



PilePro

The World Leader in Sheet Pile Connectors

Visit PilePro.com

or call 866.666.7453 for more information

For Larssen



For Ball & Socket



For Flat Sheet



For Cold Formed



For O-Pile® = Pipe Sheet Pile



About PilePro® Connectors

Fast

Easy transport: PilePro® connectors are easily and efficiently transported with minimal risk of damage. Contrast that, with fabricated corners that cost more, weight more and are prone to handling damage.

No delay: PilePro® connectors enable the user to immediately build sheet wall configurations without the traditional fabrication process.

Less inventory: Modular corners and connectors allow distributors and contractors to greatly lower their inventory, PilePro® maintains a large stock of connectors that can be ordered on a CDQ basis in a wide range of angles and lengths, thus eliminating the need for large standing inventories.

PilePro® connectors are easier to drive and extract so that construction time is reduced

Most PilePro® products are available for quick turn-around delivery to your project site.

Some restrictions apply.



AK: 5-15 days
HI: 14-28 days

Some restrictions apply.

Order must be received by 9am on previous day and delivery is next business day.

Application Examples



Joker®



SWC 90° & SWC 120°



V 20®



O-Pile®



CF Tee®



PZ 90®



AZ/LARSEN System Overview

Don't see the best solution?
Call us at
(866) 666-7453

For Larsen AZ Sheet Pile

ANY-Z[®], page 4

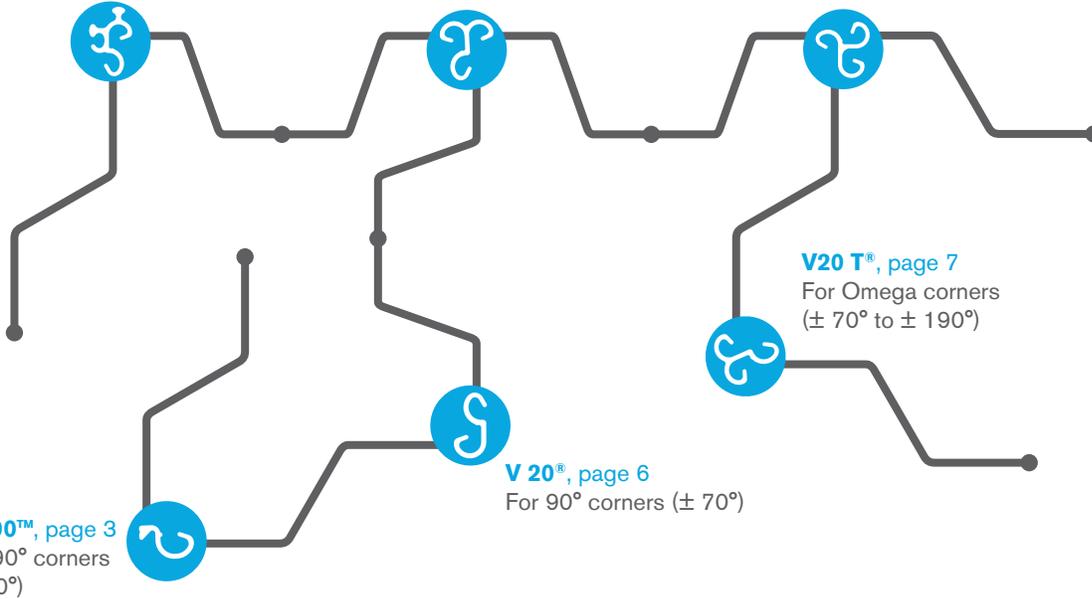
For 90° corners ($\pm 70^\circ$)

V20 T[®], page 7

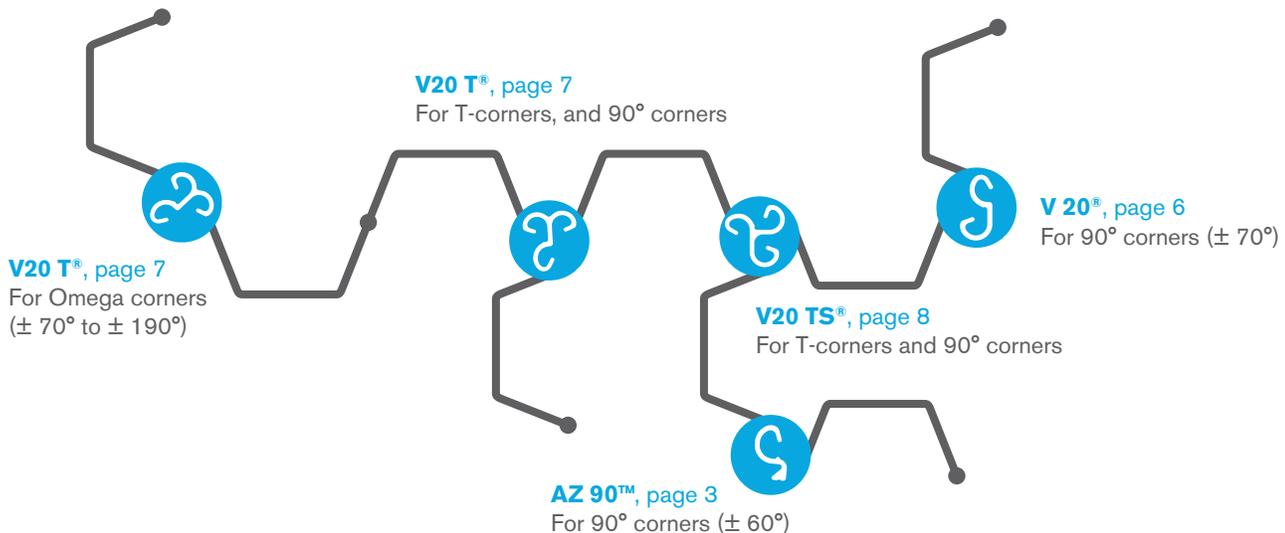
For T-corners, and 90° corners

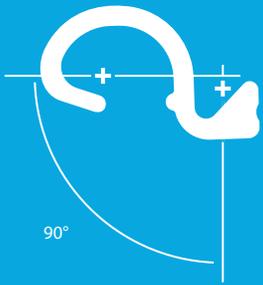
V20 TS[®], page 8

For T-corners and 90° corners



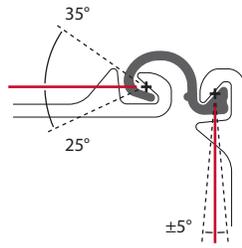
For Larsen U Sheet Pile



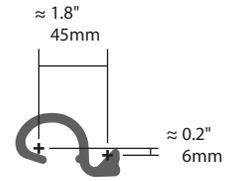


AZ 90™

Flexibility



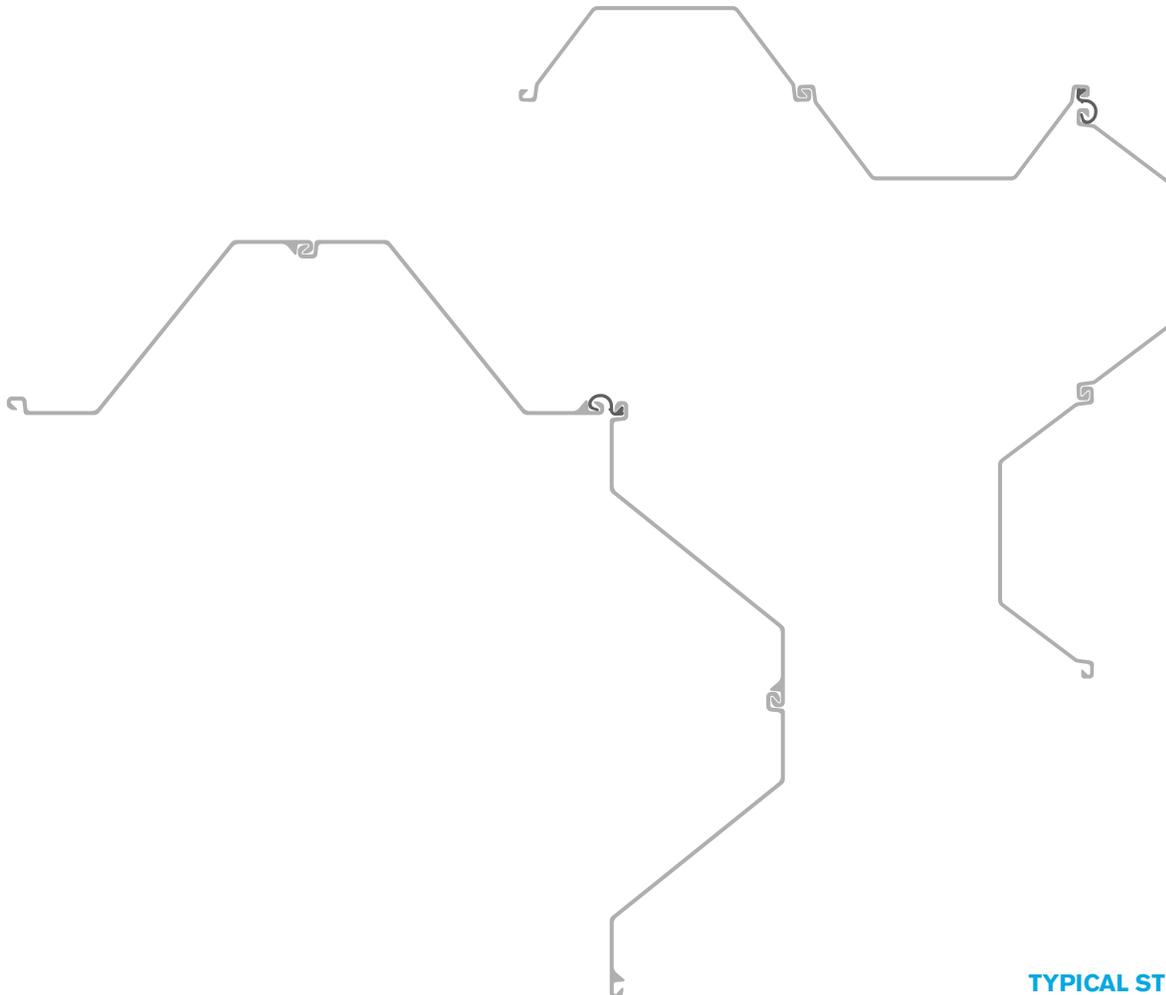
Dimensions



For 90° corners

2 WAY connections with angles up to 30°-150° for AZ/LARSEN SHEET PILE

D) ADD; WORKS WITH ALL AZ/LARSEN SHEET PILES AND ADD ALL AZ LISTED IN THE V20® SECTION

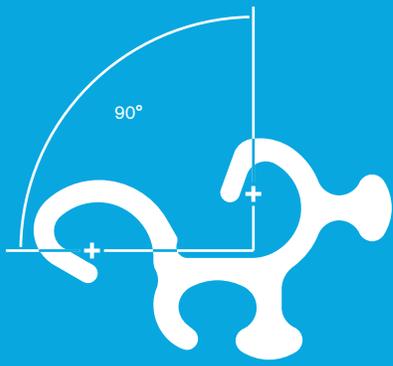


WEIGHT:
~ 5.9 lb/ft
~ 8.8 kg/m

TYPICAL STEEL GRADES:
ASTM A572 Gr. 50/60
ASTM A690

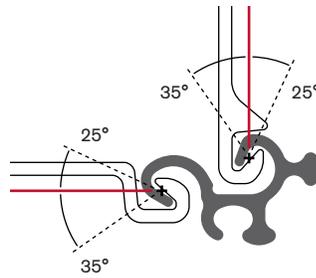
Other steel grades available upon request.

For additional details:
pilepro.com/az90

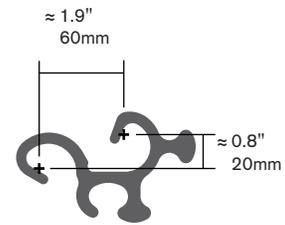


ANY-Z®

Flexibility



Dimensions



USES:

- 2-way connections with angles up to 20°-160° for AZ/Larsen, PZ/PZC, PZC 37, PZC 39, PZC 41 and most Cold Formed
- Also transitions any combination of the above mentioned sheet piles



WORKS WITH:

AZ 12-770, AZ 13, AZ 13-770, AZ 14-770, AZ 17, AZ 17-700, AZ 18, AZ 18-700, AZ 19, AZ 19-700, AZ 24-700, AZ 25, AZ 26, AZ 26-700, AZ 28, AZ 28-700, AZ 36-700N, AZ 38-700N, AZ 40-700N, AZ 42-700N, AZ 44-700N, AZ 46, AZ 46-700N, AZ 48, AZ 50, EZ80, EZ88, EZ95, H 1807, H 2507, H 2607, H 2707, H 2807, H 3907, MSZ18 312, MSZ18 340, MSZ18 350, MSZ18 375, MSZ18 406, MSZ19 340, MSZ19 350, MSZ19 375, MSZ19 406, PZ 22, PZ 27, PZ 35, PZ 40, PZC 13, PZC 14, PZC 18, PZC 19, PZC 25, PZC 26, PZC 28, SKZ 20, SKZ 22, SKZ 23, SKZ 24, SKZ 25, SKZ 31, SKZ 33, SKZ 34, SKZ 36, SKZ 38, XZ100, XZ105, XZ85, XZ90, XZ95

WEIGHT:

~ 14.6 lb/ft
~ 21.7 kg/m

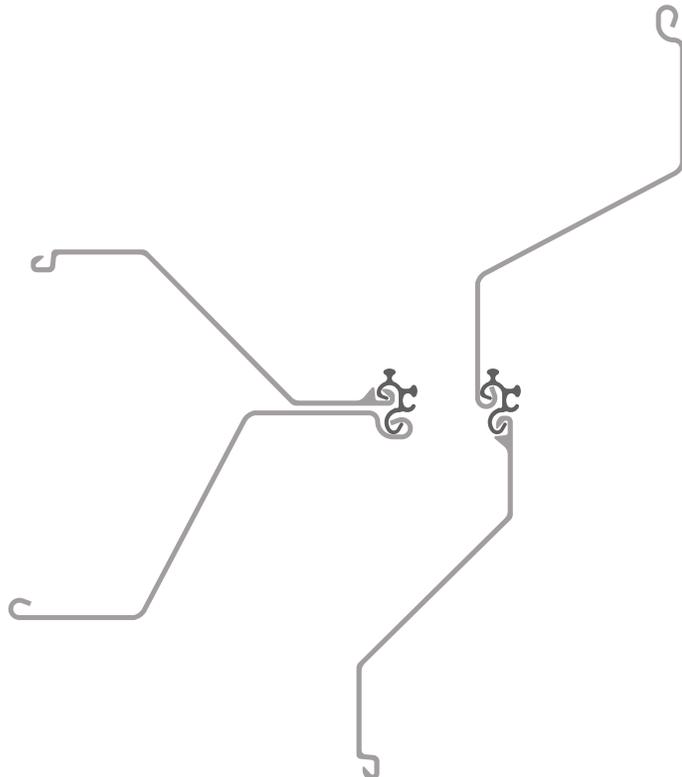
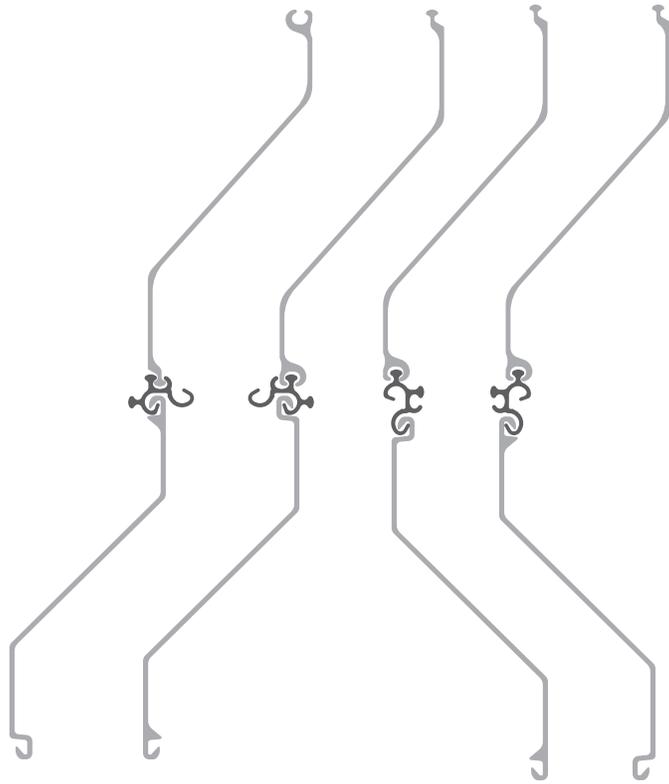
TYPICAL STEEL GRADE:

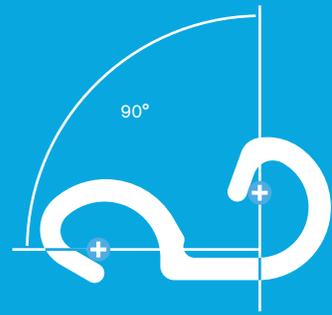
ASTM A572 Gr. 50/S355GP or higher.



For additional details and CAD files visit pilepro.com/anyz

ANY-Z[®]
(continued)





V 20®

USE:

- 2-way connections with angles up to 20°-160° for AZ/Larsen and most Cold Formed.

WORKS WITH:

AZ 12-770, AZ 13,
 AZ 13-770, AZ 14-770,
 AZ 17, AZ 17-700, AZ 18,
 AZ 18-700, AZ 19,
 AZ 19-700, AZ 24-700,
 AZ 25, AZ 26, AZ 26-700,
 AZ 28, AZ 28-700,
 AZ 36-700N, AZ 38-700N,
 AZ 40-700N, AZ 42-700N,
 AZ 44-700N, AZ 46,
 AZ 46-700N, AZ 48,
 AZ 50, EZ80, EZ88, EZ95,
 H 1807, H 2507, H 2607,
 H 2707, H 2807, H 3907,
 MSZ18 312, MSZ18 340,
 MSZ18 350, MSZ18 375,
 MSZ18 406, MSZ19 340,
 MSZ19 350, MSZ19 375,
 MSZ19 406, SKZ 20,
 SKZ 22, SKZ 23, SKZ 24,
 SKZ 25, SKZ 31, SKZ 33,
 SKZ 34, SKZ 36,
 SKZ 38, XZ100, XZ105,
 XZ85, XZ90, XZ95

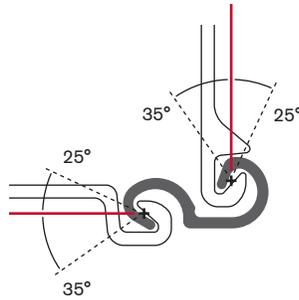
WEIGHT:

~ 8.9 lb/ft

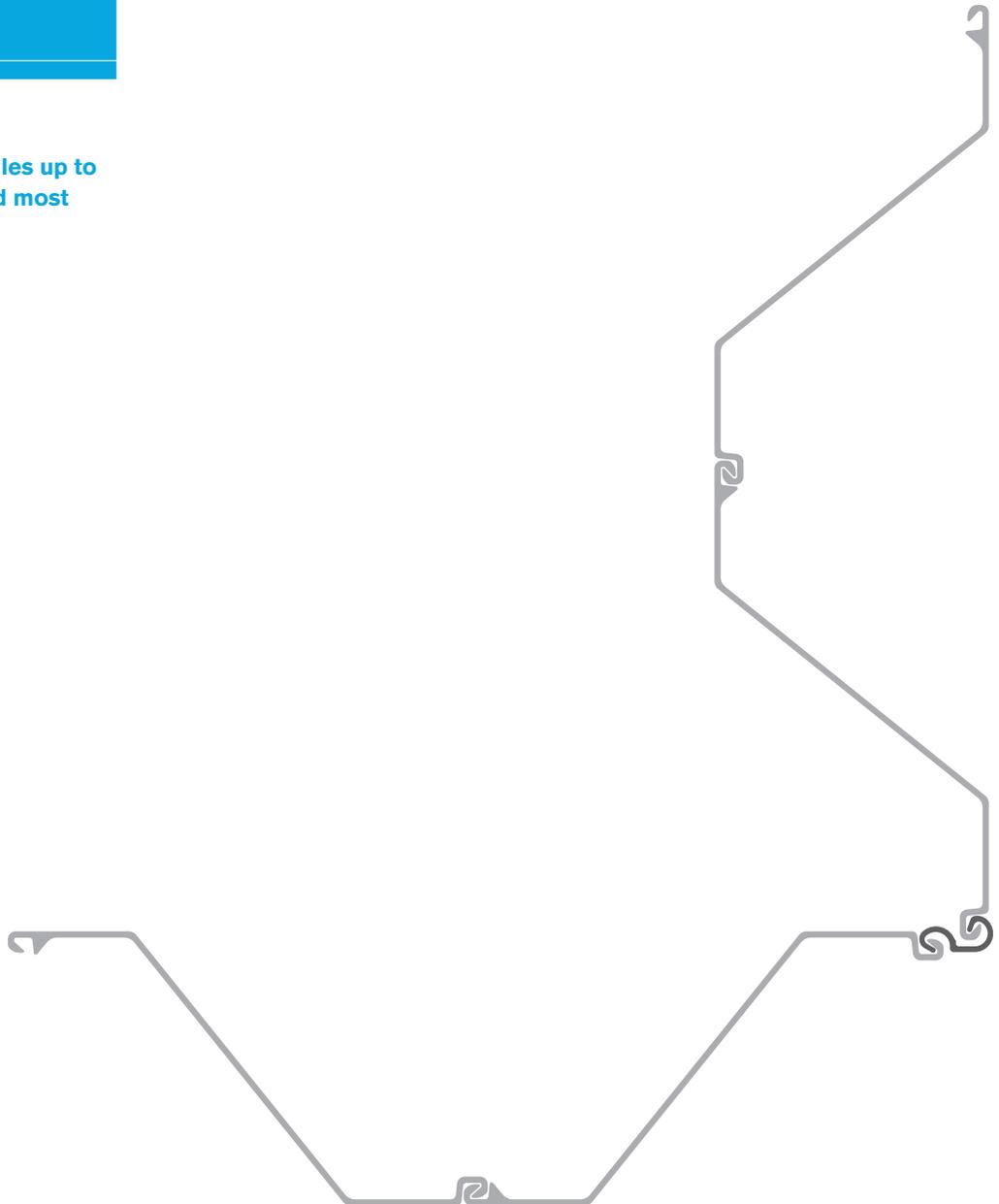
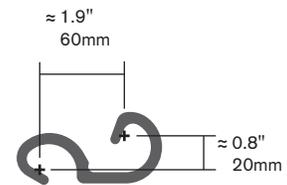
TYPICAL STEEL GRADE:

ASTM A572 Gr. 50/S355GP
 or higher.

