



**INVICTA®**

## FLEXIBLE PIPES AND BELLOWS



# Fluid Connectors for Extremes

Invicta is a multi-skilled technical organization established in 1974 by Mr. Gopal Chopra and is one of pioneers on manufacturing a wide variety of hose assemblies for extreme industrial applications.

The factory is located in Faridabad, the industrial hub of Haryana, and is well equipped with all the facilities to provide high quality flexibles hoses, bellows; complete with end fittings.

We at Invicta manufacture and supply assemblies for fluid transmission (air, water, oil, gases, chemicals) at extreme temperatures and pressures complete with end fittings and assemblies for various industrial applications, guided by the experience and knowledge gained over the years.

The hose assemblies are used for conveying air, water, oil, steam, black liquor, chlorine, refrigerants like ammonia, Freon, cryogenic fluids like liquid oxygen, liquid nitrogen, liquid argon, acids and chemicals like sulphuric acid, nitric acid, etc. at high pressure & high temperature.



## MISSION

The company is guided by the mission to provide the optimal solution for your fluid transmission problems, following safety rules and the same time cutting the costs.

Our practices are geared towards delivering continuous quality improvement results to our customers on JIT (Just In Time) basis as per the need be.

## PRODUCTS

- FLEXIBLES HOSES
- EXPANSION BELLOWS
- END FITTINGS AND CONNECTIONS

For All Industrial Applications

## STAINLESS STEEL HOSES

### S.S. CORRUGATED HOSES

These are manufactured in SS-304, SS-321 and SS-316 in all sizes from 6mm N.B to 300 mm N.B with



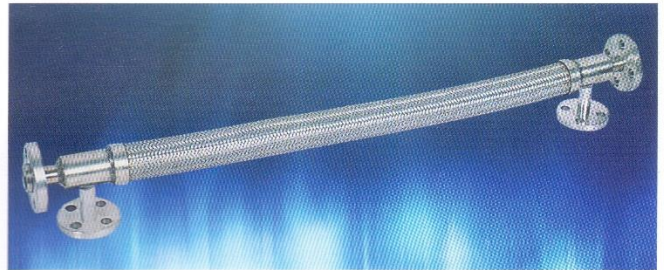
pressure rating from full vacuum to 200 Kg/cm<sup>2</sup> and temperature range from -269°C to +800°C.

These SS hose assemblies are used in PAPER PLANTS, POWER PLANTS, AUTO COMPANIES, CHEMICAL INDUSTRY, TYRE PLANTS, STEEL PLANTS, PLYWOOD INDUSTRIES, DIESEL ENGINE EXHAUSTS, RESEARCH CENTRES etc.

These are supplied with end fittings/flanges exactly as per customers requirements.

## S.S. JACKETED HOSE ASSEMBLIES

**APPLICATIONS :** This type of assemblies is used when ordinary insulation is not sufficient for certain applications or when specific minimum temperatures are required to convey viscous substances. It consists of two hoses one inside the other, with various cross sectional differences. One of the hose, generally the external one carries a heating or cooling agent. Sometimes it is the other way round. In other cases, the external hose is used as a safeguard.



## S.S. INTERLOCK HOSES

These are helically wound, strip wound hoses with or without packing of asbestos yarn, copper wire etc. Depending upon the application. These are manufactured S-304 and G.I in all sizes from 4mm ID to 300mm ID. These are supplied complete with end fittings/flanges as per the customers requirement. These are also supplied with external PVC extruded cover.

These are used for engine exhaust applications, liquid handling applications, solid handling applications including suction/blower hose and also for covering corrugated type SS hoses and cables/wires for protection against external abuse.

## RUBBER HOSES

### HYDRAULIC RUBBER HOSE

These are manufactured from oil resistant synthetic rubber with high tensile steel or rayon braided reinforcements in all sizes from 3/16" ID 4" ID and in long lengths. These are used for conveying hydraulic oils, fuel oils, gasoline, air and water etc. at low pressure/medium pressure/high pressure and super high pressure upto 1400 Kg/cm<sup>2</sup>.

These are available in different categories, being R3, R5, 4-SP, 4-SH, 6-SP, R1, R2, R3, R4, R12, R13, R16, R17, R19 etc.

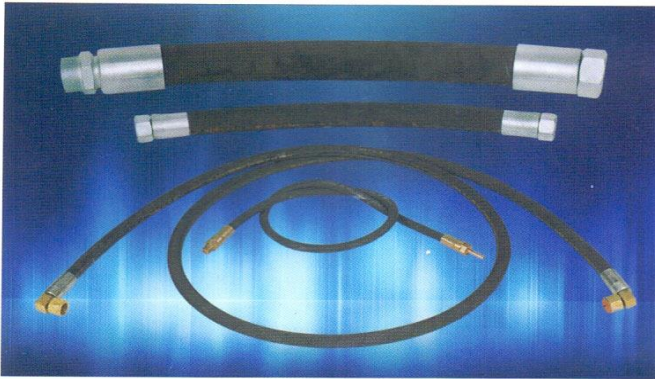
These are supplied with end fittings/connections as per customers requirements.

## INDUSTRIAL APPLICATION RUBBER HOSE

### STEAM HOSE ASSEMBLIES

These are used for conveying steam for hydraulic presses, refineries and related application through flexibles pipes in which steam pressure does not exceed 17.6 Kg/cm<sup>2</sup> (250psi) and temperature does not exceed 230°C.

These are available in all sizes from 3/8" NB to 2" NB. These are supplied with complete end fittings/connections as per customers requirement.



### MINING, DRILLING, LPG & Other Industrial Applications Hoses

We also supply hoses for impulsive high pressure application like excavators, dozers, dumpers, cranes, rock breakers, hydraulic drill rigs & other construction equipment.

Fire, ozone, abrasion resistant hose, hot water pressure cleaning hoses, steam hoses, LPG, CNG hoses, AIR CONDITIONING hoses, agricultural hoses, ROCKDRILL hoses, SEWER jetting hoses, CEMENT RIG hoses, Airo mine hoses, Water blast hoses etc.

Hoses with very low MBR (Minimum Bend Radius) for short assembly length & narrow installation are also available.

Hoses are also available for petroleum based hydraulic fluids, synthetic esters, water-glycol based fluids etc.

### TEFLON HOSE ASSEMBLIES

Teflon Hose assemblies are available in both extruded and corrugated form with Stainless Steel wire overbraid. Asbestos cover is also available. These are available in sizes from 6mm bore to 75mm bore & in long lengths are suitable for temperature range of -73°C to +260°C. They are pressure and vacuum tight and in smaller sizes the permissible operating pressure reaches 400Kg/cm<sup>2</sup>.

These hose assemblies are specially designed for service with chlorine, black liquo, steam, acids, chemicals, hot adhesives, hydraulic fluids etc. and therefore they are suitably used in chemical plants, paper plants, air conditioning, steam conveying lines, tyre moulds, textiles machinery, gas fillings, power houses etc.



### CHEMICAL COMPOSITE HOSE

Chemical resistant composite hoses are made from POLYPROPYLENE, POLYESTER & POLYAMIDE fabrics and film material.

The hose consists of inner wire spiral, upon which layers of fabric & film are wrapped and bound with an external wire spiral.

The tension between each other of the wire spirals gives the hose its

pressure capability. The wire helixes can be galvanized steel, Aluminium, Stainless Steel or polypropylene coated steel.

Varieties of hoses are available for passage of different types of chemicals.

### THERMOPLASTIC HOSE

Thermoplastic hoses are available from 4mm ID to 25mm ID, complete with end connection as per the customers requirements for super high pressure water jetting service, conveying gases, hydraulic oils etc.

### BELLOWS

#### METALLIC EXPANSION BELLOW JOINTS

We provide a wide range of metallic expansion bellows /compensators in order to take the axial, lateral, angular or any combination of the above movements.

These are made from SS 304 & SS 316 for single ply and multi ply construction.

Sizes are available from 15m NB to 1000 NB and length upto 500mm.

#### APPLICATION

Pipelines conveying hot air, steam and exhaust gases in diesel engines.

Nuclear projects, refractories, processing & power plants.



#### NON METALLIC BELLOWS

Non metallic expansion joints are flexibles connectors designed to provide stress relief in ducting systems by absorbing movement caused by the thermal changes.

They also act as vibration isolators and shock absorbers.

They are fabricates from a wide variety of non metallic materials including synthetic elastomers, fabrics, insulation materials & fluoro-plastics depending on design.

a. Rubber expansion joints - Rectangular, Circular & Square.

b. Fabric expansion joints - Rectangular, Circular & Square .

These can be supplied in circular, square and rectangular shapes with end flanges as per customer requirement.

**FLANGES:** Available as per ASA-150, ASA-300 pound ratings.



### Quick Release Couplings & Cam lock Couplings

These are devices which permits easy, immediate connections and separation of fluid and pneumatic lines. Upto 8" ID size in MS/CS/SS-304/SS-316



