



Hose styles

stripwound metal hose

Strip wound flexible metal hoses are produced by roll forming a profile into a metal strip and helically (spirally) winding the strip over a mandrel.

The edges of each successive turn of the strip are locked together to form a hose that flexes by the sliding action within the two profiled lock sections.

Some of the strip wound hoses have a packing material fed into the profiled lock sections to provide the hose with a pressure capability.

There are two basic styles of strip wound hose - interlocked and square locked:

interlocked

The interlocked style is a flat that has a limited pressure capability due to the 'closeness' of the lock section. Interlocked hose is robust and strong even when elongation stresses are applied. It is ideal for conveying exhaust gases, grain, animal feed, pellets, dust, etc and as a mechanical protection for cables, wire and other hoses.



A high temperature composite packing material can be introduced into the interlocked section to increase its pressure capability and enable it to be used in arduous industrial applications such as the conveyance of bitumen, steam, etc.

squarelocked

Squarelocked hose has a square ridge profile and due to the type of lock section is very supple and flexible. A packing seal is needed with squarelocked for it to have a low-pressure capability. The squarelocked is not as strong as the interlocked however it is more supple. It is ideal for conveying sawdust, hot air fumes and as a mechanical protection for electrical wiring.

