

GALVANISED STEEL CONCERTINA FIBRE-PACKED



GALVANISED STEEL CONCERTINA FIBRE-PACKED FLEXIBLE METAL TUBING

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

The fibre packing reduces air loss through the section, while the Concertina construction provides great flexibility and high mechanical strength. It is particularly suitable for ducting and extraction, material handling and protective casing applications.

Key Features

- Galvanised steel construction
- Deep fibre-packed squarelock section
- Extremely flexible construction
- High mechanical strength
- Fibre packing helps reduce air loss
- Excellent bend radius
- 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.

PRODUCT DETAILS

Galvanised Steel Concertina Fibre-Packed – Product Details

Galvanised Steel Concertina Fibre-packed is a flexible stripwound metal tube manufactured with a large, deep fibre-packed squarelock section.

The construction combines high mechanical strength with exceptional flexibility. Fibre packing within the squarelock section helps reduce air loss, making the tubing particularly suitable for extraction and other applications where a highly flexible metallic tube is required.

Key Features

- Galvanised steel flexible metal tubing
- Large, deep packed squarelock section
- Fibre-packed construction
- Great flexibility
- High mechanical strength
- Reduced air loss through the section
- Excellent bend radius
- Maximum operating temperature of +500°C
- Available in internal diameters from 51mm to 305mm
- Intermediary sizes available 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	I/D	O/D	Inside Bend	Weight (KG) per 100m
Size	(mm)	(mm)	Radius (mm)	



WHITEHOUSE FLEXIBLE TUBING LTD

2"	51	58	102	144
2.1/2"	63	70	126	180
3"	76	88	152	216
3.1/2"	89	101	178	252
4"	102	114	204	288
4.1/2"	114	126	228	324
5"	127	139	254	360
5.1/2"	140	152	280	396
6"	152	164	304	432
6.1/2"	165	177	330	468
7"	178	190	356	504
8"	203	215	406	576
9"	229	241	458	648
10"	250	262	500	720
11"	279	290	558	792
12"	305	316	610	864

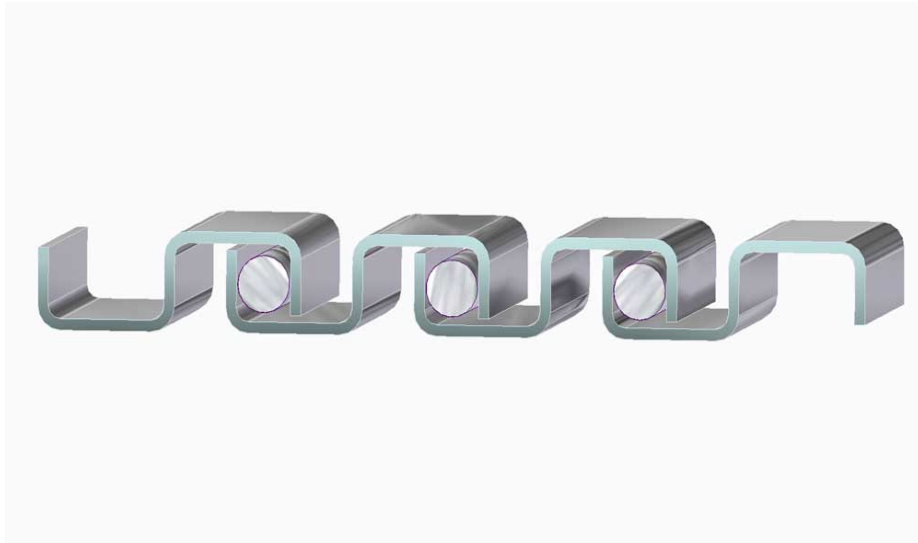
CONSTRUCTION

Galvanised Steel Concertina Fibre-Packed Construction

Galvanised Steel Concertina Fibre-packed is manufactured from deep drawing quality carbon steel to BS 1449 galvanised.

The tubing is manufactured by winding profiled metal strip into a tube with a deep fibre or cotton-packed squarelock section.

This packed squarelock construction combines the strength of metallic tubing with great flexibility, while the packing helps reduce air loss through the section.



APPLICATIONS

Galvanised Steel Concertina Fibre-Packed Applications

Galvanised Steel Concertina Fibre-packed combines strength and exceptional flexibility with fibre packing that reduces air loss through the section, making it particularly suitable for extraction purposes.

This particular construction provides the best radius of all the metallic tubes within the Whitehouse range.

Typical applications include:

- **Ducting** – highly flexible metallic tubing suitable for industrial ducting applications
- **Extraction** – the fibre-packed construction reduces air loss through the section, making the tubing particularly suitable for extraction purposes
- **Material Handling** – suitable for industrial material handling applications requiring strength and flexibility
- **Protective Casings** – suitable for use as a flexible protective metallic casing
- **Applications Requiring a Tight Bend Radius** – the Concertina construction provides the best radius of the metallic tubing types within the Whitehouse range

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 Fibre-Packed Tubing

What is Galvanised Steel Concertina Fibre-Packed Tubing?

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

What is the benefit of the fibre packing?

The fibre packing helps reduce air loss through the squarelock section, making the tubing particularly suitable for extraction applications.

How is Fibre-Packed Concertina constructed?

The tubing is manufactured from profiled galvanised carbon steel strip wound into a tube with a deep fibre or cotton-packed squarelock section.

What is Galvanised Steel Concertina Fibre-Packed used for?

Typical applications include ducting and extraction, material handling and protective casings, particularly where high strength and great flexibility are required.

Is Fibre-Packed Concertina suitable for extraction?

Yes. The fibre packing reduces air loss through the section, making this construction particularly suitable for extraction purposes.

How flexible is Concertina Fibre-Packed tubing?

Whitehouse describes Fibre-Packed Concertina as an extremely flexible metal hose. Its construction provides the best radius of the metallic tubing types within the Whitehouse range.

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.