: ø250mm
Max load from bottom invert level (B.I.L.): 1.3MWC long period (=50 years) 5MWC short period (=72hours)
Number of chemical anchors M8: 4 pieces

- All dimensions in mm
 - All measurements ± 1mm
- Specification Information**
- Opening in back wall cast to suit outside diameter of the pipework
 - Invert level of pipe can be set to your specification
- Headwall Installation**
- Units should be bedded on minimum 150mm of semi-dry concrete. Sit the headwall level or with a slight fall 1:50 from pipe to spill mouth.
- Handling**
- Weight of concrete is based on 2.4 tonne/m³ - 5% is recommended for sizing lifting equipment.
 - All lifting points shall be used as specified below - Anchor points & loops - Total Qty: 3
 - Unit to be lifted as per lifting diagram
- Concrete**
- Mix ref: Self-compacting DC40S4 Mix
 - Lifting strength based on 2 cubes = 20N/mm²
 - Characteristic 28 day cube strength = 50N/mm²
 - Concrete provides Design Chemical Class 4 (DC4) to special Digest 1, Table F2.
- Reinforcement**
- Reinforcement to BS EN 13369
 - Scheduling, dimensioning, bending & cutting to BS8666
 - Cage to be machine tied with steel wire
- Manufacture**
- Manufacture to BS EN 15226:2008 precast concrete products - Retaining wall elements, Factory Production Control certificate number: 0086-CPR-650448 & BS EN 13369
 - Tolerances to BS EN 13369 clause 4.3.1.1
- | Class | Top | Sides | Base | Rear of back wall |
|-------|-----|-------|------|-------------------|
| A | A | A | A | Self - Levelled |
- Marking:** Units shall be indelibly marked to show:
- Mould reference code
 - De-mould date
 - Job reference number & unique product number
 - Unit weight (kg)
- Design**
- Concrete design to EC2
 - Althon have designed the concrete units only, the site conditions should be assessed for suitability by the scheme designer
 - Units are designed to withstand a vertical live load surcharge of 10kN/m²
 - Weight of soil = 18kN/m³
 - Angle of internal friction = 30 Deg.
 - Design Life: >50 years
- | Min Cover | Cover Block | Min Cover | Max Cover |
|-----------|-------------|-----------|-----------|
| Size (mm) | Size (mm) | Size (mm) | Size (mm) |
| All Faces | 33 | 28 | 38 |
- | Exposure Classification | Exposure induced by Carbonation | Corrosion induced by Chloride | Freeze/thaw attack | Chemical attack |
|-------------------------|---------------------------------|-------------------------------|--------------------|-----------------|
| All Faces | XCS4 | XD2 | XFS | XAC |
- Fabrication Specification**
- Manufacture IAW EN 1090-2 EXC CLASS 1
 - Material grade is to be: BS EN 10025 S275
 - Welding carried out IAW EN 1090-2 PARA 7.5.4 - 7.5.18
 - All fillet and butt welds to have a minimum throat thickness of 6mm & joints to be fully welded where possible.
 - Ensure vertical flats are fully welded both sides where possible.
 - All sharp edges and burrs are to be removed.
 - Remove all weld splatter.
 - Holes by punching are permitted with reaming.
 - Galvanising is carried out after fabrication to BS EN ISO 1461
- Handrail Specification**
- Keel Klamp®/Galvanised Size 8 Fittings
 - Size 8 48.3mm OD 3.2mm Wall Thickness Galvanised Medium Duty Tube to BS EN 10255
 - 360Nm Design Load as stated in BS 8118, BS 8180, BS 6399 & BS 7818, Civil Engineering Specification for the Water Industry (CESWI) 7th Edition Class 2.50 Handrails & Balusters & The Engineering Equipment and Materials Users' Association (EEMUA) Publication 105 7th Edition Factory Stairways, Ladders and Handrails
 - Other design loads available on request
 - GFRP/FRP Handrails also available



LONG SECTION THROUGH OUTFALL

			OAKMERE HOMES			HEADWALL DETAIL & OUTFALL LONG SECTION		
			CHATBURN ROAD SOUTH			SCALE: @A1 REV -		
						19.664 - 531		

Rev	Date	Description	Drn	Chk	App
-	11.04.20	ORIGINAL ISSUE	SB	BF	BF

REFORD
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