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FLEXIBLE TUBING LTD

GALVANISED STEEL CONCERTINA NON-PACKED



GALVANISED STEEL CONCERTINA NON-PACKED FLEXIBLE METAL TUBING

Galvanised Steel Concertina Non-Packed is an extremely flexible stripwound metal hose manufactured from a single metal strip with a large, deep squarelock section.

Combining high mechanical strength with exceptional flexibility, this larger and stronger flexible metal tube is suitable for ducting and extraction, material handling and protective casing applications.

Key Features

- Galvanised steel construction
- Non-packed squarelock section
- Extremely flexible construction
- High mechanical strength
- Suitable for ventilation, extraction, suction and fan duties
- Maximum operating temperature of +500°C
- Available in internal diameters from 51mm to 305mm
- Intermediary sizes can be manufactured where required
- Non-standard lengths available

Order non-standard lengths here

Please note the diameters listed below are all **inside diameters. Please check this before ordering.*

We can manufacture to intermediary sizes where required. If your size is not listed, please contact us.

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PRODUCT DETAILS

Galvanised Steel Concertina Non-Packed – Product Details

Galvanised Steel Concertina Non-Packed is a flexible stripwound metal tube manufactured with a large, deep non-packed squarelock section.

The Concertina construction combines high mechanical strength with exceptional flexibility, creating a larger, stronger flexible metal tube for a range of industrial applications.

Key Features

- Galvanised steel flexible metal tubing
- Large, deep squarelock section
- Non-packed construction
- Extremely flexible
- High mechanical strength
- Suitable for ducting and extraction
- Suitable for material handling and protective casing applications
- Maximum operating temperature of +500°C
- Available in internal diameters from 51mm to 305mm
- Intermediary sizes can be manufactured where required
- Non-standard lengths available

All listed tubing diameters refer to the inside diameter (ID).

Manufacturing Tolerances

- Up to and including 76mm ID: +0.5mm / -0.0mm
- Over 76mm ID: +1.0mm / -0.0mm

TECHNICAL DATA

Bore Size	I/D (mm)	O/D (mm)	Inside Bend Radius (mm)	Weight (KG) per 100m
2″	51	58	90	124
2.1/2″	63	70	110	155
3″	76	88	133	186
3.1/2″	89	101	156	217

4″	102	114	179	248
4.1/2″	114	126	200	279
5″	127	139	228	310
5.1/2″	140	152	245	341
6″	152	164	266	372
6.1/2″	165	177	289	403
7″	178	190	312	434
8″	203	215	356	496
9″	229	241	401	558
10″	250	262	438	620
11″	279	291	489	682
12″	305	317	534	744

CONSTRUCTION

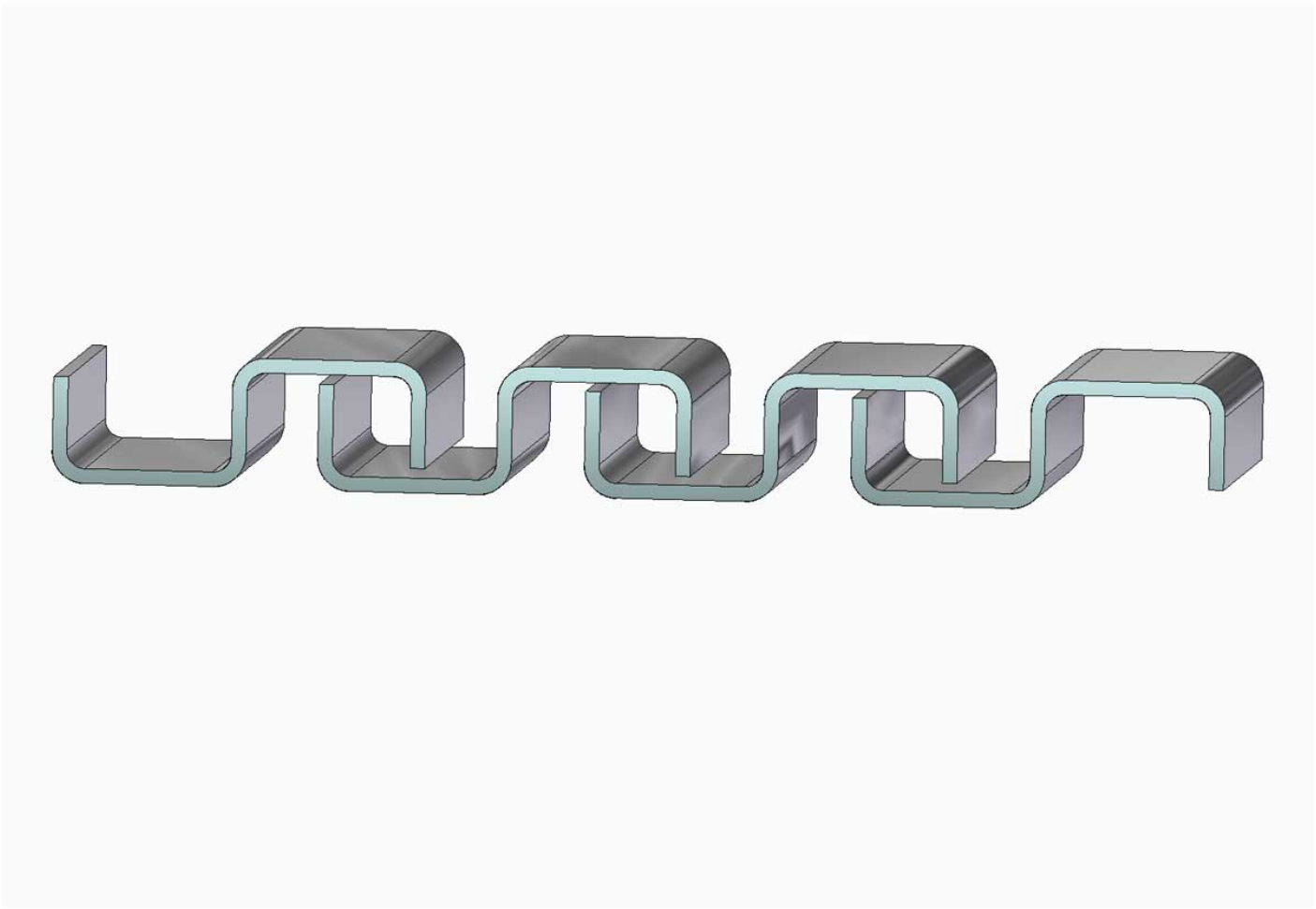
Galvanised Steel Concertina Non-Packed Construction