### Other Miscellaneous Flexible Hoses

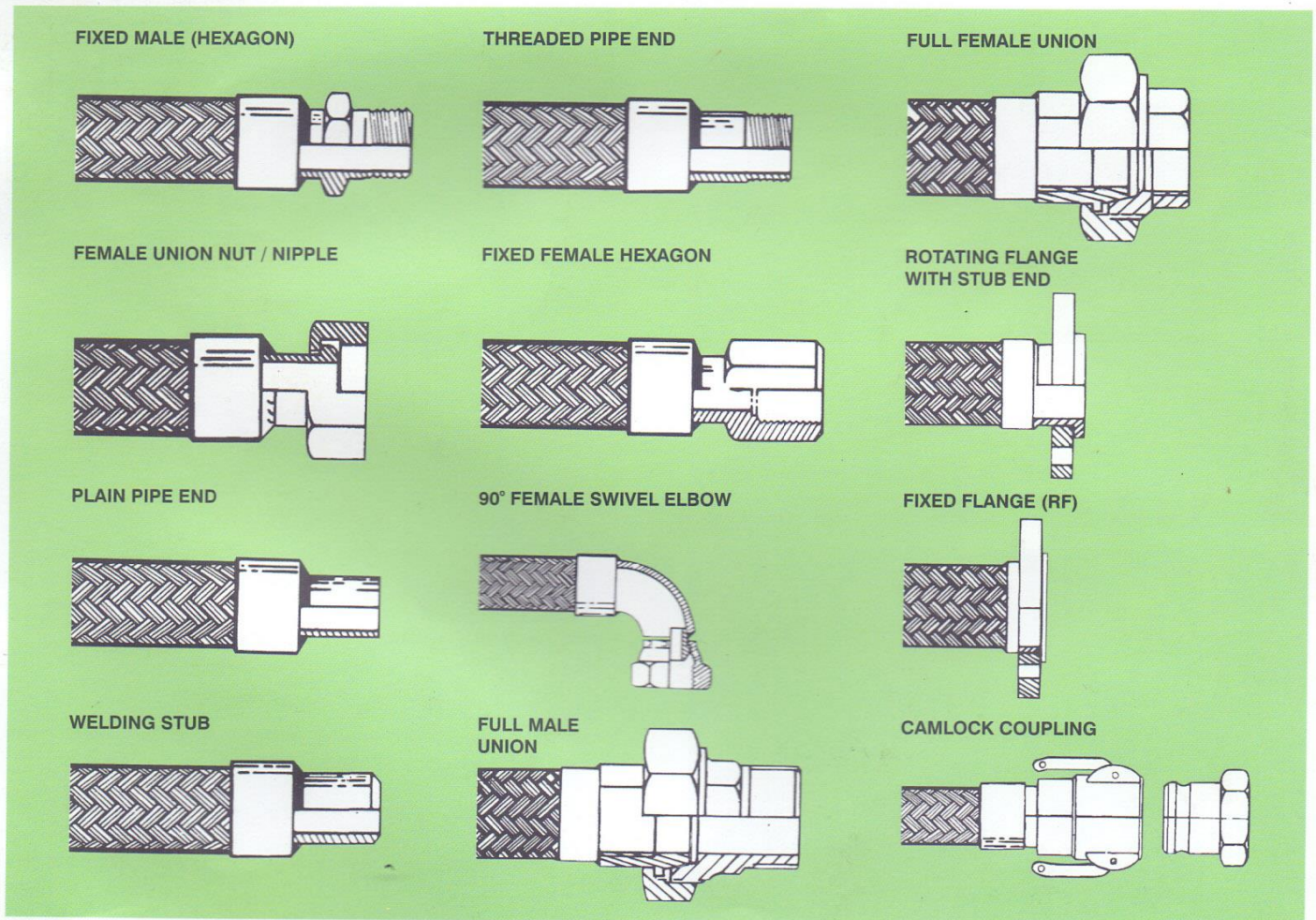
We also supply various other types of hoses complete with End Connections for various industrial applications as given below:-

- Oil Suction & Discharge Hoses from 20 mm NB to 300 mm NB for Loading & Unloading from Tankers as per IS-10733/1983.
- Chemical Transfer Rubber Hoses from 15 mm NB to 300 mm NB as per IS-7654/87 for Concentrated Chemicals and Phosphoric Acid.
- Food Grade Rubber Hoses upto 100 mm NB for Edible Oils & Breweries.
- Pneumatic Tool Hoses upto 50 mm ID as per ISS-446 / 87 Type-2.
- Air/Water Hoses upto 50 mm ID as per ISS-446 / 80 Type-1.
- PVC Hoses upto 50 mm ID in Long Lengths.
- PVC/Vinyl/EPDM Rubber Hoses upto 200 mm ID for Ducting Service.
- Poly Propylene Hoses upto 150 mm NB for various chemicals.

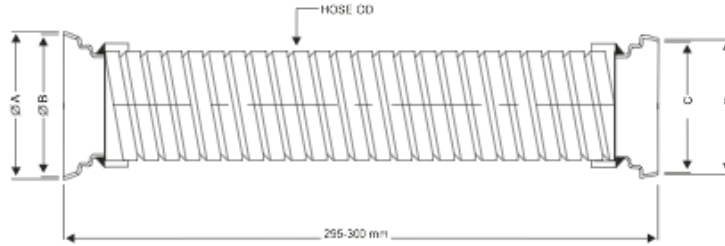
**Any Other type of Flexible Hose for any industrial application.**

### End Fitting and Connection Range

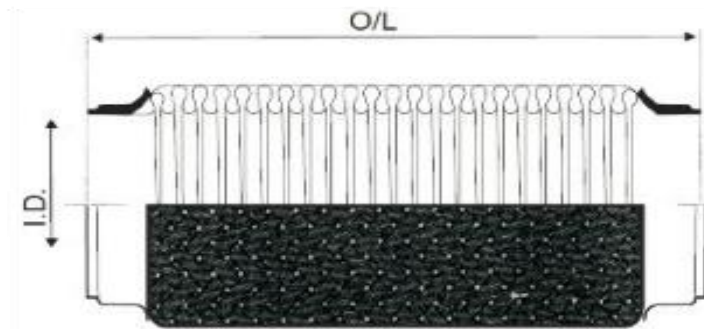
The end fitting range is vast, and knows no limit. End fittings/flanges can be fixed to the hose as per IS, BS, ASA, DIN or as per customer requirement.



# FLEXIBLE PIPES FOR EXHAUST SYSTEMS

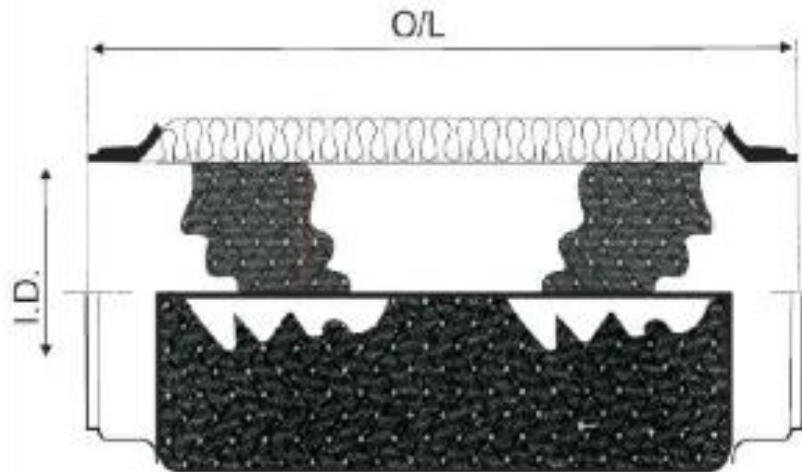


Hose OD (MM)	A (MM)	B (MM)	C (MM)	D (MM)
83.00	97.85	93.25	84.40	87.55
94.50	112.20	107.70	100.70	104.73
104.00	120.64	117.96	111.00	115.50



NOMINAL SIZE	INSIDE DIAMETER	OVERALL LENGTH O/L	NOMINAL SIZE	INSIDE DIAMETER	OVERALL LENGTH O/L
1-1/2" x 4"	38.6 m.m	102 m.m	2-1/4" x 4"	57.2 m.m	102 m.m
1-1/2" x 6"	38.6 m.m	152 m.m	2-1/4" x 6"	57.2 m.m	152 m.m
1-1/2" x 8"	38.6 m.m	202 m.m	2-1/4" x 8"	57.2 m.m	202 m.m
1-1/2" x 9"	38.6 m.m	228 m.m	2-1/4" x 9"	57.2 m.m	228 m.m
1-1/2" x 10"	38.6 m.m	254 m.m	2-1/4" x 10"	57.2 m.m	254 m.m
1-3/4" x 4"	45.3 m.m	102 m.m	2-1/2" x 4"	63.8 m.m	102 m.m
1-3/4" x 6"	45.3 m.m	152 m.m	2-1/2" x 6"	63.8 m.m	152 m.m
1-3/4" x 8"	45.3 m.m	202 m.m	2-1/2" x 8"	63.8 m.m	202 m.m
1-3/4" x 9"	45.3 m.m	228 m.m	2-1/2" x 10"	63.8 m.m	254 m.m
1-3/4" x 10"	45.3 m.m	254 m.m	2-1/2" x 12"	63.8 m.m	305 m.m
2" x 4"	51.4 m.m	102 m.m	3" x 4"	76.5 m.m	102 m.m
2" x 6"	51.4 m.m	152 m.m	3" x 6"	76.5 m.m	152 m.m
2" x 8"	51.4 m.m	202 m.m	3" x 8"	76.5 m.m	202 m.m
2" x 9"	51.4 m.m	228 m.m	3" x 10"	76.5 m.m	254 m.m
2" x 10"	51.4 m.m	254 m.m	3" x 12"	76.5 m.m	305 m.m

## FLEXIBLE PIPES FOR EXHAUST SYSTEMS (WITH INNER BRAID SLEEVE)



NOMINAL SIZE	INSIDE DIAMETER	OVERALL LENGTH O/L	NOMINAL SIZE	INSIDE DIAMETER	OVERALL LENGTH O/L
1-1/2" x 4"	38.6 m.m	102 m.m	2-1/4" x 4"	57.2 m.m	102 m.m
1-1/2" x 6"	38.6 m.m	152 m.m	2-1/4" x 6"	57.2 m.m	152 m.m
1-1/2" x 8"	38.6 m.m	202 m.m	2-1/4" x 8"	57.2 m.m	202 m.m
1-1/2" x 9"	38.6 m.m	228 m.m	2-1/4" x 9"	57.2 m.m	228 m.m
1-1/2" x 10"	38.6 m.m	254 m.m	2-1/4" x 10"	57.2 m.m	254 m.m
1-3/4" x 4"	45.3 m.m	102 m.m	2-1/2" x 4"	63.8 m.m	102 m.m
1-3/4" x 6"	45.3 m.m	152 m.m	2-1/2" x 6"	63.8 m.m	152 m.m
1-3/4" x 8"	45.3 m.m	202 m.m	2-1/2" x 8"	63.8 m.m	202 m.m
1-3/4" x 9"	45.3 m.m	228 m.m	2-1/2" x 10"	63.8 m.m	254 m.m
1-3/4" x 10"	45.3 m.m	254 m.m	2-1/2" x 12"	63.8 m.m	305 m.m
2" x 4"	51.4 m.m	102 m.m	3" x 4"	76.5 m.m	102 m.m
2" x 6"	51.4 m.m	152 m.m	3" x 6"	76.5 m.m	152 m.m
2" x 8"	51.4 m.m	202 m.m	3" x 8"	76.5 m.m	202 m.m
2" x 9"	51.4 m.m	228 m.m	3" x 10"	76.5 m.m	254 m.m
2" x 10"	51.4 m.m	254 m.m	3" x 12"	76.5 m.m	305 m.m

## BELLOWS (BLANK ENDS)

INNER DIAMETER	OVERALL LENGTH
1 3/4"	4"
1 3/4"	6"
1 3/4"	8"
1 3/4"	10"
2"	4"
2"	6"
2"	8"
2"	10"
2 1/4"	4"
2 1/4"	6"
2 1/4"	8"
2 1/4"	10"
2 1/2"	4"
2 1/2"	6"
2 1/2"	8"
2 1/2"	10"
3"	4"
3"	6"
3"	8"
3"	10"



