PRODUCT INFORMATION

SB-AW Integral Corrugated Metal Pipe (ISO)

SB-AW Spiral Corrugated Pipe, as its name implies, is characterized by its monoblock annular structure made of quality corrugate metal sheet and welded in a roll welding. It has high strength, durability, versatility as well as a strong structure that ensures long life. Most of all, it is easier and quicker to be installed on site compared with assembled corrugated metal pipes. Thus, integral corrugated metal pipes are ideal for projects in severe construction conditions, such as severe sedimentation areas. However, integral corrugated metal pipe are not convenient to transport, so it is recommended to be applied to projects in a short transportation distance.

As a professional manufacturer, we offer two types of integral corrugated metal pipes as shown in the following two pictures.



Integral corrugated metal pipe with welded flange



Inserted type integral corrugated metal pipe

Welded flanges with punched holes are designed for easy connecting integral corrugated metal pipes together. However, our patented inserted type pipes feature punched holes at both ends of pipes for easier installation, higher leak tightness as well as higher anti-press strength. In addition, inserted type pipes have no flange plates let alone open welding of flange plates.

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SB-AW Integral Corrugated Metal Pipe (ISO) *(AWCQJOMPEICMP04)*

Product Feature

- **High strength & longevity** - about 1.5 - 3 times as strong as traditional concrete pipes allows for longer lifespan.
- **Lightweight structure** - about 1/15 to 1/5 times the weight of concrete pipes in same specification for easy handling and transportation.
- **Anti-corrosion treatment** - heavily galvanized, asphalt or polymer coated for providing a great rust and corrosion resistance.
- **Much safer** - ameliorate the faulting situation happened between the land based structures and embankments for providing more comfort to the car drivers on the bridge.
- **Affordable price** - integral metal pipe are lower in cost, especially for those whose span is no less than one meter. Normally, the larger the span is, the bigger price difference will present compared with traditional concrete pipes.
- **Easy installation** - easy to connect integral corrugated metal pipes together on site just using bolts, nuts and hand tools.
- **Short construction period** - these pipes can be handled, transported and installed in a short time, so that it shorten the construction time as well as provide a saving of labor cost.
- **Environment protection** - made of high quality galvanized steel instead of concrete, sand and woods to decrease the carbon emission.
- **Low maintenance** - low even no maintenance is needed under some conditions. Thus, integral corrugated metal pipes are cost effective in the long run with the lowest maintenance cost.



Applications

- Conduit and negative well.
- Culvert for highways, railways, waterways.
- Drain pipes and storm sewer system.
- Bridges and foundation structures.
- Rain pipes and sewage pipes, etc.

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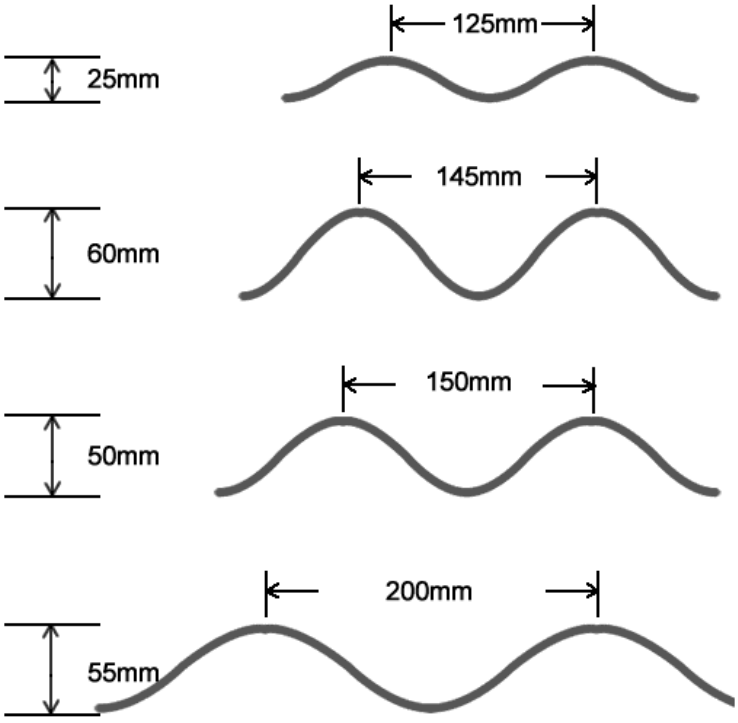
Specifications