Galvanised Steel Concertina Non-Packed tubing is manufactured from deep drawing quality carbon steel to BS 1449 galvanised.

The tubing is manufactured by winding profiled metal strip into a tube to create a squarelock section.

Unlike the Fibre-Packed Concertina version, this construction is non-packed, providing an extremely flexible metallic tube where high strength and great flexibility are required.

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APPLICATIONS

Galvanised Steel Concertina Non-Packed Applications

Galvanised Steel Concertina Non-Packed combines strength with exceptional flexibility. Its larger, stronger squarelock construction provides a flexible metallic tube suitable for a range of industrial applications.

Typical applications include:

- **Ducting** – extremely flexible metallic tubing suitable for industrial ducting applications
- **Extraction** – suitable for flexible extraction applications
- **Ventilation** – suitable for flexible ventilation applications
- **Suction & Fan Duties** – the highly flexible non-packed construction is suitable for suction and fan duties
- **Material Handling** – suitable for industrial material handling applications where strength and flexibility are required
- **Protective Casings** – suitable for use as a flexible metallic protective casing

Maximum Operating Temperature: +500°C

Please note the diameters listed below are all **inside diameters. Please check this before ordering.*

Manufacturing tolerances – All metallic tubing is manufactured to ID sizes, tolerances are + 0.5mm, – 0.0mm – up to 76mm ID, + 1.0mm, – 0.0mm – anything over 76mm ID

NON-STANDARD LENGTHS

Order non-standard lengths here

FAQS

Frequently Asked Questions About Galvanised Steel Concertina Non-Packed Tubing

What is Galvanised Steel Concertina Non-Packed Tubing?

Galvanised Steel Concertina Non-Packed is an extremely flexible stripwound metal tube manufactured with a large, deep squarelock section.

How is Non-Packed Concertina constructed?

The tubing is manufactured from profiled galvanised carbon steel strip wound into a tube to form a squarelock construction.

What does non-packed mean?

The squarelock section does not contain the fibre packing used within the Fibre-Packed Concertina product, creating a highly flexible non-packed metallic tube.

What is Galvanised Steel Concertina Non-Packed used for?

Typical applications include ducting and extraction, ventilation, suction and fan duties, material handling and protective casings.

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How flexible is Non-Packed Concertina tubing?

Whitehouse describes Non-Packed Concertina as an extremely flexible metal hose, particularly suited to industrial applications where high strength and great flexibility are required.

Is Non-Packed Concertina suitable for ventilation?

Yes. Its extremely flexible construction makes it suitable for ventilation, extraction, suction and fan duties.

What is the maximum operating temperature?

The maximum operating temperature is +500°C.

What sizes are available?

The standard technical data covers internal diameters from 51mm to 305mm. Whitehouse can also manufacture intermediary sizes where required.

Are the listed diameters internal or external?

All listed tubing diameters are inside diameters (ID).

Can non-standard lengths be supplied?

Yes. Non-standard lengths can be ordered to suit individual requirements.

What are the manufacturing tolerances?

For tubing up to and including 76mm ID, the manufacturing tolerance is +0.5mm / -0.0mm. For tubing over 76mm ID, the tolerance is +1.0mm / -0.0mm.