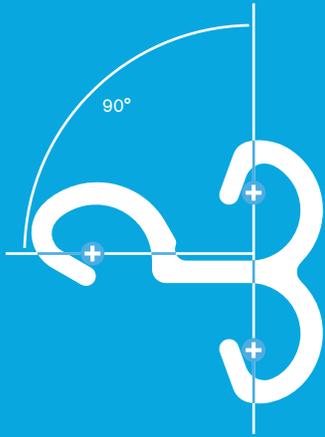
Flexibility



Dimensions

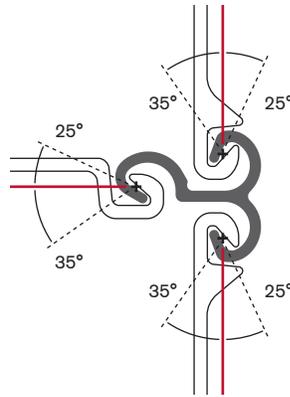


For additional details and CAD files
 visit pilepro.com/v20

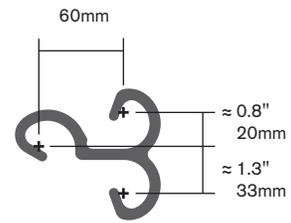


V 20 T®

Flexibility



Dimensions



USES:

- 2-way connections with angles up to 20°-160° for AZ/Larsen and most Cold Formed
- Omega corner
- 3-way flexible connections with direction changing

NOTE: PRODUCT COVERS 90% OF AZ/Larsen CONNECTOR NEEDS

WORKS WITH:

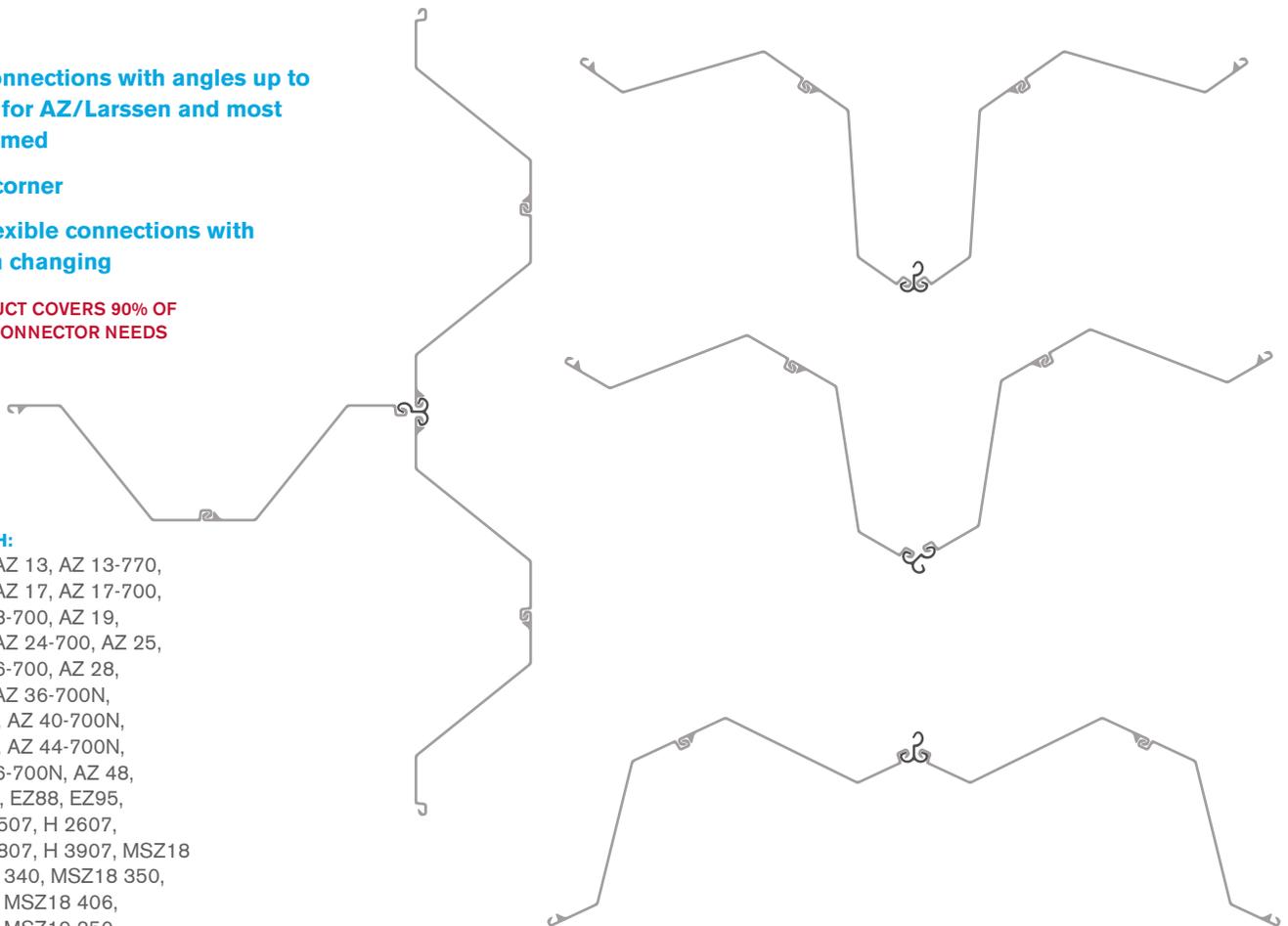
AZ 12-770, AZ 13, AZ 13-770, AZ 14-770, AZ 17, AZ 17-700, AZ 18, AZ 18-700, AZ 19, AZ 19-700, AZ 24-700, AZ 25, AZ 26, AZ 26-700, AZ 28, AZ 28-700, AZ 36-700N, AZ 38-700N, AZ 40-700N, AZ 42-700N, AZ 44-700N, AZ 46, AZ 46-700N, AZ 48, AZ 50, EZ80, EZ88, EZ95, H 1807, H 2507, H 2607, H 2707, H 2807, H 3907, MSZ18 312, MSZ18 340, MSZ18 350, MSZ18 375, MSZ18 406, MSZ19 340, MSZ19 350, MSZ19 375, MSZ19 406, SKZ 20, SKZ 22, SKZ 23, SKZ 24, SKZ 25, SKZ 31, SKZ 33, SKZ 34, SKZ 36, SKZ 38, XZ100, XZ105, XZ85, XZ90, XZ95

WEIGHT:

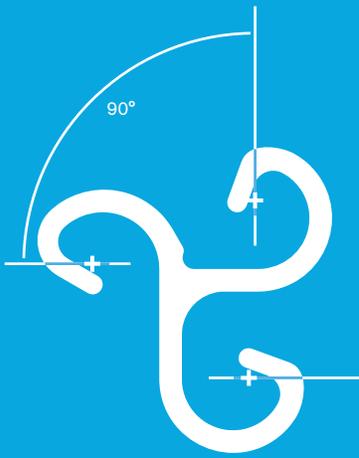
~ 12.2 lb/ft

TYPICAL STEEL GRADE:

ASTM A572 Gr. 50/S355GP or higher.



For additional details and CAD files visit pilepro.com/v20_t

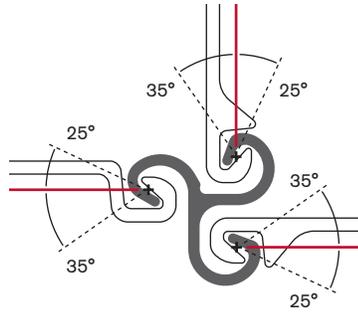


V 20 TS®

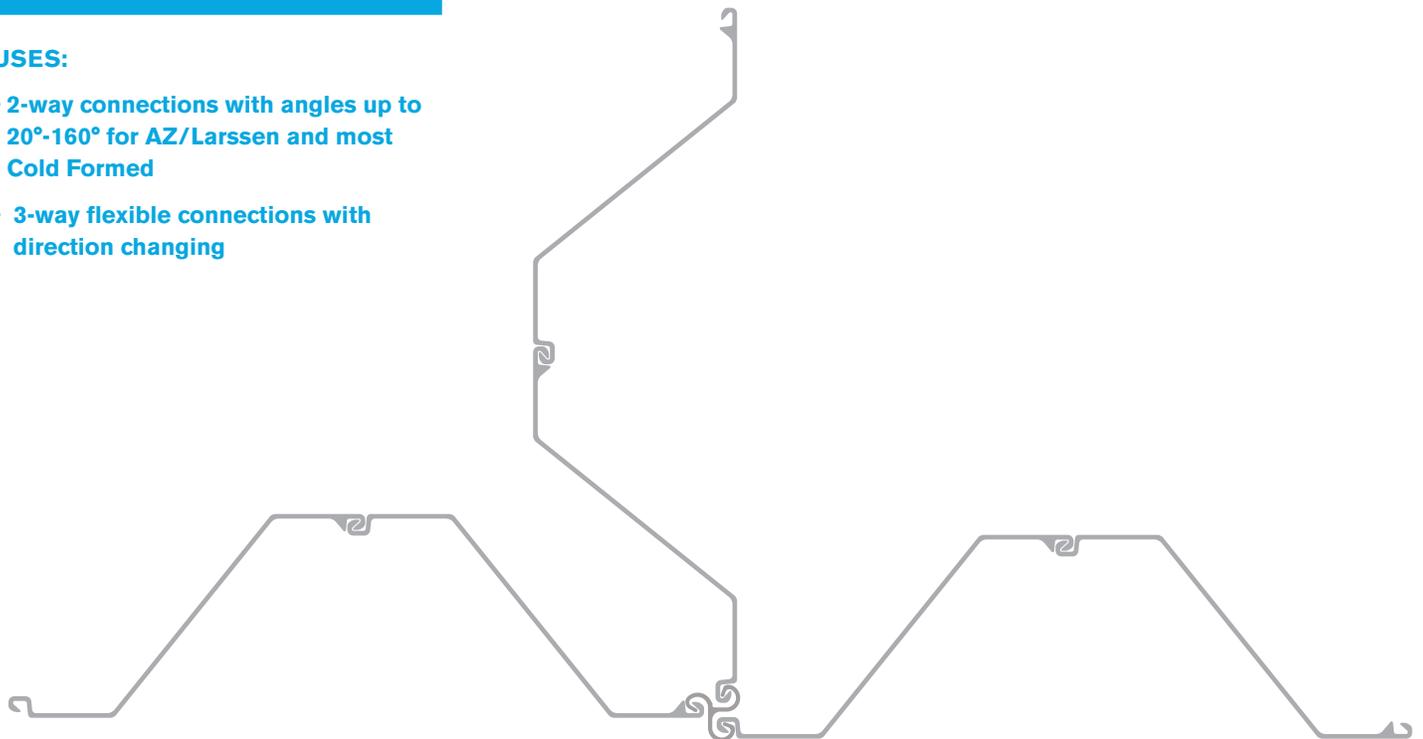
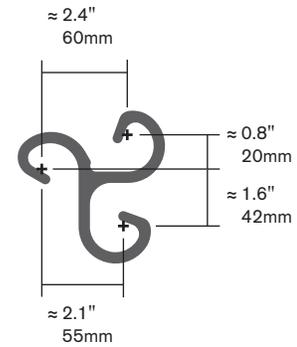
USES:

- 2-way connections with angles up to 20°-160° for AZ/Larsen and most Cold Formed
- 3-way flexible connections with direction changing

Flexibility



Dimensions



WORKS WITH:

AZ 12-770, AZ 13, AZ 13-770, AZ 14-770, AZ 17, AZ 17-700, AZ 18, AZ 18-700, AZ 19, AZ 19-700, AZ 24-700, AZ 25, AZ 26, AZ 26-700, AZ 28, AZ 28-700, AZ 36-700N, AZ 38-700N, AZ 40-700N, AZ 42-700N, AZ 44-700N, AZ 46, AZ 46-700N, AZ 48, AZ 50, EZ80, EZ88, EZ95, H 1807, H 2507, H 2607, H 2707, H 2807, H 3907, MSZ18 312, MSZ18 340, MSZ18 350, MSZ18 375, MSZ18 406, MSZ19 340, MSZ19 350, MSZ19 375, MSZ19 406, SKZ 20, SKZ 22, SKZ 23, SKZ 24, SKZ 25, SKZ 31, SKZ 33, SKZ 34, SKZ 36, SKZ 38, XZ100, XZ105, XZ85, XZ90, XZ95

WEIGHT:

~ 14.7 lb/ft

TYPICAL STEEL GRADE:

ASTM A572 Gr. 50/S355GP
or higher.

For additional details and CAD files
visit pilepro.com/v20_ts

PZ/PZC System Overview

For PZ/PZC Sheet Pile

Don't see the best solution?
Call us at
(866) 666-7453

PZ 90[®], page 12
For 90° corners ($\pm 40^\circ$)

Joker[®], page 17
For T-corners,
For 90° Corners ($\pm 40^\circ$)

PZT-S[®], page 14
For T-corners,
For 90° Corners ($\pm 40^\circ$)

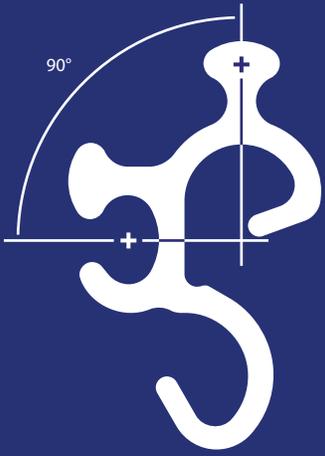
ANY-Z[®], p 10
For 90° corners ($\pm 40^\circ$)

PZ Tee[®], page 13
For T-corners,
For 90° Corners ($\pm 40^\circ$)

Cobra[®], page 16
For 135° corners ($\pm 40^\circ$)

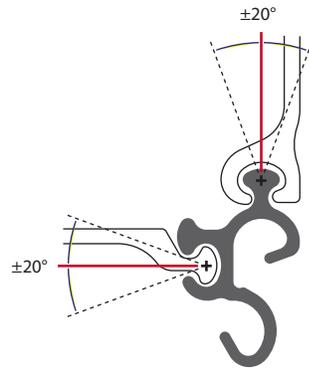
Colt[®], page 15
For 45° corners ($\pm 40^\circ$)

Bullhead[®], page 18
For T-corners,
For 90° Corners ($\pm 40^\circ$)

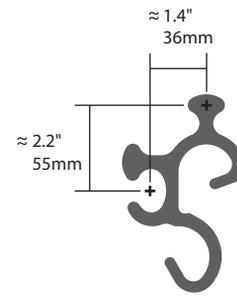


ANY-Z[®]

Flexibility



Dimensions



USES:

- 2-way connections with angles up to 20°-160° for AZ/Larsen, PZ/PZC, PZC 37, PZC 39, PZC 41 and most Cold Formed
- Also transitions any combination of the above mentioned sheet piles



WORKS WITH:

AZ 12-770, AZ 13, AZ 13-770, AZ 14-770, AZ 17, AZ 17-700, AZ 18, AZ 18-700, AZ 19, AZ 19-700, AZ 24-700, AZ 25, AZ 26, AZ 26-700, AZ 28, AZ 28-700, AZ 36-700N, AZ 38-700N, AZ 40-700N, AZ 42-700N, AZ 44-700N, AZ 46, AZ 46-700N, AZ 48, AZ 50, EZ80, EZ88, EZ95, H 1807, H 2507, H 2607, H 2707, H 2807, H 3907, MSZ18 312, MSZ18 340, MSZ18 350, MSZ18 375, MSZ18 406, MSZ19 340, MSZ19 350, MSZ19 375, MSZ19 406, SKZ 20, SKZ 22, SKZ 23, SKZ 24, SKZ 25, SKZ 31, SKZ 33, SKZ 34, SKZ 36, SKZ 38, XZ100, XZ105, XZ85, XZ90, XZ95

WEIGHT:

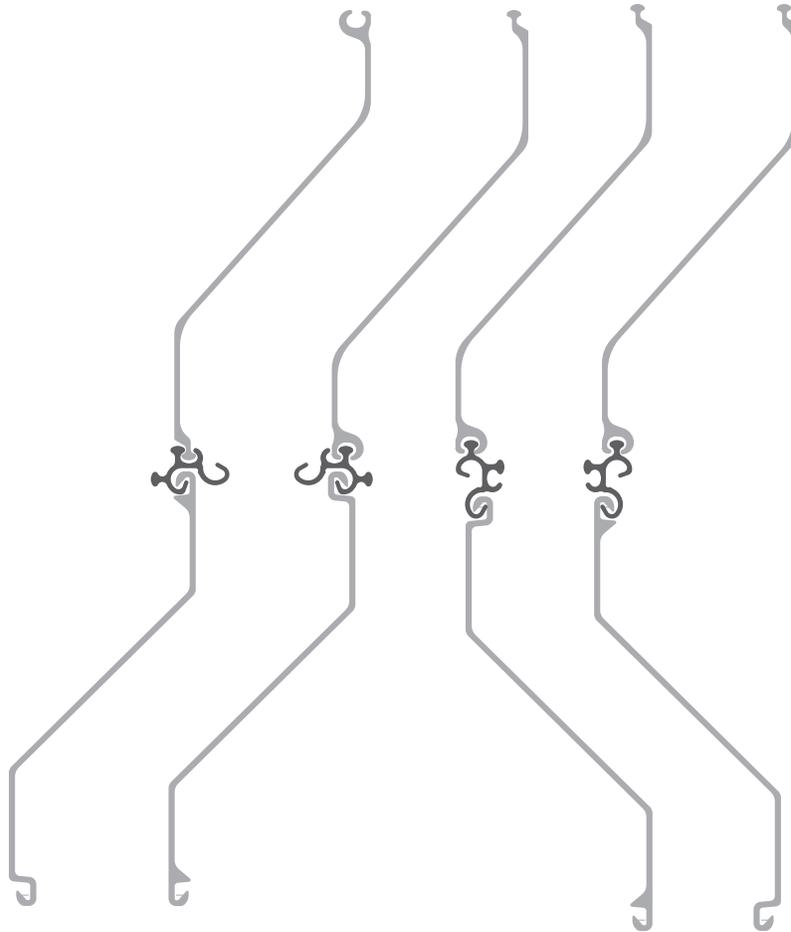
~ 14.6 lb/ft
~ 21.7 kg/m

TYPICAL STEEL GRADE:

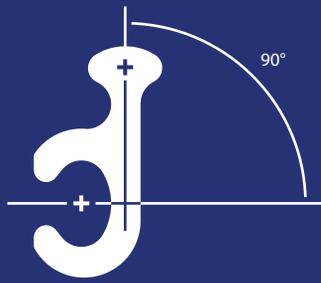
ASTM A572 Gr. 50/S355GP or higher.

