PREDICTABLE, EFFICIENT, QUANTIFIABLE RETAINING WALL FOR ANY APPLICATION
Predictable, Quantifiable Retaining Wall System for All Soil Conditions

O-Pile® is a dynamic, cost-effective contiguous pipe-to-pipe system that allows you to drive predictably into pure rock, if necessary, as well as dial-in your corrosion and bending moment needs separately. O-Pile® is versatile 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. Go to Opile.com to configure your system.

**O-Pile® Product Overview**

Go to O-Pile.com to configure your system.

**O-Pile® Global Projects**

Go to Opile.com to configure your system.

Please go to the O-Pile tool at O-Pile.com to configure your specific O-Pile system, call or text us at 866.666.7453 or +1.512.243.1228 for technical assistance about the O-Pile system or how to use the tool.

**The Leader in Innovative Sheet Pile Connectors**

PilePro® offers a line of modular sheet pile connectors that enable distributors to offer the end user an off-the-shelf and ready-to-install component. PilePro® connectors effectively render fabricating corners and other connection processes in sheet piling projects a relic of the past. Go to Pilepro.com to configure your system.

**PilePro® Connector Catalog**

Go to Pilepro.com to configure your system.

**Quick & 24-HR Delivery Options**

Go to Pilepro.com to configure your system.

Please go to the O-Pile tool at O-Pile.com to configure your specific O-Pile system, call or text us at 866.666.7453 or +1.512.243.1228 for technical assistance about the O-Pile system or how to use the tool.

**The Proven Sheet Pile Sealing System**

WADIT® (short for WASSERDICHT, German for waterproof) is an environmentally friendly sealant that was developed to deliver robust water-stopping protection. WADIT® is available for use anywhere with any type of sheet pile, including but not limited to O-Pile® and Z-Pile. The WADIT® system can be utilized before driving sheet pile, in the middle interlock of already paired sheet pile and after the sheet pile has already been installed. Click here for WADIT® presentation.

**WADIT® Sealant System Catalog**

Go to wadit.com to specify some of the hundreds of specifications with the connectors.

---

Table of Contents

**Predictable, Quantifiable Retaining Wall System for All Soil Conditions**

www.O-Pile.com

O-Pile® is a dynamic, cost-effective contiguous pipe-to-pipe system that allows you to drive predictably into pure rock, if necessary, as well as dial-in your corrosion and bending moment needs separately. O-Pile® is versatile 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. Go to Opile.com to configure your system.

**O-Pile® Product Overview**

Go to O-Pile.com to configure your system.

**O-Pile® Global Projects**

Go to Opile.com to configure your system.

Please go to the O-Pile tool at O-Pile.com to configure your specific O-Pile system, call or text us at 866.666.7453 or +1.512.243.1228 for technical assistance about the O-Pile system or how to use the tool.

**The Leader in Innovative Sheet Pile Connectors**

PilePro® offers a line of modular sheet pile connectors that enable distributors to offer the end user an off-the-shelf and ready-to-install component. PilePro® connectors effectively render fabricating corners and other connection processes in sheet piling projects a relic of the past. Go to Pilepro.com to configure your system.

**PilePro® Connector Catalog**

Go to Pilepro.com to configure your system.

**Quick & 24-HR Delivery Options**

Go to Pilepro.com to configure your system.

Please go to the O-Pile tool at O-Pile.com to configure your specific O-Pile system, call or text us at 866.666.7453 or +1.512.243.1228 for technical assistance about the O-Pile system or how to use the tool.

**The Proven Sheet Pile Sealing System**

WADIT® (short for WASSERDICHT, German for waterproof) is an environmentally friendly sealant that was developed to deliver robust water-stopping protection. WADIT® is available for use anywhere with any type of sheet pile, including but not limited to O-Pile® and Z-Pile. The WADIT® system can be utilized before driving sheet pile, in the middle interlock of already paired sheet pile and after the sheet pile has already been installed. Click here for WADIT® presentation.

**WADIT® Sealant System Catalog**

Go to wadit.com to specify some of the hundreds of specifications with the connectors.
O-Pile®
Predictable, Quantifiable Retaining Wall Systems for All Soil Types
Please see the corresponding US patents: US8088469, US8323765
Technical and Sales Support
8am EST to 6pm EST
Live person should answer your call
Toll Free from the US: 866.666.7453
International Callers Please Dial: +1.512.243.1228 or please text us stating when you would like us to call you.
Email us
info@isheetpile.com
To schedule a call
CLICK HERE

O-Pile®
Overview
O-Pile® is a leader in predictable, quantifiable retaining wall systems that can be driven in all soil conditions. O-Pile® systems are a stronger, more efficient, durable, faster and cost-effective alternative to heavy Z-sheet pile, combined sheet pile utilizing pipes or beams, slurry, secant, continuous concrete walls and other conventional concrete constructions.

O-Pile® Attributes
1. Bending Moment Capacity (BMC) – O-Pile® systems typically have a higher strength to weight ratio when compared to Z, U or combined sheet pile walls as they can be made using high strength coiled steel that exceeds the capabilities of hot rolled sheet pile, allowing for a much larger Bending Moment Capacity. For example O-Pile® is available in X80 to provide 80,000 yield strength, where by hot rolling sheet piling is limited to less than 65,000 and typically uses steel with a yield strength of 36,000 or 50,000. The selection of the steel grade has a marked impact on the structural resistance of the pile wall. Selecting a stronger steel grade such as X70 or X80 often allows using piles of smaller diameter or wall thickness.

2. Strong Efficient Connection – WOM/WOF connectors have an interlock strength of 19.5 kips/inch (3418 kN/m); Figure 1 on the right clearly shows the high pull-out resistance of this connection which is over 4 times stronger than Larssen interlocking hot rolled sheet pile made in Luxembourg or China.

“Greater interlock strength improves integrity during driving and allows forces to be redistributed laterally along the wall.”

Figure 1

A WOM/WOF® has a high pull out capacity of 19.5 kips/inch (3418 kN/m) compared to a Larssen 4.57 kips/inch (801 kN/m).

Please go to the O-Pile tool at O-Pile.com to configure your specific O-Pile system, call or text us at 866.666.7453 or +1.512.243.1228 for technical assistance about the O-Pile system or how to use the tool.
2. Unmatched System Efficiency

O-Pile systems offer unmatched efficiency particularly where high capacity structures are involved. O-Pile systems achieve strength by increasing pipe diameter, which spreads weight gained over an increased width. This minimizes weight gain per sqft (sqm) and radically improves efficiency. This is in stark comparison to how a beam-based combi-wall system develops strength.

To illustrate this efficiency, below is a comparison of strength to weight for an O-Pile system and a King pile system.

<table>
<thead>
<tr>
<th>System</th>
<th>System Measurements</th>
<th>Strength</th>
<th>Weight Increase</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-Pile</td>
<td>762 X 25.4mm; 11,196 cm3/m; 207 lbs/ft</td>
<td>0.54 ft-lbf/ft</td>
<td>84 lbs/ft</td>
</tr>
<tr>
<td>O-Pile</td>
<td>5,54 X 25.4mm; 22,808 cm3/m; 703 lbs/ft</td>
<td>1.13 ft-lbf/ft</td>
<td>1,512 lbs/ft</td>
</tr>
<tr>
<td>King pile beam system (1080mm beam with a 77mm sheet pile)</td>
<td>8,753 cm3/m; 163 lbs/ft</td>
<td>5.60 mm</td>
<td>42 lbs/ft</td>
</tr>
<tr>
<td>King pile beam system (1080mm beam to beam)</td>
<td>20,330 cm3/m; 546 lbs/ft</td>
<td>5.60 mm</td>
<td>134 lbs/ft</td>
</tr>
</tbody>
</table>

6. Load-Bearing Capacity

The surcharge and lateral load-bearing capacity of pipe sheet pile is significantly higher than standard U- or Z-type sheet piles or combined wall systems of similar weight, because of its natural geometry.

7. Superior Durability

O-Pile systems have a distinct advantage over ZJ and combined sheet piles by having a minimized exposed surface. O-Pile only have a corrosion allowance factored for the exterior surface of the pile, unlike the other systems.

8. O-Pile: Mariner – Double Pipe thickness – allows you to “dial-in” thickness to meet your specific structural load and durability needs to ensure overall safety. Thickness can be increased specifically at the splash- and low-water zones for increased durability (See Figure on the right). Additional costly measures, such as coatings, special steel grades or cathodic protection, become unnecessary. This gives the most efficient use of steel and the most cost-effective solution for durability.

O-Pile® Mariner’s double pipe thickness targets design life and the use of sacrificial thickness, exactly where you need it—the “Zone of High Attack.” With a 100’ pipe, the thickness of the upper 10’ of pipe (denoted by arrows) beats the corrosion allowance, while the bottom 90’ of the pipe is dialed-in to meet load bearing needs (See Figure 3).

9. Increased Savings

The increased Bending moment capabilities of O-Pile® allow the user to construct a stronger wall using much less steel, and hence at a much lower cost. O-Pile® works with our customers to ensure we meet your specific project needs. We don’t just sell you a product, we enter into a partnership that starts at the design stage and extends through implementation. Simply put, we deliver the most technically advanced and highly economical system available. Since we locally source pipes, we can always help you find the correct pile size in a broad range of steel grades, which allows you to implement a retaining wall or foundation structure with the best overall economy for all soil conditions and loading situations. O-Pile® offers a truly unmatched proven solution.

10. Ease of Installation

An O-Pile is much less challenging due to one single fact: O-Piles are supported throughout their installation, whereas combined sheet pile systems are not. Installation using WOF/WOM connections are simplified by the use of a template and panel installation method. The installation of the O-Pile section is similar to driving Z sheet pile pairs in a basic two frame template. At no stage is there a pipe pile entirely unsupported throughout its length as it is driven to grade. Each pipe is supported by adjacent pipes with a small lead ahead of the rest, ensuring accurate wall alignment.

Please go to the O-Pile tool at O-Pile.com to configure your specific O-Pile system, call or text us at 866-666-7453 or +1.512.243.1228 for technical assistance about the O-Pile system or how to use the tool.
11. **O-Pile**: via WADIT System – Watertight wall – WADIT, the globally proven sheet pile interlock sealant, comes pre-applied in the WOF interlock chamber before delivery to the job site. A purpose-built and globally proven sheet piling interlock sealant system, WADIT (short for WASSERDICHT, German for waterproof) is an environmentally friendly sealant that was developed to deliver robust water-stopping protection. WADIT is available for use anywhere with any type of sheet pile, including but not limited to O-Pile® and Z-Pile. The WADIT system can be utilized before driving sheet pile, in the middle interlock of already paired sheet pile and after the sheet pile has already been installed.

12. **O-PILE: 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 at levels of productivity not achieved before. DTH drilling has been used in these challenging environments: post glacial soils of Norway, boulders of Sweden, granite of Finland, deep bed rock of Hong Kong, through heavy structure in Macau, etc. The O-Pile®: DTH Pile is installed with the centric drilling method using ring bits of a larger diameter than standard bits. The ring bit drills a hole larger than the pile to accommodate the WOF/ WOM connectors. Diameter from 16” (323mm) to 36” (914.4mm), ranging from a wide range of diameter pipe can be installed using O-Pile®: DTH. See O-Pile® DTH Grid on page XX.

Predictable, quantifiable installation is possible even with difficult driving conditions, such as bed rock or job sites with heavy debris. Compared to driving a conventional combined sheet piles with beams or pipes, the installation using an O-Pile®: DTH system is much less challenging due to one single fact: O-Pile® systems are supported throughout their installation, whereas King pile combi-wall systems with pipes and beams are not.

Installation using flexible strong WOM/WOF connections are simplified by the use of a template and panel installation method. The installation of O-Pile®: DTH Piles is similar to driving sheet pile pairs in a basic two frame template. At no stage is there a pipe pile entirely unsupported throughout its length as it is driven to grade. Each pipe is supported by adjacent pipes with a small lead ahead of the rest, ensuring accurate wall alignment. (See Figure 4.)
What is an O-Pile system?

An O-shaped sheet pile is a pipe section with attached connector sections so that one section can be driven into the next to form a continuous steel wall with the same load bearing element.

According to BS EN 10248-2 (European version of ASTM), “Interlocks shall have adequate free play, so that the piles can be fitted into each other and they must engage in such a manner that the in service forces can be transmitted.” For non-flat sheet piling such as the interlock connecting system, Eurocode 3 BS EN 10248-2 also allows for a 4 mm minimum engagement distance in the interlocks in order to effectively transfer forces.

It is important to note that hot rolled sheet piling has this minimum engagement distance of 4 mm while cold formed does not necessarily. This is why cold formed does not always transfer shear forces as effectively as hot rolled sheet piling.

Why use an O-Pile sheet pile system?

Because we can take readily available pipes and begin a project to meet/exceed virtually any steel sheet piling requirements and begin delivery ready to install systems in days versus months.

How are z sheet pile and the O-Pile system similar?

They are both contiguous walls and hence much easier to install than a combined sheet pile wall.

What is bending moment important?

The best method for comparing SSP is via bending moment capacity, which incorporates the strength of the section due to its geometry (section modulus) and takes into account the steel grade: Bending moment capacity = elastic section modulus (mm^3) × minimum yield strength (kN/mm2) (without safety factor). The BMC of a sheet pile section with a section modulus of 4019 cm^3/m in a Steel Grade of S 355 is: 1427 (kNm/m) = 4.019 (m^3/m) x 355 (N/mm2). In the BMC of a sheet pile section with a section modulus of 2290 cm^3/m in a Steel Grade of S 355 is: 1427 (kNm/m) = 2.290 (m^3/m) x 355 (N/mm2) Decades ago, when there was predominantly only one steel grade, engineers used section modulus as the main design criteria. But now that many steel grades are available and production technology has evolved, we will likely see more and more higher grade steel options in the future. A higher grade of steel results in a stronger wall for less weight; thus, the best measure of strength to compare SSP systems is bending moment capacity, which incorporates section modulus and steel grade into one number independent of lifespan or safety factor. Incidentally, moment of inertia has no relationship to bending moment and is not typically a stand-alone criteria. Certain steel companies have pushed for moment of inertia to be placed as part of a primary specification and have, as a result, confused the term with the vital bending moment.

Where has the O-Pile system been used?

US, Canada, Japan, Russia, Ukraine, Norway, Finland, Sweden, Philippines and many other places.

Has the US Navy build an O-Pile system?

Yes.

When should I consider using an O-Pile system?

a) When you need a sheet pile section that is stronger than a Z 40 level under normal soil conditions.

b) When you need to install a wall into rock or boulders and you can not install a z sheet pile, please see the full details of how this is done by clicking here: www.o-pile.com/s/dth
**PilePro®**

The world leader in sheet piling connections

- Connectors for sheet piling and steel pipe walls  
  Technologically advanced

- Verbindungsprofile für Spundwände  
  Technologisch überlegen

- Perfiles de unión para tablestacas  
  Tecnológicamente avanzado

- Profilés de raccordement pour rideaux de palplanches  
  La supériorité technologique

- Profili per connessioni in palancolati  
  Tecnologicamente all’avanguardia

- Соединительные профильные элементы  
  для шпунтовых стенок  
  Интеллектуальная технология

**www.pilepro.com**

### Product Catalog

#### Combined Sheet Piles

<table>
<thead>
<tr>
<th>Pile Type</th>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Larsen</td>
<td>V 20</td>
<td>13</td>
</tr>
<tr>
<td>Ball &amp; Socket</td>
<td>35</td>
<td>81</td>
</tr>
<tr>
<td>Flat Sheet</td>
<td>61</td>
<td>87</td>
</tr>
<tr>
<td>Cold Formed</td>
<td>79</td>
<td>20</td>
</tr>
<tr>
<td>Pipe Sheet</td>
<td>24</td>
<td>46</td>
</tr>
<tr>
<td>LBM</td>
<td>20</td>
<td>46</td>
</tr>
<tr>
<td>WOM</td>
<td>31</td>
<td>53</td>
</tr>
<tr>
<td>PBS-M</td>
<td>25</td>
<td>53</td>
</tr>
<tr>
<td>PBS-F</td>
<td>27</td>
<td>53</td>
</tr>
<tr>
<td>B-Tank</td>
<td>29</td>
<td>49</td>
</tr>
<tr>
<td>Tank</td>
<td>31</td>
<td>55</td>
</tr>
<tr>
<td>LBM</td>
<td>31</td>
<td>55</td>
</tr>
<tr>
<td>WOM</td>
<td>31</td>
<td>57</td>
</tr>
<tr>
<td>WOM-XL</td>
<td>31</td>
<td>57</td>
</tr>
<tr>
<td>WOM-XL</td>
<td>31</td>
<td>57</td>
</tr>
<tr>
<td>O-Pile</td>
<td>95</td>
<td>91</td>
</tr>
</tbody>
</table>

**CAD Service**

Downloads of data sheets and CAD files of all PilePro® corner and connector sheet pile sections are available at www.pilepro.com.