## BELLOWS (BLANK ENDS WITH INNER BRAIDING)

INNER DIAMETER	OVERALL LENGTH
1 3/4"	4"
1 3/4"	6"
1 3/4"	8"
1 3/4"	10"
2"	4"
2"	6"
2"	8"
2"	10"
2 1/4"	4"
2 1/4"	6"
2 1/4"	8"
2 1/4"	10"
2 1/2"	4"
2 1/2"	6"
2 1/2"	8"
2 1/2"	10"
3"	4"
3"	6"
3"	8"
3"	10"



## BELLOWS (NIPPLE ENDS)

INNER DIAMETER	OVERALL LENGTH
1 3/4"	8"
1 3/4"	10"
1 3/4"	12"
1 3/4"	14"
2"	8"
2"	10"
2"	12"
2"	14"
2 1/4"	8"
2 1/4"	10"
2 1/4"	12"
2 1/4"	14"
2 1/2"	8"
2 1/2"	10"
2 1/2"	12"
2 1/2"	14"
3"	8"
3"	10"
3"	12"
3"	14"



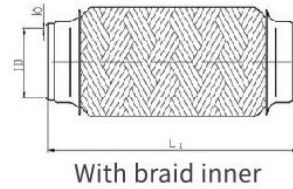
## BELLOWS (INTERLOCK)

INNER DIAMETER	OVERALL LENGTH
1-3/4"	4"
1-3/4"	6"
1-3/4"	8"
1-3/4"	10"
2"	4"
2"	6"
2"	8"
2"	10"
2-1/4"	4"
2-1/4"	6"
2-1/4"	8"
2-1/4"	10"
2-1/2"	4"
2-1/2"	6"
2-1/2"	8"
2-1/2"	10"
3"	4"
3"	6"
3"	8"
3"	10"



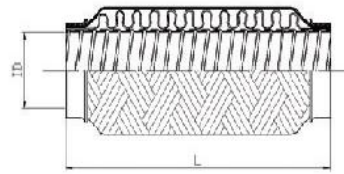


## FLEXIBLE PIPE



SIZE (INCH)	SIZE(MM)
1-1/2×4	38×102
1-1/2×6	38×152
1-1/2×8	38×203
1-1/2×10	38×254
1-3/4×4	45×102
1-3/4×6	45×152
1-3/4×8	45×203
1-3/4×10	45×254
2×4	51×102
2×6	51×152
2×8	51×203
2×10	51×254
2-1/4×4	57×102
2-1/4×6	57×152
2-1/4×8	57×203
2-1/4×10	57×254
2-9/25×4	60×102
2-9/25×6	60×152
2-9/25×8	60×203
2-9/25×10	60×254
2-1/2×4	63.5×102
2-1/2×6	63.5×152
2-1/2×8	63.5×203
2-1/2×10	63.5×254

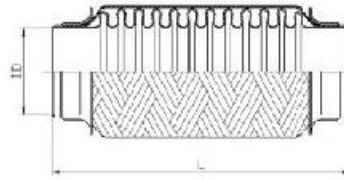
SIZE (INCH)	SIZE(MM)
3×4	76×102
3×6	76×152
3×8	76×203
3×10	76×254
3-1/2×4	89×102
3-1/2×6	89×152
3-1/2×8	89×203
3-1/2×10	89×254
4×4	102×102
4×6	102×152
4×8	102×203
4×10	102×254
5×4	127×102
5×6	127×152
5×8	127×203
5×10	127×254
6×4	152×102
6×6	152×152
6×8	152×203
6×10	152×254



With interlock

SIZE (INCH)	SIZE(MM)
1-1/2×4	38×102
1-1/2×6	38×152
1-1/2×8	38×203
1-1/2×10	38×254
1-3/4×4	45×102
1-3/4×6	45×152
1-3/4×8	45×203
1-3/4×10	45×254
2×4	51×102
2×6	51×152
2×8	51×203
2×10	51×254
2-1/4×4	57×102
2-1/4×6	57×152
2-1/4×8	57×203
2-1/4×10	57×254
2-9/25×4	60×102
2-9/25×6	60×152
2-9/25×8	60×203
2-9/25×10	60×254
2-1/2×4	63.5×102
2-1/2×6	63.5×152
2-1/2×8	63.5×203
2-1/2×10	63.5×254
3×4	76×102
3×6	76×152
3×8	76×203
3×10	76×254

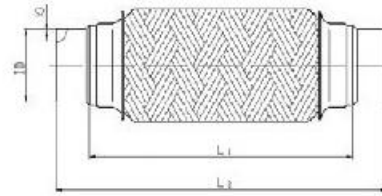
SIZE (INCH)	SIZE(MM)
3-1/2×4	89×102
3-1/2×6	89×152
3-1/2×8	89×203
3-1/2×10	89×254
4×4	102×102
4×6	102×152
4×8	102×203
4×10	102×254
5×4	127×102
5×6	127×152
5×8	127×203
5×10	127×254
6×4	152×102
6×6	152×152
6×8	152×203
6×10	152×254



Without inner braid

SIZE (INCH)	SIZE(MM)
1-1/2×4	38×102
1-1/2×6	38×152
1-1/2×8	38×203
1-1/2×10	38×254
1-3/4×4	45×102
1-3/4×6	45×152
1-3/4×8	45×203
1-3/4×10	45×254
2×4	51×102
2×6	51×152
2×8	51×203
2×10	51×254
2-1/4×4	57×102
2-1/4×6	57×152
2-1/4×8	57×203
2-1/4×10	57×254
2-9/25×4	60×102
2-9/25×6	60×152
2-9/25×8	60×203
2-9/25×10	60×254
2-1/2×4	63.5×102
2-1/2×6	63.5×152
2-1/2×8	63.5×203
2-1/2×10	63.5×254
3×4	76×102
3×6	76×152
3×8	76×203

SIZE (INCH)	SIZE(MM)
3×10	76×254
3-1/2×4	89×102
3-1/2×6	89×152
3-1/2×8	89×203
3-1/2×10	89×254
4×4	102×102
4×6	102×152
4×8	102×203
4×10	102×254
5×4	127×102
5×6	127×152
5×8	127×203
5×10	127×254
6×4	152×102
6×6	152×152
6×8	152×203
6×10	152×254



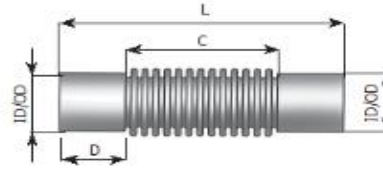
With nipple (extension tube)

SIZE (INCH)	SIZE(MM)
1-1/2×4-8	38×102-203
1-1/2×6-10	38×152-254
1-1/2×8-12	38×203-305
1-1/2×10-14	38×254-356
1-3/4×4-8	45×102-203
1-3/4×6-10	45×152-254
1-3/4×8-12	45×203-305
1-3/4×10-14	45×254-356
2×4-8	51×102-203
2×6-10	51×152-254
2×8-12	51×203-305
2×10-14	51×254-356
2-1/4×4-8	57×102-203
2-1/4×6-10	57×152-254
2-1/4×8-12	57×203-305
2-1/4×10-14	57×254-356
2-9/25×4-8	60×102-203
2-9/25×6-10	60×152-254
2-9/25×8-12	60×203-305
2-9/25×10-14	60×254-356
2-1/2×4-8	63.5×102-203
2-1/2×6-10	63.5×152-254
2-1/2×8-10	63.5×203-305
2-1/2×10-14	63.5×254-356
3×4-8	76×102-203
3×6-10	76×152-254

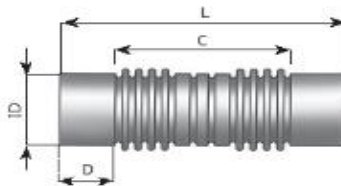
SIZE (INCH)	SIZE(MM)
3×8-12	76×203-305
3×10-14	76×254-356
3-1/2-4	89×102-203
3-1/2-6	89×152-254
3-1/2-8	89×203-305
3-1/2-10	89×254-356
4×4-8	102×102-203
4×6-10	102×152-254
4×8-12	102×203-305
4×10-14	102×254-356
5×4-8	127×102-203
5×6-10	127×152-254
5×8-12	127×203-305
5×10-14	127×254-356
6×4-8	152×102-203
6×6-10	152×152-254
6×8-12	152×203-305
6×10-14	152×254-356

# Compensator

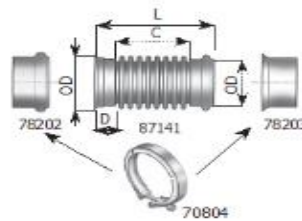
L mm	ID/OD mm	C mm	D mm
240	ID 61,0	120	60
180	ID 71,0	110	35
179	OD 102,0	103	38
215	OD 114,3	95	60



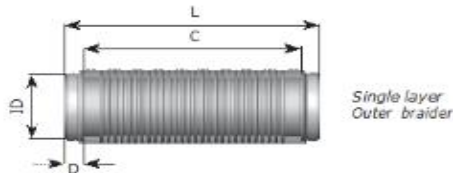
L mm	ID mm	C mm	D mm
380	90,0	188	60



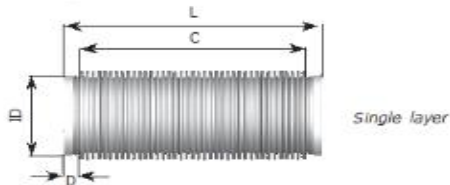
L mm	OD mm	C mm	D mm
160	102,0	81	42



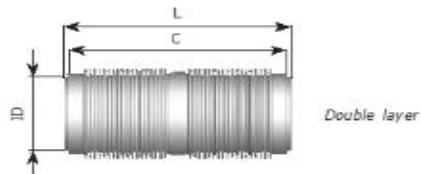
L mm	ID mm	C mm	D mm
240	61,0	203	37
295	89,0	251	22