For additional details and CAD files visit pilepro.com/anyz

ANY-Z[®]
(continued)



For additional details: pilepro.com/anyz

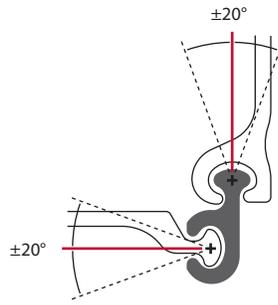


PZ 90[®]

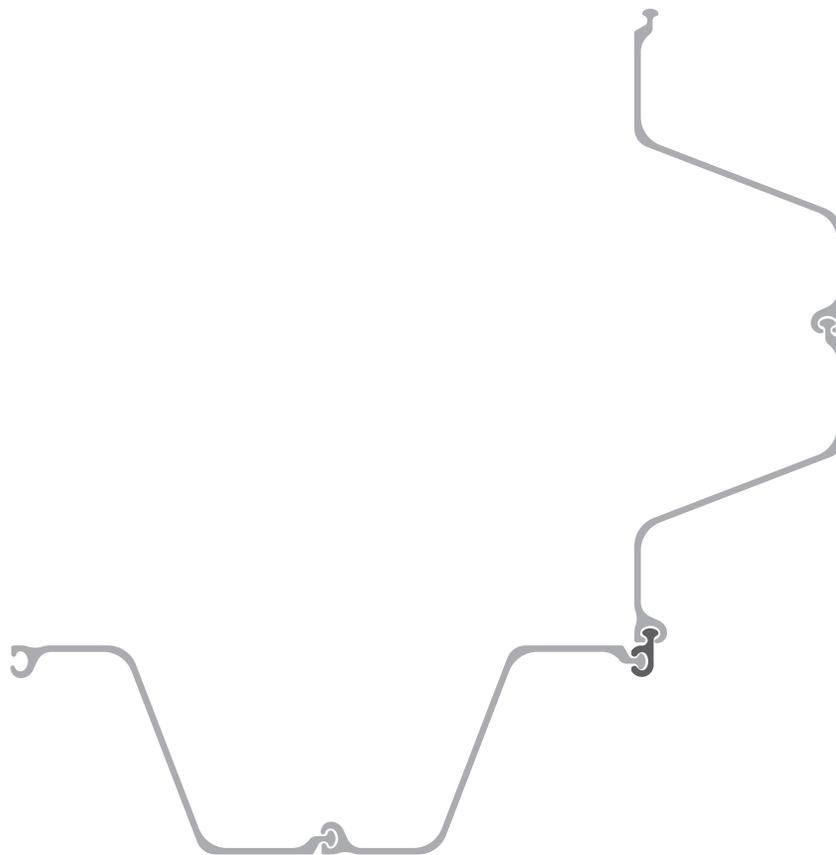
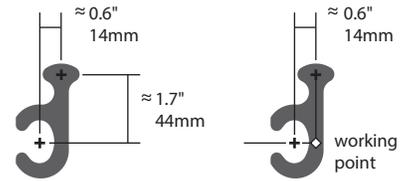
USE:

- 2-way connections with angles up to 50°-130°

Flexibility



Dimensions



WORKS WITH:

PZ 22, PZ 27, PZ 35, PZ 40, PZC 13, PZC 14, PZC 18, PZC 19, PZC 25, PZC 26, PZC 28, PZC 37, PZC 39, PZC 41

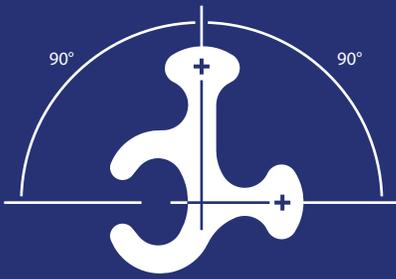
WEIGHT:

~ 7.3 lb/ft
~ 10.9 kg/m

TYPICAL STEEL GRADE:

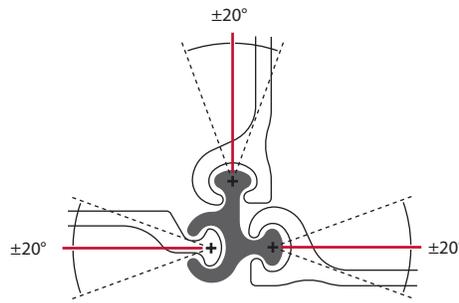
ASTM A572 Gr. 50/S355GP or higher.

For additional details and CAD files visit pilepro.com/pz90

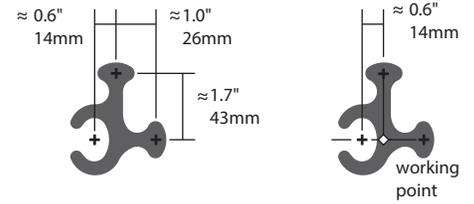


PZ Tee®

Flexibility

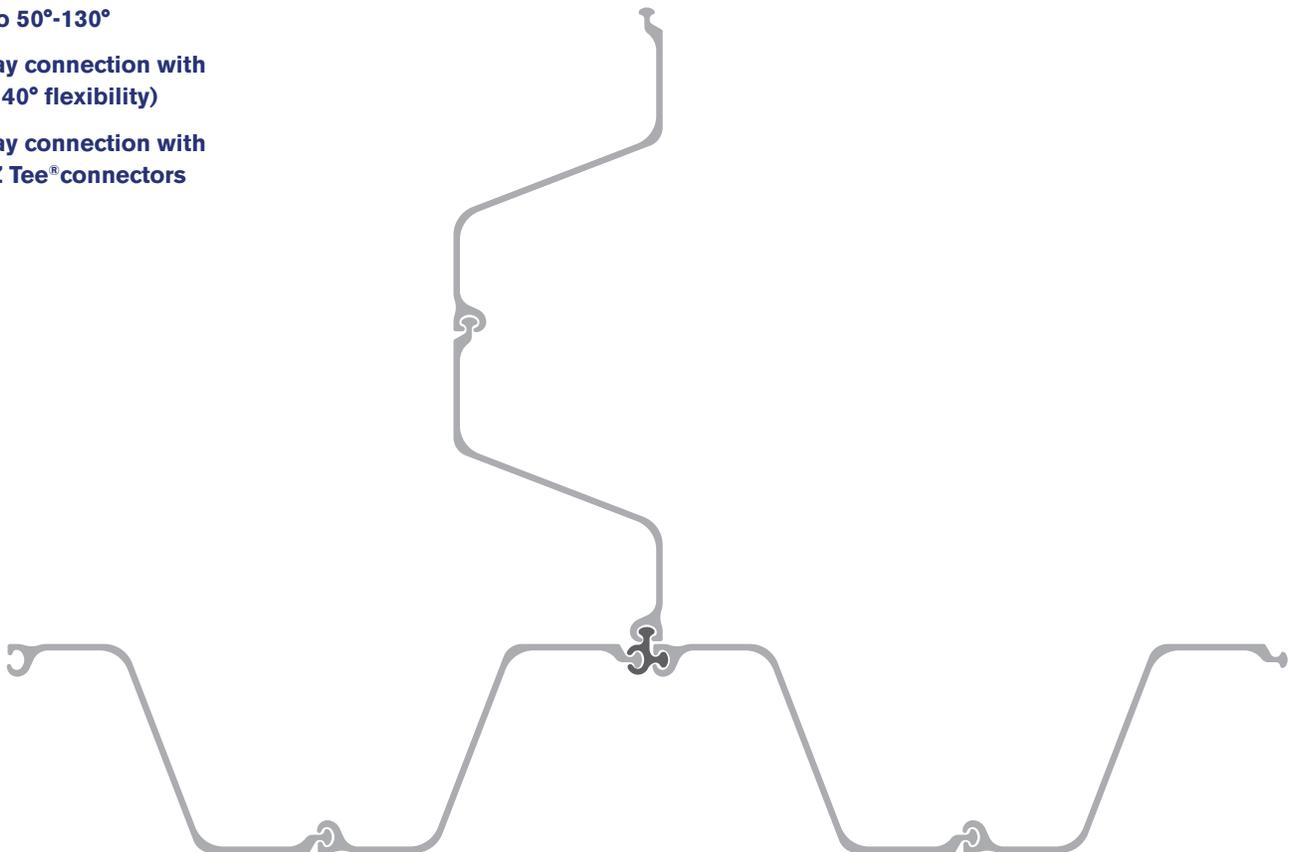


Dimensions



USES:

- 2-way connections with angles up to 50°-130°
- 3-way connection with (+/- 40° flexibility)
- 4-way connection with 2 PZ Tee® connectors



WORKS WITH:

PZ 22, PZ 27, PZ 35, PZ 40, PZC 13, PZC 14, PZC 18, PZC 19, PZC 25, PZC 26, PZC 28, PZC 37, PZC 39, PZC 41

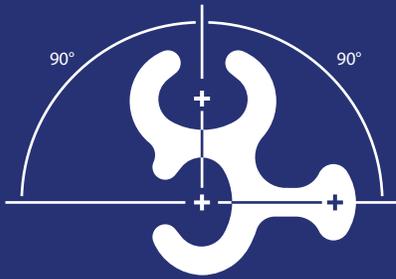
WEIGHT:

~ 9.0 lb/ft
~ 13.4 kg/m

TYPICAL STEEL GRADE:

ASTM A572 Gr. 50/S355GP or higher.

For additional details and CAD files visit pilepro.com/pztee

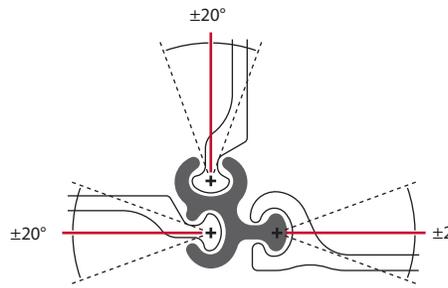


PZT-S

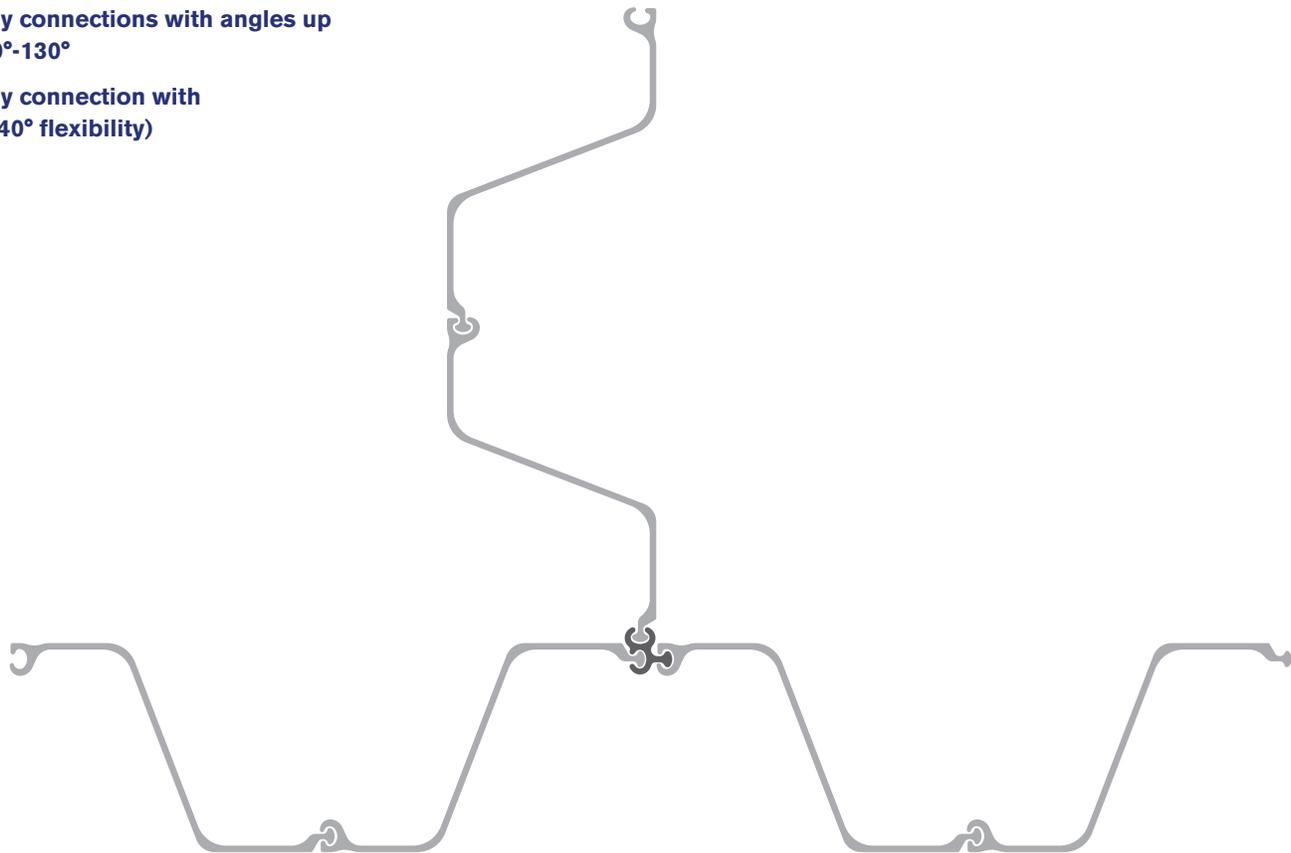
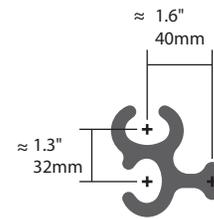
USES:

- 2-way connections with angles up to 50°-130°
- 3-way connection with (+/- 40° flexibility)

Flexibility



Dimensions



WORKS WITH:

PZ 22, PZ 27, PZ 35, PZ 40, PZC 13, PZC 14,
PZC 18, PZC 19, PZC 25, PZC 26, PZC 28,
PZC 37, PZC 39, PZC 41

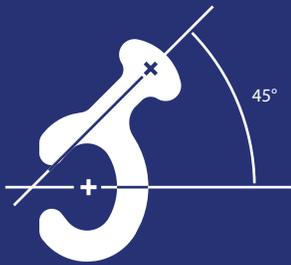
WEIGHT:

~ 9.7 lb/ft
~ 14.4 kg/m

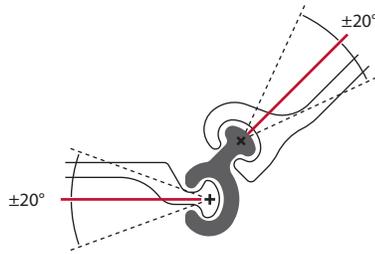
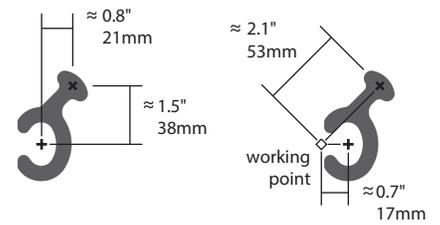
TYPICAL STEEL GRADE:

ASTM A572 Gr. 50/S355GP
or higher.

For additional details and CAD files
visit pilepro.com/pzts



Colt®

Flexibility**Dimensions****USE:**

- 2-way connection offering 45° corners with a flex from 95° to 175°

**WORKS WITH:**

PZ 22, PZ 27, PZ 35, PZ 40, PZC 13, PZC 14,
PZC 18, PZC 19, PZC 25, PZC 26, PZC 28,
PZC 37, PZC 39, PZC 41

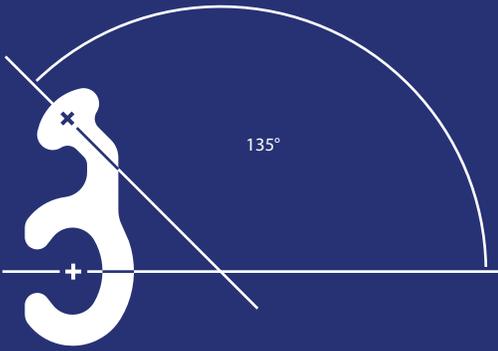
WEIGHT:

~ 6.9 lb/ft
~ 10.2 kg/m

TYPICAL STEEL GRADE:

ASTM A572 Gr. 50/S355GP
or higher.

For additional details and CAD files
visit pilepro.com/colt

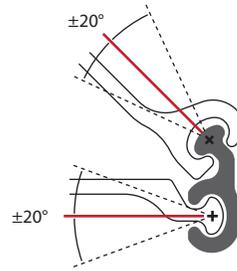


Cobra

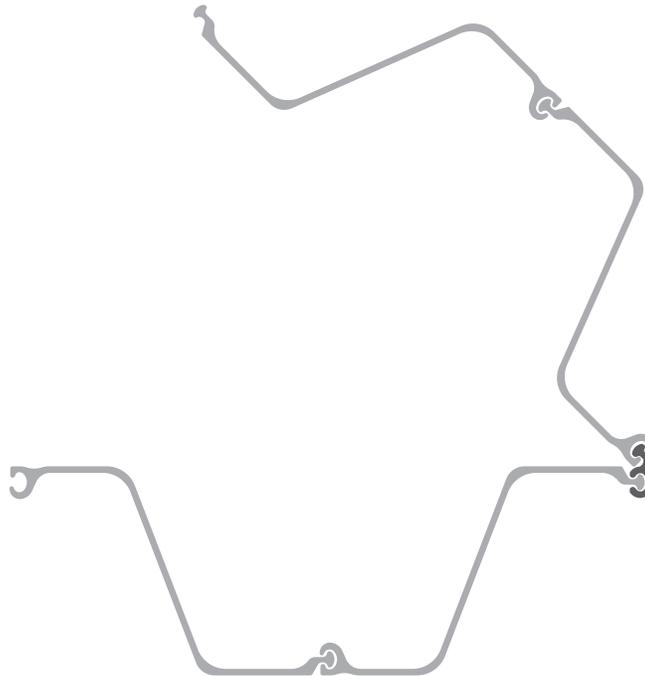
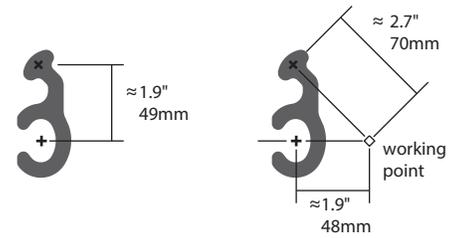
USE:

- 2-way connection offering 135° corners with a flex from 5° to 85°

Flexibility



Dimensions



WORKS WITH:

PZ 22, PZ 27, PZ 35, PZ 40, PZC 13, PZC 14,
PZC 18, PZC 19, PZC 25, PZC 26, PZC 28,
PZC 37, PZC 39, PZC 41

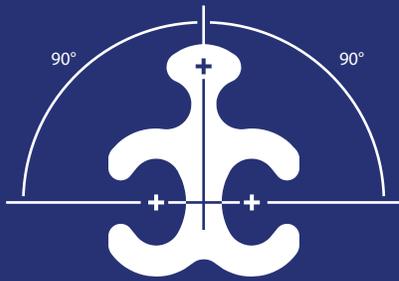
WEIGHT:

~ 7.5 lb/ft
~ 11.1 kg/m

TYPICAL STEEL GRADE:

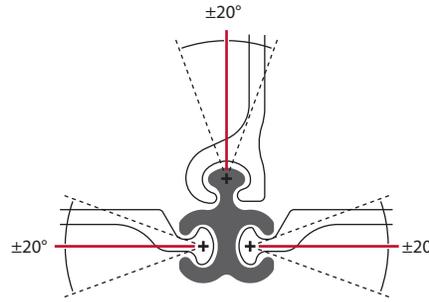
ASTM A572 Gr. 50/S355GP
or higher.