PilePro® connectors are subject to technical modifications.

To place your order or for more information, dial toll-free nationwide: (866) 666 7453 ext. 1 or +1.512.4641130 or sales@pilepro.com.

*Delivery of the most typical connectors can be made to most US and EU destinations within 1-2 days.*

**2020**
PilePro®

Overview
PilePro® connectors are produced with the highest quality control standards. Every product utilizes advanced computer-aided manufacturing technologies which are then measured again by hand prior to shipment. This process guarantees that all dimensions are within precision tolerances to perfectly match the appropriate sheet piling section. PilePro® engineered profiles make it possible to replace traditionally fabricated connectors with a one-piece, seamless steel profile. These connectors are often modular and come to the contractor or end user as “ready to install” components. The stock is ready in our main markets, PilePro® also offers custom made-to-order connectors for infinite kinds of engineering solutions.

Announcing 24-Hour Delivery
PilePro knows immediate access to materials is critical to keep projects on time and budget. We now offer 24-hour Delivery, on in-stock Z sheet pile corner connectors, to your project job site or across most of the US. Or if 24-hour delivery is not available in your area, try Quick Delivery—order any quantity of in-stock connectors, and they’ll arrive to your job site within 2-4 days. Express Delivery is also available in the Northeast, we send our own truck and guarantee the shipment to arrive as promised or your product is free. There may be an additional charge for this service.

Ready to Ship
Most PilePro® connector solutions are in stock and available for immediate delivery to your project, typical arrival within the continental United States is between 2-4 days, some restrictions apply.

PilePro® Attributes
PilePro® connectors have effectively made fabricating corners and other archaic connection processes in steel piling construction relics of the past. For modern foundation and port construction projects, PilePro® connectors offer design engineers, contractors and project owners a cost-effective, readily available engineered solution that increases efficiency, ease of installation, and increases the strength of their retaining system.

DURABLE – PilePro® connectors are interlocked and attached to the sheet piling, thus, single unit integrity of the steel wall unit is always maintained. PilePro® corner connectors are stronger and more durable than other alternatives.

FLEXIBLE – Our patented precise engineering and superior design means PilePro® connectors have greater flexibility within the interlock, typically a 20° to 30° of swing compared to the 2° to 5° of swing found in most sheet pile interlocks.

Application Examples

Frequently Asked Questions:
Is there an additional cost to 24-hour turnaround delivery? None to a contractor or end user.
Can you order online and/or over the phone for 24-hour service? Online orders are processed quickly and efficiently; if you need to speak to a PilePro® connector expert about a next day delivery call (866) 666-7453.
Is there a cut-off time for next day delivery? Yes, next day orders should be placed by 9am Eastern Standard Time.
Please note:
1. The possibility of adjusting the profiles in the area of the interlock can vary due to size and rolling tolerances found in sheet pile interlocks
2. All angles specified are approximations and may vary
3. PilePro® connectors are protected by patents
4. PilePro® connectors are subject to technical modifications
5. Typical delivery terms and conditions for PilePro® connectors are in accordance to ASTM or EN 10248
6. Installation guidelines refer to both the steel sheet pile producers’ welding configurations and the German EAU’s. Further instructions are required only if the welding must be strengthened for anchor forces, shear forces, difficult driving conditions or other reasons.
To place your order or for more information, dial toll-free nationwide: 866.666.7453 or +1.512.243.1228 or info@isheetpile.com. Delivery of the most typical connectors can be made to most US destinations within 1 - 4 days. ©2020
To place your order or for more information, dial toll-free nationwide: 866.666.7453 or +1.512.243.1228 or info@isheetpile.com.

Delivery of the most typical connectors can be made to most US destinations within 1 - 4 days. ©2020
Overview

Delivery of the most typical connectors can be made to most US destinations within 1 - 4 days. ©2020

To place your order or for more information, dial toll-free nationwide: (866) 666 7453 ext. 1 or +1.512.4641130 or sales@pilepro.com.

For Larsson, U.Z2, Larsson with Larsson Strutline

<table>
<thead>
<tr>
<th>Corner &amp; Junction Piles</th>
</tr>
</thead>
<tbody>
<tr>
<td>V 20</td>
</tr>
<tr>
<td>Omega</td>
</tr>
<tr>
<td>Omega Tee</td>
</tr>
<tr>
<td>VTS</td>
</tr>
<tr>
<td>Combined Sheet Piles</td>
</tr>
<tr>
<td>V 22</td>
</tr>
<tr>
<td>PL</td>
</tr>
<tr>
<td>P-Task I / P-Task II</td>
</tr>
<tr>
<td>B-Task I / B-Task II</td>
</tr>
<tr>
<td>Tank</td>
</tr>
</tbody>
</table>

Transition Piles

For Larsson, U.Z2, Larsson with Larsson Strutline

Engangsprofilen Per Larsson & U.Z2

For Larsson, U.Z2, Larsson with Larsson Strutline

Eingangsprofile Per Larsson & U.Z2

For Larsson, U.Z2, Larsson with Larsson Strutline

Transitionsper pro Larsson & U.Z2
3. Adjust the connector to the appropriate position.
4. Tack or spot-weld the connector in place. Typically, a ~250mm (~10") weld attaching the connector to the sheet pile to the top is sufficient.

Installation:
1. Please review the proper interlocking examples that are listed.
2. Thread the connector into the interlock while the sheet pile is out of the ground.
3. Adjust the connector to the appropriate position.
4. Tack or spot-weld the connector in place. Typically, a ~250mm (~10") weld attaching the connector to the sheet pile to the top is sufficient.
5. Drive/extract the sheet pile (with the connector attached) as you would normally.

Properties:
- Steel grade: S355GP, S430GP
- Weight: ~8.85 lb/ft

For Larssen U, AZ, Hoesch with Larssen Schloss

Pour Larssen U, AZ, Hoesch avec gancio Larssen

Raccord variable de 30° à 150°

Per Larssen U, AZ, Hoesch con gancio Larssen

Campo di applicazione
1. Erstellen von Eckverbindungen mit zwei Schwenkbereichen.
2. Geeignet für Kreisrammungen mit Doppelbohlen (Auslenkung der Bohlen ~ 30° bis ~ 150°)
Alle Eckverbindungen können mit Doppelbohlen in S-Form erstellt werden.

Caratteristiche
- Qualità dell'acciaio: S355GP, S430GP
- Peso: ~13,2 kg/m

Zusammenbindung – 30° bis ~ 150°

Für Larssen U, AZ, Hoesch mit Larssen-Schloss

Einsatzgebiet
1. Erstellen von Eckverbindungen mit zwei Schwenkbereichen.
2. Geeignet für Kreisrammungen mit Doppelbohlen (Auslenkung der Bohlen ~ 30° bis ~ 150°)

Unión angular variable de ~ 30° a ~ 150°

Para Larssen U, AZ, Hoesch con ornamentos Larssen

Ámbito de aplicaciones
1. Formación de uniones angulares con dos lanas de giro
2. Adecuada para hincado circular con pilotes dobles (Involucin de adaptación de los pilotes entre ~ 30° y ~ 150°)
Todos las uniones angulares pueden formarse con pilotes dobles en forntas S.

Características
- Calidades de acero: S355GP, S430GP
- Peso: ~13,2 kg/m
To place your order or for more information, dial toll-free nationwide: (866) 666 7453 ext. 1 or +1.512.4641130 or sales@pilepro.com.

Delivery of the most typical connectors can be made to most US destinations within 1 - 4 days. ©2020

Omega

**For Omega corners (~70° to ~190°) with Larssen U/Z/AZ sheet piles**

**Installation**
1. Please review the proper interlocking examples that are blind.
2. Thread the connector into the interlock while the sheet pile is out of the ground.
3. Adjust the connector to the appropriate position.
4. Tack or spot weld the connector in place. Typically, a ~25mm (~1") weld attaching the connector to the sheet pile to the top is sufficient.
5. Drive or extract the sheet pile (with the connector attached) as you would normally.

**Properties**
- **Steel**
  - ASTM A572 Gr. 50 / 60
  - ASTM A690 MARINER® Steel
- **Weight**
  - ~12.1 kg/m
- **Nuances d’acier: S355GP, S430GP**
- **Omega-Eckverbindungen, Jogged-U-Walls**
  - For Larssen U, AZ, Hoesch with Larssen Schloss
  - Einzelpalancol
  - 1. Erstellung von Eckverbindungen für einen Schwenkbereich von ~70° bis ~190°
  - 2. Zwischenprofil für Kreisrammungen mit Einzelbohlen
  - 3. Anschweißprofil mit wahlweise doppeltem Abgang
  - 4. Geeignet für Jogged-U-Walls
  - 5. Geeignet zum Schließen von aufeinander zulaufenden Spundwänden

Das Profil Omega 12 zeichnet sich durch besonders große Vorschubmöglichkeiten im Schwenkbereich aus.

**Domaines d’emploi**
1. Raccordement pour une plage de pivotement complexe entre ~ 70° et ~ 190°
2. Profil intermédiaire pour forçage circulaire avec palancol simple
3. Raccord à l’aide de deux extrémités double
4. Pour les rideaux à rabat U
5. Fermé de choses de palancol jointives

Le raccord Omega 12 se distingue par ses possibilités de réglage particulièrement importantes dans la zone de la rotation.

**Caractéristiques**
- **Nom d’acier:** S355GP / S430GP
- **Dimensions:** ~12,1 kg/m

**Eigenschaften**
- **Stahlgüte:** S355GP, S430GP
- **Gewicht:** ~12,1 kg/m

Omega

**Connessioni per angolo Omega, profilo a U compatto**
- Per Larssen U, AZ, Hoesch con gancio Larssen

**Campo di applicazione**
1. Realizzazione di angoli nel range da ~70° a ~190°
2. Gancio intermedio per infissioni circolari con palancole singole
3. Profilo da cullare, a curva con doppi derivazione
4. Adatto per punti angolari composti con profili U / U
5. Adatto per congiungere tratti di palancol da direzione opposta

Particolarità del profilo Omega 12 il piano inglese possibilità di regolazione nella zona di giro.

**Caratteristiche**
- **Qualità dell’acciaio:** S355GP / S430GP
- **Peso:** ~12,1 kg/m

Omega

**Uniones angulares Omega, perfiles en U dentados**
- Para Larssen U, AZ, Hoesch con cerramiento Larssen

**Ámbito de aplicaciones**
1. Formación de uniones angulares para un área de giro de entre ~70° y ~190°
2. Perfil intermedio para líneas circulares con ganchos individuales
3. Perfil de soldadura con salida doble opcional
4. Adecuado para perfiles en U dentados - Jogged-U-Walls
5. Adecuado para cerrar Palancol que confluyen

El perfil Omega 12 se caracteriza por presentar amplias posibilidades de ajuste en el área de cimentación.

**Propiedades**
- **Calidad de acero:** S355GP / S430GP
- **Peso:** ~12,1 kg/m

Omega

**Омега-угловые соединительные элементы, зубчатые U-образные перегородки**
- Для Larssen U, AZ, Hoesch с замком Larssen

**Область применения**
1. Изготовление угловых соединительных элементов для угла поворота от ~70° до ~190°
2. Профильный профильный элемент при криволинейных замках двойных стоеч
3. Привариваемый профильный элемент с двойной поддержкой на выбор
4. Может быть использован для зубчатых U-образных перегородок

Может быть использовано для соединения соединительных уголев с другими угловыми стенками.

**Características**
- **Nombre del acero:** S355GP / S430GP
- **Peso:** ~12,1 kg/m

Omega

**Unidades angulares Omega, perfiles en U dentados**
- Para Larssen U, AZ, Hoesch con cerramiento Larssen

**Ámbito de aplicaciones**
1. Formación de uniones angulares para un área de giro de entre ~70° y ~190°
2. Perfil intermedio para líneas circulares con ganchos individuales
3. Perfil de soldadura con salida doble opcional
4. Adecuado para perfiles en U dentados - Jogged-U-Walls
5. Adecuado para cerrar Palancol que confluyen

El perfil Omega 12 se caracteriza por presentar amplias posibilidades de ajuste en el área de cimentación.

**Propiedades**
- **Calidad de acero:** S355GP / S430GP
- **Peso:** ~12,1 kg/m

Omega

**Omege-угловые соединительные элементы, зубчатые U-образные перегородки**
- Для Larssen U, AZ, Hoesch с замком Larssen

**Область применения**
1. Изготовление угловых соединительных элементов для угла поворота от ~70° до ~190°
2. Профильный профильный элемент при криволинейных замках двойных стоеч
3. Привариваемый профильный элемент с двойной поддержкой на выбор
4. Может быть использован для зубчатых U-образных перегородок

Может быть использовано для соединения соединительных уголев с другими угловыми стенками.
**Omega Tee**

**For Omega corners (~70° to ~190°)**, T corners, 90° corners

**Installation**
1. Please review the proper interlocking examples that are listed.
2. Thread the connector into the interlock while the sheet pile is out of the ground.
3. Adjust the connector to the appropriate position.
4. Tack or spot-weld the connector in place. Typically, a ~25mm (~1") weld attaching the connector to the sheet pile at the tip is sufficient.
5. Drive/extract the sheet pile (with the connector attached) as you would normally. When working with double piles, a single pile should be inserted between the double piles on one side of the swivel range.

**Properties**

**Steel**
- ASTM A572 Gr. 50/60
- ASTM A690 MARINER

**Weight**
- ~11.87 lb/ft
- ~17,7 kg/m

**Nuances d’acier**
- S355GP
- S430GP

**Eigenschaften**

**Stahlgüte**
- S355GP
- S430GP

**Gewicht**
- ~17,7 kg/m

**Eenheden**

**Zwarte stalen**
- S355GP
- S430GP

**Gewicht**
- ~17,7 kg/m

**Características**

**Material de acero**
- S355GP
- S430GP

**Peso**
- ~17,7 kg/m

**OMEGA TEE**

**Einsetzbeispiel**
1. Bauen und Verbinden von drei Spundwänden ohne Schweifarbeit (auch Schottbauweise)
2. Als Verbindungen ähnlich V 20
3. Einsatz als Omega-Verbindung
4. Für Kreisschweißungen mit Einerbohle

**For interlocking examples see Interlocking Examples tab**

**Schweißarbeit (auch Schottbauweise)**

**Domaines d’emploi**
1. Raccordement de trois pieux de palplanches sans soudure (même bâtiment à refends)
2. Comme raccord d’angle comparable à V 20
3. Utilisation comme raccord Omega
4. Pour hinceado circular con pilote individual

**For Larssen U, AZ, Hoesch con gancio Larssen**

**Campo de aplicaciones**
1. Conexión de tres pieles de palaplanche sin soldadura (igual edificio a refendos)
2. Como unión angular pareada a V 20
3. Uso como unión angular Omega
4. Para hincado circular con pilar individual

**Para hincado circular con pilote individual**

**Область применения**
1. Изготовление и соединение трёх шпунтовых стенок без сварки (также для перегородок)
2. Соединение соединительного элемента похожее на V 20
3. Использование как соединительный угол Omega
4. Для круговой забивки одиночной сваи

**Для Larssen U, AZ, Hoesch с замком Larssen**

**Ámbito de aplicaciones**
1. Conexión a 90°, conexión de tres palancoles sin soldadura (también en estructuras de manjares)
2. Conexión de media vuelta a 90°
3. Conexión de tres palancoles individuales
4. Para hincado circular con pilar individual

**Para hincado circular con pilote individual**

**Параметры**

**Конструктивные данные**
- S355GP
- S430GP

**Вес**
- ~17,7 кг/м
**VTS**

**For T-headers, 90° corners with Larssen U/Z/AZ sheet piles**

1. Please review the proper interlocking examples that are listed.
2. Thread the connector into the interlock while the sheet pile is out of the ground.
3. Adjust the connector to the appropriate position.
4. Tack or spot-weld the connector in place. Tack welding of the sheet pile to the top is sufficient.
5. Drive (or restrict the sheet pile with the connector attached) as you would normally.

**Properties**

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Grade</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>S355GP S430GP</td>
<td>ASTM A572 Gr. 50/60</td>
<td>~18.4 kg/m</td>
</tr>
</tbody>
</table>

**Eigenschaften**

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Grade</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>S355GP S430GP</td>
<td>ASTM A572 Gr. 50/60</td>
<td>~18.4 kg/m</td>
</tr>
</tbody>
</table>

For Larssen U, AZ, Hoesch with Larssen-Schluss

- **Einsatzgebiet**
  - **Für Larssen U, AZ, Hoesch mit Larssen-Schluss**
  - **Für Larssen U, AZ, Hoesch con gancio Larssen**
  - **Per Larssen U, AZ, Hoesch con cerramiento Larssen**

**Propiedades**

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Grade</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>S355GP S430GP</td>
<td>ASTM A572 Gr. 50/60</td>
<td>~18.4 kg/m</td>
</tr>
</tbody>
</table>

**Installation**

1. Insert or spot-weld the connector in place. Typically, a ~25mm (~1") weld attaching the connector to the sheet pile in the top is sufficient.