L mm	ID mm	C mm	D mm
308	110,0	268	20
225	85,2	180	



L mm	ID mm	C mm
298	111,0	288



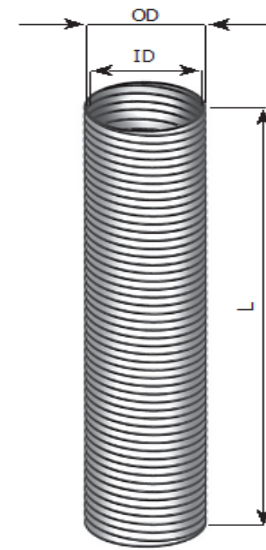
L mm	ID mm
88	103,0



# FLEXIBLE PIPE

## ZINC

OD mm	OD Inch	ID mm	ID Inch	Flex
29,0	1 1/7	25,0	1	D2S
34,0	1 1/3	30,0	1 1/8	D2S
36,0	1 2/5	32,0	1 1/4	D2S
40,0	1 3/5	36,0	1 3/8	D2S
43,0	1 5/7	39,0	1 1/2	D2S
46,0	1 4/5	42,0	1 5/8	D2S
49,0	1 9/10	45,0	1 3/5	D2S
52,0	2	48,0	1 7/8	D2S
55,0	2 1/6	51,0	2	D2S
58,5	2 2/6	54,5	2 1/8	D2S
62,0	2 2/5	58,0	2 1/4	D2S
65,0	2 4/7	61,0	2 3/8	D2S
68,0	2 2/3	64,0	2 1/2	D2S
70,0	2 5/7	66,0	2 5/8	D2S+
71,0	2 4/5	67,0	2 5/8	D2S+
74,0	2 9/10	70,0	2 3/4	D2S
81,1	3 1/5	77,1	3	D2S
85,0	3 1/3	81,0	3 1/8	D2S+
87,0	3 2/5	83,0	3 1/4	D2S
90,0	3 1/2	86,0	3 2/5	D2S
92,9	3 5/7	88,9	3 1/2	D2S
97,0	3 4/5	93,0	3 5/8	D2S+
99,0	3 8/9	95,0	3 3/4	D2S
105,0	4 1/8	101,0	3 7/8	D2S+
106,7	4 1/5	102,7	4	D2S+
112,0	4 2/5	108,0	4 1/4	D2S+
114,0	4 1/2	110,0	4 3/8	D2S
119,5	4 5/7	115,5	4 1/2	D2S+
125,2	4 9/10	121,2	4 3/4	D2S
130,5	5 1/8	126,5	5	D2S+
132,3	5 1/5	128,3	5	D2S
135,5	5 1/3	131,5	5 1/3	D2S+
145,0	5 3/4	141,0	5 1/2	D2S+
157,5	6 1/5	153,5	6	D2S+



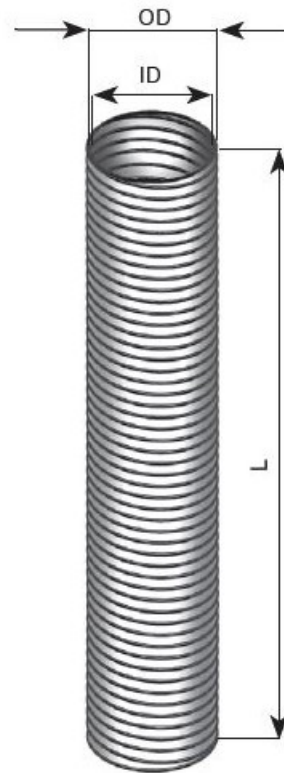
L - compressed length



Max temperature 550 degrees - corrosion can occur at high temperatures.

## INOX

OD mm	OD Inch	ID mm	ID Inch	Flex
29,0	1 1/7	25,0	1	D2S
36,0	1 2/5	32,0	1 1/4	D2S
43,0	1 5/7	39,0	1 1/2	D2S
46,0	1 4/5	42,0	1 5/8	D2S
49,0	1 9/10	45,0	1 3/4	D2S
55,0	2 1/6	51,0	2	D2S
58,0	2 1/4	54,0	2 1/8	D2S
62,0	2 2/5	58,0	2 1/4	D2S
65,0	2 1/2	61,0	2 3/8	D2S
68,0	2 1/6	64,0	2 1/2	D2S
70,0	2 5/7	66,0	2 5/8	D2S
74,0	2 9/10	70,0	2 3/4	D2S
81,1	3 1/5	77,1	3	D2S+
85,0	3 1/3	81,0	3 1/8	D2S+
90,0	3 1/2	86,0	3 2/5	D2S
92,9	3 5/7	88,9	3 1/2	D2S+
93,9	3 5/7	89,9	3 1/2	D3S
105,0	4 1/8	101,0	3 7/8	D2S+
106,7	4 1/5	102,7	4	D2S+
106,7	4 1/2	102,7	4	D3S
112,0	4 2/5	108,0	4 1/4	D2S
114,0	4 1/2	110,0	4 3/8	D2S+
119,5	4 5/7	115,5	4 1/2	D2S+
125,2	4 9/10	121,2	4 3/4	D2S+
130,5	5 1/8	126,5	5	D2S
132,3	5 1/5	128,3	5	D2S+
132,3	5 1/5	128,3	5	D3S
135,5	5 1/3	131,5	5 1/8	D2S
144,0	5 2/3	140,0	5 1/2	D2S+
157,5	6 1/5	153,5	6	D2S+

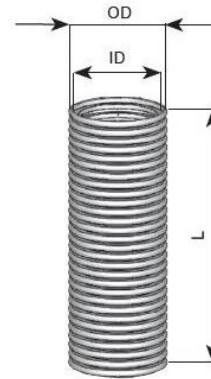


*L - compressed length*



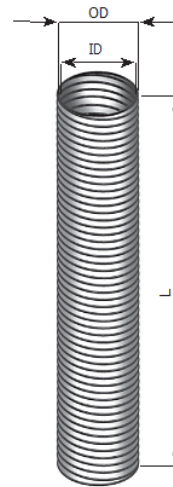
### INOX - Convolut Flex

L mm	OD mm	OD Inch	ID mm	ID Inch
1000	103,0	4	77,0	3
1000	115,0	4 1/2	90,0	3 1/2
1000	12,08	5	103,0	4



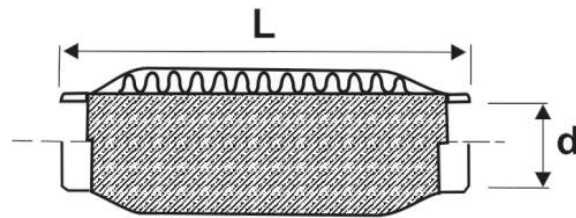
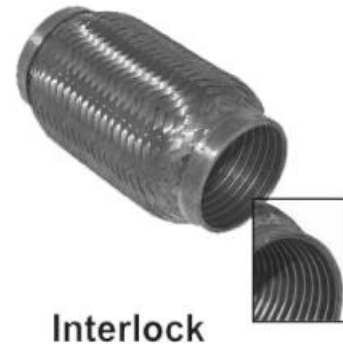
### INOX (L<1000 mm)

L mm	OD mm	ID mm	ID Inch	Flex
410	55,0	51,0	2	D2S
450	65,0	61,0	2 3/8	D2S
450	68,0	64,0	2 1/2	D2S
250	74,0	70,0	2 3/4	D2S
224	81,0	77,0	3	D2S+
326	81,0	77,0	3	D2S+
450	81,0	77,0	3	D2S
195	94,0	90,0	3 1/2	D2S
210	94,0	90,0	3 1/2	D2S+
258	94,0	90,0	3 1/2	D2S+
365	94,0	90,0	3 1/2	D2S+
392	94,0	90,0	3 1/2	D2S+
450	94,0	90,0	3 1/2	D2S
285	105,0	101,0	3 7/8	D2S
375	105,0	101,0	3 7/8	D2S
334	106,7	102,7	4	D2S+
238	107,0	103,0	4	D2S+
258	107,0	103,0	4	D2S+
420	107,0	103,0	4	D2S+
542	107,0	103,0	4	D2S+
513	107,0	103,0	4	D2S+
315	115,0	111,0	4 3/8	D2S+
262	119,0	115,0	4 1/2	D2S+
306	119,0	115,0	4 1/2	D2S+
296	119,0	115,0	4 1/2	D2S+
373	119,0	115,0	4 1/2	D2S+
440	119,0	115,0	4 1/2	D2S
450	119,0	115,0	4 1/2	D2S
500	119,0	115,0	4 1/2	D2S
233	119,5	115,9	4 1/2	D2S+
382	125,5	121,5	4 3/4	D2S+
124	132,3	128,3	5 1/16	D2S+
295	132,3	128,3	5 1/16	D2S+
513	132,0	128,0	5	D2S+



Max temperature 550 degrees.