For additional details and CAD files
visit pilepro.com/cobra

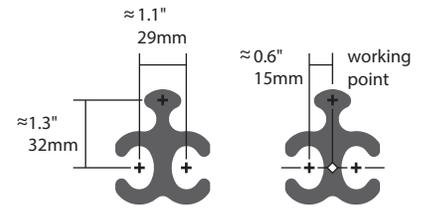


Joker®

Flexibility

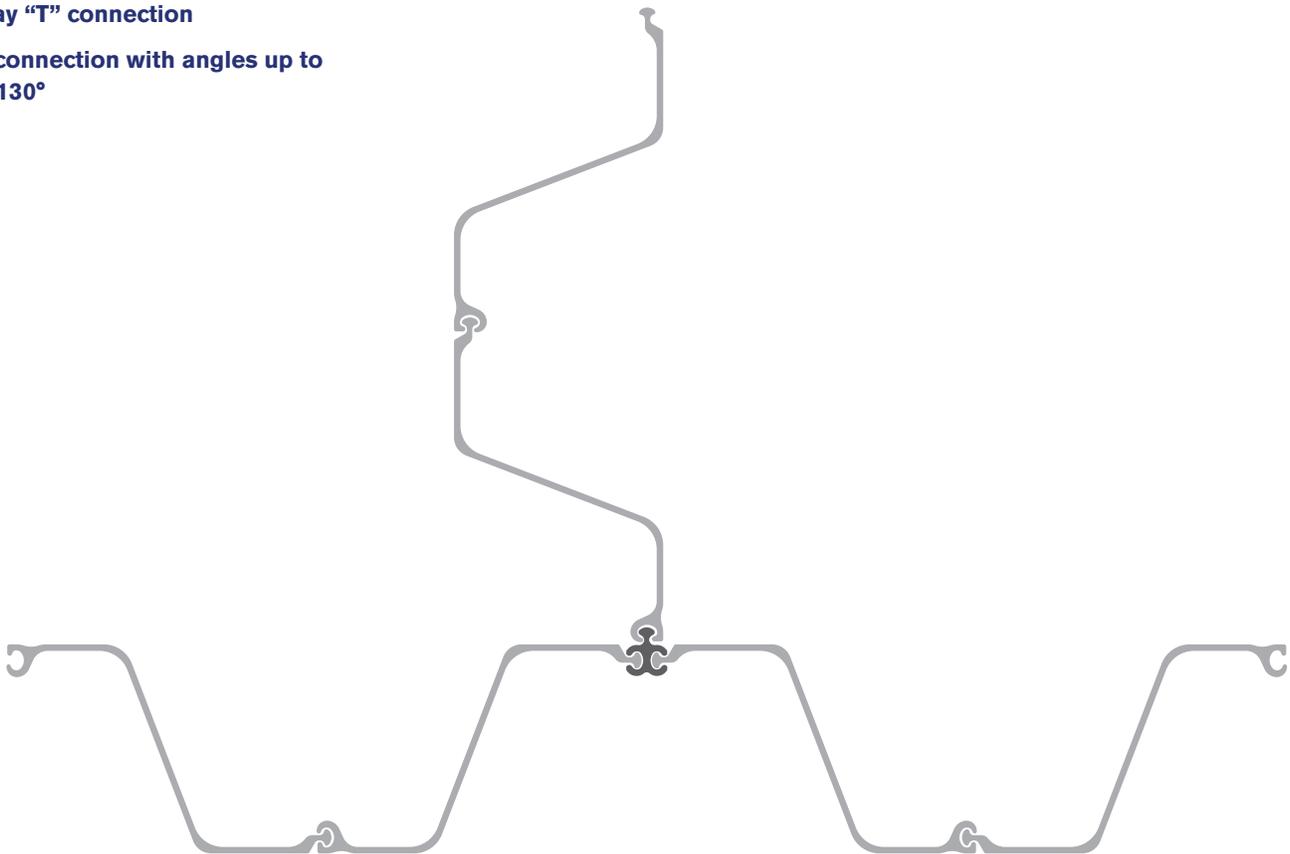


Dimensions



USES:

- 3-way "T" connection
- 90° connection with angles up to 50°-130°



WORKS WITH:

PZ 22, PZ 27, PZ 35, PZ 40, PZC 13, PZC 14,
PZC 18, PZC 19, PZC 25, PZC 26, PZC 28,
PZC 37, PZC 39, PZC 41

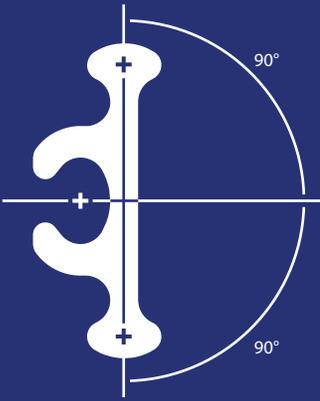
WEIGHT:

~ 10.9 lb/ft
~ 16.2 kg/m

TYPICAL STEEL GRADE:

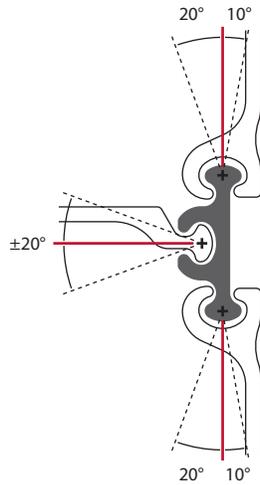
ASTM A572 Gr. 50/S355GP
or higher.

For additional details and CAD files
visit pilepro.com/joker®

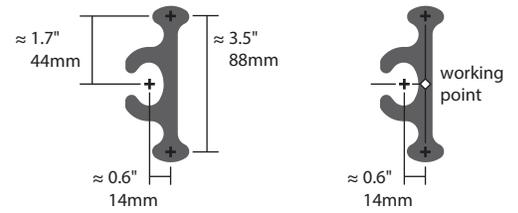


Bullhead®

Flexibility

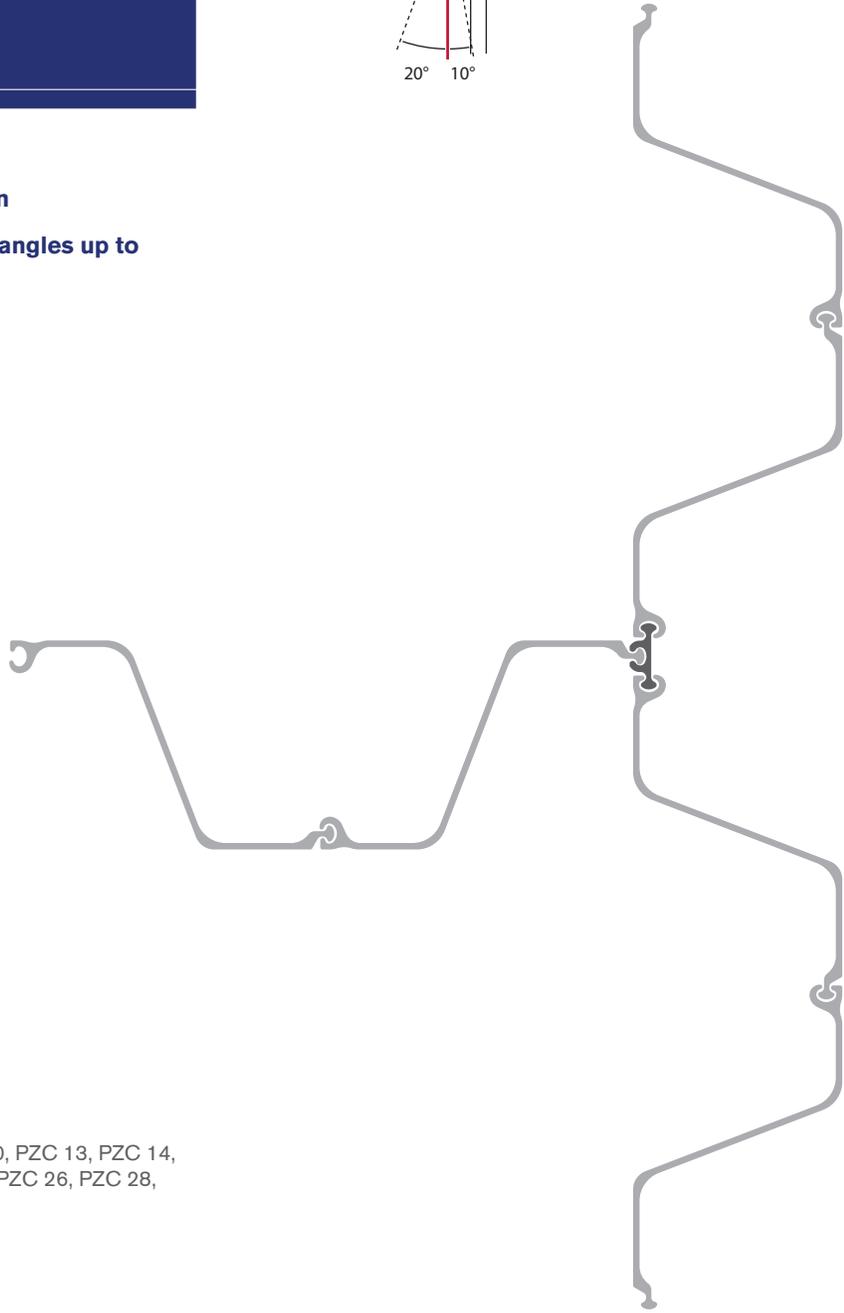


Dimensions



Uses:

- 3-way "T" connection
- 90° connection with angles up to 50°-130°



WORKS WITH:

PZ 22, PZ 27, PZ 35, PZ 40, PZC 13, PZC 14, PZC 18, PZC 19, PZC 25, PZC 26, PZC 28, PZC 37, PZC 39, PZC 41

WEIGHT:

~ 9.7 lb/ft
~ 14.5 kg/m

TYPICAL STEEL GRADE:

ASTM A572 Gr. 50/S355GP or higher.

For additional details and CAD files visit pilepro.com/bullhead

Cold Formed System Overview

For Cold Formed Sheet Pile

CF 90[®], page 22
For 90° corners



CF 90[®], page 2
For 90° corners ($\pm 60^\circ$),
For AZ/Larsen \leftrightarrow Cold Formed
transitions



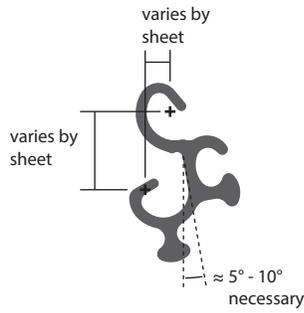
CF Tee[®], page 23
For T-corners and 90° corners

ANY-Z[®], page 20
For 90° corners ($\pm 60^\circ$),
For CF/Cold formed \leftrightarrow PZ/PZC,
For CF/Cold formed \leftrightarrow AZ/Larsen transitions

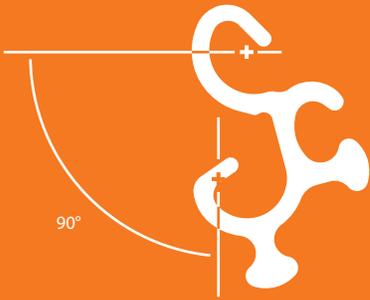
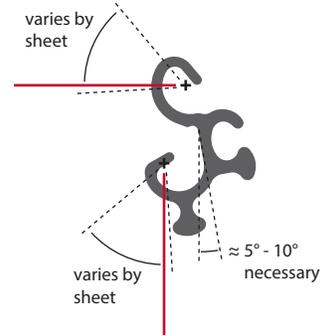
PilePro[®] connectors are designed for compatibility with the great majority of cold formed piles available globally.

For sheets 1/2" thick and greater, we have large variations available by request.

Dimensions



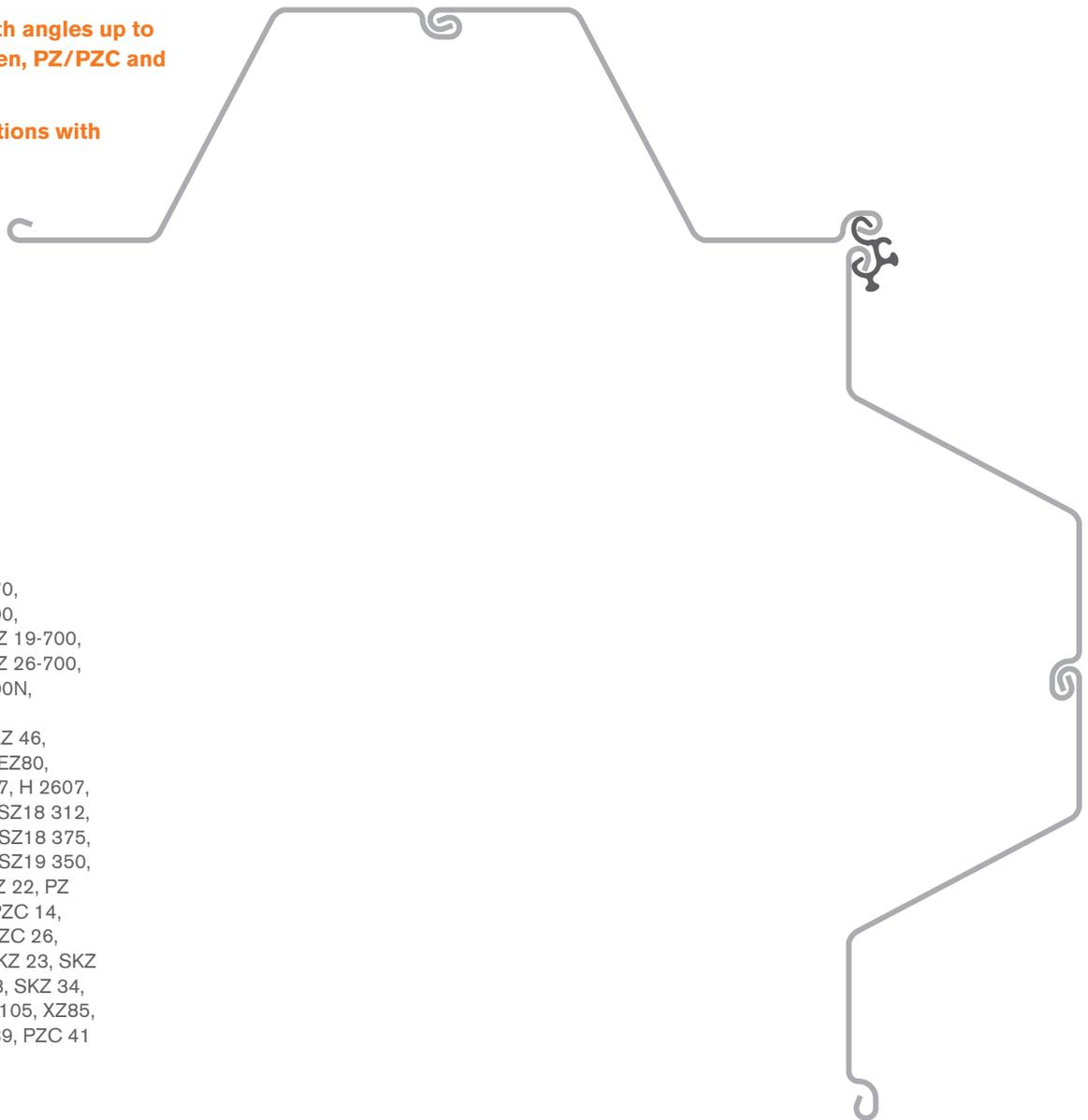
Flexibility



ANY-Z[®]

USES:

- 2-way connections with angles up to 20°-160° for AZ/Larssen, PZ/PZC and most Cold Formed
- 3-way flexible connections with direction changing



WORKS WITH:

AZ 12-770, AZ 13, AZ 13-770, AZ 14-770, AZ 17, AZ 17-700, AZ 18, AZ 18-700, AZ 19, AZ 19-700, AZ 24-700, AZ 25, AZ 26, AZ 26-700, AZ 28, AZ 28-700, AZ 36-700N, AZ 38-700N, AZ 40-700N, AZ 42-700N, AZ 44-700N, AZ 46, AZ 46-700N, AZ 48, AZ 50, EZ80, EZ88, EZ95, H 1807, H 2507, H 2607, H 2707, H 2807, H 3907, MSZ18 312, MSZ18 340, MSZ18 350, MSZ18 375, MSZ18 406, MSZ19 340, MSZ19 350, MSZ19 375, MSZ19 406, PZ 22, PZ 27, PZ 35, PZ 40, PZC 13, PZC 14, PZC 18, PZC 19, PZC 25, PZC 26, PZC 28, SKZ 20, SKZ 22, SKZ 23, SKZ 24, SKZ 25, SKZ 31, SKZ 33, SKZ 34, SKZ 36, SKZ 38, XZ100, XZ105, XZ85, XZ90, XZ95, PZC 37, PZC 39, PZC 41

WEIGHT:

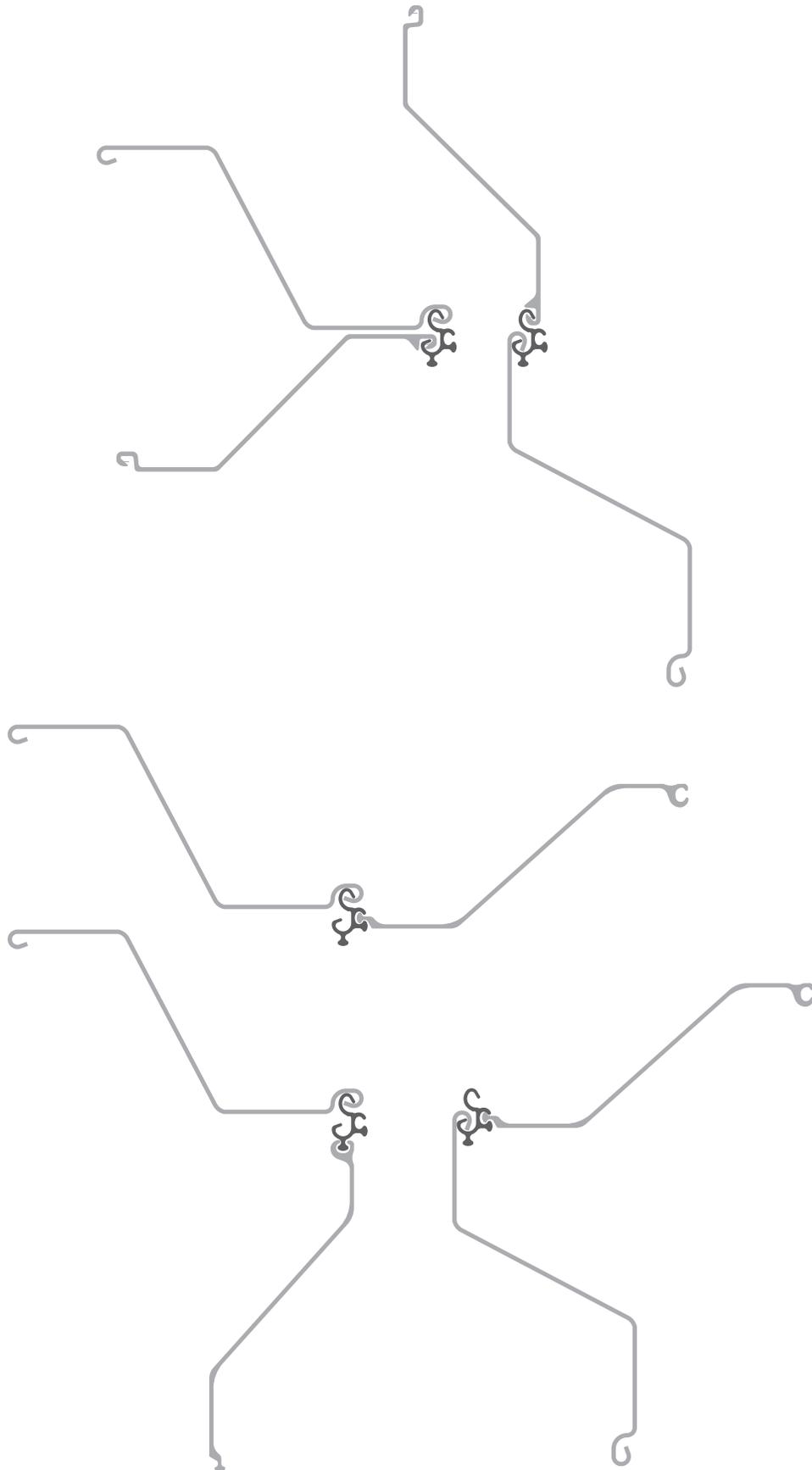
~ 14.6 lb/ft
~ 21.7 kg/m

TYPICAL STEEL GRADE:

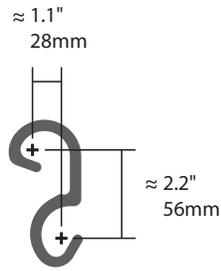
ASTM A572 Gr. 50/S355GP or higher.