**Características**

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Grade</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>S355GP S430GP</td>
<td>ASTM A572 Gr. 50/60</td>
<td>~18.4 kg/m</td>
</tr>
</tbody>
</table>

**UNIONES EN T, unión angular de 90º, hincado circular adecuado para hincado individual**

For Larssen U, AZ, Hoesch con comúrnente Larssen

- **Ámbito de aplicaciones**
  - **Para Larssen U, AZ, Hoesch con comúrnente Larssen**
  - **Para Larssen U, AZ, Hoesch con unión angular de 90º**

**Ambito de aplicaciones**

- **Para Larssen U, AZ, Hoesch con unión angular de 90º**
- **Para Larssen U, AZ, Hoesch con unión angular de 90º**

**Disconnection of three sheet piles**

1. **Connessione di tre palancole senza saldatura**
   - **Per Larssen U, AZ, Hoesch con gancio Larssen**
   - **Per Larssen U, AZ, Hoesch con unión angular de 90º**

2. **Como unión angular parecida a V 20**
   - **~ 45°**
   - **~ 55°**

3. **Como unión angular parecida a V 20**
   - **~ 45°**
   - **~ 55°**

4. **Como unión angular parecida a V 20**
   - **~ 45°**
   - **~ 55°**

5. **Como unión angular parecida a V 20**
   - **~ 45°**
   - **~ 55°**

**Delivery of the most typical connectors can be made to most US destinations within 1 - 4 days. ©2020**

*To place your order or for more information, dial toll-free nationwide: (866) 666 7453 ext. 1 or +1.512.4641130 or sales@pilepro.com.*

*Delivery of the most typical corner piles can be made to most US and EU destinations within 2 to 4 days.*
COMBINED SHEET PILES

Installation

1. The pipes are delivered with the connectors already attached.
2. First, install the king piles (pipes) as you would in any combined sheet pile wall application.
3. Grasp the sheet piling and thread between the already installed pipe piles.
4. Increase flexibility in the middle interlocks of the sheet piles, combined with the swing of the connectors, to enable easier cutting and removal of the sheet pile from the water side.
5. All welding seams are a minimum ~6mm (~0.25”).
6. Both sides have a continuous minimum tip and toe welding with 200mm/m (8”/yd). The distance from seam to seam is ~800mm (~31.5”) or less.
7. In salt water, the water side is continuously welded on the toe welding with 200mm/m (8”/yd). The distance from seam to seam is ~800mm (~31.5”) or less.
8. In salt water, the water side is continuously welded on the entire pile length. Follow the instructions above for the reverse side of the pile, it is not in contact with salt water.

Properties

Steel grade: S355GP, S430GP
Weight: ~8,4 kg/m

Eigenschaften

Stahlgüte: S355GP, S430GP
Gewicht: ~8,4 kg/m

Profile Vario de salda

Per Larssen U, AZ, Hoesch con serramento Larssen

Campo di applicazione

1. Realizzazione di angoli e diramazioni con range di ~ 90°
2. Adatto per infissioni circolari
3. Realizzazione di palascolari combinati: Tubo + Larssen (profili U e Z)

Caratteristiche

Calidad de acero: S355GP, S430GP
Peso: ~8,4 kg/m

Perfil de soldadura Vario

Para Larssen U, AZ, Hoesch con cerramiento Larssen

Ámbito de aplicaciones

1. Formación de uniones angulares y bifurcaciones con línea de pie ~ 90° para medio de codo soldado
2. Adaptable para hincado circular
3. Formación de tablestacas combinadas: Tabo + Larssen (perfiles U y Z)

Características

Calidad de acero: S355GP, S430GP
Peso: ~8,4 kg/m

Construction details can be found on the PilePro® website.

To place your order or for more information, dial toll-free nationwide: (866) 666 7453 ext. 1 or +1.512.4641130 or sales@pilepro.com.

Delivery of the most typical connectors can be made to most US destinations within 1 - 4 days.

©2020
PL (Combined Sheet Piles)

For combined walls (Peiner-type beams) with Larssen-U sheet piles

Installation
1. Install the Peiner Beams first.
2. Lay the sheet piling horizontally and thread the connector into the interlock of the sheet piling, adjusting the connector to the appropriate position (please review the proper interlocking examples). This can be done at the mill, at a distributor’s yard, or on the job site (go here: www.pilepro.com/thread).
3. Tack or spot weld the connector in place. Typically, a ~250mm (~10”) weld attaching the connector to the sheet pile to the top is sufficient.
4. Grasp the sheet pile (with connector already attached) and thread between the already installed Peiner type beams.
5. Lower drive the sheet piling to the level of the Peiner type beams.

Properties
Steel grade: S355GP, S430GP
Weight: ~11.67 lb / ft

Eigenschaften
Stahlgrad: S355GP, S430GP
Gewicht: ~17,4 kg/m

Caratteristiche
Qualità dell’acciaio: S355GP, S430GP
Peso: ~17,4 kg/m

For more information, dial toll-free nationwide: 866.666.7453 or +1.512.243.1228 or info@isheetpile.com.
P-Tank I, P-Tank II (Combined Sheet Piles)

For ultra-sturdy combined walls (profiler type beams) with Larssen UAZ sheet piles

Installation

1. Install the Peiner Beams first.
2. Lay the sheet piling horizontally and thread the connector into the interlock of the sheet piling, adjusting the connector to the appropriate position (please review the proper interlocking examples). This can be done at the mill, at a distributor’s yard, or on the job site (see here: www.pilepro.com/thread).
3. Tank or spot weld the connector in place. Typically, a ~ 25mm (~1") weld attaching the connector to the sheet pile is sufficient.
4. Grasp the sheet pile (with connector already attached) and thread between the already installed Peiner type beams.
5. Lower/drive the sheet piling to the level of the Peiner type beams.

Properties

<table>
<thead>
<tr>
<th>Steelgrade</th>
<th>S355GP, S430GP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight P-Tank I</td>
<td>~17.10 lb/ft</td>
</tr>
<tr>
<td>Weight P-Tank II</td>
<td>~25.5 kg/m</td>
</tr>
<tr>
<td>Thickness</td>
<td>0.47 &quot;</td>
</tr>
</tbody>
</table>

Eigenschaften

<table>
<thead>
<tr>
<th>Material</th>
<th>S355GP, S430GP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gewicht P-Tank I</td>
<td>~26.0 kg/m</td>
</tr>
<tr>
<td>Gewicht P-Tank II</td>
<td>~26.0 kg/m</td>
</tr>
<tr>
<td>Wandstärke</td>
<td>12 mm</td>
</tr>
</tbody>
</table>

Propiedades

<table>
<thead>
<tr>
<th>Calidad de acero</th>
<th>S355GP, S430GP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peso P-Tank I</td>
<td>~25.5 kg/m</td>
</tr>
<tr>
<td>Peso P-Tank II</td>
<td>~26.0 kg/m</td>
</tr>
<tr>
<td>Espesor de pared</td>
<td>12 mm</td>
</tr>
</tbody>
</table>

To place your order or for more information, dial toll-free nationwide: 866.666.7453 or +1.512.243.1228 or info@isheetpile.com

Delivery of the most typical connectors can be made to most US destinations within 1 - 4 days. ©2020

No place your order or for more information, dial toll-free nationwide: (866) 666 7453 ext. 1 or +1.512.4641130 or sales@pilepro.com.

Delivery of the most typical connectors can be made to most US and EU destinations within 2 to 4 days.
B-Tank I, B-Tank II (Combined Sheet Piles)

B-Tank I, B-Tank II

For ultra-sturdy combined walls (wide flange beams) with Larssen Z AZ sheet piles.

Installation
1. The beams are delivered with the connectors already attached.
2. First, install the king piles (beams) as you would in any combined sheet pile wall application.
3. Grasp the sheet piling and thread between the already installed beams.
4. All welding seams are a minimum ~6mm (~0.25”).
5. Both sides have a continuous minimum tip and toe welding of ~500mm (~20”).
6. Both sides are tank welded in the flue length between tip and toe welding with ~200mm (~8”) or less.
7. In salt water, the water side is continuously welded on the whole pile length. Follow the instructions above for the reverse side of the pile, if it is not in contact with salt water.

Eigenschaften

<table>
<thead>
<tr>
<th>Stahlqualität</th>
<th>S355GP / S430GP</th>
<th>ASTM A572 Gr. 50/60</th>
<th>ASTM A572 Gr. 50/60</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gew. B-Tank I</td>
<td>~ 19,6 kg/m</td>
<td>~ 19,8 kg/m</td>
<td>~ 19,6 kg/m</td>
</tr>
<tr>
<td>Gew. B-Tank II</td>
<td>~ 19,8 kg/m</td>
<td>~ 19,8 kg/m</td>
<td>~ 19,8 kg/m</td>
</tr>
<tr>
<td>Dicke:</td>
<td>12 mm</td>
<td>12 mm</td>
<td>12 mm</td>
</tr>
</tbody>
</table>

Propiedades

<table>
<thead>
<tr>
<th>Calidad de acero</th>
<th>S355GP / S430GP</th>
<th>ASTM A572 Gr. 50/60</th>
<th>ASTM A572 Gr. 50/60</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peso B-Tank I</td>
<td>~ 19,6 kg/m</td>
<td>~ 19,8 kg/m</td>
<td>~ 19,6 kg/m</td>
</tr>
<tr>
<td>Peso B-Tank II</td>
<td>~ 19,8 kg/m</td>
<td>~ 19,8 kg/m</td>
<td>~ 19,8 kg/m</td>
</tr>
<tr>
<td>Espesor de pila</td>
<td>~ 12 mm</td>
<td>~ 12 mm</td>
<td>~ 12 mm</td>
</tr>
</tbody>
</table>

Características

<table>
<thead>
<tr>
<th>Material de acero</th>
<th>S355GP / S430GP</th>
<th>ASTM A572 Gr. 50/60</th>
<th>ASTM A572 Gr. 50/60</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peso B-Tank I</td>
<td>~ 19,6 kg/m</td>
<td>~ 19,8 kg/m</td>
<td>~ 19,6 kg/m</td>
</tr>
<tr>
<td>Peso B-Tank II</td>
<td>~ 19,8 kg/m</td>
<td>~ 19,8 kg/m</td>
<td>~ 19,8 kg/m</td>
</tr>
<tr>
<td>Espesor de pila</td>
<td>~ 12 mm</td>
<td>~ 12 mm</td>
<td>~ 12 mm</td>
</tr>
</tbody>
</table>

Para el envío de las piezas más comunes se dispone del envío al norte y sur de EU y de la mayoría de los destinos de los Estados Unidos en 2 a 4 días. ©2020
Tank (Combined Sheet Piles)

For ultra-sturdy combined walls (pipes) with Larssen Z/AZ sheet piles

Installation
1. Please review the proper interlocking examples that are listed.
2. Thread the connector into the interlock while the sheet pile is out of the ground.
3. Adjust the connector to the appropriate position.
4. Tack or spot-weld the connector in place. Typically, a ~25mm (~1") weld attaching the connector to the sheet pile to the top is sufficient.
5. Drive/inset the sheet pile (with the connector attached) as you would normally.

Tank

Extra stable Anschweißprofil
Für Larssen Z-Böhlen

Einsatzgebiet
1. Entstehen von Eckverbindungen und Abzweigungen
2. Anschweißprofil für Rohre zum Erstellen von Kombiwänden

Tank

Profile aoúde extra-stable
Par Larssen Z 2

Domain d'utilisation
1. Constitution de raccordements d'angles et de bifurcations
2. Profilé soude pour tubes dans le but de constituer des cloisons combinées

Caractéristiques
Nominaux d'aluminium: S355GP S430GP
ASTM A572 Gr. 50/60
ASTM A690 MARINER® Steel
Poids: ~19,4 kg/m
Epaisseur de parec: 12 mm

Properties
Steelgrade: S355GP, S430GP
ASTM A572 Gr. 50/60
ASTM A690 MARINER® Steel
Weight: ~13.04 lb / ft
Thickness: 0.47 in

Caractéristique
Qualité d'acier: S355GP S430GP
ASTM A572 Gr. 50/60
ASTM A690 MARINER® Steel
Poids: ~19,4 kg/m
Espessure de parec: 12 mm

Características
Calidad de acero: S355GP, S430GP
ASTM A572 Gr. 50/60
ASTM A690 MARINER® Steel
Peso: ~19,4 kg/m
Espesor de pared: 12 mm

Característica
Calidad de acero: S355GP S430GP
ASTM A572 Gr. 50/60
ASTM A690 MARINER® Steel
Peso: ~19,4 kg/m
Espesor: 12 mm

Extra stability with Larssen Z/AZ sheet piles

Carcacterísticas
Nombre del acero: S355GP, S430GP
ASTM A572 Gr. 50/60
ASTM A690 MARINER® Steel
Peso: ~19,4 kg/m
Espesor de pared: 12 mm

Eigenschaften
Stahlgüte: S355GP, S430GP
ASTM A572 Gr. 50/60
ASTM A690 MARINER® Steel
Gewicht: ~19,4 kg/m
Mauendicke: 12 mm

Propiedades
Calidad de acero: S355GP, S430GP
ASTM A572 Gr. 50/60
ASTM A690 MARINER® Steel
Peso: ~19,4 kg/m
Espesor de pared: 12 mm

Para pilotes en Z Larssen

Ambito di applicazioni
1. Formazione di angoli e bifurcazioni
2. Profilo da saldare per tubi per formare pareti composte

Caratteristiche
Qualità dell'acciaio: S355GP, S430GP
ASTM A572 Gr. 50/60
ASTM A690 MARINER® Steel
Peso: ~19,4 kg/m
Espessor: 12 mm

Качество стали: S355GP, S430GP
ASTM A572 Gr. 50/60
ASTM A690 MARINER® Steel
Вес: ~19,4 кг/м
Толщина стенки: 12 мм

Parameter
Kleinfuss-Steel: S355GP, S430GP
ASTM A572 Gr. 50/60
ASTM A690 MARINER® Steel
Peso: ~19,4 kg/m
Espesor: 12 mm

Cheilnzu bond steel:

Materiais
Material de aço: S355GP, S430GP
ASTM A572 Gr. 50/60
ASTM A690 MARINER® Steel
Peso: ~19,4 kg/m
Espesor: 12 mm

To place your order or for more information, dial toll-free nationwide: (866) 666 7453 ext. 1 or +1.512.4641130 or sales@pilepro.com.

Delivery of the most typical connectors can be made to most US destinations within 1 - 4 days. ©2020
**LBM / LBF**

**For AZ/Larssen to PZ/PZC (ball & socket) transitions**

**Installation**
1. Please review the proper interlocking examples that are listed.
2. Thread the connector into the interlock while the sheet pile is out of the ground.
3. Adjust the connector to the appropriate position.
4. Tack or spot weld the connector in place. Typically, a ~25mm (~1") weld attaching the connector to the sheet pile is to the top is sufficient.
5. Drive/extract the sheet pile (with the connector attached) as you would normally.