**dxL**

31 x 200 mm

34 x 200 mm

38 x 94 mm

38 x 100 mm

38 x 150 mm

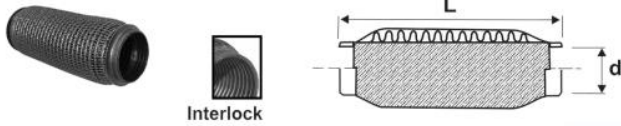
38 x 200 mm

38 x 230 mm

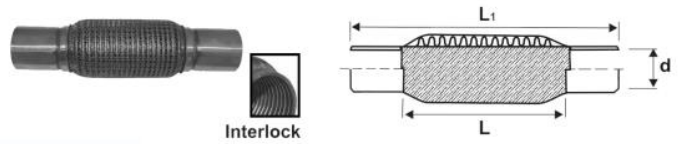
38 x 260 mm

S.NO.	<i>dxL</i>	S.NO.	<i>dxL</i>	S.NO.	<i>dxL</i>	S.NO.	<i>dxL</i>
1	38 x 280 mm	21	45 x 100 mm	41	48 x 320 mm	61	50 x 250 mm
2	38 x 320 mm	22	45 x 110 mm	42	48 x 400 mm	62	50 x 280 mm
3	40 x 100 mm	23	45 x 120 mm	43	50 x 50 mm	63	50 x 320 mm
4	40 x 160 mm	24	45 x 150 mm	44	50 x 70 mm	64	50 x 400 mm
5	40 x 200 mm	25	45 x 190 mm	45	50 x 75 mm	65	52 x 100 mm
6	40 x 230 mm	26	45 x 200 mm	46	50 x 90 mm	66	52 x 150 mm
7	40 x 260 mm	27	45 x 230 mm	47	50 x 100 mm	67	52 x 200 mm
8	40 x 280 mm	28	45 x 250 mm	48	50 x 120 mm	68	52 x 210 mm
9	40 x 320 mm	29	45 x 260 mm	49	50 x 150 mm	69	52 x 240 mm
10	40 x 350 mm	30	45 x 280 mm	50	50 x 160 mm	70	52 x 250 mm
11	42 x 93 mm	31	45 x 320 mm	51	50 x 165 mm	71	54 x 75 mm
12	42 x 93 mm	32	45 x 330 mm	52	50 x 190 mm	72	55 x 90 mm
13	42 x 101 mm	33	48 x 75 mm	53	50 x 200 mm	73	55 x 100 mm
14	42 x 150 mm	34	48 x 100 mm	54	50 x 230 mm	74	55 x 105 mm
15	43 x 100 mm	35	48 x 150 mm	55	50 x 240 mm	75	55 x 120 mm
16	43 x 150 mm	36	48 x 160 mm	56	50 x 250 mm	76	55 x 150 mm
17	43 x 200 mm	37	48 x 200 mm	57	50 x 280 mm	77	55 x 170 mm
18	43 x 250 mm	38	48 x 230 mm	58	50 x 320 mm	78	55 x 190 mm
19	43 x 262 mm	39	48 x 250 mm	59	50 x 400 mm	79	55 x 200 mm
20	45 x 94 mm	40	48 x 280 mm	60	52 x 100 mm	80	55 x 230 mm
S.NO.	<i>dxL</i>	S.NO.	<i>dxL</i>	S.NO.	<i>dxL</i>	S.NO.	<i>dxL</i>
81	55 x 250 mm	101	60 x 200 mm	121	70 x 70 mm	141	108 x 200 mm
82	55 x 280 mm	102	60 x 230 mm	122	70 x 150 mm	142	108 x 300 mm
83	55 x 320 mm	103	60 x 250 mm	123	70 x 200 mm	143	125 x 200 mm
84	55 x 330 mm	104	60 x 255 mm	124	70 x 250 mm		
85	56 x 105 mm	105	60 x 280 mm	125	75 x 100 mm		
86	56 x 150 mm	106	64 x 100 mm	126	75 x 110 mm		
87	56 x 280 mm	107	64 x 101 mm	127	75 x 115 mm		
88	57 x 75 mm	108	64 x 117 mm	128	75 x 150 mm		
89	57 x 100 mm	109	64 x 120 mm	129	75 x 200 mm		
90	57 x 102 mm	110	64 x 150 mm	130	75 x 225 mm		
91	57 x 150 mm	111	64 x 190 mm	131	75 x 250 mm		
92	57 x 200 mm	112	64 x 200 mm	132	80 x 150 mm		
93	57 x 230 mm	113	64 x 220 mm	133	80 x 200 mm		
94	57 x 250 mm	114	64 x 230 mm	134	90 x 100 mm		
95	57 x 280 mm	115	64 x 250 mm	135	90 x 150 mm		
96	60 x 70 mm	116	64 x 280 mm	136	90 x 200 mm		
97	60 x 100 mm	117	65 x 150 mm	137	102 x 150 mm		
98	60 x 115 mm	118	65 x 200 mm	138	102 x 200 mm		
99	60 x 150 mm	119	65 x 230 mm	139	102 x 250 mm		
100	60 x 190 mm	120	65 x 250 mm	140	105 x 300 mm		

**Superflex**



**Superflex with pipes**



Full Screen Strip

**Superflex**

**dxL**

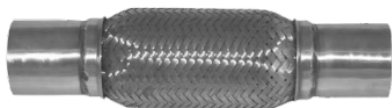
- 38 x 170 mm
- 40 x 170 mm
- 42 x 170 mm
- 45 x 170 mm
- 45 x 200 mm
- 45 x 250 mm
- 48 x 150 mm
- 50 x 170 mm
- 50 x 205 mm
- 52 x 170 mm
- 55 x 170 mm
- 60 x 180 mm
- 60 x 190 mm
- 60 x 230 mm

**Superflex with pipes**

**dxLxL1**

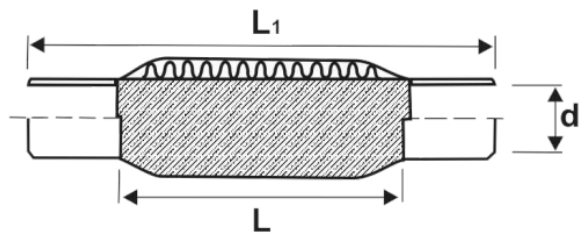
- 38 x 170 x 290 mm
- 40 x 170 x 290 mm
- 42 x 170 x 290 mm
- 42 x 200 x 320 mm
- 44 x 170 x 290 mm
- 45 x 170 x 290 mm
- 45 x 200 x 260 mm
- 45 x 200 x 320 mm
- 48 x 150 x 290 mm
- 50 x 170 x 290 mm
- 50 x 205 x 265 mm
- 52 x 170 x 290 mm
- 55 x 170 x 290 mm
- 60 x 180 x 240 mm
- 60 x 190 x 310 mm

**with pipes /**



Inner Braid

Interlock



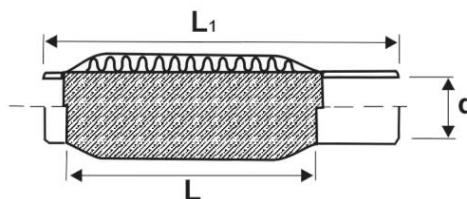
S.NO.	dxLxL1	S.NO.	dxLxL1	S.NO.	dxLxL1	S.NO.	dxLxL1
1	35 x 200 x 250 mm	21	45 x 150 x 270 mm	41	48 x 200 x 320 mm	61	55 x 100 x 220 mm
2	35 x 209 x 253 mm	22	45 x 150 x 280 mm	42	48 x 200 x 330 mm	62	55 x 105 x 285 mm
3	38 x 80 x 150 mm	23	45 x 150 x 290 mm	43	50 x 100 x 280 mm	63	55 x 150 x 270 mm
4	38 x 100 x 220 mm	24	45 x 150 x 364 mm	44	50 x 150 x 270 mm	64	55 x 150 x 280 mm
5	38 x 152 x 282 mm	25	45 x 165 x 272 mm	45	50 x 155 x 315 mm	65	55 x 195 x 365 mm
6	38 x 200 x 330 mm	26	45 x 190 x 300 mm	46	50 x 160 x 270 mm	66	55 x 200 x 320 mm
7	40 x 94 x 274 mm	27	45 x 190 x 360 mm	47	50 x 170 x 280 mm	67	55 x 200 x 330 mm
8	40 x 100 x 220 mm	28	45 x 200 x 300 mm	48	50 x 200 x 300 mm	68	55 x 200 x 340 mm
9	40 x 200 x 320 mm	29	45 x 200 x 320 mm	49	50 x 200 x 320 mm	69	55 x 230 x 370 mm
10	42 x 94 x 274 mm	30	45 x 200 x 340 mm	50	50 x 200 x 340 mm	70	57 x 110 x 150 mm
11	42 x 100 x 220 mm	31	45 x 210 x 372 mm	51	50 x 200 x 360 mm	71	57 x 152 x 282 mm
12	42 x 150 x 272 mm	32	45 x 230 x 410 mm	52	50 x 250 x 390 mm	72	60 x 116 x 220 mm
13	42 x 150 x 290 mm	33	45 x 250 x 370 mm	53	52 x 100 x 220 mm	73	60 x 120 x 300 mm
14	42 x 200 x 320 mm	34	45 x 250 x 390 mm	54	52 x 100 x 240 mm	74	60 x 200 x 250 mm
15	42 x 200 x 340 mm	35	48 x 100 x 220 mm	55	52 x 105 x 275 mm	75	60 x 200 x 270 mm
16	42 x 250 x 390 mm	36	48 x 100 x 270 mm	56	52 x 150 x 270 mm	76	60 x 200 x 320 mm
17	45 x 94 x 274 mm	37	48 x 100 x 280 mm	57	52 x 150 x 290 mm	77	65 x 200 x 320 mm
18	45 x 100 x 220 mm	38	48 x 115 x 160 mm	58	52 x 200 x 320 mm	78	70 x 150 x 270 mm
19	45 x 110 x 150 mm	39	48 x 150 x 272 mm	59	52 x 200 x 340 mm		
20	45 x 140 x 272 mm	40	48 x 161 x 210 mm	60	53 x 200 x 350 mm		

**with pipe**



Inner Braid

Interlock



**with pipe**

**dxLxL1**

35 x 200 x 315 mm

45 x 94 x 179 mm

45 x 200 x 270 mm

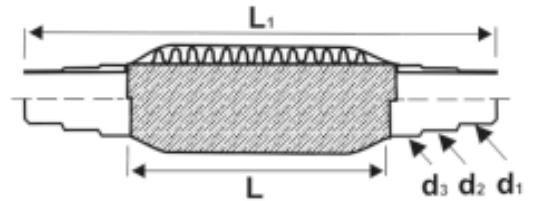
50 x 100 x 185 mm

50 x 190 x 275 mm

50 x 240 x 325 mm

52 x 242 x 327 mm

**with graded pipes**



**with graded pipes**

**d1/d2/d3xLxL1**

- 38/40/42 x 100 x 400 mm
- 42/45/48 x 101 x 400 mm
- 42/45/48 x 200 x 400 mm
- 45/48/50 x 101 x 400 mm
- 45/48/51 x 100 x 400 mm
- 45/48/51 x 150 x 240 mm
- 45/48/51 x 200 x 400 mm
- 45/48/53 x 105 x 350 mm
- 45/48/55 x 100 x 400 mm
- 45/48/55 x 105 x 390 mm
- 45/48/55 x 200 x 400 mm
- 48/50/55 x 105 x 400 mm
- 48/51/53 x 100 x 400 mm
- 49/52/59 x 100 x 400 mm
- 49/52/59 x 200 x 400 mm
- 50/52/55 x 120 x 400 mm
- 50/55/60 x 120 x 400 mm
- 51/53/58 x 105 x 400 mm
- 53/58/55 x 200 x 400 mm
- 53/58/63 x 120 x 400 mm
- 55/60/70 x 152 x 400 mm
- 58/63/73 x 150 x 400 mm
- 60/70/76 x 152 x 400 mm
- 63/73/79 x 150 x 400 mm

**LKW**



**dxL**

- 75 x 250 mm
- 85 x 250 mm
- 89 x 250 mm

BMW 1 120 I 115 KW 03/2007 - 09/2012  
 BMW 1 120 I 125 KW 10/2007 - 10/2013  
 BMW 3 320 I 125 KW 03/2007 - 10/2013  
 BMW 3 320 I 120 KW 01/2007 - 12/2013  
 BMW 3 TOURING 320 I 125 KW 02/2007 - 12/2012



Flex + CF Kit

BMW 1 116 I 90 KW 03/2007 - 12/2011  
 BMW 1 118 I 105 KW 09/2006 - 12/2013  
 BMW 3 316 I 90 KW 09/2007 - 06/2013  
 BMW 3 318 I 105 KW 09/2007 - 12/2013  
 BMW 3 320 I 125 KW 09/2007 - 10/2011



Flex + CF Kit

BMW 5 525 D 120 KW 02/2000 - 06/2003  
 BMW 5 530 D 135 KW 08/1998 - 06/2003  
 BMW 5 TOURING 525 D 120 KW 02/2000 - 05/2004  
 BMW 5 TOURING 530 D 135 KW 08/1998 - 05/2004