For additional details and "works with" list, visit pilepro.com/anyz

ANY-Z[®]
(continued)



Dimensions

CF 90[®]

USE:

- 2-way connections with angles up to 20°-160° for most Cold Formed shapes

WORKS WITH:

EZ80, EZ88, EZ95, JZ112,
 MSZ18 312, MSZ18 340,
 MSZ18 350, MSZ18 375,
 MSZ18 406, MSZ19 340,
 MSZ19 350, MSZ19 375,
 MSZ19 406, PAZ-CF 4460,
 PAZ-CF 4470, PAZ-CF 5460,
 PAZ-CF 5470, PAZ-CF 5480,
 PAZ-CF 5560, PAZ-CF 5570,
 PAZ-CF 5580, SCZ 14,
 SCZ 16, SCZ 17, SCZ 18,
 SCZ 19, SCZ 21, SCZ 22,
 SCZ 23, SCZ 25, SCZ 26,
 SCZ 29, SCZ 30, SKZ 20,
 SKZ 22, SKZ 23, SKZ 24,
 SKZ 25, SKZ 31, SKZ 33,
 SKZ 34, SKZ 36, SKZ 38,
 XZ100, XZ105, XZ85, XZ90,
 XZ95, Z 55, Z 60, Z 65,
 Z 70, Z 75

WEIGHT:

~ 8.9 lb/ft
 ~ 13.2 kg/m

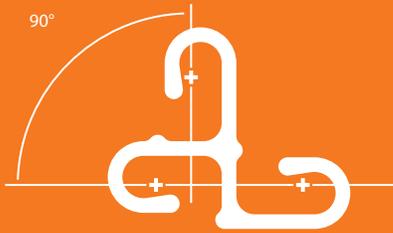
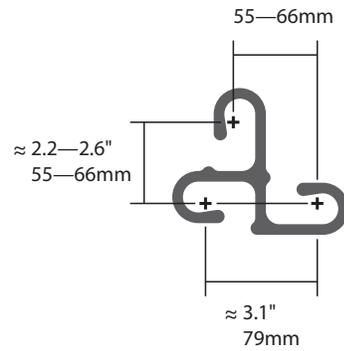
TYPICAL STEEL GRADE:

ASTM A572 Gr. 50/S355GP
 or higher.



For additional details and CAD files
[visit pilepro.com/cfc90](http://visit.pilepro.com/cfc90)

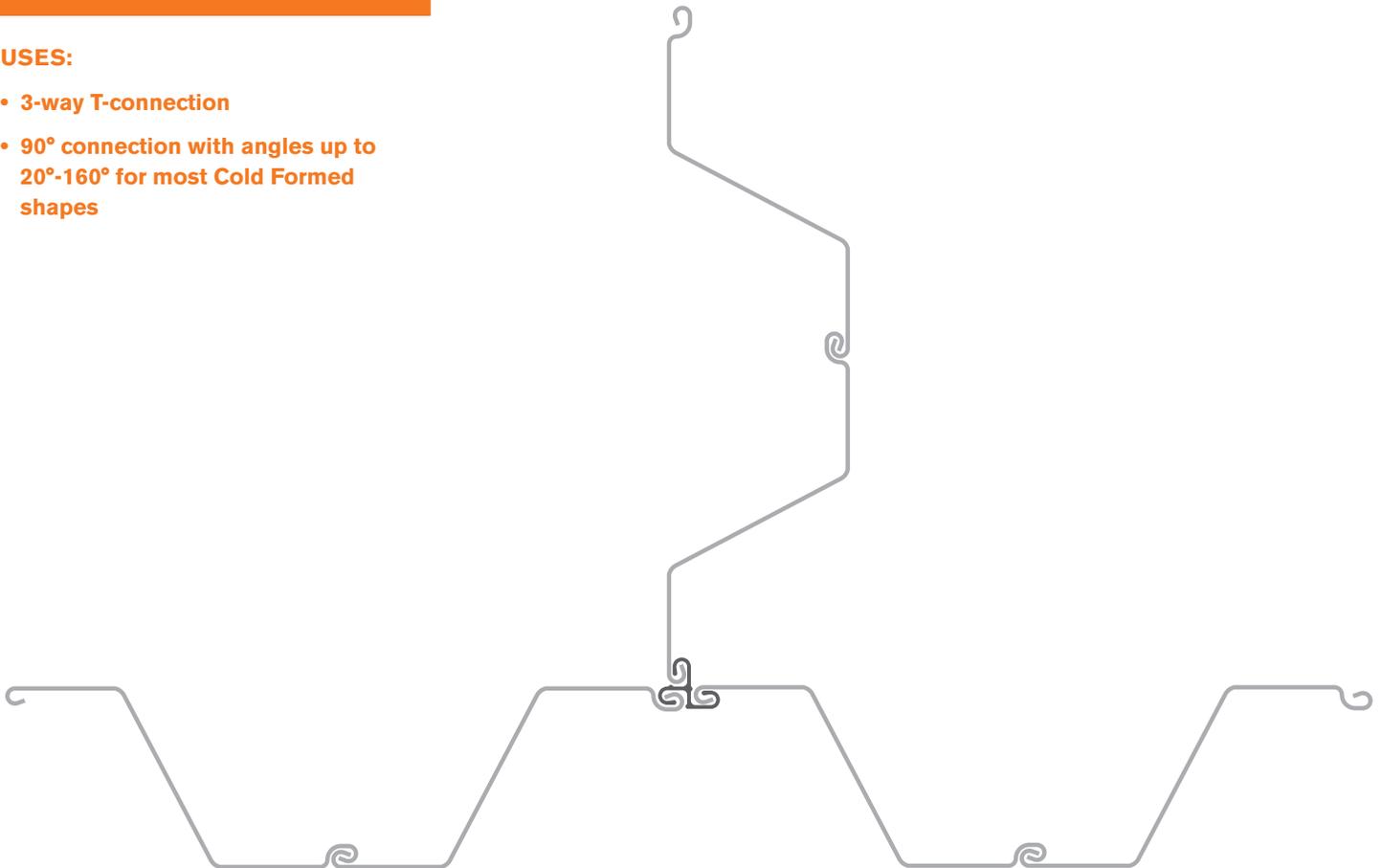
Dimensions



CF Tee®

USES:

- 3-way T-connection
- 90° connection with angles up to 20°-160° for most Cold Formed shapes



FITS:

EZ80, EZ88, EZ95, JZ112, MSZ18 312, MSZ18 340, MSZ18 350, MSZ18 375, MSZ18 406, MSZ19 340, MSZ19 350, MSZ19 375, MSZ19 406, PAZ-CF 4460, PAZ-CF 4470, PAZ-CF 5460, PAZ-CF 5470, PAZ-CF 5480, PAZ-CF 5560, PAZ-CF 5570, PAZ-CF 5580, SCZ 14, SCZ 16, SCZ 17, SCZ 18, SCZ 19, SCZ 21, SCZ 22, SCZ 23, SCZ 25, SCZ 26, SCZ 29, SCZ 30, SKZ 20, SKZ 22, SKZ 23, SKZ 24, SKZ 25, SKZ 31, SKZ 33, SKZ 34, SKZ 36, SKZ 38, XZ100, XZ105, XZ85, XZ90, XZ95, Z 55, Z 60, Z 65, Z 70, Z 75

WEIGHT:

~ 14.6 lb/ft
~ 21.7 kg/m

TYPICAL STEEL GRADE:

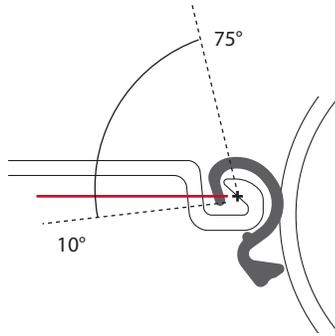
ASTM A572 Gr. 50/S355GP
or higher.

For additional details and CAD files
[visit pilepro.com/cft](http://visit.pilepro.com/cft)

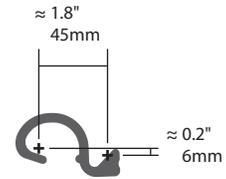


V 20 Weld-on®

Flexibility

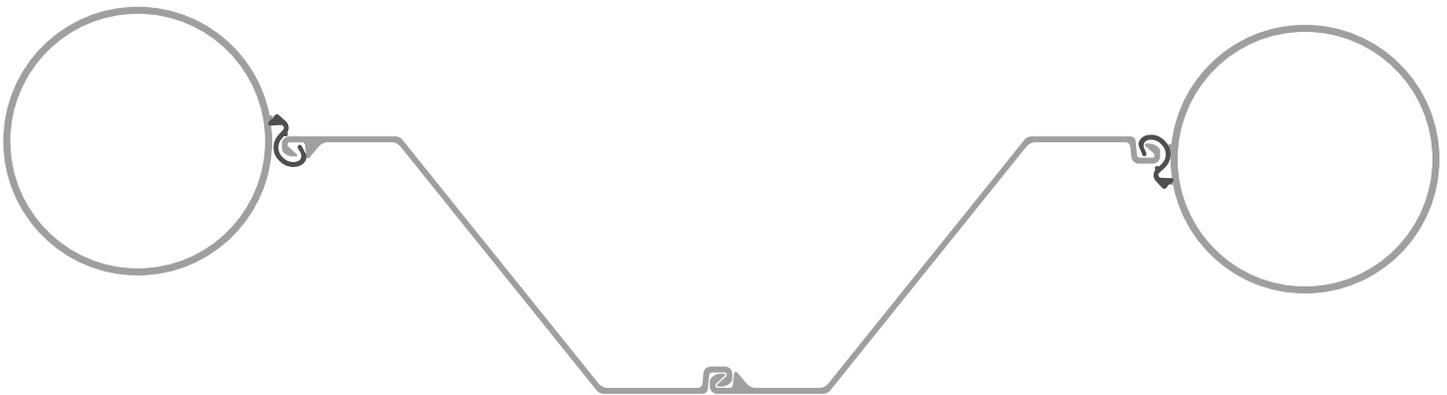


Dimensions



USE:

- For increased rotational flexibility with a Larsen connection to pipe



WORKS WITH:

Pipe
 Z80, EZ88, EZ95, H 1807, H 2507, H 2607, H 2707, H 2807, H 3907, MSZ18 312, MSZ18 340, MSZ18 350, MSZ18 375, MSZ18 406, MSZ19 340, MSZ19 350, MSZ19 375, MSZ19 406, SKZ 20, SKZ 22, SKZ 23, SKZ 24, SKZ 25, SKZ 31, SKZ 33, SKZ 34, SKZ 36, SKZ 38, XZ100, XZ105, XZ85, XZ90, XZ95

WEIGHT:

~ 8.9 lb/ft

TYPICAL STEEL GRADE:

ASTM A572 Gr. 50/S355GP or higher.

For additional details and "works with" list, visit pilepro.com/v20_weldon



BBS-M/F

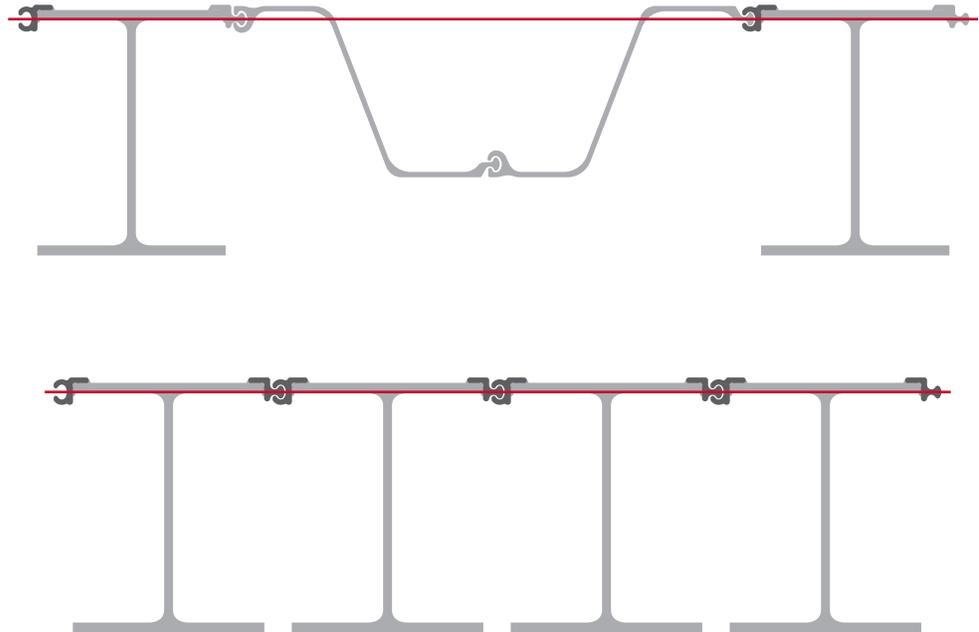
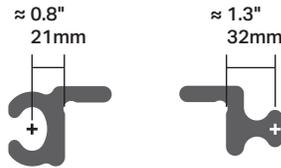
USE:

- For combined sheet pile walls using wide-flanged shapes.

Flexibility



Dimensions



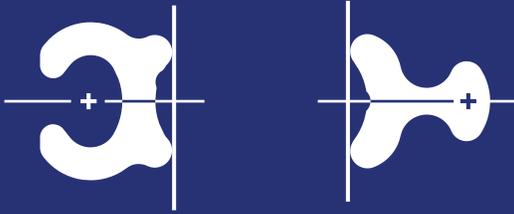
FITS:

PZ 22, PZ 27, PZ 35, PZ 40, PZC 13, PZC 14,
PZC 18, PZC 19, PZC 25, PZC 26, PZC 28
PZC 37, PZC 39, PZC 41

TYPICAL STEEL GRADE:

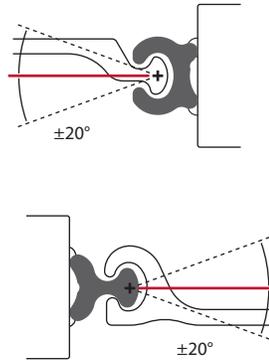
ASTM A572 Gr. 50/S355GP
or higher.

For additional details and CAD files
visit pilepro.com/bbsm or pilepro.com/bbsf

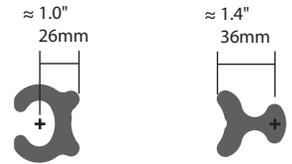


WOM[®] /WOF[®]

Flexibility

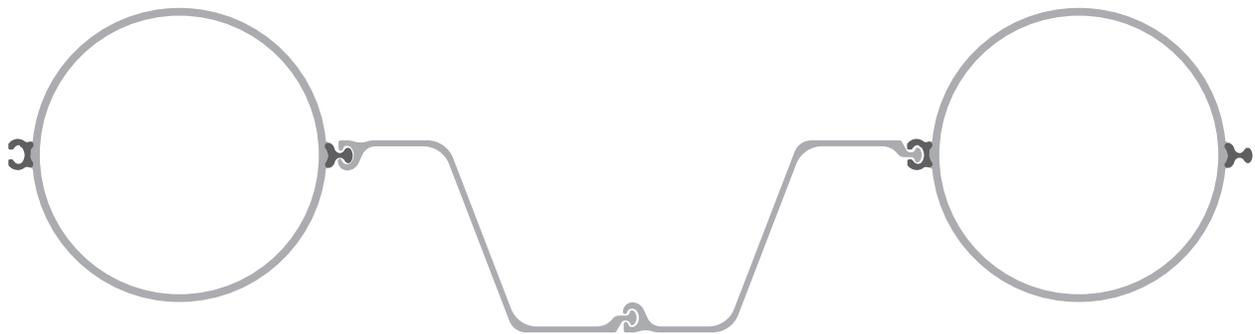


Dimensions



USE:

* Uncoupled WOM/WOF are used to create combi-wall systems using PZ or PZC.



FITS:

PZ/PZC, pipe

WORKS WITH:

PZ 22, PZ 27, PZ 35,
PZ 40, PZC 13, PZC 14,
PZC 18, PZC 19, PZC 25,
PZC 26, PZC 28, PZC 37, PZC 39, PZC 41

WOM WEIGHT:

~ 4.4 lb/ft
~ 6.5 kg/m

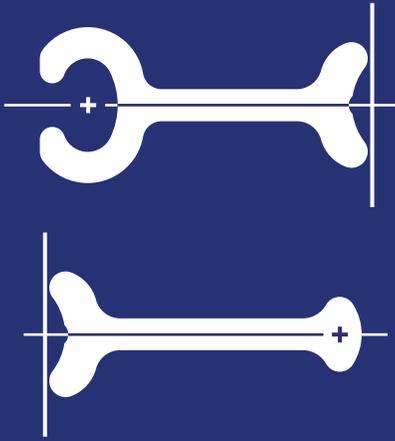
WOF WEIGHT:

~ 5.6 lb/ft
~ 8.3 kg/m

TYPICAL STEEL GRADE:

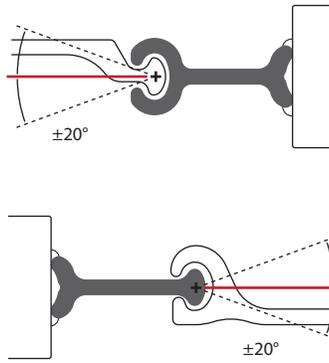
ASTM A572 Gr. 50/S355GP
or higher.

For additional details and CAD files
visit pilepro.com/wom or pilepro.com/wof

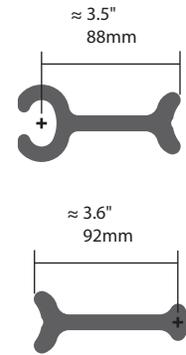


WOM-XL® /WOF-XL®

Flexibility



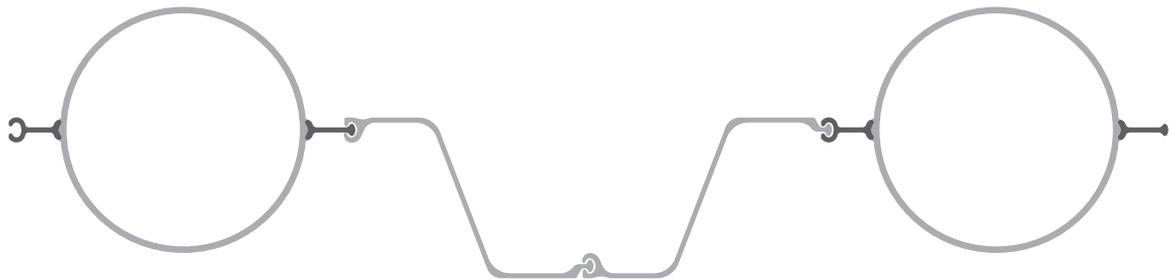
Dimensions



USE:

- Uncoupled WOM-XL/WOF-XL are used to create combi-wall systems using PZ or PZC.

Combined Width ≈ 180 mm (7.1")



FITS:

PZ/PZC, pipe

WORKS WITH:

PZ 22, PZ 27, PZ 35,
 PZ 40, PZC 13,
 PZC 14, PZC 18,
 PZC 19, PZC 25,
 PZC 26, PZC 28, PZC 37,
 PZC 39, PZC 41

WOM XL WEIGHT:

~ 8.5 lb/ft
 ~ 12.7 kg/m

WOF XL WEIGHT:

~ 12.0 lb/ft
 ~ 17.8 kg/m

TYPICAL STEEL GRADE:

ASTM A572 Gr. 50/S355GP
 or higher.