**Properties**

<table>
<thead>
<tr>
<th>Description</th>
<th>LBM</th>
<th>LBF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material Grade</td>
<td>S355GP S430GP</td>
<td>ASTM A572 Gr. 50/60</td>
</tr>
<tr>
<td>Weight LBM</td>
<td>~7.7 lb / ft</td>
<td>~7.7 lb / ft</td>
</tr>
<tr>
<td>Weight LBF</td>
<td>~8.7 lb / ft</td>
<td>~8.7 lb / ft</td>
</tr>
</tbody>
</table>

**Eigenschaften**

<table>
<thead>
<tr>
<th>Eigenschaften</th>
<th>LBM</th>
<th>LBF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material Grade</td>
<td>S355GP S430GP</td>
<td>ASTM A572 Gr. 50/60</td>
</tr>
<tr>
<td>Gewicht LBM</td>
<td>~11.3 kg / m</td>
<td>~11.3 kg / m</td>
</tr>
<tr>
<td>Gewicht LBF</td>
<td>~11.3 kg / m</td>
<td>~11.3 kg / m</td>
</tr>
</tbody>
</table>

**Domaines d’emploi**

1. Pour raccorder des palancoles PZC (Ball + Socket) aux palancoles en U ou en Z type Larssen
2. Pour raccorder des palancoles en U ou en Z Larssen aux palancoles PZC (Ball + Socket)

**Caractéristiques**

<table>
<thead>
<tr>
<th>Caractéristique</th>
<th>LBM</th>
<th>LBF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hauteur mélangeur</td>
<td>~11.5 kg / m</td>
<td>~11.5 kg / m</td>
</tr>
<tr>
<td>Profil LBM</td>
<td>~11.3 kg / m</td>
<td>~11.3 kg / m</td>
</tr>
<tr>
<td>Profil LBF</td>
<td>~11.3 kg / m</td>
<td>~11.3 kg / m</td>
</tr>
</tbody>
</table>

**Raccord de transition**

Pour Larssen U, AZ, Hoesch avec serrure Larssen

**Campos de aplicación**

1. Perfiles de transición de palacos Z Larssen a palacos en U de Larssen
2. Perfiles de transición de palacos en U a palacos Z Larssen

** kommentieren**

1. Übergangsprofile von PZC-Bohlen (Ball + Socket) auf U- oder Larssen-Z-Bohlen
2. Übergangsprofile von U- oder Larssen-Z-Bohlen zu PFC-Bohlen (Ball + Socket)

**Características**

<table>
<thead>
<tr>
<th>Característica</th>
<th>LBM</th>
<th>LBF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calidad de acero</td>
<td>S355GP S430GP</td>
<td>ASTM A572 Gr. 50/60</td>
</tr>
<tr>
<td>Peso LBM</td>
<td>~11.3 kg / m</td>
<td>~11.3 kg / m</td>
</tr>
<tr>
<td>Peso LBF</td>
<td>~11.3 kg / m</td>
<td>~11.3 kg / m</td>
</tr>
</tbody>
</table>

**To place your order or for more information, dial toll-free nationwide: 866.666.7453 or +1.512.243.1228 or info@isheetpile.com**

Delivery of the most typical connectors can be made to most US destinations within 1 - 4 days. ©2020
Ball & Socket

To place your order or for more information, dial toll-free nationwide: 866.666.7453 or +1.512.243.1228 or info@isheetpile.com

Delivery of the most typical connectors can be made to most US destinations within 1 - 4 days. ©2020
For 45° Corners (+/- 45°) with PZ/PZC (Ball & Socket)

Installation
1. Please review the proper interlocking examples that are listed.
2. Thread the connector into the interlock while the sheet pile is out of the ground.
3. Adjust the connector to the appropriate position.
4. Tack or spot-weld the connector in place. Typically, a ~250mm (~10") weld attaching the connector to the sheet pile to the top is sufficient.
5. Drive/extract the sheet pile (with the connector attached) as you would normally.

Properties
- Steel grade: S355GP, S430GP
- Weight: ~6.84 lb / ft
- General: ~10.2 kg/m

Steel grade:
- ASTM A572 Gr. 50/60
- ASTM A690 MARINER™ Steel

For 45° Corners
- For PZ and PZC (Ball + Socket)
- For 45° Corners
- Unions angulaires de 45°
- 45° Eckverbindung
- Unión angular de 45°
- Угловой соединительный элемент 45°

Unions angulaires de 45°
- For PZ and PZC (Ball + Socket)
- For 45° Corners
- Uniones angulares de 45°
- 45° Eckverbindung
- Unión angular de 45°
- Угловой соединительный элемент 45°
5. Drive/extract the sheet pile (with the connector attached) as you would normally.

3. Adjust the connector to the appropriate position.

4. Tack or spot-weld the connector in place. Typically, a ~250mm (~10") weld attaching the connector to the sheet pile to the top is sufficient.

5. Drive/install the sheet pile (with the connector attached) as you would normally.

---

**Properties**

- **Sheet grade:** S355GP, S430GP
- **ASTM A572 Gr. 50/60**
- **ASTM A690 MARINER™ Steel**
- **Steel grade:** S355GP, S430GP

**Weights**

- ~7.21 / ~7.51 lb/ft
- ~10,9 / ~11,2 kg/m

**Eigenschaften**

- **Stahlgüten:** S355GP, S430GP
- **ASTM A572 Gr. 50/60**
- **ASTM A690 MARINER™ Steel**
- **Gewichte:** ~10,9 / ~11,2 kg/m

**Características**

- **Calidades de acero:** S355GP, S430GP
- **ASTM A572 Gr. 50/60**
- **ASTM A690 MARINER™ Steel**
- **Peso:** ~10,9 / ~11,2 kg/m

---

**Installation**

1. Please review the proper interlocking examples that are listed.
2. Thread the connector into the interlock while the sheet pile is out of the ground.
3. Adjust the connector to the appropriate position.
4. Tack or spot-weld the connector in place. Typically, a ~250mm (~10") weld attaching the connector to the sheet pile to the top is sufficient.
5. Drive/install the sheet pile (with the connector attached) as you would normally.

---

**About PilePro**

To place your order or for more information, dial toll-free nationwide: 866.666.7453 or +1.512.243.1228 or info@isheetpile.com

Delivery of the most typical connectors can be made to most US destinations within 1 - 4 days. ©2020 PilePro
5. Drive/extract the sheet pile (with the connector attached) as you would normally.

3. Adjust the connector to the appropriate position.

4. Tack or spot-weld the connector in place. Typically, a ~250mm (~10”) weld attaching the connector to the sheet pile is out of the ground.

Properties
- Steel grade: S355GP, S430GP
- Weight: ~7.44 lb / ft
- Depth: ASTM A690 MARINER™ Steel
- Width: ASTM A572 Gr. 50/60

For 135° Corners
- Weight: ~11.1 kg/m
- Steel grade: S355GP, S430GP

To place your order or for more information, dial toll-free nationwide: 866.666.7453 or +1.512.243.1228 or info@isheetpile.com

Delivery of the most typical connectors can be made to most US destinations within 1 - 4 days.
For T-corners, 90° corners (+/- 40°) with PZ/PZC (Ball & Socket) sheet piles

Installation
1. Please review the proper interlocking examples that are listed.
2. Thread the connector into the interlock while the sheet pile is out of the ground.
3. Adjust the connector to the appropriate position.
4. Tack or spot-weld the connector in place. Typically, a ~250mm (~10") weld attaching the connector to the sheet pile is sufficient.
5. Drive/extract the sheet pile (with the connector attached) as you would normally.

Properties
Sheet grades: S355GP, S430GP
ASTM A572Gr. 50/60
ASTM A690 MARINER™ Steel

Weight: ~8.99 lb / ft
~13.4 kg/m

For PZ and PZC (Ball and Socket)

Para PZ y PZC (Ball and Socket)

Connessione di tre palancole
Verbinden von drei Spundwänden
Connexion de trois palplanches

Paramètres
Pour PZ et PZC (maschio e femmina)
Connessione per angolo a 90°
T-Verbindung,
Raccordement de trois palplanches
Connexions d'angle (90°)

American Standard
American Standard
American Standard

ASTM A572 Gr. 50/60
ASTM A690 MARINER™ Steel
ASTM A572 Gr. 50/60

Weight:
~13.4 kg/m

2. Thread the connector into the interlock while the sheet pile is out of the ground.
3. Adjust the connector to the appropriate position.
4. Tack or spot-weld the connector in place. Typically, a ~250mm (~10") weld attaching the connector to the sheet pile is sufficient.
5. Drive/extract the sheet pile (with the connector attached) as you would normally.

Properties
Sheet grades: S355GP, S430GP
ASTM A572Gr. 50/60
ASTM A690 MARINER™ Steel

Weight: ~13.4 kg/m

Pour PZ et PZC (Ball + Socket)

Connexion en T,
Raccord d'angle (90°)
Connexion T,
Connexion d'angle (90°)

Paramètres
Pour PZ et PZC (Ball and Socket)

ASTM A572 Gr. 50/60
ASTM A690 MARINER™ Steel
ASTM A572 Gr. 50/60

Weight:
~13.4 kg/m

For PZ and PZC (Ball and Socket)

Para PZ y PZC (Ball and Socket)

Connexion en T,
Raccord d'angle (90°)
Connexion T,
Connexion d'angle (90°)

Paramètres
Pour PZ et PZC (Ball and Socket)

ASTM A572 Gr. 50/60
ASTM A690 MARINER™ Steel
ASTM A572 Gr. 50/60

Weight:
~13.4 kg/m

For PZ and PZC (Ball and Socket)
Installation

1. Please review the proper interlocking examples that are listed.
2. Thread the connector into the interlock while the sheet pile is out of the ground.
3. Adjust the connector to the appropriate position.
4. Tack or spot-weld the connector in place. Typically, a ~250mm (~10") weld attaching the connector to the sheet pile is out of the ground.
5. Drive/extract the sheet pile (with the connector attached) as you would normally.

Properties

- Weight: ~14.4 kg/m
- Steel grade: S355GP, S430GP
- ASTM A572 Gr. 50/60
- ASTM A690 MARINER™ Steel
- G460 Steel

Nuances d’acier: S355GP, S430GP
Caractéristiques
Eigenschaften

<table>
<thead>
<tr>
<th>Material</th>
<th>Grade</th>
<th>Weight</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTM A572 Gr. 50/60</td>
<td></td>
<td>14.4 kg/m</td>
<td>~70.7 mm x ~32.4 mm</td>
</tr>
<tr>
<td>ASTM A690 MARINER™ Steel</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>G460 Steel</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Einsatzgebiet

- Verbinden von drei Spundwänden
- T-Verbindung,
- Unión angular de 90º
- T-образное соединение,
- Соединение трех шпунтовых стенок

Domaines d'emploi

- Raccordement de trois palplanches
- Raccord d'angle (90°)
- Raccord en T,
- Connexion de trois tablestacas

Caractéristiques

<table>
<thead>
<tr>
<th>Nom d’acier</th>
<th>Grade</th>
<th>Poids</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>S355GP+S430GP</td>
<td></td>
<td>~14.4 kg/m</td>
<td>~70.7 mm x ~32.4 mm</td>
</tr>
<tr>
<td>ASTM A572 Gr. 50/60</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ASTM A690 MARINER™ Steel</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>G460 Steel</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Т-образное соединение, угловой соединительный элемент 90°
Connessione a T, connessione per angolo a 90°

<table>
<thead>
<tr>
<th>Материал</th>
<th>Сорт</th>
<th>Вес</th>
<th>Размер</th>
</tr>
</thead>
<tbody>
<tr>
<td>S355GP+S430GP</td>
<td></td>
<td>~14.4 кг/м</td>
<td>~70.7 мм x ~32.4 мм</td>
</tr>
<tr>
<td>ASTM A572 Gr. 50/60</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ASTM A690 MARINER™ Steel</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>G460 Steel</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Peso: ~14,4 kg/m
Calidades de acero: S355GP, S430GP
Propiedades

- Peso: ~14,4 kg/m
- Calidades de acero: S355GP, S430GP
- ASTM A572 Gr. 50/60
- ASTM A690 MARINER™ Steel
- G460 Steel

<table>
<thead>
<tr>
<th>Material</th>
<th>Grade</th>
<th>Peso</th>
<th>Dimensiones</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTM A572 Gr. 50/60</td>
<td></td>
<td>14,4 kg/m</td>
<td>~70,7 mm x ~32,4 mm</td>
</tr>
<tr>
<td>ASTM A690 MARINER™ Steel</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>G460 Steel</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Ambito di applicaciones

- Unión de tres sideras
- Unión angular de 90º
- Para PZ y PZC (maschio e femmina)

Caratteristiche

<table>
<thead>
<tr>
<th>Nome dell’acciaio</th>
<th>Grade</th>
<th>Peso</th>
<th>Dimensioni</th>
</tr>
</thead>
<tbody>
<tr>
<td>S355GP+S430GP</td>
<td></td>
<td>14,4 kg/m</td>
<td>~70,7 mm x ~32,4 mm</td>
</tr>
<tr>
<td>ASTM A572 Gr. 50/60</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ASTM A690 MARINER™ Steel</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>G460 Steel</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

B = 71 mm
H = 70,7 mm

<table>
<thead>
<tr>
<th>Параметры</th>
<th>Качество стали</th>
<th>Вес</th>
<th>Размер</th>
</tr>
</thead>
<tbody>
<tr>
<td>S355GP+S430GP</td>
<td></td>
<td>~14,4 кг/м</td>
<td>~70,7 мм x ~32,4 мм</td>
</tr>
</tbody>
</table>
1. Please review the proper interlocking examples that are listed.
2. Thread the connector into the interlock while the sheet pile is out of the ground.
3. Adjust the connector to the appropriate position.
4. Tack or spot-weld the connector in place. Typically, a ~250mm (~10") weld attaching the connector to the sheet pile is the top is sufficient.
5. Demount the sheet pile (with the connector attached) as you would normally.

Properties

Steel grade: S355GP, S430GP

Weight: ~16.2 kg/m

Eigenschaften

Qualität der Stähle: S355GP, S430GP

Gewicht: ~16.2 kg/m

Caractéristiques

Nouveau de l’acier: S355GP, S430GP

Poids: ~16.2 kg/m
### Installation

1. Please review the proper interlocking examples that are listed.
2. Thread the connector into the interlock while the sheet pile is out of the ground.
3. Adjust the connector to the appropriate position.
4. Tack or spot-weld the connector in place. Typically, a ~250mm (~10”) weld attaching the connector to the sheet pile at the top is sufficient.

### Bullhead

For T-joints, 90° corners (+/- 40°) with PZ/PZC (Ball & Socket) sheet piles

### Bullhead

T-Verbindung, 90° Eckverbindung

Für PZ und PZC (Ball and Socket)

### Bullhead

Unión en T, unión angular de 90°

Para PZ y PZC (Ball and Socket)

### Bullhead

Connessione angolare di 90°

Per PZ e PZC (maschio e femmina)

### Bullhead

Raccordo a T,

Per PZ e PZC (ball + socket)

### Bullhead

Verbinden von drei Spundwänden

### Bullhead

Connessione di tre palancole

### Bullhead

Domaines d'utilisation

Raccordement de trois palplanches

### Bullhead

Caractéristiques

Raccord en T, raccord d'angle (90°)

Pour PZ et PZC (Ball + Socket)

### Bullhead

Eigenschaften

Verbinden von drei Spundwänden

### Bullhead

Propiedades

Los pies de acero: S355GP, S430GP

### Bullhead

Замок, поставленный на ребро

Т-образное соединение, угловой соединительный элемент 90°

Для PZ и PZC (шар и гнездо)

### Bullhead

Ampio de aplicaciones

Unión de tres palancoles

### Bullhead

Область применения

Соединение трех шпунтовых стенок

### Bullhead

Properties

Material grade: S355GP, S430GP

ASTM A690 MARINER™ Steel

ASTM A572 Gr. 50/60

Steel grade: S355GP, S430GP

Weight: ~9.72 lb / ft

Peso: ~14,5 kg/m

Calidades de acero: S355GP, S430GP

### Bullhead

Параметры

Качество стали: S355GP, S430GP

ASTM A690 MARINER™ Steel

ASTM A572 Gr. 50/60

Вес: ~14,5 kg/m

Качество стали: S355GP, S430GP

- ASTM A690 MARINER™ Steel
- ASTM A572 Gr. 50/60

- Peso: ~14,5 kg/m
**BBS-M / BBS-F one leg (Combined Sheet Piles)**

**For combined walls (wide flange beams) with PZ/PZC (Ball & Socket) sheet piles.**

**Installation**

1. The beams are delivered with the connectors already attached.
2. First, install the king piles (beams) as you would in any combined sheet pile wall application.
3. Grasp the sheet piling and thread between the already installed beams.
4. All welding sizes are a minimum (~4mm (~.25”)).
5. Both sides have a continuous minimum tip and toe welding of (~500mm (~20”).
6. Both sides are tack welded in the free length between tip and toe welding with ~300mm (~12”) or less.
7. In salt water, the water side is continuously welded on the whole pile length. Follow the instructions above for the reverse side of the pile, if it is not in contact with salt water.

**Properties**

- **Weight BBS-M one leg**: ~ 6.50 lb / ft
- **Weight BBS-F one leg**: ~ 7.58 lb / ft
- **Steel grade**: S355GP, S430GP

**Eigenschaften**

- **Gewicht BBS-M one leg**: ~ 9,7 kg/m
- **Gewicht BBS-F one leg**: ~11,3 kg/m
- **Stahlgüten**: S355GP, S430GP

**Weight BBS-M one leg**: ~ 9,7 kg/m

**Weight BBS-F one leg**: ~11,3 kg/m

**Características**

- **Peso BBS-M one leg**: ~9,7 kg/m
- **Peso BBS-F one leg**: ~11,3 kg/m

**Profilato parete combinata**

- **Peso BBS-M one leg**: ~9,7 kg/m
- **Peso BBS-F one leg**: ~11,3 kg/m

**Качество стали**: S355GP, S430GP

**Caratteristiche**

- **Peso BBS-M one leg**: ~9,7 kg/m
- **Peso BBS-F one leg**: ~11,3 kg/m

**Параметры**

- **Вес BBS-M one leg**: ~ 9,7 кг/м
- **Вес BBS-F one leg**: ~11,3 кг/м

**For more information, dial toll-free nationwide: 866.666.7453 or +1.512.243.1228 or info@isheetpile.com**

**BBS-M / BBS-F one leg**

**Perfil de pantalla combinada**

- **Peso BBS-M one leg**: ~9,7 kg/m
- **Peso BBS-F one leg**: ~11,3 kg/m

**Para PZ y PZC (Ball and Socket)**

**Ambito di applicazioni**

- **Peso BBS-M one leg**: ~9,7 kg/m
- **Peso BBS-F one leg**: ~11,3 kg/m

**Комбинированный стеновой профильный элемент**

**Для PZ и PZC (шар и гнездо)**

**Область применения**

- **Вес BBS-M one leg**: ~ 9,7 кг/м
- **Вес BBS-F one leg**: ~11,3 кг/м

**For combined walls with wide flange beams (PZ/PZC (Ball & Socket) sheet piles).**

**For PZ and PZC (Ball and Socket) profiles.**

**Realizzazione di pareti combinate con travi e perimetri PZ/PZC.**

**Raccord pour rideaux mixtes PZ/PZC (maschio e femmina).**

**Rideaux mixtes avec des poutres de soutien et des profils PZ/PZC.**

**Realizzazione di pareti combinate con travi e perimetri PZ/PZC.**

**Rideaux mixtes avec des poutres de soutien et des profils PZ/PZC.**

**Realizzazione di pareti combinate con travi e perimetri PZ/PZC.**
**Installation**

1. Install the Peiner Beams first.
2. Lay the sheet piling horizontally and thread the sheet pile to the top is sufficient.
3. Attach the connector at the appropriate position (please review the proper interlocking examples). This can be done at the mill, at a distributor's yard, or on the job site (go here: www.pilepro.com/thread).
4. Grasp the sheet pile (with connectors already attached) and thread between the already installed Peiner type beams.
5. Lower/drive the sheet piling to the level of the Peiner type beam.