Flex + CF Kit

BMW 5 525 D 120 KW 02/2000 - 06/2003  
 BMW 5 530 D 135 KW 08/1998 - 06/2003  
 BMW 5 TOURING 525 D 120 KW 02/2000 - 05/2004  
 BMW 5 TOURING 530 D 135 KW 08/1998 - 05/2004



Flex + CF Kit

BMW 5 525 D 120 KW 02/2000 - 06/2003  
 BMW 5 530 D 135 KW 08/1998 - 06/2003  
 BMW 5 TOURING 525 D 120 KW 02/2000 - 05/2004  
 BMW 5 TOURING 530 D 135 KW 08/1998 - 05/2004



Flex + CF Kit

BMW 1 116 D 85 KW 11/2008 - 12/2011  
 BMW 1 118 D 105 KW 09/2006 - 12/2013  
 BMW 1 118 D 100 KW 03/2007 - 10/2013  
 BMW 1 120 D 120 KW 06/2004 - 12/2011  
 BMW 1 120 D 130 KW 09/2007 - 12/2013



Flex + CF Kit

BMW 5 535 D 200 KW 09/2004 - 03/2010  
 BMW 5 TOURING 535 D 200 KW 09/2004 - 12/2010



Flex + CF Kit

BMW 3 325 D 150 KW 09/2009 - 12/2013  
 BMW 3 330 D 180 KW 09/2008 - 12/2013  
 BMW 3 330 D XDRIVE 180 KW 09/2008 - 10/2011  
 BMW 3 335 D 210 KW 03/2006 - 03/2013  
 BMW 3 330 XD 180 KW 03/2008 - 02/2010



Flex + CF Kit

Audi A3 1.6 74 KW 09/1996 - 05/2003  
 Seat LEON 1.6 74 KW 11/1999 - 06/2006  
 Seat TOLEDO II 1.6 74 KW 10/1998 - 07/2004  
 Skoda OCTAVIA I 1.6 74 KW 02/1997 - 12/2007  
 VW BORA 1.6 74 KW 10/1998 - 05/2005



Flex + CF Kit

VW GOLF III 1.8 66 KW 11/1991 - 04/1999  
 VW PASSAT 1.8 55 KW 08/1990 - 08/1996  
 VW PASSAT B3B4 1.8 55 KW 08/1990 - 05/1997  
 VW PASSAT VARIANT 1.8 55 KW 08/1990 - 05/1997  
 VW VENTO 1.8 66 KW 11/1991 - 09/1998



Flex + CF Kit

Seat CORDOBA 1.9 D 47 KW 01/1996 - 08/1996  
 Seat CORDOBA 1.9 SDI 47 KW 08/1996 - 06/1999  
 Seat CORDOBA VARIO 1.9 SDI 47 KW 09/1996 -  
 Seat IBIZA II 1.9 D 47 KW 04/1993 - 08/1996  
 Seat IBIZA II 1.9 SDI 47 KW 08/1996 - 08/1999



Flex + CF Kit

Audi A3 1.8 92 KW 09/1996 - 05/2003  
 Seat LEON 1.8 20V 92 KW 11/1999 - 06/2006  
 Seat TOLEDO II 1.8 20V 92 KW 10/1998 - 07/2004  
 Skoda OCTAVIA I 1.8 92 KW 09/1996 - 07/2000  
 Skoda OCTAVIA I 1.8 20V 92 KW 07/1998 - 07/2000



Flex + CF Kit

Audi A3 1.6 74 KW 09/1996 - 05/2003  
 Seat LEON 1.6 74 KW 11/1999 - 06/2006  
 Seat TOLEDO II 1.6 74 KW 10/1998 - 07/2004  
 Skoda OCTAVIA I 1.6 74 KW 02/1997 - 12/2007  
 VW BORA 1.6 74 KW 10/1998 - 05/2005



Flex + CF Kit

Seat ALHAMBRA 2.0 I 85 KW 04/1996 - 03/2010  
 VW SHARAN 2.0 85 KW 09/1995 - 03/2010



Flex + CF Kit

Seat CORDOBA 1.2 47 KW 10/2002 - 06/2006  
 Seat CORDOBA 1.2 12V 51 KW 05/2006 - 11/2009  
 Seat IBIZA III 1.2 47 KW 02/2002 - 05/2008  
 Seat IBIZA III 1.2 12V 51 KW 05/2006 - 11/2009  
 Seat IBIZA IV 1.2 51 KW 03/2008 - 05/2015



Flex + CF Kit

VW POLO CLASSIC 100 1.6 74 KW 12/1995 - 09/2001  
 VW POLO III 100 1.6 74 KW 12/1995 - 09/2001  
 VW POLO VARIANT 1.6 55 KW 05/1997 - 09/2001



Flex + CF Kit

Audi A4 1.6 74 KW 11/1994 - 10/2000  
 Audi A4 1.8 92 KW 11/1994 - 11/2000  
 Audi A4 1.8 QUATTRO 92 KW 01/1995 - 11/2000  
 Audi A4 AT 1.6 74 KW 11/1994 - 09/2001  
 Audi A4 AT 1.8 92 KW 02/1996 - 09/2001



Flex + CF Kit

Fiat CROMA 2.2 16V 108 KW 06/2005 -  
 Opel SIGNUM HATCHBACK 2.2 DIRECT 114 KW  
 Opel SIGNUM LIFTBACK 2.2 DIRECT 114 KW 05/2003 -  
 Opel VECTRA C 2.2 16V 108 KW 04/2002 - 12/2008  
 Opel VECTRA C 2.2 DGI 114 KW 10/2003 - 08/2008



Flex + CF Kit

Audi A3 1.6 FSI 85 KW 08/2003 - 09/2007  
 Audi A3 SPORTBACK 1.6 FSI 85 KW 09/2004 -  
 Opel VECTRA B 1.6 I 16V 74 KW 10/1995 - 07/2002  
 Opel VECTRA B 1.8 I 16V 85 KW 10/1995 - 09/2000  
 Opel VECTRA B 2.0 I 16V 100 KW 09/1995 - 09/2000



Flex + CF Kit

Opel ASTRA G 1.8 16V 85 KW 02/1998 - 10/2000  
 Opel ASTRA G 1.4 16V 66 KW 02/1998 - 01/2005  
 Opel ASTRA G 1.6 55 KW 02/1998 - 09/2000  
 Opel ASTRA G 1.6 16V 74 KW 02/1998 - 01/2005  
 Opel ZAFIRA A 1.6 16V 74 KW 04/1999 - 06/2005



Flex + CF Kit

Ford FIESTA IV 1.25 I 16V 55 KW 08/1995 - 01/2002  
 Ford FIESTA IV 1.4 I 16V 66 KW 04/1996 - 01/2002  
 Ford PUMA 1.4 16V 66 KW 11/1997 - 10/2000  
 Mazda 121 III 1.25 55 KW 03/1996 - 04/2003



Flex + CF Kit

MERCEDES-BENZ SPRINTER 3,5-T 310 CDI 70 KW  
 MERCEDES-BENZ SPRINTER 3,5-T 311 CDI 80 KW  
 MERCEDES-BENZ SPRINTER 3,5-T 313 CDI 95 KW  
 MERCEDES-BENZ SPRINTER 3,5-T 313 CDI 4X4 95 KW  
 MERCEDES-BENZ SPRINTER 3,5-T 314 CDI 105 KW



Flex + CF Kit

MERCEDES-BENZ SPRINTER 3,5-T 310 CDI 70 KW  
 MERCEDES-BENZ SPRINTER 3,5-T 313 CDI 95 KW  
 MERCEDES-BENZ SPRINTER 3,5-T 313 CDI 4X4 95 KW  
 MERCEDES-BENZ SPRINTER 3,5-T 316 CDI 120 KW  
 MERCEDES-BENZ SPRINTER 3,5-T 316 CDI 4X4 120



Flex + CF Kit

Citroen C5 I 1.8 16V 85 KW 03/2001 - 08/2004  
 Citroen C5 I 2.0 16V 100 KW 03/2001 - 08/2004  
 Peugeot 307 2.0 16V 100 KW 08/2000 - 06/2005  
 Peugeot 307 BREAK 2.0 100 KW 03/2002 - 06/2005  
 Peugeot 307 CC 2.0 16V 100 KW 10/2003 - 06/2005



Flex + CF Kit

Citroen C4 2.0 16V 100 KW 11/2004 - 07/2007  
 Citroen C4 I 2.0 16V 100 KW 11/2004 - 07/2007  
 Citroen C5 I 1.8 16V 85 KW 03/2001 - 08/2004  
 Citroen C5 I 2.0 16V 100 KW 03/2001 - 08/2004  
 Citroen CB 2.0 100 KW 07/2002 -



Flex + CF Kit

Citroen C3 AIRCROSS 1.2 PURETECH 110 81 KW  
 Citroen C3 AIRCROSS 1.2 PURETECH 130 96 KW  
 Citroen C3 II 1.4 LPG 70 KW 06/2013 -  
 Citroen C3 II 1.4 VTI 95 70 KW 11/2009 -  
 Citroen C3 II 1.6 VTI 120 88 KW 11/2009 -



Flex + CF Kit

Renault LAGUNA II 1.6 16V 79 KW 03/2001 - 12/2007  
 Renault LAGUNA II 1.8 16V 85 KW 03/2001 - 12/2007  
 Renault LAGUNA II 1.8 16V 88 KW 03/2001 - 05/2005



Flex + CF Kit

Renault LAGUNA II 1.6 16V 79 KW 03/2001 - 08/2007  
 Renault LAGUNA II 1.8 16V 86 KW 03/2001 - 12/2007  
 Renault LAGUNA II 2.0 16V 99 KW 08/2002 - 12/2007  
 Renault LAGUNA II 2.0 16V IDE 103 KW 04/2001 -  
 Renault LAGUNA II 1.6 16V 82 KW 03/2001 - 12/2007



Flex + CF Kit

Audi A4 1.6 74 KW 11/1994 - 10/2000  
 Audi A4 B5 1.6 74 KW 11/1994 - 10/2000  
 Renault MEGANE I 1.4 E 55 KW 01/1996 - 08/2003  
 Renault MEGANE I 1.4 ECO 52 KW 01/1996 - 03/1999  
 Renault MEGANE I 1.6 E 66 KW 01/1996 - 08/2003