For additional details and CAD files
 visit pilepro.com/womxl or pilepro.com/wofxl

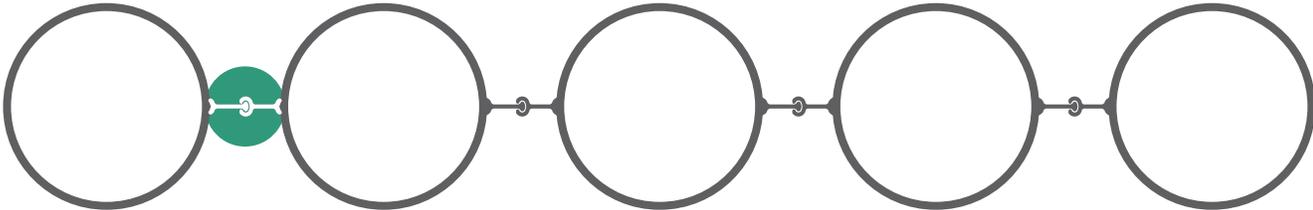


For O-Pile®

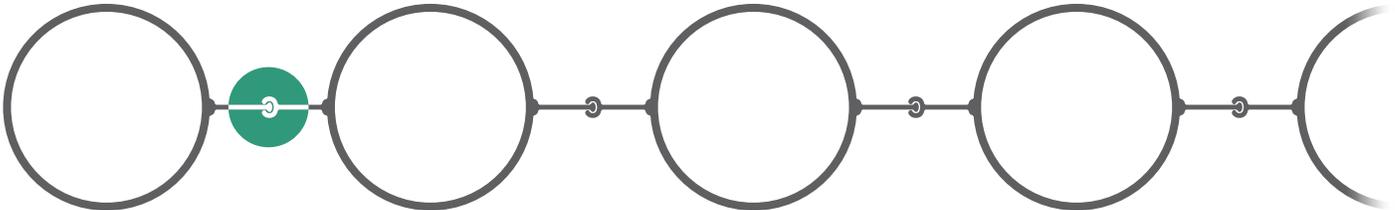
O-Pile System Overview

For Pipe Sheet Pile

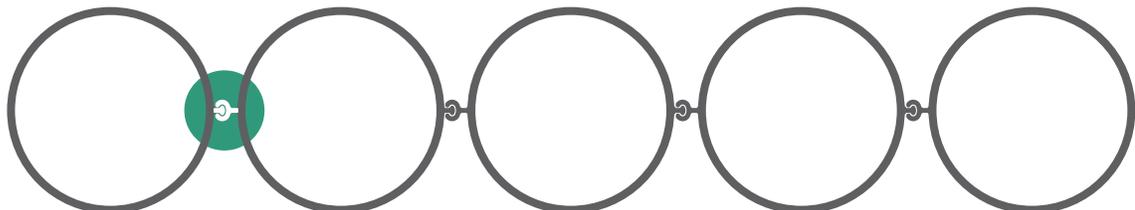
WOM-XL / WOF-XL, page 31
High capacity Pipe Sheet Pile system

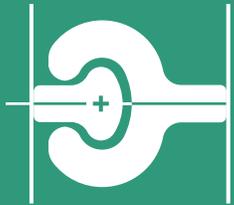


WOM-XXL / WOF-XXL, page 32
Extended Pipe Sheet Pile system



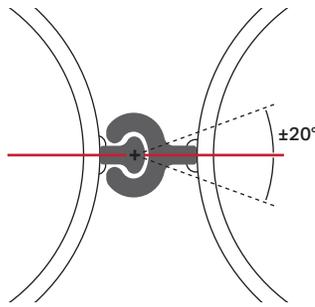
WOM-S / WOF-S, page 30
High capacity Pipe Sheet Pile system for difficult driving conditions



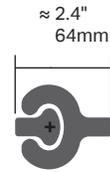


WOM-S[®] / WOF-S[®]

Flexibility



Dimensions



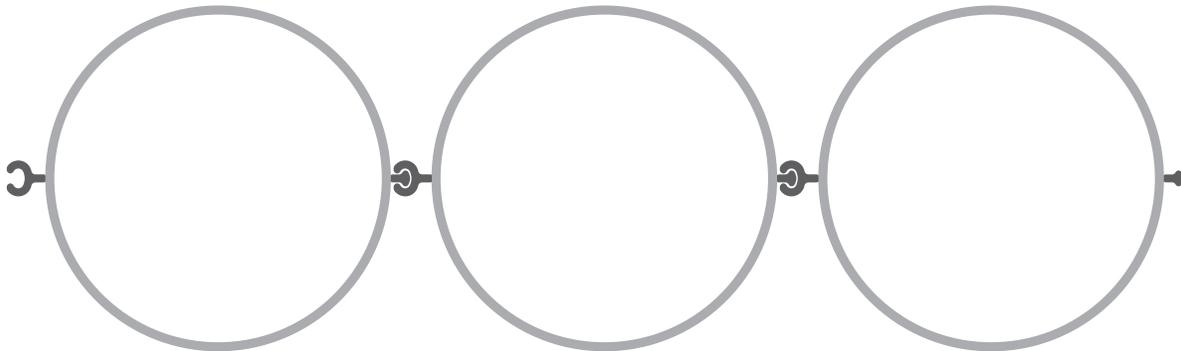
USE:

- For O-Pile and O-Pile: DTH systems using Down the Hole drilling; the only SSP systems that can be driven through solid rock.

Combined Width \approx 64 mm (2.5")

Connector Thickness \approx 12 mm (.47")

Interlock Strength = 20 kips/inch (3418 kN/m)



FITS:

Pipe

WOM-S WEIGHT:

~ 2.4 lb/ft
~ 3.8 kg/m

WOF-S WEIGHT:

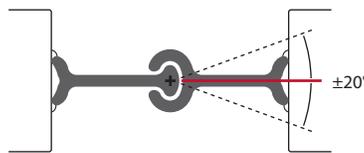
~ 7.5 lb/ft
~ 11.2 kg/m

TYPICAL STEEL GRADE:

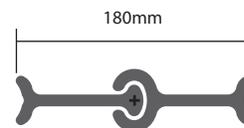
ASTM A572 Gr. 50/S355GP
or higher.

For additional details and CAD files
visit pilepro.com/woms or pilepro.com/wofs

Flexibility



Dimensions



WOM-XL®/WOF-XL®

USE:

- WOM-XL/WOF-XL are coupled together to create O-Pile systems.

Combined Width ≈ 180 mm (7.1")

Interlock Strength = 20kips/inch (3418 kN/m)



FITS:

Pipe

WOM-XL WEIGHT:

~ 8.5 lb/ft
~ 12.7 kg/m

WOF-XL WEIGHT:

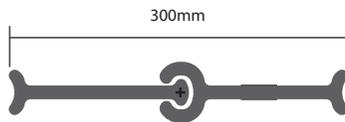
~ 12.0 lb/ft
~ 17.8 kg/m

TYPICAL STEEL GRADE:

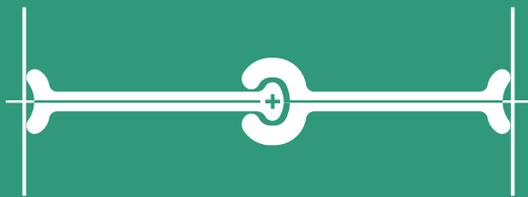
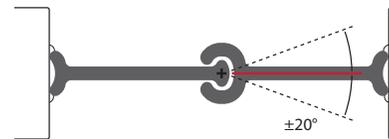
ASTM A572 Gr. 50/S355GP
or higher.

For additional details and CAD files
visit pilepro.com/womxl or pilepro.com/wofxl

Flexibility



Dimensions



WOM-XXL[®] /WOF-XXL[®]

USE:

- WOM-XXL/WOF-XXL are coupled together to create O-Pile systems.

Combined Width \approx 326 mm (12.8")

Interlock Strength = 20 kips/inch (3418 kN/m)



FITS:

Pipe

WOM-XXL WEIGHT:

~ 12.4 lb/ft
~ 18.5 kg/m

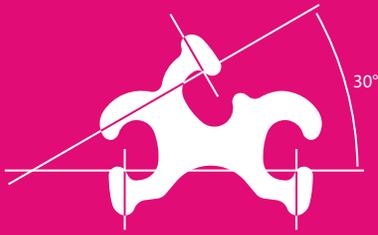
WOF-XXL WEIGHT:

~ 15.8 lb/ft
~ 23.5 kg/m

TYPICAL STEEL GRADE:

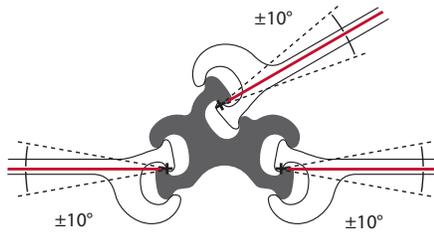
ASTM A572 Gr. 50/S355GP
or higher.

For additional details and CAD files
visit pilepro.com/womxxl or pilepro.com/wofxxl

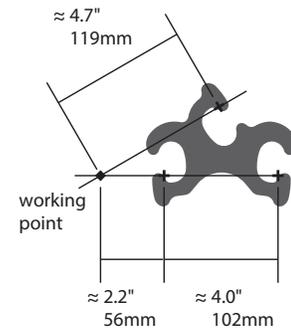


SWC 30B®

Flexibility



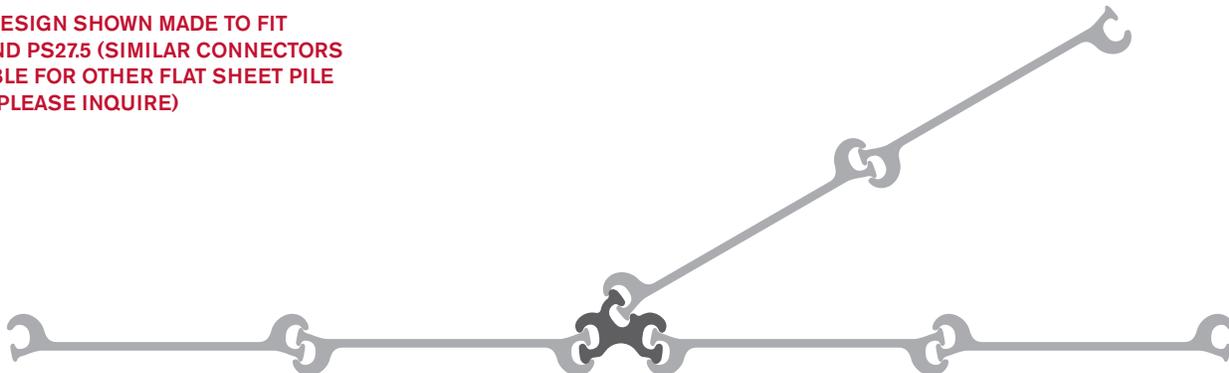
Dimensions



USE:

- For 30° Y-connections, offers long lasting connection, due to the fact there is no structural weld
- Please see chart on page 34 for use of both SWC 30A® and SWC 30B® in one layout.

NOTE: DESIGN SHOWN MADE TO FIT PS31 AND PS27.5 (SIMILAR CONNECTORS AVAILABLE FOR OTHER FLAT SHEET PILE TYPES, PLEASE INQUIRE)

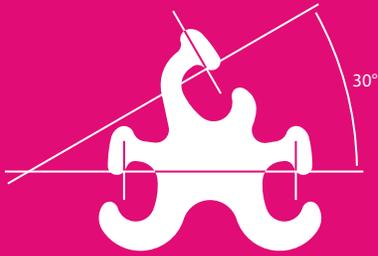


WORKS WITH:
PS 27.5, PS 31

WEIGHT:
~ 28.9 lb/ft
~ 56.5 kg/m

TYPICAL STEEL GRADE:
ASTM A572 Gr. 50/S355GP
or higher.

For additional details,
visit pilepro.com/swc30b



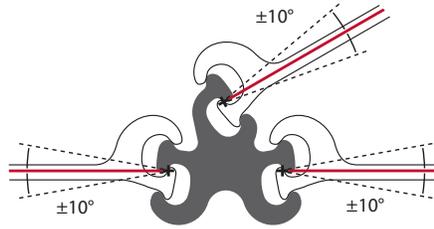
SWC 30A®

USE:

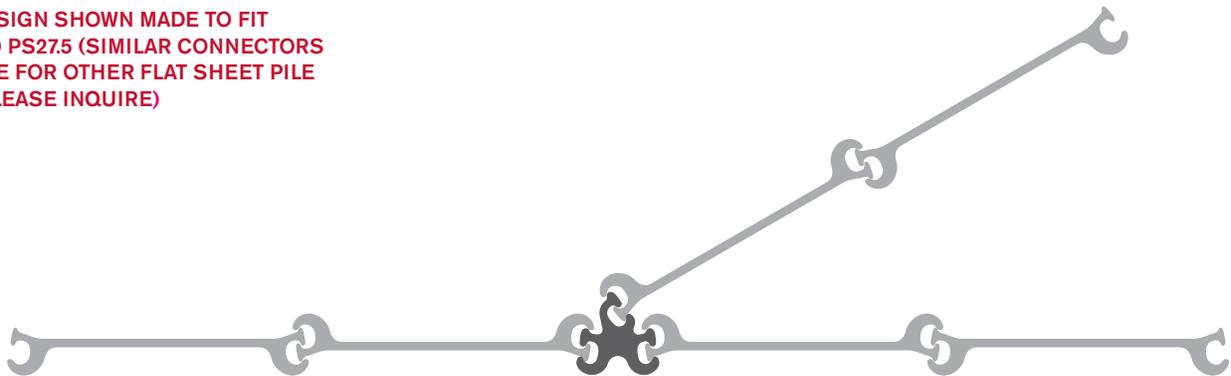
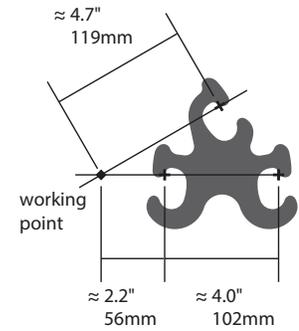
- For 30° Y-connections, offers long lasting connection, due to the fact there is no structural weld
- Please see chart on page 34 for use of both SWC 30A® and SWC 30B® in one layout.

NOTE: DESIGN SHOWN MADE TO FIT PS31 AND PS27.5 (SIMILAR CONNECTORS AVAILABLE FOR OTHER FLAT SHEET PILE TYPES, PLEASE INQUIRE)

Flexibility



Dimensions



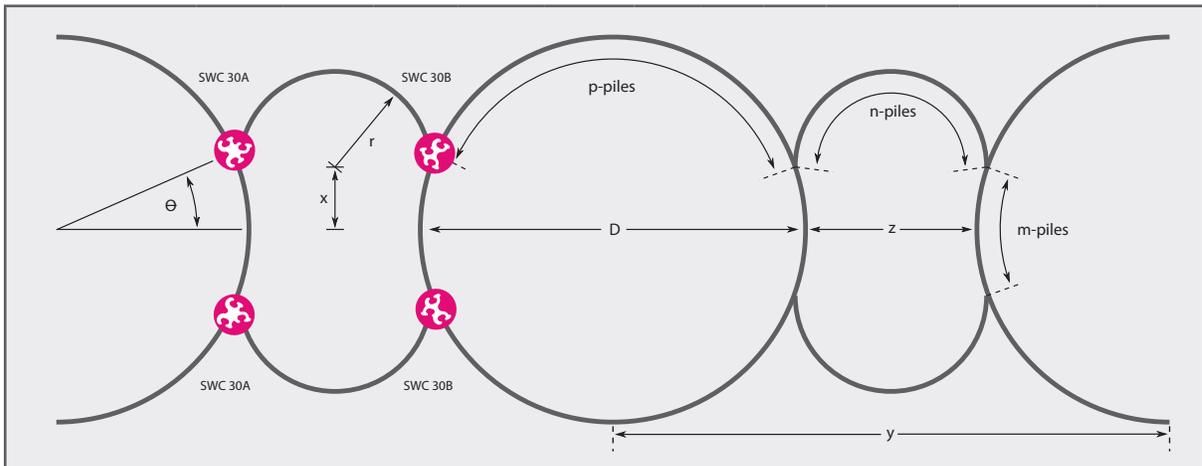
WORKS WITH:
PS 27.5, PS 31

WEIGHT:
~ 38.0 lb/ft
~ 56.5 kg/m

TYPICAL STEEL GRADE:
ASTM A572 Gr. 50/S355GP
or higher.

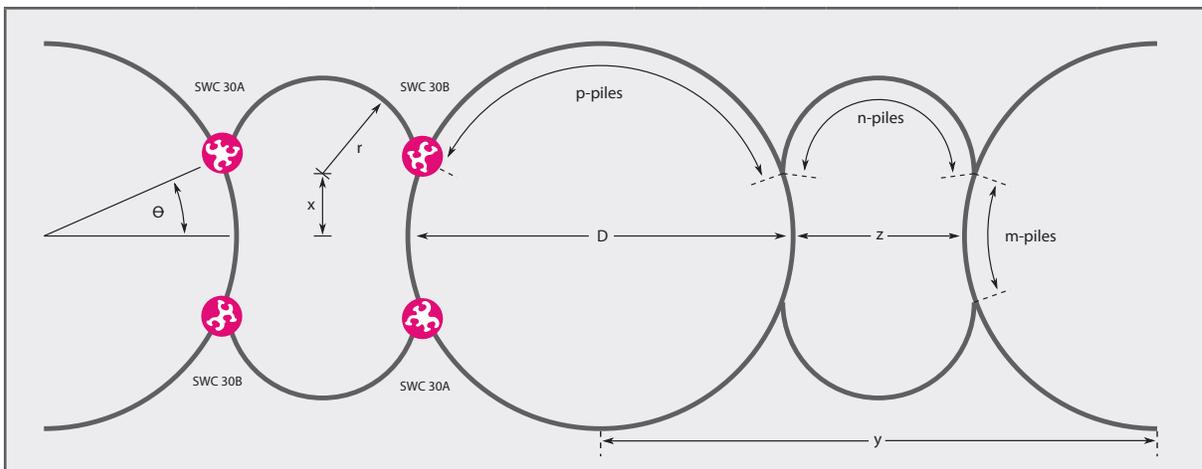
For additional details,
[visit pilepro.com/swc30a](http://pilepro.com/swc30a)

System Overview
SWC 30A[®] and SWC 30B[®]



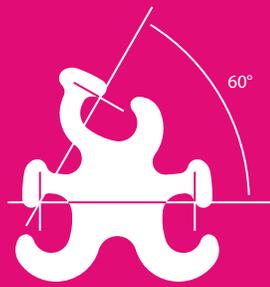
For SWC 30 A / 30 B Connectors

Number of Piles/Cell	D ft	z ft	y ft	r ft	X ft	θ deg	Number of Piles			Area		Average Width ft
							m	n	p	within circle sq ft	between circles sq ft	
68	33.73	5.42	39.15	10.82	4.28	45	16	10	16	894	269	29.7
84	42.09	5.92	48.02	12.91	5.76	45	20	12	20	1391	386	37.0
124	62.98	5.71	68.70	17.08	10.19	45	30	16	30	3116	677	55.2



For SWC 30 A / 30 B Connectors

Number of Piles/Cell	D ft	z ft	y ft	r ft	X ft	θ deg	Number of Piles			Area		Average Width ft
							m	n	p	within circle sq ft	between circles sq ft	
48	23.29	6.84	30.13	9.67	1.45	45.2	11	9	11	426	203	20.9
56	27.47	5.62	33.09	9.68	2.92	45.2	13	9	13	593	213	24.3
80	40.00	4.91	44.91	11.77	5.87	45.1	19	11	19	1257	323	35.2
96	48.36	5.42	53.77	13.86	7.34	45.1	23	13	23	1837	448	42.5
112	56.72	5.92	62.64	15.95	8.82	45.1	27	15	27	2526	592	49.8



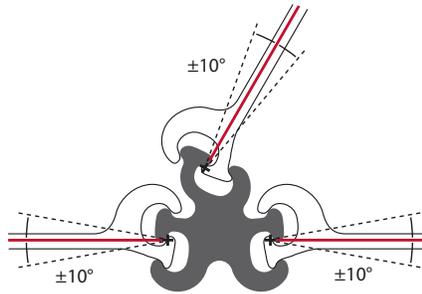
SWC 60A™

USE:

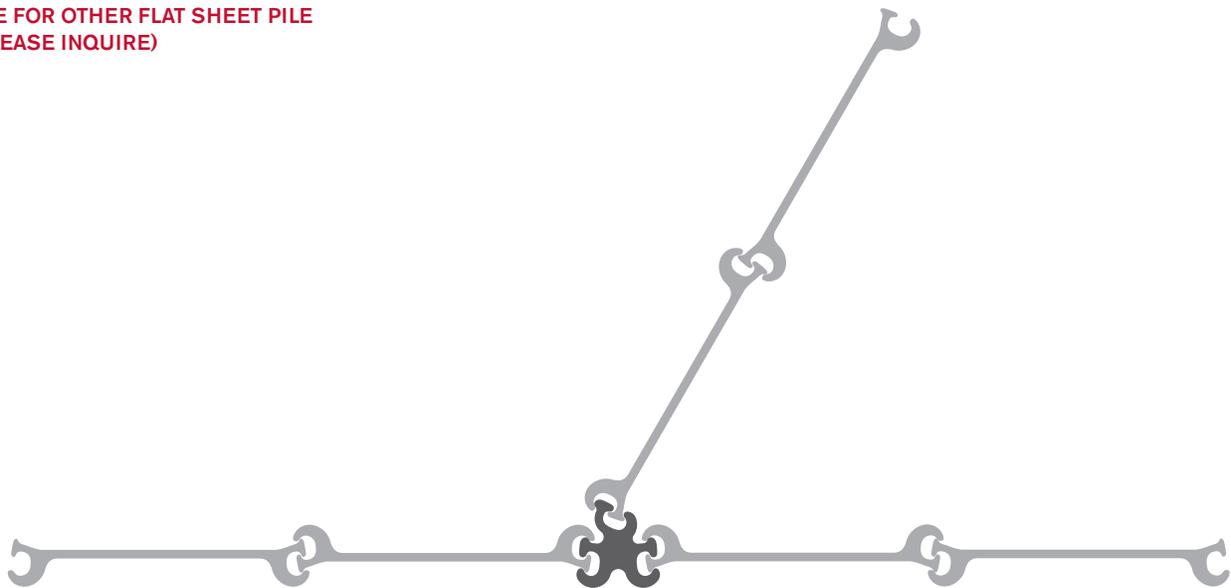
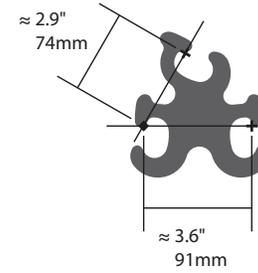
- For 60° Y-connections, offers long lasting connection, due to the fact there is no structural weld

NOTE: DESIGN SHOWN MADE TO FIT PS31 AND PS27.5 (SIMILAR CONNECTORS AVAILABLE FOR OTHER FLAT SHEET PILE TYPES, PLEASE INQUIRE)

Flexibility



Dimensions



WORKS WITH:

PS 27.5, PS 31

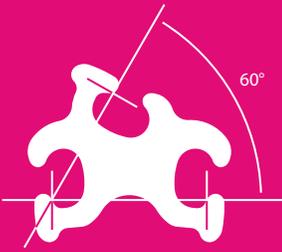
WEIGHT:

~ 41.2 lb/ft
~ 61.3 kg/m

TYPICAL STEEL GRADE:

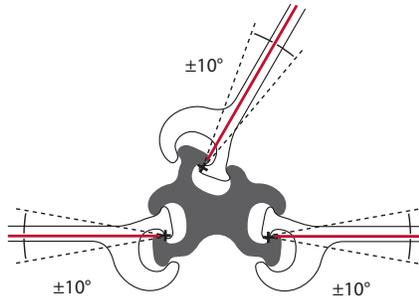
ASTM A572 Gr. 50/S355GP or higher.