**Properties**

<table>
<thead>
<tr>
<th>PBS-M</th>
<th>PBS-F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>~13.4 kg/m</td>
</tr>
<tr>
<td>Steel grade</td>
<td>S355GP, S430GP</td>
</tr>
</tbody>
</table>

**PilePro® Ball & Socket**

**PBS-M / PBS-F**

For combined walls (Peiner type beams) with PZ/PZC (Ball & Socket) sheet piles.

**Domaines d’emplois**

Réaliser de murs mixtes avec des poutres de soutien et des profilés PZ/PZC.

**Eigenschaften**

<table>
<thead>
<tr>
<th>Material</th>
<th>Weight PBS-M</th>
<th>Weight PBS-F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steel grade</td>
<td>S355GP, S430GP</td>
<td>S355GP, S430GP</td>
</tr>
<tr>
<td>Weight PBS-M</td>
<td>~13.4 kg/m</td>
<td>~15.9 kg/m</td>
</tr>
<tr>
<td>Weight PBS-F</td>
<td>~10.66 lb/ft</td>
<td>~15.9 lb/ft</td>
</tr>
</tbody>
</table>

**Caractéristiques**

<table>
<thead>
<tr>
<th>Matériau</th>
<th>Poids PBS-M</th>
<th>Poids PBS-F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Qualité d’acier</td>
<td>S355GP, S430GP</td>
<td>S355GP, S430GP</td>
</tr>
<tr>
<td>Poids PBS-M</td>
<td>~13.4 kg/m</td>
<td>~15.9 kg/m</td>
</tr>
<tr>
<td>Poids PBS-F</td>
<td>~10.66 lb/ft</td>
<td>~15.9 lb/ft</td>
</tr>
</tbody>
</table>

**Eje**

**Perfiles de pantalla combinada**

Para PZ y PZC (Ball and Socket)

**Campo di applicazione**

Realizzazione di pareti composte con portamazze e profili PZ/PZC.

**Расширение стеновых профилей**

Для PZ и PZC (шар и гнездо)

**Область применения**

Изготовление стеновых профилей с помощью PZ/PZC образований профилей зданий.

To place your order or for more information, dial toll-free nationwide: 866.666.7453 or +1.512.243.1228 or info@isheetpile.com

Delivery of the most typical connectors can be made to most US destinations within 1 - 4 days. ©2020 PilePro®
**WOM / WOF**

**COMBINED SHEET PILES**

**Installation**
1. The pipes are delivered with the connection already attached.
2. First, install the king piles (pipes) as you would in any combined sheet pile wall application.
3. Grasp the sheet piling and thread between the already installed pipe piles.
4. Increase flexibility in the middle interlocks of the sheet piles, combined with the raising of the connectors, to enable easier welding of the interconnective sheet piling.
5. All welding seams are at a minimum 600mm (~24").
6. Both sides have a continuous minimum tip and toe welding of 200mm/m (8”/yd). The distance from seam to seam is ~800mm (~31.5") or less.
7. Both sides are tack welded in the free length between tip and toe.
8. In salt water, the water side is continuously welded on the reverse side of the pile, if it is not in contact with salt water.

**Properties**
- **Steel grade:** S355GP, S430GP
- **Weight WOM:** ~4.4 lb/ft
- **Weight WOF:** ~5.6 lb/ft
- **Gewicht WOM:** ~6,6 kg/m
- **Gewicht WOF:** ~8,3 kg/m
- **Poids WOM:** ~6,6 kg/m
- **Poids WOF:** ~8,3 kg/m
- **Gewicht WOM:** ~6,6 kg/m
- **Gewicht WOF:** ~8,3 kg/m

**Combination with PZ/PZC (Ball & Socket)**
- **Eigenschaften**
  - **Kalibrierung:** S355GP, S430GP
  - **Gewicht WOM:** ~6,6 kg/m
  - **Gewicht WOF:** ~8,3 kg/m
  - **Kwaliteit van de asse:** S355GP, S430GP
  - **Peso WOM:** ~6,6 kg/m
  - **Peso WOF:** ~8,3 kg/m

**For Ball & Socket (PZ / PZC)**
- **Für PZ und PZC (Ball und Socket)**
  - **Einsatzgebiet**
  - **Campo di applicazione**
  - **Ámbito de aplicaciones**
- **Das Gewicht der Gewindespitzen beträgt bei WOM ~6,6 kg/m und bei WOF ~8,3 kg/m.**
- **WOM / WOF**
  - **WOM / WOF**
- **Eigenschaften**
  - **Kalibrierung:** S355GP, S430GP
  - **Gewicht WOM:** ~6,6 kg/m
  - **Gewicht WOF:** ~8,3 kg/m
  - **Kwaliteit van de asse:** S355GP, S430GP
  - **Peso WOM:** ~6,6 kg/m
  - **Peso WOF:** ~8,3 kg/m
- **Características**
- **Eigenschaften**
- **Caractéristiques**

**To place your order or for more information, dial toll-free nationwide:** 866.666.7453 or +1.512.243.1228 or info@isheetpile.com

**Delivery of the most typical connectors can be made to most US destinations within 1 - 4 days. ©2020 PilePro**

---

**WOM / WOF**

**For combined walls (pipes) with PZ/PZC (Ball & Socket) sheet piles**

**Installation**
1. The pipes are delivered with the connection already attached.
2. First, install the king piles (pipes) as you would in any combined sheet pile wall application.
3. Grasp the sheet piling and thread between the already installed pipe piles.
4. Increase flexibility in the middle interlocks of the sheet piles, combined with the raising of the connectors, to enable easier welding of the interconnective sheet piling.
5. All welding seams are at a minimum 600mm (~24").
6. Both sides have a continuous minimum tip and toe welding of 200mm/m (8”/yd). The distance from seam to seam is ~800mm (~31.5") or less.
7. Both sides are tack welded in the free length between tip and toe.
8. In salt water, the water side is continuously welded on the reverse side of the pile, if it is not in contact with salt water.

**Properties**
- **Steel grade:** S355GP, S430GP
- **Weight WOM:** ~4.9 lb/ft
- **Weight WOF:** ~7.2 lb/ft
- **Gewicht WOM:** ~6,6 kg/m
- **Gewicht WOF:** ~8,3 kg/m
- **Poids WOM:** ~4.9 lb/ft
- **Poids WOF:** ~7.2 lb/ft
- **Gewicht WOM:** ~6,6 kg/m
- **Gewicht WOF:** ~8,3 kg/m

**Combination with PZ/PZC (Ball & Socket)**
- **Für PZ und PZC (Ball und Socket)**
  - **Einsatzgebiet**
  - **Campo di applicazione**
  - **Ámbito de aplicaciones**
- **Das Gewicht der Gewindespitzen beträgt bei WOM ~4.9 lb/ft und bei WOF ~7.2 lb/ft.**
- **WOM / WOF**
  - **WOM / WOF**
- **Eigenschaften**
  - **Kalibrierung:** S355GP, S430GP
  - **Gewicht WOM:** ~6,6 kg/m
  - **Gewicht WOF:** ~8,3 kg/m
  - **Kwaliteit van de asse:** S355GP, S430GP
  - **Peso WOM:** ~6,6 kg/m
  - **Peso WOF:** ~8,3 kg/m
- **Características**
- **Eigenschaften**
- **Caractéristiques**

**To place your order or for more information, dial toll-free nationwide:** 866.666.7453 or +1.512.243.1228 or info@isheetpile.com

**Delivery of the most typical connectors can be made to most US destinations within 1 - 4 days. ©2020 PilePro**

---

**WOM / WOF**

**For Ball & Socket (PZ / PZC)**

**Installation**
1. Erstellen von Kombiwänden mit Rohren und PZ/PZC-Verbindungen
2. First, install the king piles (pipes) as you would in any combined sheet pile wall application.
3. Grasp the sheet piling and thread between the already installed pipe piles.
4. Increase flexibility in the middle interlocks of the sheet piles, combined with the raising of the connectors, to enable easier welding of the interconnective sheet piling.
5. All welding seams are at a minimum 600mm (~24").
6. Both sides have a continuous minimum tip and toe welding of 200mm/m (8”/yd). The distance from seam to seam is ~800mm (~31.5") or less.
7. Both sides are tack welded in the free length between tip and toe.
8. In salt water, the water side is continuously welded on the reverse side of the pile, if it is not in contact with salt water.

**Properties**
- **Steel grade:** S355GP, S430GP
- **Weight WOM:** ~4.4 lb/ft
- **Weight WOF:** ~5.6 lb/ft
- **Gewicht WOM:** ~6,6 kg/m
- **Gewicht WOF:** ~8,3 kg/m
- **Poids WOM:** ~4.4 lb/ft
- **Poids WOF:** ~5.6 lb/ft
- **Gewicht WOM:** ~6,6 kg/m
- **Gewicht WOF:** ~8,3 kg/m

**Combination with PZ/PZC (Ball & Socket)**
- **Für PZ und PZC (Ball und Socket)**
  - **Einsatzgebiet**
  - **Campo di applicazione**
  - **Ámbito de aplicaciones**
- **Das Gewicht der Gewindespitzen beträgt bei WOM ~4.4 lb/ft und bei WOF ~5.6 lb/ft.**
- **WOM / WOF**
  - **WOM / WOF**
- **Eigenschaften**
  - **Kalibrierung:** S355GP, S430GP
  - **Gewicht WOM:** ~6,6 kg/m
  - **Gewicht WOF:** ~8,3 kg/m
  - **Kwaliteit van de asse:** S355GP, S430GP
  - **Peso WOM:** ~6,6 kg/m
  - **Peso WOF:** ~8,3 kg/m
- **Características**
- **Eigenschaften**
- **Caractéristiques**

**To place your order or for more information, dial toll-free nationwide:** 866.666.7453 or +1.512.243.1228 or info@isheetpile.com

**Delivery of the most typical connectors can be made to most US destinations within 1 - 4 days. ©2020 PilePro**
**WOM-XL, WOF-XL (Combined Sheet Piles)**

**For combined walls (pipes) with PZ/PZC (Ball & Socket) sheet piles, pipe sheet pile walls**

**Installation**
1. The pipes are delivered with the connectors already attached.
2. First, install the king piles (pipes) as you would in any combined sheet pile wall application.
3. Grasp the sheet piling and thread between the already installed pipe piles.
4. Increase flexibility in the middle interlocks of the sheet piles, combined with the swing of the connectors, to enable easier threading of the intermediate sheet piling.
5. All welding seams are a minimum (diameter) ~0.25".
6. Both sides have a continuous minimum tip and toe welding of ~800mm (~31.5") or less.
7. Both sides are tack welded in the free length between tip and toe welding with ~200mm/8". The distance from seam to seam is ~500mm (~20").
8. In salt water, the water side is continuously welded on the whole pile length. Follow the instructions above for the reverse side of the pile, if it is not in contact with salt water.

**Properties**
- **Weight WOM-XL**: ~12.31 kg/m
- **Weight WOF-XL**: ~17.83 kg/m
- **Thickness**: 0.47 in or more

**WOM-XL, WOF-XL**

For combined walls (pipes) with PZ/PZC (Ball & Socket) sheet piles, pipe sheet pile walls

**Einsatzgebiet**
1. Erstellen von Rohrspundwänden mit Rohren + PZ/PZC-Profilen
2. Erstellen von gemischten Spundwänden mit Rohren + PZ/PZC-Profilen

**Installation**
1. Erstellen von Rohrspundwänden mit Rohren + PZ/PZC-Profilen
2. Erstellen von gemischten Spundwänden mit Rohren + PZ/PZC-Profilen

**Caractéristiques**
- **Matériau d'acier**: S355GP, S430GP
- **Poids WOM-XL**: ~12.31 kg/m
- **Poids WOF-XL**: ~17.83 kg/m

**Características**
- **Material de acero**: S355GP, S430GP
- **Peso WOM-XL**: ~12.31 kg/m
- **Peso WOF-XL**: ~17.83 kg/m

**U**
LBM, LBF

For PZ/PZC (Ball and Socket) to Larssen transitions

Installation
1. Please review the proper interlocking examples that are listed.
2. Thread the connector into the interlock while the sheet pile is out of the ground.
3. Adjust the connector to the appropriate position.
4. Tack or spot-weld the connector in place. Typically, a ~250mm (~10") weld attaching the connector to the sheet pile to the top is sufficient.
5. Drive/extract the sheet pile (with the connector attached) as you would normally.

Properties
- **Steel grade**: S355GP, S430GP
- **Weight**:
  - LBM: ~11,5 kg/m
  - LBF: ~13,1 kg/m
  - ASTM A572 Gr. 50/60
  - ASTM A690 MARINER™ Steel

For PZ and PZC (Ball and Socket) to U or Z Larssen transitions

Profile of transition
- Steel grade: S355GP, S430GP
- **Weight**:
  - LBM: ~11,5 kg/m
  - LBF: ~13,1 kg/m
  - ASTM A572 Gr. 50/60
  - ASTM A690 MARINER™ Steel

Poids LBM: ~11,5 kg/m
Poids LBF: ~13,1 kg/m

3. Adjust the connector to the appropriate position.
4. Tack or spot-weld the connector in place. Typically, a ~250mm (~10") weld attaching the connector to the sheet pile to the top is sufficient.
5. Drive/extract the sheet pile (with the connector attached) as you would normally.

PilePro® Ball & Socket
Overview

Flat Sheets

To place your order or for more information, dial toll-free nationwide: 866.666.7453 or +1.512.243.1228 or info@isheetpile.com

Delivery of the most typical connectors can be made to most US destinations within 1 - 4 days. ©2020
For 30° Y-corners in circular cells

Installation

1. Please review the proper interlocking examples that are listed.
2. Thread the connector into the interlock while the sheet pile is out of the ground.
3. Adjust the connector to the appropriate position.
4. Tack or spot-weld the connector in place. Typically, a ~250mm (~10”) weld attaching the connector to the sheet pile to the top is sufficient.
5. Dimension the sheet pile (with the connector attached) as you would normally.

