

How to Replace Z sheet pile with O-Pile

Below are three examples of the many options O-Pile can take and pipe to configure a solution that works for your project.

IN SOIL:



Predictable, Quantifiable Retaining Wall System for All Soil Conditions. O-Pile is cost effective and readily available, as you can use your local pipe plant or supply – no need to bring the majority of the steel from Luxembourg, anymore.

| | WOM-XL®/WOF-XL® | Z 48 |
|-----------------|----------------------------|---------------------------|
| WEIGHT | 45.47 lb/sq ft | 49.28 lb/sq ft |
| SECTION MODULUS | 103.03 in ³ /ft | 89.30 in ³ /ft |
| BENDING MOMENT | 429.3 k-ft-ft | 372.0 k-ft/ft |
| AVAILABILITY | 3-4 weeks | 12-14 weeks |

IN SALT WATER:




Double Pipe Thickness – O-Pile: Mariner, you can “dial in” thickness to meet specific structural load/durability needs to ensure overall safety. For increased durability, thickness can be increased in the upper 15’ (4.5m) of the pipe, specifically at the splash – and low-water zones.

| | WOM-XL®/WOF-XL® | Z 48 |
|---------------------------------|----------------------------|---------------------------|
| WEIGHT | 49.5/50.7/51.9 lb/sq ft | 49.28 lb/sq ft |
| SECTION MODULUS | 103.03 in ³ /ft | 89.30 in ³ /ft |
| BENDING MOMENT | 429.3 k-ft/ft | 372.0 k-ft/ft |
| THICKNESS IN CRITICAL CORROSION | 16/18/20 mm | 15 mm |
| AVAILABILITY | 4-5 weeks | 13-16 weeks |

IN SOLID ROCK:



DTH (Down the Hole) Drilling – O-Pile: DTH utilizes state-of-the-art DTH drilling techniques that allows its systems to be driven into any ground or rock strata. DTH drilling has been used in many challenging environments where other sheet piling systems could not utilized.

| | WOM-S®/WOF-S® | Z 48 |
|-------------------|------------------------------|---|
| WEIGHT | 47.67 lb/sq ft |  |
| SECTION MODULUS | 115.48 in ³ /ft | |
| BENDING MOMENT | 481/.2 k-ft/ft | |
| MOMENT OF INERTIA | 2,078.69 in ⁴ /ft | |
| AVAILABILITY | 3-4 weeks | |

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Question? Call 866.666.7453 or email sales@isheetpile.com