



sitcoflex

automotive connectors

applications

The SITCOFLEX flexible braided exhaust connectors are used on both front wheel drive and north south engine exhaust systems.

Front wheel drive engines that are transversely Mounted in the automobile, transmit considerable Vibrations and noise to the exhaust system as the engine motion is perpendicular to the tail pipe. The north south V6 engine configurations also require these connectors to eliminate noise and harshness. The SITCOFLEX is ideal in areas where they are not required to be self-supporting.

description

The metal bellows element of the SITCOFLEX can be supplied in single or double ply wall. The double ply provides additional durability. The metal bellows element is formed from seamless tube thereby providing a leak proof seal.

The SITCOFLEX is fitted with an external wire braid mainly to protect the bellows from impacts by stones, etc. but can provide a secondary role in restraining excessive axial movement.

The SITCOFLEX can be fitted as required with an internal braid liner or a strip wound hose liner to improve the exhaust flow and reduce noise, and provide some protection for the bellows from excessive exhaust gas temperatures.

Materials – standard

Bellows AISI 304 Stainless steel
Braid AISI 304 Stainless steel

Other materials for any component available on special order.

nominal bores (mm) – standard

double ply 44,50,57,65,78,
single ply 32,38,44,50,57,65,78,86,101

lengths

The unique SITCOFLEX method of manufacturing means that almost any length is possible irrespective of the quantity required.

The length is measured from cuff end to cuff end. Lengths vary depending upon the vehicle manufactures specification requirements but for the aftermarket are generally standardized at 100, 150, 200, and 250 mm lengths.

length tolerance

The standard tolerance on the length of a SITCOFLEX is +/- 3mm.

additional assembly

SITCOFLEX can weld pipe ends, flanges etc to the SITCOFLEX connector as required utilising automated orbital welders.

Please contact our sales Department with your requirements.

installation notes

The SITCOFLEX should be installed in the same position in the exhaust system as determined by the car manufacture, using an identical SITCOFLEX in diameter, length and configuration as the OEM part.

SITCOFLEX with strip wound hose liners should be installed in accordance with the flow arrow where marked on the outside of the unit.

SITCOFLEX should not be used with turbocharged vehicles, due to the extreme temperatures generated, usually resulting in premature failure.

Please contact a SITCOFLEX sales office for further details.