Properties

Steel grade: S355GP, S430GP

<table>
<thead>
<tr>
<th>Width (mm)</th>
<th>Weight (kg/m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>~37.8</td>
<td>~56.5</td>
</tr>
</tbody>
</table>

Eigenschaften

Stahlgüten: S355GP, S430GP

<table>
<thead>
<tr>
<th>Breite (mm)</th>
<th>Gewicht (kg/m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>126,6</td>
<td>~56,5</td>
</tr>
</tbody>
</table>

Propiedades

Calidades de acero: S355GP, S430GP

<table>
<thead>
<tr>
<th>Ancho (mm)</th>
<th>Peso (kg/m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>126,6</td>
<td>~56,5</td>
</tr>
</tbody>
</table>

Características

Peso: ~56,5 kg/m

| Peso | ~56,5 kg/m |

Eigenschaften

Kalbegriff: S355GP, S430GP

<table>
<thead>
<tr>
<th>Stahlgüten</th>
<th>Gewicht (kg/m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTM A572 Gr. 50/60</td>
<td>~56,5</td>
</tr>
<tr>
<td>ASTM A690 MARINER™ Steel</td>
<td>~56,5</td>
</tr>
</tbody>
</table>

Propiedades

Calibles de acero: S355GP, S430GP

<table>
<thead>
<tr>
<th>Calidades de acero</th>
<th>Peso (kg/m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTM A572 Gr. 50/60</td>
<td>~56,5</td>
</tr>
<tr>
<td>ASTM A690 MARINER™ Steel</td>
<td>~56,5</td>
</tr>
</tbody>
</table>

Para perfiles planos (Gerdau PS, Union, YSP Nippon)

Realizzazione di diramazioni a 30° per quelle circolari

Bifurcaciones de 30°

Campo di applicazione

Realizzazione di diramazioni a 30°

Ámbito de aplicaciones

Formación de bifurcaciones de 30°

For Flat Sheets

Peso: ~ 56,5 kg/m

| Peso | ~56,5 kg/m |

For Flat Sheets

Peso: ~ 56,5 kg/m

| Peso | ~56,5 kg/m |

For Flat Sheets

Peso: ~ 56,5 kg/m

| Peso | ~56,5 kg/m |

For Flat Sheets

Peso: ~ 56,5 kg/m

| Peso | ~56,5 kg/m |

For Flat Sheets

Peso: ~ 56,5 kg/m

| Peso | ~56,5 kg/m |

For Flat Sheets

Peso: ~ 56,5 kg/m

| Peso | ~56,5 kg/m |

For Flat Sheets

Peso: ~ 56,5 kg/m

| Peso | ~56,5 kg/m |

For Flat Sheets

Peso: ~ 56,5 kg/m

| Peso | ~56,5 kg/m |

For Flat Sheets

Peso: ~ 56,5 kg/m

| Peso | ~56,5 kg/m |

For Flat Sheets

Peso: ~ 56,5 kg/m

| Peso | ~56,5 kg/m |
**For 30° Y-corners in circular cells**

### Installation
1. Please review the proper interlocking examples that are listed.
2. Thread the connector into the interlock while the sheet pile is out of the ground.
3. Adjust the connector to the appropriate position.
4. Tack or spot-weld the connector in place. Typically, a ~25mm (~1") weld attaching the connector to the sheet pile is top sufficient.
5. Show/vers the sheet pile (with the connector attached) as you would normally.

### Properties
- **Steel grade:** S550GP, S430GP
- **Weight:** ~28.83 lb / ft

### SWC 30 B

**For Flat Sheets**

- **Width:** ~110,5 mm (~4.34")
- **Height:** ~126,6 mm (~5.00")
- **Thickness:** ~6.20 mm (~0.25")
- **Weight:** ~43.9 kg/m

### SWC 30 A

- **Width:** ~119,4 mm (~4.70")
- **Height:** ~119,4 mm (~4.70")
- **Thickness:** ~4.00 mm (~0.16")
- **Weight:** ~29.4 kg/m

**To place your order or for more information, dial toll-free nationwide:** 866.666.7453 or +1.512.243.1228 or info@isheetpile.com

Delivery of the most typical connectors can be made to most US destinations within 1 - 4 days. ©2020
For 60° Y-corners in circular cells with flat sheet piles

Installation
1. Please review the proper interlocking examples that are listed.
2. Thread the connector into the interlock while the sheet pile is out of the ground.
3. Adjust the connector to the appropriate position.
4. Tack or spot-weld the connector in place. Typically, a ~250mm (~10”) weld attaching the connector to the sheet pile to the top is sufficient.
5. Drive/extract the sheet pile (with the connector attached) as you would normally.

Properties
Steel grade: S355GP, S430GP
Weight: ~ 61.3 kg/m

Eigenschaften
Stahlgüten: S355GP, S430GP
Gewicht: ~ 61,3 kg/m

Caractéristiques
Matériaux d'acier: S355GP, S430GP
Poids: ~ 61,3 kg/m

Para perfiles planos (Gerdau PS, Union, YSP Nippon)
60° Abzweigprofil für Kreiszellen
Für Flachprofile (Gerdau PS, Union, YSP Nippon)
Perfil bifurcado de 60° para celdas circulares
Raccord en Y 60°

For 60° Y-corners in circular cells

Formation de bifurcations de 60°

Établissement de 60°-Abzweigungen

60° Abzweigung für Kreiszellen
60° Abzweigungen
60° Abzweigungen

Características
Materiales del acero: S355GP, S430GP
Peso: ~ 61,3 kg/m

40° Abzweigelement für Kreisfelder
40° Abzweigelemente für kreisrunde Öffnungen
60° Abzweigelemente für kreisrunde Öffnungen

Poids: ~ 61,3 kg/m

Peso: ~ 61,3 kg/m

 вес: ~ 61,3 кг/м

Gewicht: ~ 61,3 kg/m

To place your order or for more information, dial toll-free nationwide: 866.666.7453 or +1.512.243.1228 or info@isheetpile.com

Delivery of the most typical connectors can be made to most US destinations within 1 - 4 days. ©2020
**For 60° Y-corners in circular cells with flat sheet piles**

**Installation**

1. Please review the proper interlocking examples that are listed.
2. Thread the connector into the interlock while the sheet pile is out of the ground.
3. Adjust the connector to the appropriate position.
4. Tack or spot-weld the connector in place. Typically, a ~25mm (~1") weld attaching the connector to the sheet pile is the top is sufficient.
5. Drive/extract the sheet pile (with the connector attached) as you would normally.

**Properties**

- Steel grade: S355GP, S430GP
- Weight: ~ 33.46 lb/ft
- Steel grade: ASTM A572 Gr. 50/60
- ASTM A690 MARINER

**Nuances d’acier:** S355GP, S430GP

**Éléments de connexion**

- Pour profilés plats (Gerdau PS, Union, YSP Nippon)
- Raccordement de trois palplanches permettant un angle de 60° entre deux des profilés

**Caractéristiques**

- Matériau: S355GP, S430GP
- Hauteur: ~ 126,6 mm
- Largeur: 111,4 mm
- Profil: 75031
- SWC 60 B

**For Flat Sheets**

- Weight: ~ 49.9 kg/m
- SWC 60 B

**Einsatzgebiet**

- Für Flachprofile (Gerdau PS, Union, YSP Nippon)
- 60° Abzweigprofil für Kreiszellen

**Formazione di bifurcazioni a 60°**

- Per profili piatti (Gerdau PS, Union, YSP Nippon)

**Caratteristiche**

- Materiale: S355GP, S430GP
- Profilo: 75031
- SWC 60 B

**Ambito di applicazioni**

- Per 60° Y-corners in circular cells with flat sheet piles

**Qualità dell’acciaio:** S355GP, S430GP

**Características**

- Material: S355GP, S430GP
- Profil: 75031
- SWC 60 B

**Ámbito de aplicaciones**

- Para perfiles planos (Gerdau PS, Union, YSP Nippon)
- Formación de bifurcaciones de 60°
For 90° T-corners in circular cells with flat sheet piles

**Installation**

1. Please review the proper interlocking examples that are listed.
2. Thread the connector into the interlock while the sheet pile is out of the ground.
3. Adjust the connector to the appropriate position.
4. Tack or spot-weld the connector in place. Typically, a ~25mm (~1”) weld attaching the connector to the sheet pile to the top is sufficient.
5. Slowly rotate the sheet pile (with the connector attached) as you would normally.

**Properties**

- **Steel grade:** S355GP, S430GP
- **Weights:** ~53.3 kg/m

**Caractéristiques**

- **Matériaux:** S355GP, S430GP
- **Poids:** ~53.3 kg/m

**Caratteristiche**

- **Materiali:** S355GP, S430GP
- **Peso:** ~53.3 kg/m

**Eigenschaften**

- **Stahlgüten:** S355GP, S430GP
- **Gewicht:** ~53.3 kg/m

**Específicas**

- **Calidades de acero:** S355GP, S430GP
- **Peso:** ~53.3 kg/m

**Características**

- **Materiales:** S355GP, S430GP
- **Peso:** ~53.3 kg/m
Installation
1. Please receive the proper interlocking examples that are listed.
2. Thread the connector into the interlock while the sheet pile is out of the ground.
3. Adjust the connector to the appropriate position.
4. Tack or spot weld the connector in place. Typically, a ~250mm (~10") weld attaches the connector to the sheet pile to the top is sufficient.
5. Drive/extract the sheet pile (with the connector attached) as you would normally.

Properties
Steel grade: S355GP, S430GP
Weights: ~ 53.3 kg/m

Eigenschaften
Stahlgüten: S355GP, S430GP
Gewicht: ~ 53.3 kg/m

Caractéristiques
Matériaux: S355GP, S430GP
Poids: ~ 53.3 kg/m

Características
Materiales: S355GP, S430GP
Peso: ~ 53.3 kg/m

Caratteristiche
Materiali: S355GP, S430GP
Peso: ~ 53.3 kg/m

Kwaliteiten van het acciaio: S355GP, S430GP
Peso: ~ 53.3 kg/m

Eigenschappen
Staal: S355GP, S430GP
Gewicht: ~ 53.3 kg/m

Para perfiles planos (Gerdau PS, Union, YSP Nippon)

Einsatzgebiet
90° Abzweigprofil

Connessione a T

Per profilati piatti (Gerdau PS, Union, YSP Nippon)

Profilo per diramezione a 90°

Einsatzgebiet
Für Flachprofile (Gerdau PS, Union, YSP Nippon)

T-Verbindung
90° Abzweigprofil

Perforati troncati di 90°

Formación de bifurcaciones de 90°

Oblast’ primeneniya
Izgotovlenie 90°-otvetvlenii

Ámbito de aplicaciones
Formación de celosías de 90º

Property code: S355GP, S430GP

For more information, dial toll-free nationwide: 866.666.7453 or +1.512.243.1228 or info@isheetpile.com

Delivery of the most typical connectors can be made to most US destinations within 1 - 4 days. ©2020
For 120° Y-corners in circular cells with flat sheet piles

1. Please review the proper interlocking examples that are listed.
2. Thread the connector into the interlock while the sheet pile is out of the ground.
3. Adjust the connector to the appropriate position.
4. Tack or spot-weld the connector in place. Typically, a ~250mm (~10") weld attaching the connector to the sheet pile to the top is sufficient.
5. Drive/insert the sheet pile to the top as you would normally.

**Properties**
- **Steel grade:** S355GP, S430GP
- **Weight:** ~ 38.29 lb / ft

**Domaines d’emploi**
Raccord en Y 120°
Pour profilés plats PS (Gerdau PS, Union, YSP Nippon)

120° Abzweigprofil
Für Flachprofile (Gerdau PS, Union, YSP Nippon)

**Eigenschaften**
- **Stahlgüten:** S355GP, S430GP
- **Gewicht:** ~ 57,1 kg/m

**Campo di applicazione**
Realizzazione di diramazioni a 120°

**Características**
- **Númer de acero:** S355GP, S430GP
- **Peso:** ~ 57,1 kg/m

**Études de cas**
Raccordement de trois palplanches permettant un angle de 120° entre deux des profilés

**Caractéristiques**
- **Qualité d’acier:** S355GP, S430GP
- **Poids:** ~ 38.29 Ib / ft

For Flat Sheets

**Propiedades**
- **Calidades de acero:** S355GP, S430GP
- **Peso:** ~ 57,1 kg/m

**Область применения**
Изготовление 120°-ответвлений

**Параметры**
- **Качество стали:** S355GP, S430GP
- **Вес:** ~ 38.29 lb / ft

**Domaines d’application**
Realisation de bifurcations de 120°
Pour profilés plats (Gerdau PS, Union, YSP Nippon)

**Caratteristiche**
- **Nuance d’acciaio:** S355GP, S430GP
- **Peso:** ~ 57,1 kg/m
For weld-on connections with flat sheet piles

Installation
1. Please review the proper interlocking examples that are listed.
2. Thread the connector into the interlock while the sheet pile is out of the ground.
3. Adjust the connector to the appropriate position.
4. Lack or spot weld the connector in place. Typically, a 250mm (~10") weld attaching the connector to the sheet pile is out of the ground.
5. Drive/extract the sheet pile (with the connector attached) as you would normally.

Weight: ~ 12.34 lb / ft

Properties
Steel grade: S355GP, S430GP
Weight: ~ 12.34 lb / ft

For Flat Sheets

For weld-on connections with flat sheet piles

Installation
1. Please review the proper interlocking examples that are listed.
2. Thread the connector into the interlock while the sheet pile is out of the ground.
3. Adjust the connector to the appropriate position.
4. Lack or spot weld the connector in place. Typically, a 250mm (~10") weld attaching the connector to the sheet pile is out of the ground.
5. Drive/extract the sheet pile (with the connector attached) as you would normally.

Weight: ~ 18.4 kg/m

Properties
Steel grade: S355GP, S430GP
Weight: ~ 18.4 kg/m
## Corner & Junction Piles

<table>
<thead>
<tr>
<th>CF/C 90</th>
<th>For 90° corners</th>
<th>90° Schrötterung</th>
<th>Brücke an Winkel 90°</th>
<th>Geräte für angeschlossene Winkel 90°</th>
</tr>
</thead>
<tbody>
<tr>
<td>CF T</td>
<td>For T- corners, 90° corners</td>
<td>T-Verdrehung, 90° Schrötterung</td>
<td>Brücke an Winkel 90°</td>
<td>Geräte für angeschlossene Winkel 90°</td>
</tr>
</tbody>
</table>

## Combined Sheet Piles

<table>
<thead>
<tr>
<th>CF</th>
<th>For combined walls with composite flange beams (please see pilepro.com for details).</th>
</tr>
</thead>
<tbody>
<tr>
<td>CF</td>
<td>Komplettbauweise mit zusammengesetzten Gurten und Schweißnähten.</td>
</tr>
<tr>
<td>CF 1</td>
<td>Profilbohlen mit zusammengesetzten Gurten und Schweißnähten.</td>
</tr>
<tr>
<td>CF 11</td>
<td>Profilbohlen mit zusammengesetzten Gurten und Schweißnähten.</td>
</tr>
</tbody>
</table>

## Transition Piles

<table>
<thead>
<tr>
<th>V 20</th>
<th>For ~90° corners, compatible with standard cold-formed steel piles.</th>
</tr>
</thead>
<tbody>
<tr>
<td>V 20</td>
<td>~90° Schrötterung A2 + Z2M2</td>
</tr>
<tr>
<td>V 20</td>
<td>~90° Schrötterung A2 + Z2M2</td>
</tr>
</tbody>
</table>

### Please note:

Our profiles are designed to be compatible with the great majority of cold-formed piles available globally. However, they may not be compatible with every pile. In some cases, we have “large” and “small” versions for maximum compatibility (please see pilepro.com for details).

### Bitte beachten Sie:


### Veuillez noter:

Nos profilés sont faits de telle sorte que la plus grande partie est compatible dans le monde entier avec les madriers existants, mais pas avec tous cependant. Dans certains cas, nous avons des versions "grandes" et "petites" pour une compatibilité maximale. Veuillez noter que nous ne sommes pas compatibles avec tous les madriers. Dans certains cas, vous pouvez faire appel à des versions "grandes" et "piquées" pour une compatibilité maximale. (Veuillez consulter pilepro.com pour plus de détails).

### Tener en cuenta lo siguiente:

Nuestros perfiles están creados de tal forma que son compatibles con la mayoría de los pilotes disponibles en todo el mundo, aunque no con todos. En algunos casos, tenemos versiones grandes y pequeñas para máxima compatibilidad. (Vea pilepro.com para detalles).

### Attenzione:

I profili leggeri sono disponibili in piloni a Z in 90° in spessori diversi e con versioni differenti del gambo. La forma dei nostri profili è tale da essere compatibile con la maggior parte delle palplanches sul mercato, tuttavia non con tutte. (Vedere pilepro.com per dettagli).

### Примите к сведению:

Имеются несколько профильных элементов для свай с угловыми соединениями. Однако они не совместимы со всеми сваями. В некоторых случаях, мы предлагаем большие и маленькие версии для максимальной совместимости. (Узнайте больше на pilepro.com для деталей).
**CFC 90**

**For 90° corners with cold formed sheet piles**

(As interlocks vary, specific swivel range is not stated, but some swivel should be expected)

**Installation**

1. Please review the proper interlocking examples that are listed.
2. Thread the connector into the interlock while the sheet pile is out of the ground.
3. Adjust the connector to the appropriate position.
4. Tack or spot-weld the connector in place. Typically, a ~ 250mm (~10”) weld attaching the connector to the sheet pile at the top is sufficient.

**Properties**

- **Steel grade:** S355GP, S430GP
- **Weight:** ~ 17.9 kg/m

---

**CFC 90 CFC 90 CFC 90**

**Eigenschaften**

- **Stahlgüten:** S355GP, S430GP
- **Gewicht:** ~ 17,9 kg/m

---

**Características**

- **Calidades de acero:** S355GP, S430GP
- **Peso:** ~ 17,9 kg/m

---

**Performance of the most typical connectors can be made to most US destinations within 1 - 4 days. ©2020**
For T-corners, 90° corners with cold formed sheet piles
(as interlocks vary, specific swivel range is not stated, but
some swivel should be expected)

Installation
1. Please review the proper interlocking examples that
   are listed.
2. Thread the connector into the interlock while the
   sheet pile is out of the ground.
3. Adjust the connector to the appropriate position.
4. Tack or spot-weld the connector in place. Typically, a
   ~250mm (~10”) weld attaching the connector to the
   sheet pile to the top is sufficient.
5. Drive/extract the sheet pile (with the connector
   attached) as you would normally.