For additional details, visit pilepro.com/swc60a

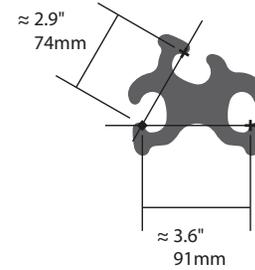


SWC 60B®

Flexibility



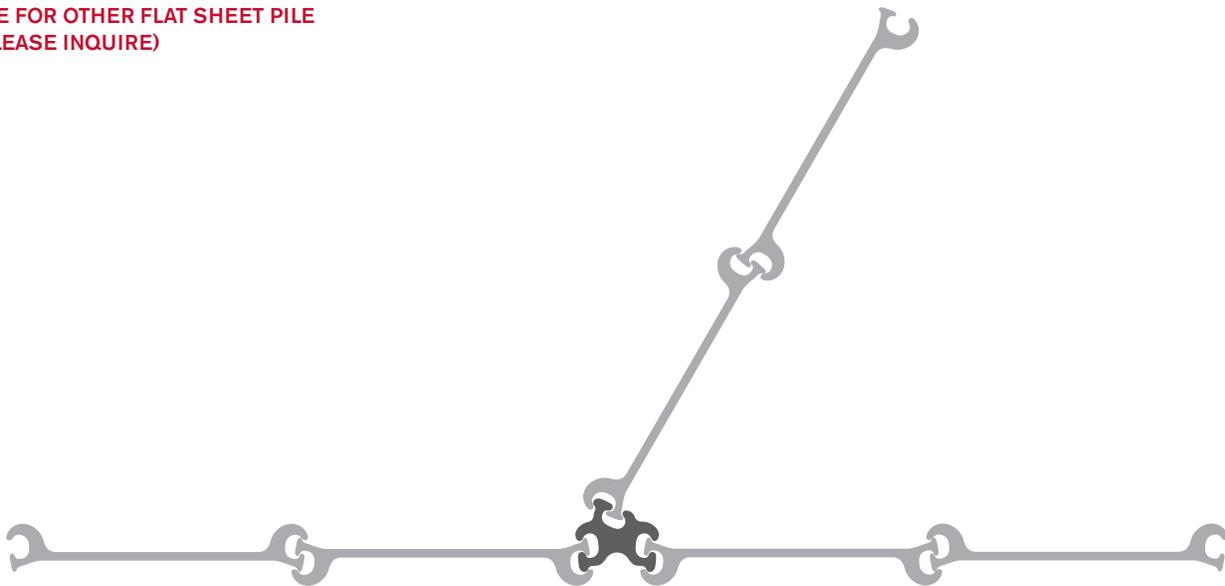
Dimensions



USE:

- For 60° Y-connections, offers long lasting connection, due to the fact there is no structural weld

NOTE: DESIGN SHOWN MADE TO FIT PS31 AND PS27.5 (SIMILAR CONNECTORS AVAILABLE FOR OTHER FLAT SHEET PILE TYPES, PLEASE INQUIRE)

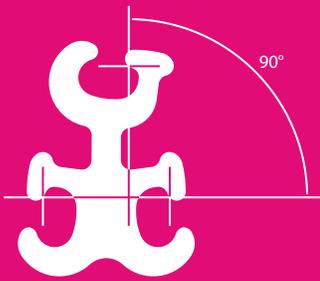


WORKS WITH:
PS 27.5, PS 31

WEIGHT:
~ 33.5 lb/ft
~ 49.9 kg/m

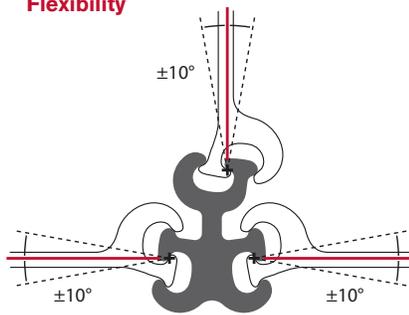
TYPICAL STEEL GRADE:
ASTM A572 Gr. 50/S355GP
or higher.

For additional details,
[visit pilepro.com/swc60b](http://pilepro.com/swc60b)

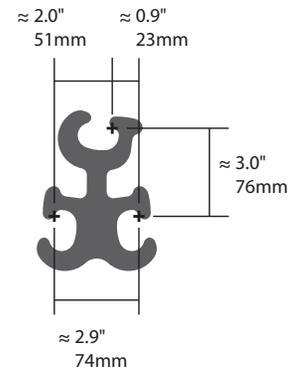


SWC 90A™

Flexibility



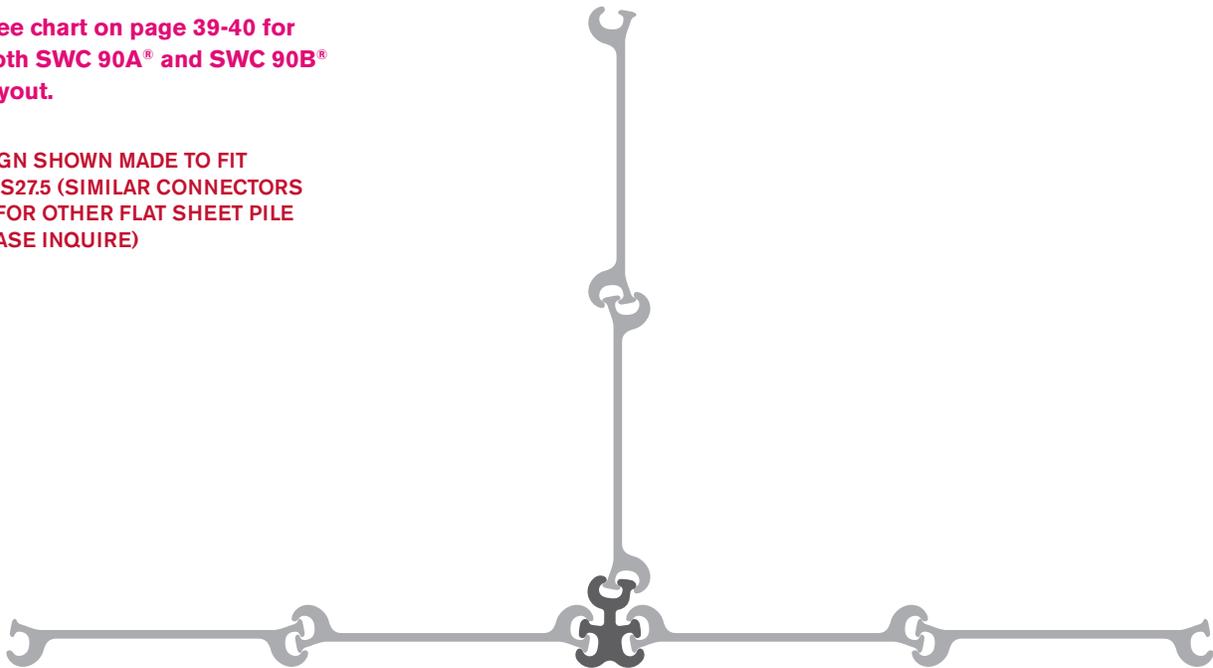
Dimensions



USE:

- For 90° Y-connections, offers long lasting connection, due to the fact there is no structural weld
- Please see chart on page 39-40 for use of both SWC 90A® and SWC 90B® in one layout.

NOTE: DESIGN SHOWN MADE TO FIT PS31 AND PS27.5 (SIMILAR CONNECTORS AVAILABLE FOR OTHER FLAT SHEET PILE TYPES, PLEASE INQUIRE)

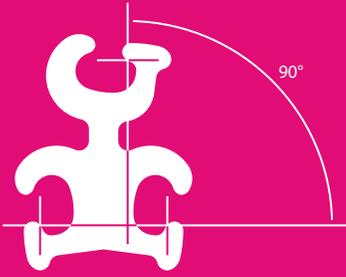


WORKS WITH:
PS 27.5, PS 31

WEIGHT:
~ 35.8 lb/ft
~ 53.3 kg/m

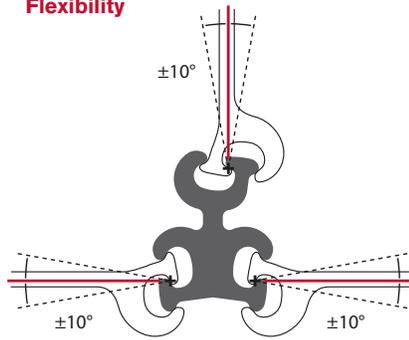
TYPICAL STEEL GRADE:
ASTM A572 Gr. 50/S355GP
or higher.

For additional details,
visit pilepro.com/swc90a

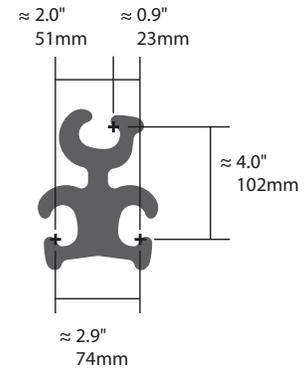


SWC 90B®

Flexibility



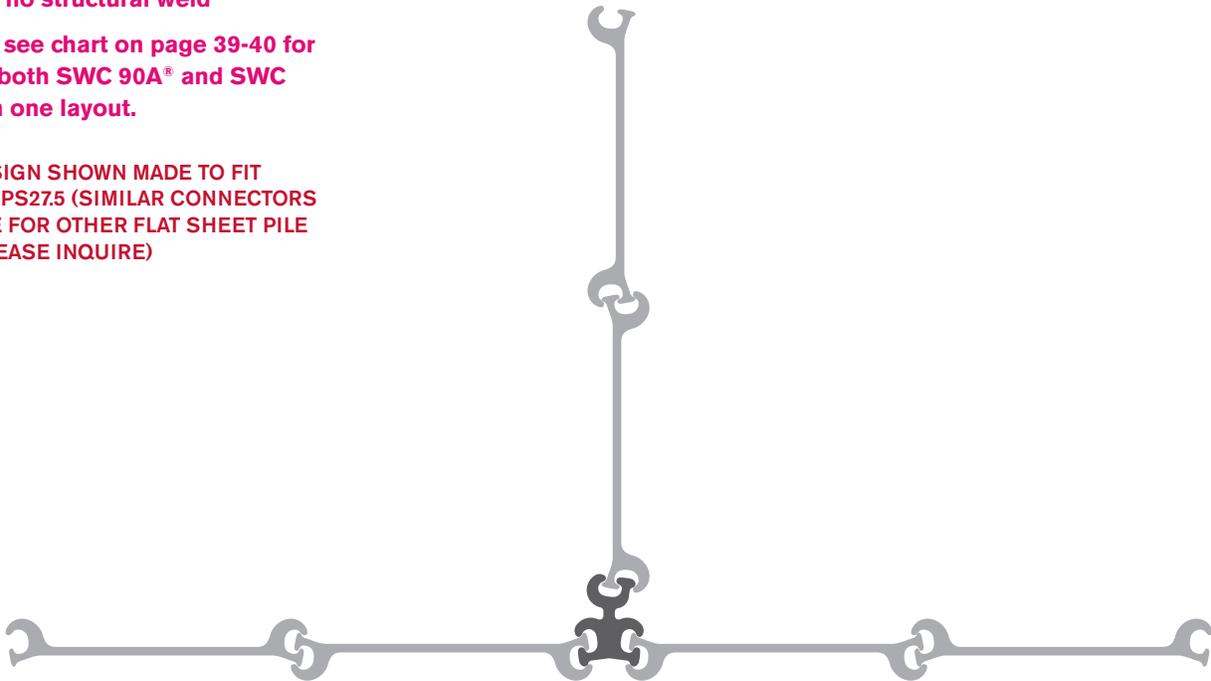
Dimensions



USE:

- For 90° Y-connections, offers long lasting connection, due to the fact there is no structural weld
- Please see chart on page 39-40 for use of both SWC 90A® and SWC 90B® in one layout.

NOTE: DESIGN SHOWN MADE TO FIT PS31 AND PS27.5 (SIMILAR CONNECTORS AVAILABLE FOR OTHER FLAT SHEET PILE TYPES, PLEASE INQUIRE)



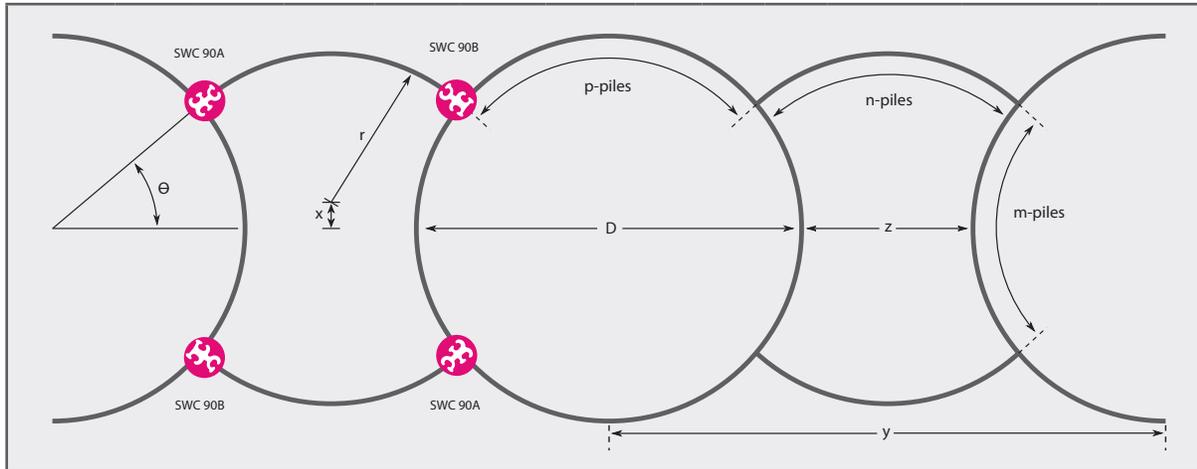
WORKS WITH:
PS 27.5, PS 31

WEIGHT:
~ 35.8 lb/ft
~ 53.3 kg/m

TYPICAL STEEL GRADE:
ASTM A572 Gr. 50/S355GP
or higher.

For additional details,
[visit pilepro.com/swc0b](http://visit.pilepro.com/swc0b)

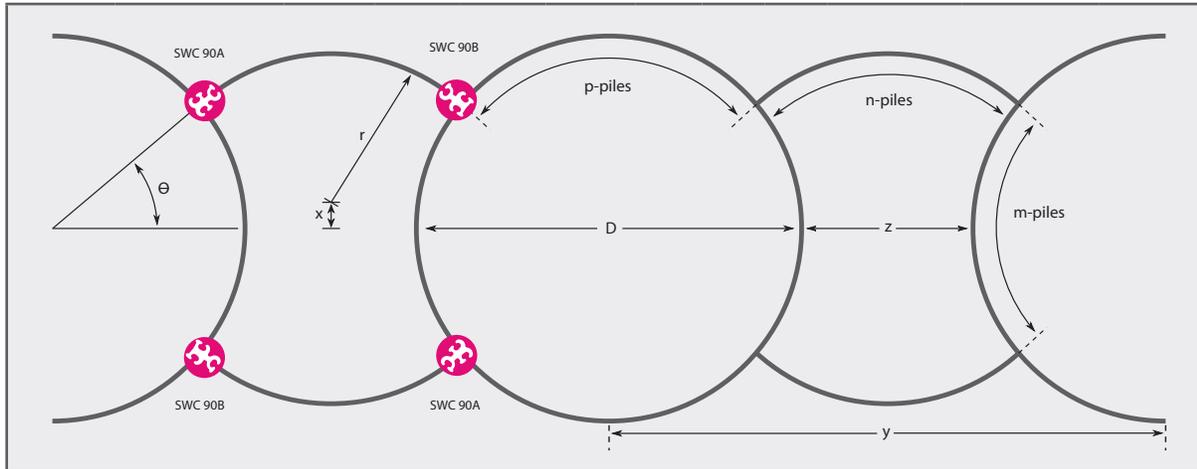
System Overview
SWC 90A[®] and SWC 90B[®]



For SWC 90 A / 90 B Connectors

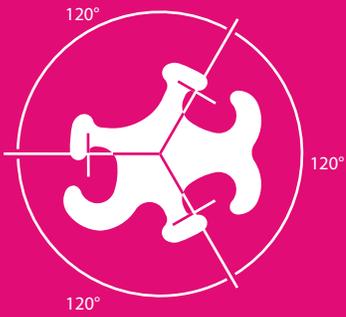
Number of Piles/Cell	D ft	z ft	y ft	r ft	X ft	Theta deg	Number of Piles			Area		Average Width ft
							m	n	p	within circle sq ft	between circles sq ft	
For Theta deg at approximately 30°												
78	39.07	12.88	51.96	9.10	9.88	31.8	13	17	24	1199	549	33.6
90	45.34	14.14	59.48	10.15	11.45	31.5	15	19	30	1615	692	38.8
102	51.61	15.39	67.00	11.19	13.01	30.2	17	21	32	2092	853	44.0
114	57.88	16.64	74.51	12.24	14.58	31.2	19	23	36	2631	1029	49.1
126	64.14	17.89	82.03	13.28	16.15	31.1	21	25	40	3232	1222	54.3
138	70.41	19.14	89.55	14.33	17.71	31.0	23	27	44	3894	1432	59.5
150	76.68	20.39	97.07	15.37	19.28	30.9	25	29	48	4618	1657	64.6
For Theta deg at approximately 45°												
64	31.65	5.95	37.60	10.76	3.58	45.0	15	10	15	787	264	27.9
72	35.82	4.73	40.55	10.76	5.05	45.2	17	10	17	1008	269	31.5
88	44.18	5.24	49.42	12.85	6.53	45.0	21	12	21	1533	384	38.8
104	52.54	5.74	58.28	14.94	8.01	45.0	25	14	25	2168	445	46.1
120	60.89	6.25	67.14	17.03	9.49	45.0	29	16	29	2912	674	53.4
128	65.07	5.03	70.10	17.03	10.96	45.0	31	16	31	3326	670	57.0

System Overview
SWC 90A[®] and SWC 90B[®]



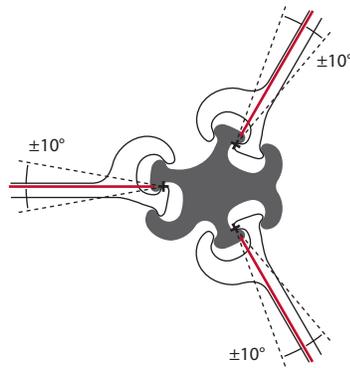
For SWC 90 A Connectors

Number of Piles/Cell	D ft	z ft	y ft	r ft	X ft	θ deg	Number of Piles			Area		Average Width ft
							m	n	p	within circle sq ft	between circles sq ft	
For θ deg at approximately 30°												
84	42.21	12.47	54.61	9.10	10.66	31.6	14	17	26	1399	566	35.9
96	48.48	13.72	62.19	10.15	12.23	31.4	16	19	30	1846	711	41.1
108	54.74	14.97	69.71	11.20	13.80	31.3	18	21	34	2354	873	46.3
120	61.01	16.22	77.23	12.24	15.36	31.1	20	23	38	2923	1051	51.5
132	67.28	19.56	86.83	14.33	16.93	31.0	22	27	42	3555	1406	57.1
144	73.55	20.81	94.35	15.37	18.50	31.0	24	29	46	4248	1631	62.3
156	79.81	22.06	101.87	16.42	20.06	30.9	26	31	50	5003	1871	67.5
For θ deg at approximately 45°												
44	21.20	7.53	28.73	9.72	0.68	45.3	10	9	10	353	197	19.2
52	25.38	6.31	31.69	9.73	2.15	45.2	12	9	12	506	210	22.6
60	29.56	5.09	34.64	9.73	3.62	45.2	14	9	14	686	218	26.1
76	37.91	5.59	43.51	11.83	5.09	45.1	18	11	18	1129	324	33.4
92	46.27	6.10	52.37	13.92	6.57	45.1	22	13	22	1681	450	40.7
100	50.45	4.88	55.33	13.92	8.04	45.1	24	13	24	1999	451	44.3
108	54.63	6.61	61.24	16.01	8.05	45.1	26	15	26	2344	596	48.0
116	58.80	5.39	64.19	16.01	9.52	45.1	28	15	28	2716	595	51.6

