

## Arcflex Flexible Corrugated Hose Range

### Product details and range options

Flexibility in Arcflex metal tubes is achieved by forming corrugations into straight butt-welded tube. Depending on the strip thickness used in making the straight tube, prior to corrugating, together with the shape, depth and pitch of the corrugations, these factors determine the degree of flexibility of the hose.

The corrugation profile can be spiral, annular or even Omega form to give different characteristics ranging from improved flow rate, increased flexibility or longer cyclic life. Corrugations can be wide pitch, such as undulating profile which has far less flexibility than a standard pitch profile. This is the cheapest option and is often supplied to achieve lower costs when hidden under the braid. This open pitch profile can be solution annealed to make the tube pliable and bendable. Closing the pitch increases the height of the corrugations and achieves higher flexing characteristics, producing commercially accepted flexible hose, either Standard or Close pitch.

Arcflex can adjust the pitch during corrugating or as a secondary process to fine pitch or fully compressed to gain the maximum flexibility and long cyclic life. This process can be applied to any spiral or annular-formed tube to improve flexibility above those shown in the standard ranges. Super Ultraflex is one of these highly flexible options.



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