02

PRODUCT FAMILY 02 · DN6 – DN200

SS interlock flexible hoses

An interlock hose (also called *strip-wound hose*) is constructed from a continuous stainless steel strip wound in a helix and locked together with an interlocking profile — unlike a corrugated hose which is formed from tube. The interlocked seam is open, so interlock hoses are **not pressure-tight** and are used as flexible protective conduits, armoured sleeves, exhaust ducting, and flow liners.

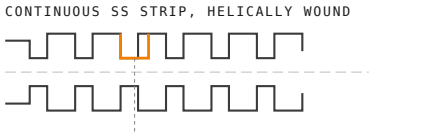

FIG. 02 — STRIP-WOUND INTERLOCK PROFILE · MAX TEMP 700 °C (SS304) / 800 °C (SS321)

PRIMARY APPLICATIONS

- PROTECTIVE SLEEVE / ARMOUR
- INNER LINER IN CORRUGATED BORE
- EXHAUST & VENTILATION DUCTING
- PNEUMATIC CONVEYING
- CABLE PROTECTION — HIGH-TEMP ZONES

— CONSTRUCTION TYPES —

Double interlock

Overlapping strip sections create a robust, flexible structure with good axial strength. Most common type — preferred for protective sleeving and general conduit.

Loose interlock

Minimal strip engagement provides maximum bending flexibility. Used where the hose must conform to tight or irregular routing and axial load is low.

Polygonal interlock

Specialised cross-section providing torsional rigidity without sacrificing lateral flexibility — resists twisting while still bending freely.

— DIMENSIONAL SPECIFICATIONS · DN6 – DN200 —

DN	BORE (MM)	OD (MM)	C/L BEND RAD. (MM)	MAX TEMP SS304 (°C)
DN6	6.0	8.0	38	700
DN8	8.0	10.0	38	700
DN10	10.0	12.5	50	700
DN12	12.0	15.0	50	700
DN16	16.0	19.0	50	700
DN20	20.0	23.5	120	700
DN25	25.0	28.5	135	700
DN32	32.0	35.0	135	700
DN40	40.0	43.5	165	700
DN50	50.0	53.5	178	700
DN65	65.0	68.0	245	700
DN80	80.0	83.0	280	700
DN100	100.0	105.0	555	700
DN125	125.0	130.0	590	700
DN150	150.0	155.0	655	700
DN200	200.0	207.0	1050	700

DOUBLE INTERLOCK, STANDARD SS304 · SS316L & SS321 TO ORDER · PROTECTIVE CONDUIT, NOT PRESSURE-RATED · PACKED INTERLOCK ≈ 2× RADIUS · SIZES ABOVE DN200 ON DEMAND — CONTACT ENGINEERING