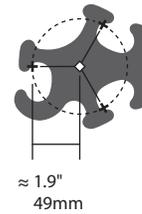


SWC 120[®]

Flexibility



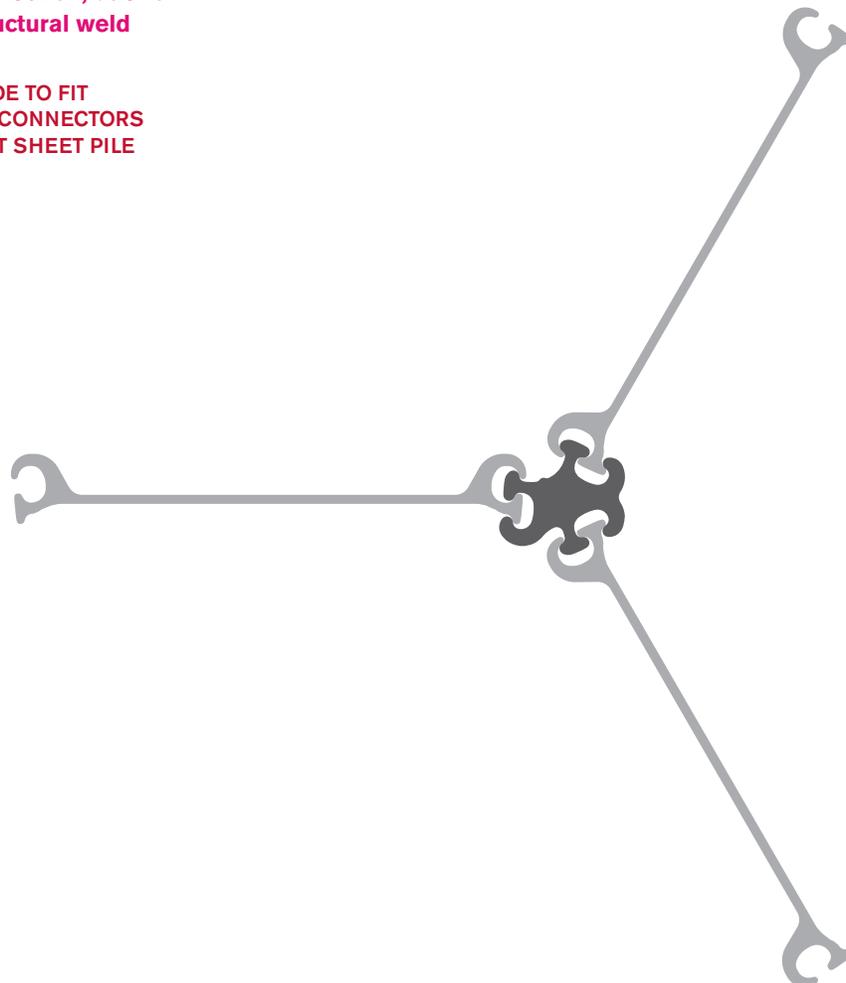
Dimensions



USE:

- For 120° Y-corners in circular cells, offers long lasting connection, due to the fact there is no structural weld

NOTE: DESIGN SHOWN MADE TO FIT PS31 AND PS27.5 (SIMILAR CONNECTORS AVAILABLE FOR OTHER FLAT SHEET PILE TYPES, PLEASE INQUIRE)



WORKS WITH:
PS 27.5, PS 31

WEIGHT:
~ 38.29 lb/ft
~ XXXX

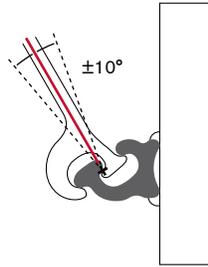
TYPICAL STEEL GRADE:
ASTM A572 Gr. 50/S355GP
or higher.

For additional details,
visit pilepro.com/swc120

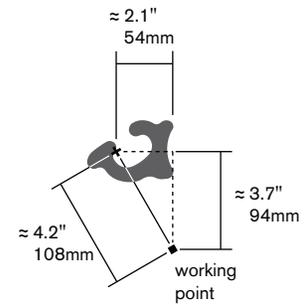


SWC 30®

Flexibility



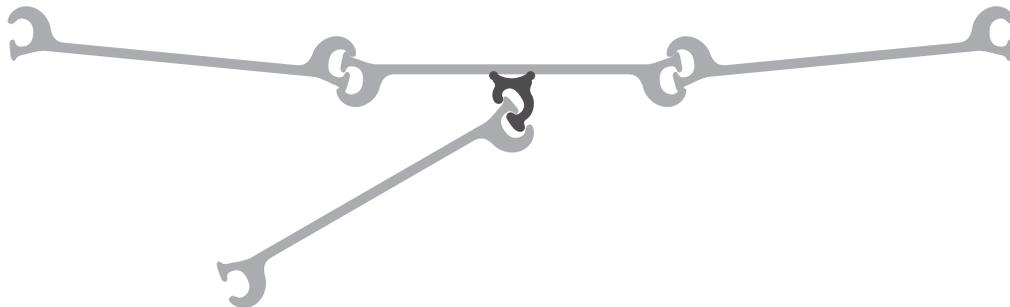
Dimensions



USE:

- For 30° connections, welding required

NOTE: DESIGN SHOWN MADE TO FIT PS31 AND PS27.5 (SIMILAR CONNECTORS AVAILABLE FOR OTHER FLAT SHEET PILE TYPES, PLEASE INQUIRE)



FITS:

Design shown made to fit PS 27.5 and PS 31 manufactured by Gerdau; for other sheet pile manufacturers, please inquire.

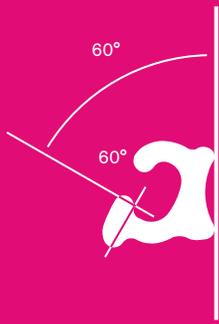
WEIGHT:

~ 11.3 lb/ft
~ 16.9 kg/m

TYPICAL STEEL GRADE:

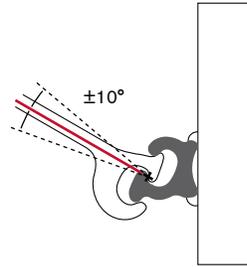
ASTM A572 Gr. 50/S355GP or higher.

For additional details, visit pilepro.com/swc30

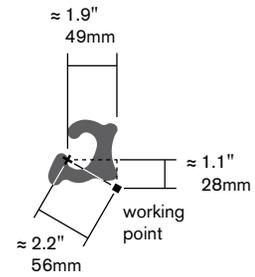


SWC 60®

Flexibility



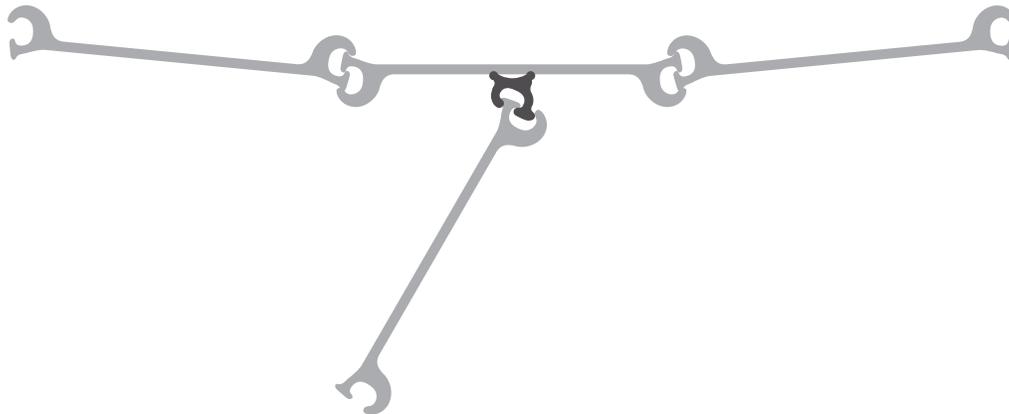
Dimensions



USE:

- For 60° connections, welding required

NOTE: DESIGN SHOWN MADE TO FIT PS31 AND PS27.5 (SIMILAR CONNECTORS AVAILABLE FOR OTHER FLAT SHEET PILE TYPES, PLEASE INQUIRE)



FITS:

Design shown made to fit PS 27.5 and PS 31 manufactured by Gerdau; for other sheet pile manufacturers, please inquire.

WEIGHT:

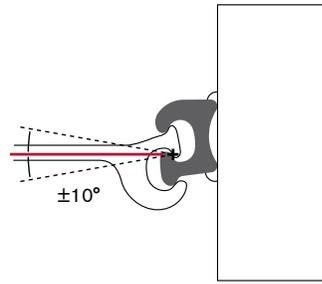
~ 11.2 lb/ft
~ 16.6 kg/m

TYPICAL STEEL GRADE:

ASTM A572 Gr. 50/S355GP or higher.

For additional details, visit pilepro.com/swc60

Flexibility



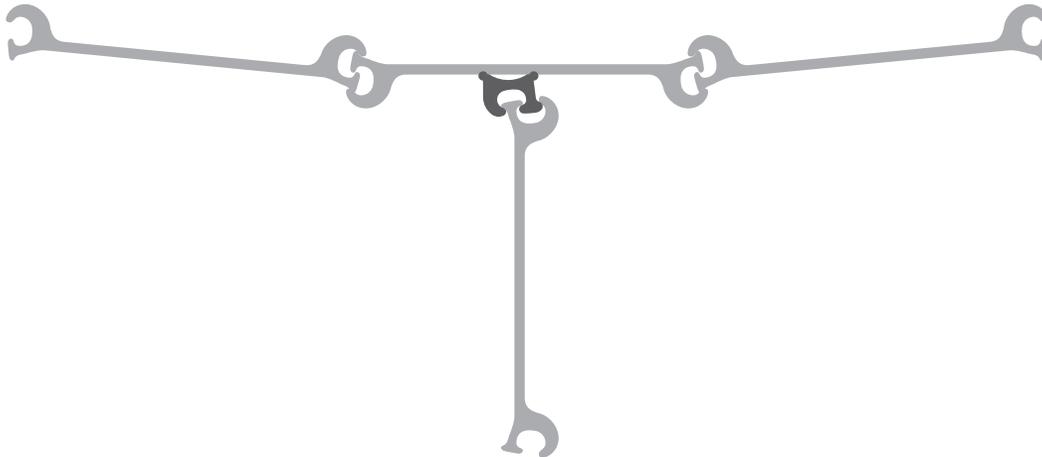
Dimensions

SWC 90[®]

USE:

- For 90° connections, welding required

NOTE: DESIGN SHOWN MADE TO FIT PS31 AND PS27.5 (SIMILAR CONNECTORS AVAILABLE FOR OTHER FLAT SHEET PILE TYPES, PLEASE INQUIRE)



FITS:

Design shown made to fit PS 27.5 and PS 31 manufactured by Gerdau; for other sheet pile manufacturers, please inquire.

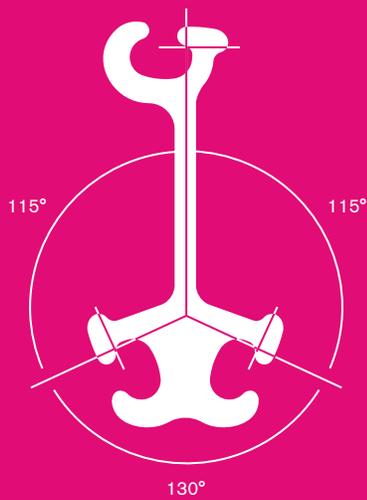
WEIGHT:

~ 12.4 lb/ft
~ 18.4 kg/m

TYPICAL STEEL GRADE:

ASTM A572 Gr. 50/S355GP
or higher.

For additional details,
visit pilepro.com/swc



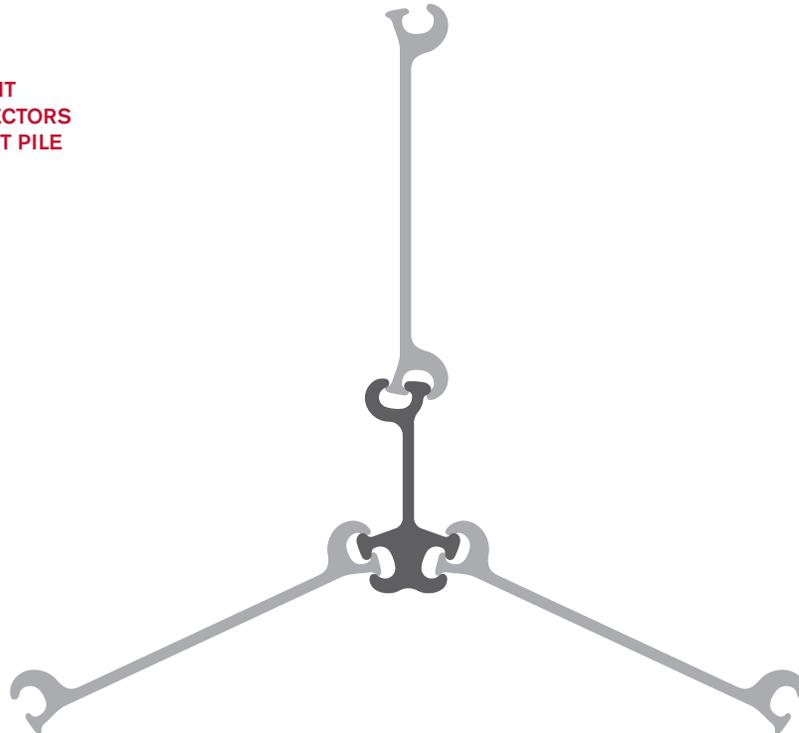
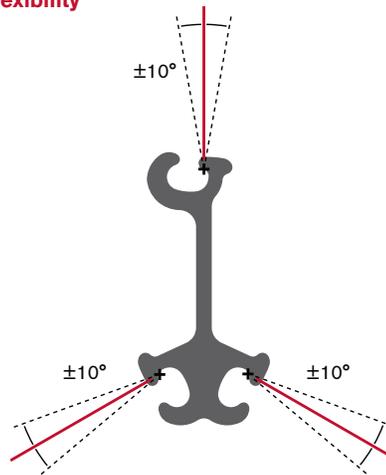
SWC 120® Flat Sheet Pile

USE:

- For 120° Y-junction without a welded connection

NOTE: DESIGN SHOWN MADE TO FIT PS31 AND PS27.5 (SIMILAR CONNECTORS AVAILABLE FOR OTHER FLAT SHEET PILE TYPES, PLEASE INQUIRE)

Flexibility



FITS:

Design shown made to fit PS 27.5 and PS 31 manufactured by Gerdau; for other sheet pile manufacturers, please inquire.

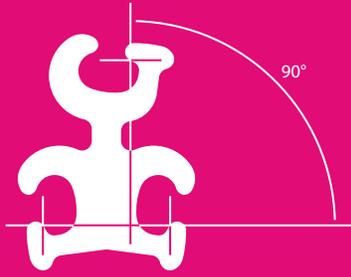
WEIGHT:

~ 42.5 lb/ft
~ 63.3 kg/m

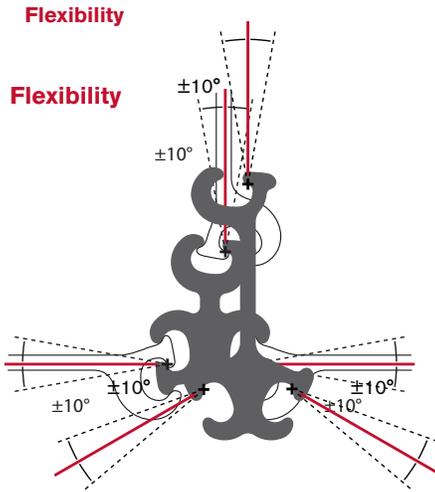
TYPICAL STEEL GRADE:

ASTM A572 Gr. 50/S355GP or higher.

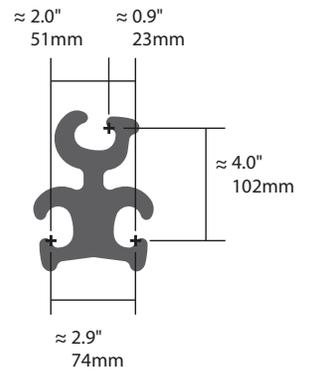
For additional details, visit pilepro.com/swc120flat



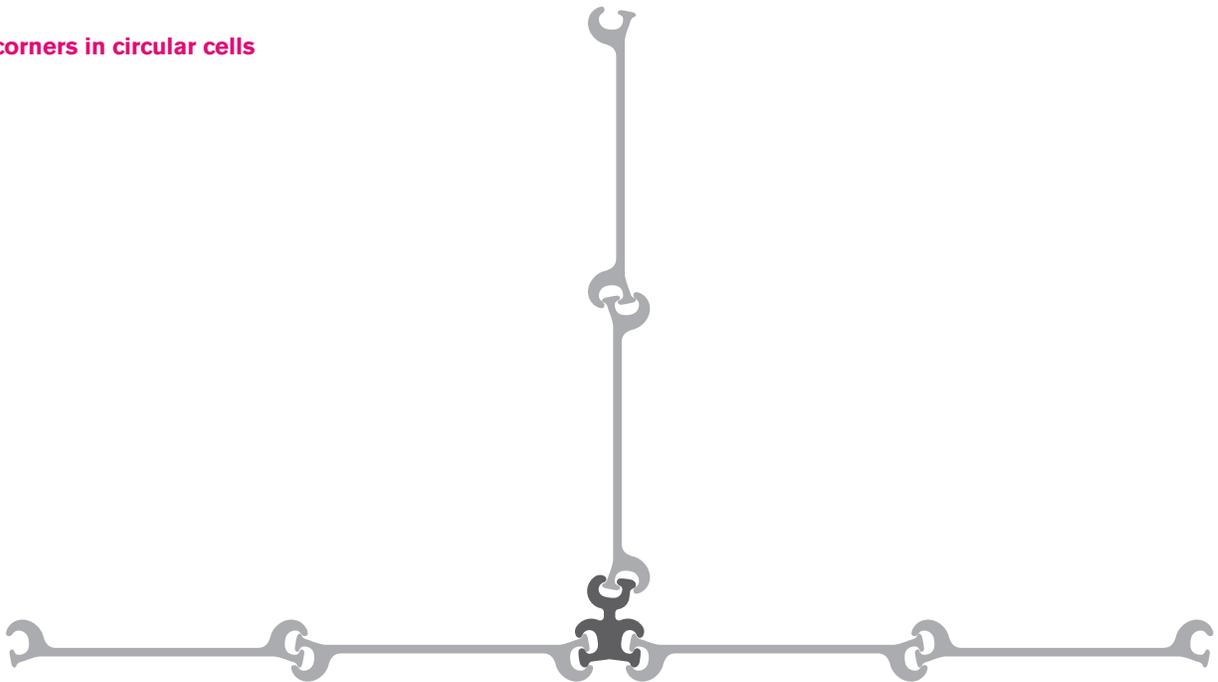
SWC 90 B®



Dimensions



For 90° Y-corners in circular cells



WEIGHT:
~ 35.8 lb/ft
~ 53.3 kg/m

TYPICAL STEEL GRADES:
ASTM A572 Gr. 50/60
ASTM A690

Other steel grades available upon request.

For additional details:
pilepro.com/swc90b

Installation Guides

For Z Sheet Pile

For AZ/Larsen

ANY-Z®, V 20®, V 20 T®, V 20 TS®

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.

For PZ/PZC

ANY-Z®, PZ 90®, PZ Tee®, PZT-S, Colt®, Cobra, Joker®, Bullhead®

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.

For Cold Formed

ANY-Z®, CF 90, CF Tee

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.

INTERLOCKING GUIDE

Proper Use



Improper Use



For Combined Sheet Pile

BBS-M/F

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 free length between 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 whole pile length. Follow the instructions above for the reverse side of the pile, if it is not in contact with salt water.

V 20 weld-on, WOM™/WOF™, WOM-XL™/WOF-XL™, WOM-XXL™/WOF-XXL™

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 ~500mm (~20").
7. Both sides are tack welded in the free length between tip and 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 whole pile length. Follow the instructions above for the reverse side of the pile, if it is not in contact with salt water.

For Flat Sheet Pile

For All Flat Sheet Pile

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.

INTERLOCKING GUIDE

Improper Use

