

Contech® Pipe Solutions

Contech® Nestable CSP

Contech® Nestable Corrugated Steel Pipe (CSP) consists of matching half-round segments of corrugated steel which, when assembled, become longer lengths of full-round corrugated steel pipe. Nestable CSP is available in sizes 18" (46 cm) through 42" (106 cm) diameters and is manufactured only at the Contech Greencastle, PA Plant.

Benefits

- Cost-Effective
- Lightweight
- Ease of Assembly
- Service Life of 75+ Years

Applications

- **Utilities Encasement** » Nestable CSP offers a fast and economical solution as an encasement around existing utility lines without disruption. They are often required around an existing or new utility line over which a considerable amount of fill material or surcharge loading will be placed. Properly compacted backfill is necessary around the Nestable CSP. When concrete is poured entirely around the Nestable CSP casing, this pipe becomes an economical concrete form.
- **Remote Sites** » In remote site applications, utilize Nestable CSP to build a land bridge that is easy to assemble and disassemble while also being cost-effective. Nestable CSP is also ideal for culverts, storm sewers and drainage when transporting and installing in remote site applications.

Material Choices per ASTM Specification A 929

- Galvanized
- Aluminized Type 2 (ALT2)

Two Fastening Methods

- 18-inch through 30-inch diameters (46 through 76 cm) use a straight-back stitch.
- 36-inch diameter (91 cm) or larger use a hook-and-eye bolt

Basic Assembly

When installing Nestable CSP, bottom sections are placed in position first. Each succeeding section overlaps the previous one by a full corrugation.

Bottom and top sections are 9-corrugations long, with a laying length of 2 feet (61 cm). Two special sections, one 4-corrugations long and the other 5-corrugations long, are supplied for each line of pipe.

The first top section to be placed on the bottom sections is the 4-corrugation section. Then, regular 2-foot lengths are placed as finished pipe length dictates. The last top section placed is the 5-corrugation length.

Nestable CSP is Easily Assembled with a Two-Man Crew.



Assemble quickly & efficiently with a screwdriver and a mallet.



Encase solid wall HDPE (or any plastic pipe) with Nestable CSP underneath haul roads, embankments, etc.



Nestable CSP can be used to build a land bridge in remote applications.

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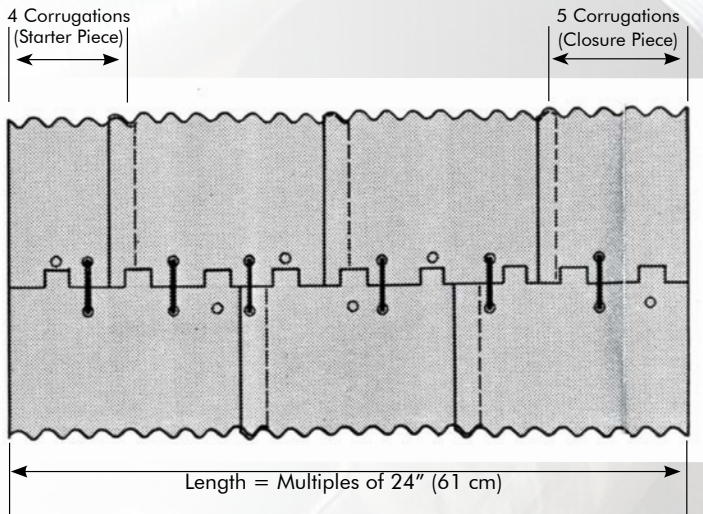
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Assembly Tools Provided

One set of assembly tools is supplied with each order of Nestable CSP. These tools include a draw bar for pulling sections together, pinch bar, mallet and bending bar. For pipe joined with hook-and-eye bolts, two hand wrenches replace the bending bar.

Backfill Compaction Requirements

As with all corrugated steel structures, Nestable CSP should be backfilled with a well-graded granular material and compacted to a minimum of 90% of AASHTO Standard Density.



- Structures should be backfilled with granular material to a minimum of 90% AASHTO Standard Density.
- Check with local CONTECH Sales Office for availability of additional sizes and gages.
- Corrugation Profile is 2-2/3" x 1/2"

Sections are nested into compact, easy-to-handle bundles for economical transportation.



Superior strength to weight ratio of steel.



Heavy loading conditions ideal for haul roads.



Sections can be nested into compact, easy-to-handle bundles allowing for economical transportation.

Nestable CSP								
(Sizes, Weights, Gages, and End Areas)							Maximum Cover Heights	
Gage	Inches	cm	Lbs./Ft.	Kilos/M	Sq. Ft.	Sq. Meter	Feet	Meters
16	18	45.7	15.5	23.1	1.77	0.164	20	6.10
	21	53.3	18.0	26.8	2.41	0.223	20	6.10
	24	61.0	20.5	30.5	3.14	0.292	15	4.55
14	18	45.7	19.5	29.0	1.77	0.164	40	12.20
	21	53.3	22.0	32.7	2.41	0.223	35	10.65
	24	61.0	25.5	37.9	3.14	0.292	30	9.15
	30	76.2	31.0	46.1	4.91	0.456	25	7.60
	36	91.4	37.0	55.1	7.07	0.658	20	6.10
	42	106.7	43.0	64.0	9.62	0.892	15	4.55

* Cover is measured above the top of the pipe. Minimum cover is 12" (0.30 m). Live loading is per AASHTO H20/HS20.