Flex + CF Kit

Renault GRAND SCÉNIC 1.6 83 KW 04/2004 -  
 Renault GRAND SCÉNIC 2.0 120 KW 04/2004 -  
 Renault MEGANE II 1.6 16V 82 KW 11/2002 - 08/2009  
 Renault MEGANE II 2.0 16V 99 KW 11/2002 - 02/2008  
 Renault MEGANE II 2.0 16V TURBO 120 KW 05/2004 -



Flex + CF Kit

Renault MEGANE 1.4 16V 70 KW 03/1999 - 08/2003  
 Renault MEGANE 1.8 16V 85 KW 01/2001 - 08/2003  
 Renault MEGANE 1.9 DCI 75 KW 02/2001 - 08/2003  
 Renault MEGANE 1.9 DTI 59 KW 02/2001 - 08/2003  
 Renault MEGANE 1.6 16V 79 KW 03/1999 - 08/2003



Flex + CF Kit

Citroen CS 1 2.0 HDI 80 KW 03/2001 - 08/2004  
 Citroen CS 1 2.2 HDI 98 KW 03/2001 - 08/2004  
 Citroen CS 1 2.0 HDI 79 KW 06/2001 - 08/2004



Flex + CF Kit

Citroen CS 1 1.8 16V 85 KW 03/2001 - 08/2004  
 Citroen CS 1 2.0 16V 100 KW 03/2001 - 08/2004  
 Peugeot 406 2.0 16V 100 KW 08/2000 - 12/2004  
 Peugeot 406 BREAK 2.0 16V 100 KW 10/2000 -



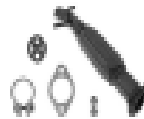
Flex + CF Kit

Flat SEICENTO 0.9 29 KW 11/1997 - 12/2008



Flex + CF Kit

Flat 500 1.4 74 KW 10/2007 -  
 Flat 500 C 1.4 74 KW 09/2009 -  
 Flat PANDA 1.4 74 KW 10/2006 -



Flex + CF Kit

Flat PALIO WEEKEND 1.6 16V 74 KW 05/1996 -



Flex + CF Kit

Volvo 850 2.0 93 KW 08/1994 - 12/1996  
 Volvo 850 2.4 103 KW 06/1991 - 12/1996  
 Volvo 850 2.4 125 KW 09/1992 - 12/1996  
 Volvo C70 I 2.4 125 KW 06/1998 - 10/2005  
 Volvo C70 I 2.4 121 KW 03/1999 - 09/2002



Flex + CF Kit

Jaguar S-TYPE 2.7 D 152 KW 06/2004 - 10/2007  
 Jaguar S-TYPE II 2.7 D 152 KW 06/2004 - 10/2007  
 Jaguar XF 2.7 D 152 KW 03/2008 - 04/2015  
 Jaguar XF I 2.7 D 152 KW 03/2008 - 04/2015  
 Jaguar XJ D 2.7 152 KW 10/2005 - 03/2009



Flex + CF Kit

## Dedicated flexible pipes

**d= 61,0mm L= 110,0mm L<sub>1</sub>= 210,0mm**

BMW 1 116 D 85 KW 11/2008 - 09/2012  
 BMW 1 118 D 105 KW 09/2006 - 12/2013  
 BMW 1 118 D 100 KW 03/2007 - 10/2013  
 KIT+Flex FA1 No.: KF100045



BMW - Interlock

**d= 52,5mm L= 190,0mm L<sub>1</sub>= 272,0mm**

BMW 5 S25 D 120 KW 02/2000 - 06/2003  
 BMW 5 S30 D 135 KW 08/1998 - 06/2003  
 BMW 5 TOURING S25 D 120 KW 02/2000 - 05/2004  
 KIT+Flex FA1 No.: KF100010



BMW - Interlock



**d= 52,5mm L= 190,0mm L<sub>1</sub>= 335,0mm**  
 BMW 5 525 D 120 KW 02/2000 - 06/2003  
 BMW 5 530 D 135 KW 08/1998 - 06/2003  
 BMW 5 TOURING 525 D 120 KW 02/2000 - 05/2004



BMW - Interlock

**d= 70,0mm L= 150,0mm L<sub>1</sub>= 295,0mm**  
 BMW 5 535 D 200 KW 09/2004 - 03/2010  
 BMW 5 TOURING 535 D 200 KW 09/2004 - 12/2010



BMW - Interlock

**d= 70,0mm L= 150,0mm L<sub>1</sub>= 275,0mm**  
 BMW 3 325 D 150 KW 09/2009 - 12/2013  
 BMW 3 330 D 180 KW 02/2008 - 12/2013  
 BMW 3 330 D XDRIVE 180 KW 09/2008 - 12/2011



BMW - Interlock

**d= 65,0mm L= 110,0mm L<sub>1</sub>= 265,0mm**  
 BMW 5 525 D 130 KW 06/2004 - 03/2010  
 BMW 5 530 D 160 KW 09/2002 - 09/2005  
 BMW 5 TOURING 525 D 130 KW 03/2004 - 03/2007



BMW - Interlock

**d= 64,0mm L= 110,0mm L<sub>1</sub>= 210,0mm**  
 BMW 1 114 D 70 KW 07/2012 - 06/2015  
 BMW 1 116 D 85 KW 12/2010 - 02/2015  
 BMW 1 118 D 100 KW 12/2010 - 06/2019



BMW - Interlock

**d= 60,5mm L= 115,0mm L<sub>1</sub>= 145,0mm**  
 BMW 1 116 I 90 KW 03/2007 - 12/2011  
 BMW 1 118 I 105 KW 09/2006 - 12/2013  
 BMW 3 316 I 90 KW 09/2007 - 06/2013



BMW - Interlock

**d= 52,5mm L= 190,0mm L<sub>1</sub>= 272,0mm**  
 BMW 5 525 D 120 KW 02/2000 - 06/2003  
 BMW 5 530 D 135 KW 08/1998 - 06/2003  
 BMW 5 TOURING 525 D 120 KW 02/2000 - 05/2004



BMW - Superflex

**d= 52,5mm L= 190,0mm L<sub>1</sub>= 335,0mm**  
 BMW 5 525 D 120 KW 02/2000 - 06/2003  
 BMW 5 530 D 135 KW 08/1998 - 06/2003  
 BMW 5 TOURING 525 D 120 KW 02/2000 - 05/2004



BMW - Superflex

**d= 55,5mm L= 100,0mm L<sub>1</sub>= 135,0mm**  
 BMW 1 120 I 110 KW 11/2003 - 09/2012  
 BMW 1 120 I 125 KW 09/2006 - 10/2013  
 BMW 3 320 I 125 KW 03/2007 - 10/2013



BMW - Superflex

**d= 57,5mm L= 250,0mm L<sub>1</sub>= 305,0mm**  
 Citroen CS 1 2.0 HDI 80 KW 03/2001 - 08/2004  
 Citroen CS 1 2.2 HDI 98 KW 03/2001 - 08/2004  
 Citroen CS 1 2.0 HDI 79 KW 06/2001 - 08/2004



Citroen - Inner Braid

**d= 45,5mm L= 90,0mm L<sub>1</sub>= 120,0mm**  
 Citroen CS 1 1.8 16V 85 KW 03/2001 - 08/2004  
 Citroen CS 1 2.0 16V 100 KW 03/2001 - 08/2004  
 Peugeot 406 2.0 16V 100 KW 08/2000 - 12/2004



Citroen - Peugeot - Interlock

**d= 45,5mm L= 90,0mm L<sub>1</sub>= 127,0mm**  
 Citroen CS 1 1.8 16V 85 KW 03/2001 - 08/2004  
 Citroen CS 1 2.0 16V 100 KW 03/2001 - 08/2004  
 Peugeot 406 2.0 16V 100 KW 08/2000 - 12/2004



Citroen - Peugeot - Interlock

**d= 54,5mm L= 130,0mm**  
 Citroen CS 1 1.8 16V 85 KW 03/2001 - 08/2004  
 Citroen CS 1 2.0 16V 100 KW 03/2001 - 08/2004  
 Peugeot 307 2.0 16V 100 KW 08/2000 - 06/2005



Citroen - Peugeot - Interlock

**d= 51,3mm L= 150,0mm L<sub>1</sub>= 305,0mm**  
 Citroen C3 AIRCROSS 1.2 PURETECH 110 81 KW  
 Citroen C4 CACTUS 1.2 THP 110 81 KW 09/2014 -  
 Citroen DS3 1.4 VTI 95 70 KW 04/2010 - 07/2015



Citroen - Peugeot - Interlock

**d= 44,0mm d<sub>1</sub>= 58,0mm L= 210,0mm**  
 Fiat Punto



Fiat - Inner Braid

**d= 44,0mm d<sub>1</sub>= 58,0mm L= 230,0mm**  
 Fiat Punto



Fiat - Inner Braid

**d= 44,0mm d<sub>1</sub>= 58,0mm L= 210,0mm**  
Fiat Punto



Fiat - Inner Braid

**d= 44,5mm L= 115,0mm**  
Fiat SEICENTO 0.9 29 KW 11/1997 - 01/2010



Fiat - Inner Braid

**d= 32,0mm d<sub>1</sub>= 45,5mm L= 200,0mm L<sub>1</sub>= 345,0mm**  
Fiat Cinquecento



Fiat - Inner Braid

**d= 35,0mm d<sub>1</sub>= 45,5mm L= 230,0mm L<sub>1</sub>= 315,0mm**  
Fiat Cinquecento



Fiat - Inner Braid

**d= 44,0mm d<sub>1</sub>= 58,0mm L= 210,0mm**  
Fiat Punto



Fiat - Interlock

**d= 44,0mm d<sub>1</sub>= 58,0mm L= 230,0mm**  
Fiat Punto



Fiat - Interlock

**d= 44,0mm d<sub>1</sub>= 58,0mm L= 210,0mm**  
Fiat Punto



Fiat - Interlock

**d= 51,3mm L= 95,0mm**  
Fiat PALIO WEEKEND 1.6 16V 74 KW 04/1996 -



Fiat - Interlock

**d= 46,0mm L= 200,0mm L<sub>1</sub>= 450,0mm**  
Fiat 500 1.4 74 KW 10/2007 -  
Fiat 500 C 1.4 74 KW 09/2009 -  
Fiat PANDA 1.4 74 KW 10/2006 -



Fiat - Interlock

**d= 45,5mm L= 290,0mm**  
Ford FIESTA IV 1.25 I 16V 55 KW 08/1995 - 01/2002  
Ford FIESTA IV 1.4 I 16V 66 KW 04/1996 - 01/2002  
Ford PUMA 1.4 16V 66 KW 11/1997 - 10/2000