Caractéristiques

Matières d’utilisation:
1. Raccord 3 éléments sans nécessité de soudure
dans la course
2. Fabrication de raccords d’angles à 90°

Propriétés

Caractéristiques

Qualité d’acier:
ASTM A572 Gr. 50/60
ASTM A690 MARINER™

Poids:
~ 25.4 kg/m

Eigenschaften

Stahlgüten:
S355GP, S430GP

Gewicht:
~ 25.4 kg/m

Caratteristiche

Qualità dell’acciaio:
S355GP, S430GP

Peso:
~ 25.4 kg/m

Características

Calidades de acero:
S355GP, S430GP

Peso:
~ 25.4 kg/m

Características

Calidades de acero:
S355GP, S430GP

Peso:
~ 25.4 kg/m

Características

Calidades de acero:
S355GP, S430GP

Peso:
~ 25.4 kg/m

Parameter

Korrozijnstabiliteit:
S355GP, S430GP

Gewicht:
~ 25.4 kg/m

Parameter

Korrozijnstabiliteit:
S355GP, S430GP

Gewicht:
~ 25.4 kg/m

Parameter

Korrozijnstabiliteit:
S355GP, S430GP

Gewicht:
~ 25.4 kg/m

Parameter

Korrozijnstabiliteit:
S355GP, S430GP

Gewicht:
~ 25.4 kg/m

Parameter

Korrozijnstabiliteit:
S355GP, S430GP

Gewicht:
~ 25.4 kg/m

Parameter

Korrozijnstabiliteit:
S355GP, S430GP

Gewicht:
~ 25.4 kg/m

Parameter

Korrozijnstabiliteit:
S355GP, S430GP

Gewicht:
~ 25.4 kg/m

Parameter

Korrozijnstabiliteit:
S355GP, S430GP

Gewicht:
~ 25.4 kg/m

Parameter

Korrozijnstabiliteit:
S355GP, S430GP

Gewicht:
~ 25.4 kg/m

Parameter

Korrozijnstabiliteit:
S355GP, S430GP

Gewicht:
~ 25.4 kg/m

Parameter

Korrozijnstabiliteit:
S355GP, S430GP

Gewicht:
~ 25.4 kg/m

Parameter

Korrozijnstabiliteit:
S355GP, S430GP

Gewicht:
~ 25.4 kg/m

Parameter

Korrozijnstabiliteit:
S355GP, S430GP

Gewicht:
~ 25.4 kg/m

Parameter

Korrozijnstabiliteit:
S355GP, S430GP

Gewicht:
~ 25.4 kg/m

Parameter

Korrozijnstabiliteit:
S355GP, S430GP

Gewicht:
~ 25.4 kg/m

Parameter

Korrozijnstabiliteit:
S355GP, S430GP

Gewicht:
~ 25.4 kg/m

Parameter

Korrozijnstabiliteit:
S355GP, S430GP

Gewicht:
~ 25.4 kg/m

Parameter

Korrozijnstabiliteit:
S355GP, S430GP

Gewicht:
~ 25.4 kg/m

Parameter

Korrozijnstabiliteit:
S355GP, S430GP

Gewicht:
~ 25.4 kg/m

Parameter

Korrozijnstabiliteit:
S355GP, S430GP

Gewicht:
~ 25.4 kg/m

Parameter

Korrozijnstabiliteit:
S355GP, S430GP

Gewicht:
~ 25.4 kg/m

Parameter

Korrozijnstabiliteit:
S355GP, S430GP

Gewicht:
~ 25.4 kg/m

Parameter

Korrozijnstabiliteit:
S355GP, S430GP

Gewicht:
~ 25.4 kg/m

Parameter

Korrozijnstabiliteit:
S355GP, S430GP

Gewicht:
~ 25.4 kg/m

Parameter

Korrozijnstabiliteit:
S355GP, S430GP

Gewicht:
~ 25.4 kg/m

Parameter

Korrozijnstabiliteit:
S355GP, S430GP

Gewicht:
~ 25.4 kg/m

Parameter

Korrozijnstabiliteit:
S355GP, S430GP

Gewicht:
~ 25.4 kg/m

Parameter

Korrozijnstabiliteit:
S355GP, S430GP

Gewicht:
~ 25.4 kg/m

Parameter

Korrozijnstabiliteit:
S355GP, S430GP

Gewicht:
~ 25.4 kg/m

Parameter

Korrozijnstabiliteit:
S355GP, S430GP

Gewicht:
~ 25.4 kg/m

Parameter

Korrozijnstabiliteit:
S355GP, S430GP

Gewicht:
~ 25.4 kg/m

Parameter

Korrozijnstabiliteit:
S355GP, S430GP

Gewicht:
~ 25.4 kg/m

Parameter

Korrozijnstabiliteit:
S355GP, S430GP

Gewicht:
~ 25.4 kg/m

Parameter

Korrozijnstabiliteit:
S355GP, S430GP

Gewicht:
~ 25.4 kg/m

Parameter

Korrozijnstabiliteit:
S355GP, S430GP

Gewicht:
~ 25.4 kg/m

Parameter

Korrozijnstabiliteit:
S355GP, S430GP

Gewicht:
~ 25.4 kg/m

Parameter

Korrozijnstabiliteit:
S355GP, S430GP

Gewicht:
~ 25.4 kg/m

Parameter

Korrozijnstabiliteit:
S355GP, S430GP

Gewicht:
~ 25.4 kg/m

Parameter

Korrozijnstabiliteit:
S355GP, S430GP

Gewicht:
~ 25.4 kg/m

Parameter

Korrozijnstabiliteit:
S355GP, S430GP

Gewicht:
~ 25.4 kg/m

Parameter

Korrozijnstabiliteit:
S355GP, S430GP

Gewicht:
~ 25.4 kg/m

Parameter

Korrozijnstabiliteit:
S355GP, S430GP

Gewicht:
~ 25.4 kg/m

Parameter

Korrozijnstabiliteit:
S355GP, S430GP

Gewicht:
~ 25.4 kg/m

Parameter

Korrozijnstabiliteit:
S355GP, S430GP

Gewicht:
~ 25.4 kg/m

Parameter

Korrozijnstabiliteit:
S355GP, S430GP

Gewicht:
~ 25.4 kg/m

Parameter

Korrozijnstabiliteit:
S355GP, S430GP

Gewicht:
~ 25.4 kg/m

Parameter

Korrozijnstabiliteit:
S355GP, S430GP

Gewicht:
~ 25.4 kg/m

Parameter

Korrozijnstabiliteit:
S355GP, S430GP

Gewicht:
~ 25.4 kg/m

Parameter

Korrozijnstabiliteit:
S355GP, S430GP

Gewicht:
~ 25.4 kg/m

Parameter

Korrozijnstabiliteit:
S355GP, S430GP

Gewicht:
~ 25.4 kg/m
For combined walls with pipes and cold formed sheet piles

Installation
1. The pipes are delivered with the connectors already attached.
2. First, install the king piles (pipes) as you would in any combined sheet pile wall application.
3. Grasp the sheet piling and thread between the already installed pipe piles.
4. Increase flexibility in the middle interlocks of the sheet piles, combined with the swing of the connectors, to enable easier threading of the intermediate sheet piling.
5. All welding seams are a minimum ~6mm (~0.25”).
6. Both sides have a continuous minimum tip and toe welding of ~800mm (~31.5”).
7. Both sides are tack welded in the five length between tip and toe welding with 200mm/m (8”/yd). The distance from seams is ~100mm (~3.9”) or less.
8. In salt water, the water side is continuously welded on the reverse side of the pile, if it is not in contact with salt water.

Properties
Steel grade: S355GP, S430GP
Weight: ~ 7.46 lb/ft

Eigenschaften
Stahlgüten: S355GP, S430GP
Gewicht: ~ 11.1 kg/m

Caractéristiques
Nouances d’acier: S355GP, S430GP
Poids: ~ 11.1 kg/m

Para su pedido o para obtener más información, llame al 866.666.7453 o +1.512.243.1228 o info@isheetpile.com

For more information, visit pilepro.com/cf

**Notes:**
- Delivery of the most typical connectors can be made to most US destinations within 1 - 4 days.
- ©2020 PilePro® Cold Formed
- All rights reserved
PCF I, PCF II (Combined Sheet Piles)

**Installation**

1. **Install the Peiner Beams first.**
2. Lay the sheet piling horizontally and thread the connector between the already installed Peiner type beams.
3. **Tack or spot-weld the connector in place.** Typically, a ~250mm (~10”) weld attaching the connector to the sheet pile is sufficient.
4. **Grasp the sheet pile (with connectors already attached)** and thread between the already installed Peiner type beams.
5. Lower/drive the sheet piling to the level of the Peiner type beams.

**Properties**

- Steel grade: S355GP, S430GP
- Weights: PCF I ~ 15.1 kg/m, PCF II ~ 15.1 kg/m

**Areas of Application**

- For cold formed sheet piles
- For combined walls with Peiner-type beams
- Perfiles ligeros
- Kompetitivere profilierelemente
- Perfiles de pantalla combinada
- Projektierfahre profilierelemente
- Perfiles de pared combinada

**For more information, dial toll-free nationwide: 866.666.7453 or +1.512.243.1228 or info@isheetpile.com**

Delivery of the most typical connectors can be made to most US destinations within 1 - 4 days. ©2020 PilePro® Cold Formed
1. The beams are delivered with the connectors already attached.
2. First, install the king piles (beams) as you would in any installation for Cold Formed Sheet Piles.
3. Grasp the sheet piling and thread between the already installed beams.
4. All welding seams are a minimum ~6mm (~0.25”) or less.
5. Both sides have a continuous minimum tip and toe welding of ~500mm (~20”).
6. Both sides are tack welded in the five length between tip and toe welding with ~200mm (~8”) or less. The distance from start to start is ~800mm (~31.5”) or less.
7. In salt water, the water side is continuously welded on the whole pile length. Follow the instructions above for the reverse side of the pile, if it is not in contact with salt water.

**Properties**

- **Steel grade**: S355GP, S430GP
- **ASTM A572 Gr. 50/60**
- **ASTM A690 MARINER™ Steel**
- **Gewicht BCF one leg I**: ~ 15.4 kg/m
- **Gewicht BCF one leg II**: ~ 15.4 kg/m

**Gewicht BCF one leg I, BCF one leg II**

**Eigenschaften**

- **Stahlgruppe**: S355GP, S430GP
- **ASTM A572 Gr. 50/60**
- **ASTM A690 MARINER™ Steel**
- **Gewicht BCF one leg I**: ~ 15.4 kg/m
- **Gewicht BCF one leg II**: ~ 15.4 kg/m

**Caractéristiques**

- **Matériau**: S355GP, S430GP
- **ASTM A572 Gr. 50/60**
- **ASTM A690 MARINER™ Steel**
- **Poids one leg I**: ~ 15.4 kg/m
- **Poids one leg II**: ~ 15.4 kg/m

**Bild und Text**

**For combined walls with wide flange beams and cold formed sheet piles**

**Installation**

1. The beams are delivered with the connectors already attached.
2. First, install the king piles (beams) as you would in any combined sheet pile wall application.
3. Grasp the sheet piling and thread between the already installed beams.
4. All welding seams are a minimum ~6mm (~0.25”).
5. Both sides have a continuous minimum tip and toe welding of ~500mm (~20”).
6. Both sides are tack welded in the five length between tip and toe welding with ~200mm (~8”) or less. The distance from start to start is ~800mm (~31.5”) or less.
7. In salt water, the water side is continuously welded on the whole pile length. Follow the instructions above for the reverse side of the pile, if it is not in contact with salt water.

**Dimensions**

- **~97,3 mm ~3.83”
- ~1.57”
- ~40,0 mm or as requested

**To place your order or for more information, dial toll-free nationwide: 866.666.7453 or +1.512.243.1228 or info@isheetpile.com**

**Delivery of the most typical connectors can be made to most US destinations within 1 - 4 days. ©2020 PilePro® Cold Formed Steel**
For ~90° corners with cold formed sheet piles, cold-formed sheet piles to Larssen U/Z/AZ
(as interlocks vary, specific swivel range is not stated, but
usually usual) should be expected.
Installation
1. Please review the proper interlocking examples that
   are listed.
2. Thread the connector into the interlock while the
   sheet pile is out of the ground.
3. Adjust the connector to the appropriate position.
4. Tack or spot-weld the connector in place. Typically, a
   ~250mm (~10") weld attaching the connector to the
   sheet pile to the top is sufficient.
5. Drive/extract the sheet pile (with the connector
   attached) as you would normally.

Properties
Steel grade:
- S355GP
- S430GP
- ASTM A572 Gr. 50/60
- ASTM A690 MARINER

Weight:
- ~8.05 lb/ft

V 20
Eigenschaften
Stahlgüten:
- S355GP
- S430GP
- ASTM A572 Gr. 50/60
- ASTM A690 MARINER
Gewicht:
- ~13.2 kg/m

V 20
Caractéristiques
Matériaux:
- S355GP
- S430GP
- ASTM A572 Gr. 50/60
- ASTM A690 MARINER
Poids:
- ~13.2 kg/m

V 20
Caratteristiche
Materiali:
- S355GP
- S430GP
- ASTM A572 Gr. 50/60
- ASTM A690 MARINER
Peso:
- ~13.2 kg/m

V 20
Características
Materiales:
- S355GP
- S430GP
- ASTM A572 Gr. 50/60
- ASTM A690 MARINER
Peso:
- ~13.2 kg/m

V 20
Closed profile between light profiles and AZ as interlocks vary, specific swivel range is not stated, but
usually usual.

1. Please confirm with the manufacturer that the specific
   cold formed sheet pile section that you aim to use is
   compatible with the V20.

2. PilePro connectors are protected by patents.

3. Adjust the connector to the appropriate position.

4. Tack or spot-weld the connector in place. Typically, a
   ~250mm (~10") weld attaching the connector to the
   sheet pile is out of the ground.

5. Drive/extract the sheet pile (with the connector
   attached) as you would normally.

To place your order or for more information, dial toll-free nationwide: 866.666.7453 or +1.512.243.1228 or info@isheetpile.com
Delivery of the most typical connectors can be made to most US destinations within 1 - 4 days. ©2020
**Pipe Sheet Pile Wall**

**Installation**
1. The pipes are delivered with the connectors already attached.
2. First, install the long pile (pipe) as you would in any combined sheet pile wall application.
3. Group the short piles and thread between the already installed long piles.
4. Increase flexibility in the middle interlocks of the sheet piles, combined with the rigidity of the connection, to enable easier setting of the intermediate short pile.
5. All welding uses a minimum ~31.5” (~800mm) or less.
6. Both sides have a continuous minimum tip and toe welding of ~105mm (~4.1”).
7. Both sides have a continuous minimum tip and toe welding with 200mm/m (~8”/yd). The distance from seam to seam is ~800mm (~31.5”).
8. In salt water, the water side is continuously welded on the reverse side of the pile, if it is not in contact with salt water.

**Weights**
- **WOF-XL**: ~17.83 kg/m
- **WOM-XL**: ~12.31 kg/m

**Thickness**: 0.47 in or more

**Properties**
- **Steel grade**: S355GP, S430GP
- **Steel**: ASTM A690 MARINER™
- **Steel**: ASTM A572 Gr. 50/60

---

**2. Realización de palantinas de tubo**

**3. Graspe la pila de la viga y haga el hueco entre los ya instalados.**

**8. En el agua salada, el lado de la agua está continuamente soldado en el lado opuesto del perfil, si no está en contacto con el agua salada.**

**Einsatzgebiet**
- **Jonction de tubes**
- **Raccord à souder**

**Eigenschaften**
- **Stähle**: S355GP, S430GP
- **Stähle**: ASTM A690 MARINER™
- **Stähle**: ASTM A572 Gr. 50/60

**Caractéristiques**
- **Métal d’acier**: S355GP, S430GP
- **Métal d’acier**: ASTM A690 MARINER™
- **Métal d’acier**: ASTM A572 Gr. 50/60

**Características**
- **Calidad de acero**: S355GP, S430GP
- **Calidad de acero**: ASTM A690 MARINER™
- **Calidad de acero**: ASTM A572 Gr. 50/60

---

**For pipe sheet pile walls**

**Installation**
1. The pipes are delivered with the connectors already attached.
2. First, install the long pile (pipe) as you would in any combined sheet pile wall application.
3. Group the short piles and thread between the already installed long piles.
4. Increase flexibility in the middle interlocks of the sheet piles, combined with the rigidity of the connection, to enable easier setting of the intermediate short pile.
5. All welding uses a minimum ~31.5” (~800mm) or less.
6. Both sides have a continuous minimum tip and toe welding of ~105mm (~4.1”).
7. Both sides have a continuous minimum tip and toe welding with 200mm/m (~8”/yd). The distance from seam to seam is ~800mm (~31.5”).
8. In salt water, the water side is continuously welded on the reverse side of the pile, if it is not in contact with salt water.