SB-AW Integral Corrugated Metal Pipe (ISO)

- Pipe inside diameter: 0.5m to 3.0m.
- Pipe thickness: 2.5mm to 7.0mm.
- Wave size:
    - 125mm × 25mm;
    - 145mm × 60mm;
    - 150mm × 50mm;
    - 200mm × 55mm.
- Anti-corrosion treatment:
    - Galvanized - thickness of zinc coating ≥ 84um.
    - Electrostatic asphalt spraying.
    - Polymer coated for the longest service life.
- Height of back-fill cover: 0.5m to 40m
- Pipe length: Any custom length is available.



Corrugated metal pipes are available in various corrugation types.

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Specifications

SB-AW Spiral Corrugated Pipe (ISO)

Model	Inside Diameter (m)	Pipe Thickness (mm)	Waze Size	Matching Bolt	With Flange	Insert Type
AWCQJOMPEICMP04 C500	0.5m	2.0mm - 3.5mm	125mm x 25mm	M12	No	Yes
AWCQJOMPEICMP04 C750	0.75m	2.5mm - 4.0mm	125mm x 25mm	M12	Yes	Yes
AWCQJOMPEICMP04 C1000	1m	3.0mm - 5.0mm	125mm x 25mm	M16	Yes	Yes
AWCQJOMPEICMP04 C1250	1.25m	3.0mm - 5.5mm	125mm x 25mm	M16	Yes	Yes
AWCQJOMPEICMP04 C1500	1.5m	3.0mm - 6.0mm	125mm x 25mm	M16	Yes	Yes
AWCQJOMPEICMP04 C2000	2m	3.5mm - 6.5mm	125mm x 25mm	M16	Yes	Yes
AWCQJOMPEICMP04 D1500	1.5m	3.0mm - 5.0mm	150mm x 50mm	M16	Yes	Yes
AWCQJOMPEICMP04 D2000	2m	3.0mm - 6.0mm	150mm x 50mm	M16	Yes	Yes
AWCQJOMPEICMP04 D2500	2.5m	3.0mm - 6.5mm	150mm x 50mm	M16	Yes	Yes
AWCQJOMPEICMP04 D3000	3m	3.5mm - 7.0mm	150mm x 50mm	M16	Yes	Yes
AWCQJOMPEICMP04 E1500	1.5m	3.0mm - 5.5mm	200mm x 55mm	M16	Yes	Yes
AWCQJOMPEICMP04 E2000	2m	3.0mm - 6.0mm	200mm x 55mm	M16	Yes	Yes
AWCQJOMPEICMP04 E2500	2.5m	3.0mm - 7.0mm	200mm x 55mm	M16	Yes	Yes
AWCQJOMPEICMP04 E3000	3m	3.0mm - 8.0mm	200mm x 55mm	M16	Yes	Yes
AWCQJOMPEICMP04 F1000	1m	3.0mm - 5.0mm	145mm x 60mm	M16	Yes	Yes
AWCQJOMPEICMP04 F1250	1.25m	3.0mm - 5.5mm	145mm x 60mm	M16	Yes	Yes
AWCQJOMPEICMP04 F1500	1.5m	3.0mm - 6.0mm	145mm x 60mm	M16	Yes	Yes
AWCQJOMPEICMP04 F2000	2m	3.0mm - 7.0mm	145mm x 60mm	M16	Yes	Yes

*Note: Custom-made designs and sizes order for thickness of SB-AW Nestable Corrugated Pipe (ISO) is available and please contact us for more information.

All statements, technical information and recommendations contained herein are based on tests we believe to be reliable, but the accuracy or completeness thereof is not guaranteed, and the preceding is made in lieu of all warranties, expressed or implied.

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Galvanized integral corrugated metal pipes



Black polymer coated integral corrugated metal pipe

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