**Weights**
- **WOF-XL**: ~17.83 kg/m
- **WOM-XL**: ~12.31 kg/m

**Thickness**: 0.47 in or more

**Properties**
- **Steel grade**: S355GP, S430GP
- **Steel**: ASTM A690 MARINER™
- **Steel**: ASTM A572 Gr. 50/60

---

**Formación de palantinas de tubo**

**Formación de palantinas de tubo y perfiles PZ/PZC**

**Einsatzgebiet**
- **Jonction de tubes**
- **Raccord à souder**

**Eigenschaften**
- **Stähle**: S355GP, S430GP
- **Stähle**: ASTM A690 MARINER™
- **Stähle**: ASTM A572 Gr. 50/60

**Caractéristiques**
- **Métal d’acier**: S355GP, S430GP
- **Métal d’acier**: ASTM A690 MARINER™
- **Métal d’acier**: ASTM A572 Gr. 50/60

---

**蒹植にかかるプロフィルの要素**

**蒹植にかかるプロフィルの要素**

**Einsatzgebiet**
- **Jonction de tubes**
- **Raccord à souder**

**Eigenschaften**
- **Stähle**: S355GP, S430GP
- **Stähle**: ASTM A690 MARINER™
- **Stähle**: ASTM A572 Gr. 50/60

**Caractéristiques**
- **Métal d’acier**: S355GP, S430GP
- **Métal d’acier**: ASTM A690 MARINER™
- **Métal d’acier**: ASTM A572 Gr. 50/60

---

**To place your order or for more information, dial toll-free nationwide: 866.666.7453 or +1.512.243.1228 or info@isheetpile.com**

**Delivery of the most typical connectors can be made to most US destinations within 1 - 4 days. ©2020**
WADIT®

WADIT® = Water Tight Corrosion Inhibitor

WADIT® is a purpose-built and globally proven sheet piling interlock sealant and corrosion inhibitor. The creators of WADIT® know first-hand the installation and long-term challenges faced when sealing all types of hot rolled or cold formed sheet piling interlocks.

With an unmatched success rate in real-world applications, WADIT® provides both water-stopping and corrosion protection. The application of WADIT® in the WOF chamber minimizes corrosion by sealing the interlock. WADIT® also acts as a pile lubricant by reducing friction and preventing interlocks from “heating up”; this allows for the contractor to choose to drive socket first, if needed.

For any application where water leakage presents a problem, from dewatering cofferdams to barrier and cutoff walls for site remediation, WADIT® is the smart sheet pile sealant of choice.

Benefits

TESTED AND CERTIFIED
WADIT® fortifies your project. This real-world and lab-tested sealant keeps water out and protects against hazardous substances. Comprehensive third party test data clearly states that the permeability of a sheet pile lock with WADIT® is zero because there is NO water flow through the sheet pile lock at five bars (~70 psi) of differential water pressure. Please refer to the University of Dortmund Water-Tightness Study under the Technical Documents on wadit.com.

HIGHLY DURABLE
WADIT® performs in every environment, from the tropics to the arctic, where high pressure sealing is required with extreme temperature ranges. The longevity of your sheet pile project is guaranteed with this durable sealant.

EXTREMELY FLEXIBLE
WADIT® has exceptional memory rebound properties. Conventional materials may harden like glass in temperatures of just 50°F (10°C). WADIT®, on the other hand, remains extremely flexible even in groundwater.

NON-PROPRIETARY
Made by and for sheet pile professionals, WADIT® can be installed in any interlock system or used with U-, Z-, or O-type of walls or combined SSP.

ENVIRONMENTALLY FRIENDLY
WADIT® is non-toxic and made from sustainable, natural raw materials. Internationally lab-tested and certified, WADIT® is safe and can be used without any restriction in sheet pile wall interlocks for ground and surface water use.

IMPERVIOUS TO WEATHER
No matter the climate, WADIT® can be applied, transported and stored in any weather condition, ensuring a fast and problem-free sealant application.

PROFESSIONALLY INSTALLED
Certified technicians professionally install the WADIT® Sealant System to ensure the perfect seal every time. You can be confident that the quality of your project will never be compromised.

DON’T ACCEPT IMITATIONS
All official WADIT® jobs come with a WADIT® system Certification guarantee. Look for this seal of authenticity.
WADIT® - The ingenious sealant for sheet pile constructions

A global success for more than 10 years.

WADIT® is a steel sheet pile interlock sealant based on sustainable natural raw materials which provides a reliable water seal for sheet pile walls. Its low capital costs and WADIT® has extremely low green impact. It is a material which can be applied when sheet pile is driven and successfully throughout the world for more than 10 years. WADIT® has gained its stability and produces outstanding results even in extreme climatic conditions such as the tropics or the Arctic.

Common WADIT® applications

For all sheet pile walls:
- Temporary sheet pile wall constructions
- Permanent sheet pile wall constructions
- Cast-in-place sheet pile wall construction
- Sheet pile wall connection

For challenging applications:
- Trenches in soil types with high ground water level
- Dam construction
- Sealing of river banks
- Irrigation of underground water sources in water protection zones
- Sealing work in extreme and special conditions

WADIT® - The material of sealant ideal for constructions of tablestacks

Adapted in the entire world since more than 10 years.

WADIT® is a sealant component in contact with raw materials that is applied to create a water-tight seal. Its capability of moisture in outdoor, without WADIT® the sealant is extremely sealing. The material of sealant meets the service and can be expanded from the base to the end of the sheet pile. WADIT® demonstrates its stability and produces results excellent including the establishment of extremely high temperatures, in both the tropics and the Arctic.

For all table stacks:
- Temporary table stack constructions
- Permanent table stack constructions
- Cast-in-place table stack construction
- Sheet pile wall connection

WADIT® - The joint perfect for palplanches

Installed in the world since more than 10 years.

WADIT® is a sealant component in contact with raw materials that is applied to create a water-tight seal. Its capability of moisture in outdoor, without WADIT® the sealant is extremely sealing. The material of sealant meets the service and can be expanded from the base to the end of the sheet pile. WADIT® demonstrates its stability and produces results excellent including the establishment of extremely high temperatures, in both the tropics and the Arctic.

For every type of table stacks:
- Structures in en masse de palplanches temporaires
- Structures in en masse de palplanches définitives
- Closures and area closures of table stacks
- Use for multifunctional parts of table stacks

For field use with maximum exigencies:
- Foundations in tables stacks with high foundations
- Dam construction
- Sealing of river banks
- Irrigation of underground water sources in water protection zones
- Sealing work in extreme and special conditions

WADIT® - The product diamanté géial for the structures in en masse de palplanches

Installed in the entire world since more than 10 years.

WADIT® is a sealant component in contact with raw materials that is applied to create a water-tight seal. Its capability of moisture in outdoor, without WADIT® the sealant is extremely sealing. The material of sealant meets the service and can be expanded from the base to the end of the sheet pile. WADIT® demonstrates its stability and produces results excellent including the establishment of extremely high temperatures, in both the tropics and the Arctic.

For all palplanches structures:
- Construction of palplanches permanents
- Construction of palplanches temporaries
- Reinforcement of the joint of palplanches due to the use of the sealant in the connection area of the palplanches
- Construction of palplanches in dry in the use of granular base
- Joint or sealant in the use of granular base
- Joint reinforcement in the use of granular base
- Reduction of stresses on the joints

For camps of applications from the requisites
- Scan of foundations in areas with high values of the tidal water
- Reinforcement of the joint of palplanches
- Preparation of the joint of palplanches
- Improvement of the joint of palplanches in the case of important stress
- Improvement of the joint of palplanches in the case of extreme stress

WADIT® - Presto sealant, ideal for construction from sheet pile walls

Adapted in the entire world since more than 10 years.

WADIT® is a sealant component in contact with raw materials that is applied to create a water-tight seal. Its capability of moisture in outdoor, without WADIT® the sealant is extremely sealing. The material of sealant meets the service and can be expanded from the base to the end of the sheet pile. WADIT® demonstrates its stability and produces results excellent including the establishment of extremely high temperatures, in both the tropics and the Arctic.
Highly environment-friendly even in catchment areas of drinking water collection systems

WADIT® is not harmful to the environment. Natural resources are green material protection in both its production and its delivery. Official confirmation from the State Water Supply Department for Bavaria shows that WADIT® is extremely environmentally friendly and even suitable for use in the catchment area of drinking water collection systems.

WADIT® is made from sustainable natural raw materials and contains no components which are harmful to the environment. It is composed in a patented design.

WADIT® is made from sustainable natural raw materials and contains no components which are harmful to the environment. It is composed in a patented design.

To place your order or for more information, dial toll-free nationwide: 866.666.7453 or +1.512.243.1228 or info@isheetpile.com

Delivery of the most typical connectors can be made to most US destinations within 1 - 4 days. ©2020
**Safe and effective at water pressure levels up to 5 bar**

Stable and non-deforming in temperatures of up to 50°C (122°F)

WADIT® is extremely resistant to elements such as water and oil for a very long time. The material is absolutely resistant in the dewatered state, under extreme conditions such as high pressure from water, oil and air, as well as resistance of the steel pile wall or displacement of the piles during driving. The material remains stable and non-deforming in the interface even at peak daytime temperatures of 122°F (50°C).

In laboratory tests

WADIT® underwent extreme tests and was subjected to a constant water pressure of 1 bar (=100 kPa) for more than 100 hours of water pressure stress. It demonstrated no water permeability in various stress forms among various test series. This confirms the expectations given over the last few years during which not a single case of leakage was recorded, even if required cycles were performed. The test was halted when the water pressure reached 5 bar since a single case of leakage caused by material failure of WADIT® was known to have occurred.

**Sicher und dicht bis 5 bar Wasserdruck**

Stabil und formbeständig bis 50°C.

WADIT® ist extrem widerstandsfähig und abdeckt auch vor der Eingriff hervorragend. Der Betrieb von Ständern und ähnlichen Schaltplätzen ist absolut risikolos gegen extreme Bedingungen der wichtigsten Varianten. Ein solcher Überprüfungsvorgang wurde in verschiedenen Testreihen unter verschiedenen Belastungssituationen durchgeführt. Im Materialprüfstand und bestätigt die erwartete formbeständigkeit bis zu maximalem Umgebungstemperaturen von 50°C.

Il testo è dietro 5 bar quando il materiale non fuoriesce dal gancio e non si deforma.

**Sumary**

**Elastic physical and biological properties**

Siegog und estable hasta 5 bares de presión de agua*

Estable y resistente a la alimentación de 50°C*

WADIT® es extremadamente resistente y puede perder agua en una gran cantidad de presión. El desgaste de suelos demuestra su fiabilidad en las condiciones de laboratorio bajo condiciones extremas, como por ejemplo un valor de presión de agua de 5 bares o de la luz del día, movimientos de sedimento de polvo de roca o de plomo perdido en el transporte. Al mantener un valor estable y resistente a la alimentación en el entorno interior a temperaturas de 50°C.

**WADIT® conegi la pressión de l’acqua fins a 5 bar**

Sicuro e impermeabile fino ad una pressione dell’acqua di 5 bar*

WADIT® estremamente resistente e certificato per la pressione della acqua, attivo per 5 bar. Il taglio del materiale può essere effettuato sino a una pressione di 5 bar. Ogni caso di perdita dovuta a degrado del materiale.

**Des propiedades físicas y biológicas excepcionales**

Situación y estable hasta 5 bares de presión de agua*

Estable y resistente a las temperaturas de 50°C*

WADIT® es extraordinariamente resistente y puedes perder agua en una gran cantidad de presión. El desgaste de suelos demuestra su fiabilidad en las condiciones de laboratorio bajo condiciones extremas, como por ejemplo un valor de presión de agua de 5 bares o de la luz del día, movimientos de sedimento de polvo de roca o de plomo perdido en el transporte. Al mantener un valor estable y resistente a la alimentación en el entorno interior a temperaturas de 50°C.

**Caratteristiche eccezionali fisiche e biologiche**

Sicuro e impermeabile fino ad una pressione dell’acqua di 5 bar*

WADIT® estremamente resistente e certificato per la pressione della acqua, attivo per 5 bar. Il taglio del materiale può essere effettuato sino a una pressione di 5 bar. Ogni caso di perdita dovuta a degrado del materiale.

**Unique physical and biological properties**

- **Soil**
  - **Sporofytes**
  - **Aquatics**
  - **Sediments**
  - **Bacteria**

**Propietà fisico-biologiche inconfondibili**

- **Solfi**
  - **Sporofytes**
  - **Acque**
  - **Sedimenti**
  - **Batterie**

**Caratteristiche fisico-biologiche uniche**

- **Soli**
  - **Sporofytes**
  - **Acque**
  - **Sedimenti**
  - **Batterie**

**Energia elettrica e fisiche**

- **Electric and magnetic fields**
  - **Sensors**
  - **Energia elettrica e fisiche**

**Caratteristiche fisico-biologiche uniche**

- **Energia elettrica e magnetica**
  - **Sensori**
  - **Energia elettrica e magnetica**

**Unique physical and biological properties**

- **Sensors**
  - **Electric and magnetic fields**

**Propietà fisico-biologiche inconfondibili**

- **Sensore**
  - **Energia elettrica e magnetica**

**Caratteristiche fisico-biologiche uniche**

- **Sensore**
  - **Energia elettrica e magnetica**

**Energia elettrica e magnetica**

- **Electric and magnetic fields**

**Propietà fisico-biologiche inconfondibili**

- **Energia elettrica e magnetica**

**Caratteristiche fisico-biologiche uniche**

- **Energia elettrica e magnetica**

**Energia elettrica e magnetica**

- **Electric and magnetic fields**

**Propietà fisico-biologiche inconfondibili**

- **Energia elettrica e magnetica**

**Caratteristiche fisico-biologiche uniche**

- **Energia elettrica e magnetica**

**Energia elettrica e magnetica**

- **Electric and magnetic fields**

**Propietà fisico-biologiche inconfondibili**

- **Energia elettrica e magnetica**

**Caratteristiche fisico-biologiche uniche**

- **Energia elettrica e magnetica**
Flexibility with memory effect

For several 10 years it has been obvious that resemble barriers can save small alterations unlimited without welding up damage because the material returns.

WADIT® works on the same basis and thus offers unique elasticity. Thanks to this feature the welded material turns and moves in the sheet pile wall and maintains an absolutely safe, and returns to its initial position in normal conditions.

Superb resistance

Conventional materials start to become brittle at ambient temperatures below 5°C, which often leads to problems when work is being carried out in ground water.

When installing sheet pile walls, sealant material which contains an absolute seal, and returns to its initial position in normal conditions.

Complete protection

Its durable bond means that Wadit® prevents corrosion in normal conditions.

Unique physical and biological properties

Superb resistance

- WADIT® is an acrylate copolymer.
- It’s durable bond means that Wadit® prevents corrosion in normal conditions.
- WADIT® functions only as a precaution and offers an extra security only when the cover material is removed.
- It can be used with coatings.

Optimal resistance

- The materials commonly commercialized to ensure fugas in a temperature range of 0°C to 30°C, they even cause some problems when they are used in the area of the cap beam. The introduction of Glandon flexible material as a sealant material is advantageous. WADIT® solves this problem, and can be used as a Glandon flexible replacement (safety 0°C to 30°C). It means that the material can also be used flexibly and continue to function properly.

Protection

- It is suitable to be used in the sheet pile walls and can be employed in the sheet pile walls. WADIT® tolerates both high and low temperatures. We recommend using it in the 10% area of the Glandon flexible material as a sealant material.

Flexibility for effect memory

- It can be used as a precaution and offers an extra security only when the cover material is removed.
- It can be used with coatings.

Flexibility with memory effect

- It can be used as a precaution and offers an extra security only when the cover material is removed.
- It can be used with coatings.

Unique physical and biological properties

- It is an acrylate copolymer.
- It’s durable bond means that Wadit® prevents corrosion in normal conditions.
- WADIT® functions only as a precaution and offers an extra security only when the cover material is removed.

Optimal resistance

- The materials commonly commercialized to ensure fugas in a temperature range of 0°C to 30°C, they even cause some problems when they are used in the area of the cap beam. The introduction of Glandon flexible material as a sealant material is advantageous. WADIT® solves this problem, and can be used as a Glandon flexible replacement (safety 0°C to 30°C). It means that the material can also be used flexibly and continue to function properly.

Protection

- It is suitable to be used in the sheet pile walls and can be employed in the sheet pile walls. WADIT® tolerates both high and low temperatures. We recommend using it in the 10% area of the Glandon flexible material as a sealant material.
To place your order or for more information, dial toll-free nationwide: 866.666.7453 or +1.512.243.1228 or info@isheetpile.com

Delivery of the most typical connectors can be made to most US destinations within 1 - 4 days. ©2020