Ford - Mazda - Inner Braid

**d= 42mm L= 40mm**  
Jaguar S-TYPE 2.7 D 152 KW 06/2004 - 10/2007  
Jaguar S-TYPE II 2.7 D 152 KW 06/2004 - 10/2007  
Jaguar XF 2.7 D 152 KW 03/2008 - 04/2015



Jaguar

**d= 50,0mm L= 210,0mm L<sub>1</sub>= 375,0mm**  
Linde



Linde - Interlock

**d= 43,0mm L= 100,0mm L<sub>1</sub>= 220,0mm**  
MERCEDES-BENZ C-CLASS C 320 CDI 165 KW 01/2007  
MERCEDES-BENZ C-CLASS C 320 CDI 4-MATIC 165  
MERCEDES-BENZ C-CLASS C 350 CDI 165 KW



Mercedes - Interlock

**d= 76,0mm L= 80,0mm**  
MERCEDES-BENZ SPRINTER 3,5-T 310 CDI 70 KW  
MERCEDES-BENZ SPRINTER 3,5-T 313 CDI 95 KW  
MERCEDES-BENZ SPRINTER 3,5-T 313 CDI 4X4 95 KW



MERCEDES-BENZ

**d= 60,5mm L= 205,0mm L<sub>1</sub>= 255,0mm**  
MERCEDES-BENZ SPRINTER 3,5-T 310 CDI 70 KW  
MERCEDES-BENZ SPRINTER 3,5-T 311 CDI 80 KW  
MERCEDES-BENZ SPRINTER 3,5-T 313 CDI 95 KW



MERCEDES-BENZ

**d= 52,7mm L= 200,0mm L<sub>1</sub>= 390,0mm**  
Fiat CROMA 2.2 16V 108 KW 06/2005 -  
Opel SIGNUM 2.2 DIRECT 114 KW 05/2003 -  
Opel SIGNUM HATCHBACK 2.2 DIRECT 114 KW



Opel - Interlock

**d= 51,3mm L= 101,6mm**

Renault ESPACE III 2.0 102 KW 09/2001 - 10/2002  
Renault ESPACE III 2.0 16V 103 KW 10/1998 - 10/2002



Renault - Interlock

**d= 51,3mm L= 101,6mm**

Renault MEGANE I 1.4 16V 70 KW 03/1999 - 08/2003  
Renault MEGANE I 1.8 16V 85 KW 01/2001 - 08/2003  
Renault MEGANE I 1.9 DCI 75 KW 02/2001 - 08/2003



Renault - Interlock

**d= 51,3mm L= 101,6mm**

Renault GRAND SCÉNIC 1.6 83 KW 04/2004 -  
Renault GRAND SCÉNIC 2.0 120 KW 04/2004 -  
Renault MEGANE II 1.6 16V 82 KW 11/2002 - 08/2009



Renault - Interlock

**d= 51,3mm L= 120,0mm**

Renault LAGUNA II 1.6 16V 79 KW 03/2001 - 08/2007  
Renault LAGUNA II 1.8 16V 86 KW 03/2001 - 12/2007  
Renault LAGUNA II 2.0 16V 99 KW 08/2002 - 12/2007



Renault - Interlock

**d= 51,3mm L= 101,6mm L<sub>1</sub>= 270,0mm**

Renault MEGANE I 1.4 E 55 KW 01/1996 - 08/2003  
Renault MEGANE I 1.4 ECO 52 KW 01/1996 - 03/1999  
Renault MEGANE I 1.6 E 66 KW 01/1996 - 08/2003



Renault - Interlock

**d= 46,5mm L= 50,0mm**

Audi A3 1.8 92 KW 09/1996 - 05/2003  
Seat LEON 1.8 20V 92 KW 11/1999 - 06/2006  
Seat TOLEDO II 1.8 20V 92 KW 10/1998 - 07/2004



VAG

**d= 45,5mm L= 95,0mm**

VW POLO CLASSIC 100 1.6 74 KW 12/1995 - 09/2001  
VW POLO III 100 1.6 74 KW 12/1995 - 09/2001  
VW POLO VARIANT 1.6 55 KW 05/1997 - 09/2001  
KIT+Flex FA1 No.: KF110070  
KIT FA1 No.: CF110030



VAG

**d= 45,5mm L= 95,0mm**

VAG



VAG

**d= 45,5mm L= 95,0mm**

Audi A3 1.6 74 KW 09/1996 - 05/2003  
Seat LEON 1.6 74 KW 11/1999 - 06/2006  
Seat TOLEDO II 1.6 74 KW 10/1998 - 07/2004  
KIT+Flex FA1 No.: KF110025  
KIT FA1 No.: CF110010



VAG

**d= 25,5mm L= 155,0mm**

Audi 80 1.3 40 KW 09/1978 - 07/1981  
Audi 80 B2 1.3 40 KW 09/1978 - 07/1981  
VW DERBY 0.9 29 KW 02/1977 - 09/1981



VAG - Interlock

**d= 45,5mm L= 94,0mm**

VW GOLF III 1.8 66 KW 11/1991 - 04/1999  
VW PASSAT 1.8 55 KW 08/1990 - 08/1996  
VW PASSAT B3B4 1.8 55 KW 08/1990 - 05/1997



VAG - Interlock

**d= 46,5mm L= 95,0mm**

Seat CORDOBA 1.9 D 47 KW 01/1996 - 08/1996  
Seat CORDOBA 1.9 SDI 47 KW 08/1996 - 06/1999  
Seat CORDOBA VARIO 1.9 SDI 47 KW 09/1996 -



VAG - Interlock

**d= 46,5mm L= 124,2mm**

Audi A3 1.6 74 KW 09/1996 - 05/2003  
Seat LEON 1.6 74 KW 11/1999 - 06/2006  
Seat TOLEDO II 1.6 74 KW 10/1998 - 07/2004



VAG - Interlock

**d= 54,5mm L= 115,0mm**

Audi A4 1.6 74 KW 11/1994 - 10/2000  
Audi A4 1.8 92 KW 11/1994 - 11/2000  
Audi A4 1.8 QUATTRO 92 KW 01/1995 - 11/2000



VAG - Interlock

**d= 45,5mm L= 101,6mm**

Seat ALHAMBRA 2.0 I 85 KW 04/1996 - 03/2010  
VW SHARAN 2.0 85 KW 09/1995 - 03/2010



VAG - Interlock

**d= 45,5mm L= 300,0mm**

Seat CORDOBA 1.2 47 KW 10/2002 - 06/2006  
Seat CORDOBA 1.2 12V S1 KW 05/2006 - 11/2009  
Seat IBIZA III 1.2 47 KW 02/2002 - 05/2008



VAG - Interlock

d= 60,5mm L= 115,0mm

Volvo 850 2.0 93 KW 08/1994 - 12/1996  
 Volvo 850 2.4 103 KW 06/1991 - 12/1996  
 Volvo 850 2.5 103 KW 06/1991 - 12/1996



Volvo - Interlock

**Sealing rings**

**Sealing rings**



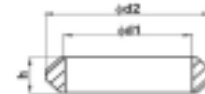
TYPE A



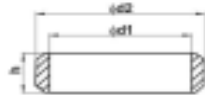
TYPE B



TYPE C



TYPE D



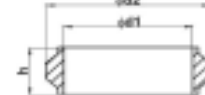
TYPE E



TYPE F



TYPE G



TYPE H

**Sealing rings**

d1xd2xh
32.0 x 38.5 x 21.5
32.0 x 43.5 x 11.0
32.0 x 45.0 x 14.0
35.0 x 46.0 x 10.5
35.0 x 46.0 x 13.0
35.0 x 46.0 x 15.1
35.0 x 55.0 x 7.0
35.5 x 43.2 x 4.2
36.0 x 43.5 x 4.0
36.0 x 49.0 x 5.5
36.0 x 54.0 x 10.0
36.5 x 44.5 x 5.8
38.0 x 49.0 x 10.0
38.0 x 49.0 x 17.0
38.0 x 54.0 x 1.7
38.2 x 50.3 x 13.0
38.3 x 50.0 x 17.0
38.5 x 46.0 x 4.5
38.5 x 51.0 x 15.0
38.5 x 54.0 x 21.0
39.6 x 47.2 x 6.0
40.0 x 55.6 x 20.0
40.5 x 49.5 x 15.0
40.5 x 53.0 x 5.5
40.5 x 55.0 x 5.5
40.5 x 58.0 x 13.5
41.0 x 49.0 x 4.0
41.0 x 49.5 x 10.0

Type
TYPE D
TYPE A
TYPE D
TYPE A
TYPE A
TYPE A
TYPE C
TYPE C
TYPE B
TYPE A
TYPE A
TYPE A
TYPE A
TYPE D
TYPE B
TYPE A
TYPE A
TYPE A
TYPE C
TYPE A
TYPE D
TYPE B
TYPE A
TYPE E
TYPE B
TYPE B
TYPE A
TYPE C
TYPE D

d1xd2xh
41.0 x 54.0 x 13.5
41.0 x 54.0 x 15.0
41.0 x 54.0 x 19.0
41.0 x 56.5 x 13.0
41.0 x 60.0 x 14.5
41.0 x 66.0 x 9.0
41.0/45.5 x 67.0 x 16.0
41.3 x 49.5 x 17.5
41.3 x 56.0 x 14.0
41.5 x 55.0 x 14.0
41.5 x 56.0 x 13.0
42.0 x 51.0 x 15.5
42.0 x 51.8 x 10.0
42.5 x 52.5 x 11.5
42.5 x 55.3 x 2.0
42.5 x 55.5 x 14.5
42.5 x 58.5 x 15.0
42.5 x 65.5 x 15.0
42.6 x 48.7 x 2.8
43.0 x 49.0 x 10.3
43.0 x 51.0 x 4.3
43.0 x 51.0 x 10.0
43.0 x 53.5 x 12.0
43.0 x 53.5 x 12.3
43.0 x 54.4 x 11.9
43.0 x 56.0 x 17.5
43.0 x 56.8 x 13.0
43.0 x 57.0 x 14.0

Type
TYPE D
TYPE A
TYPE H
TYPE A
TYPE F
TYPE D
TYPE A
TYPE F
TYPE E
TYPE D
TYPE B
TYPE A
TYPE A
TYPE C
TYPE D
TYPE D
TYPE D
TYPE A
TYPE A
TYPE A
TYPE A
TYPE A
TYPE D

## **CONTACT INFORMATION**

Invicta India Pvt. Ltd.  
N-258/B GK-1  
New Delhi  
India

REX Consolidated

80 DLF Industrial Area Phase 1  
Faridabad Haryana-121003  
India

© Copyright 2020 Invicta India Pvt. Ltd.

All information and data stated in this Product Range document has been compiled with utmost care. Nevertheless, Invicta accepts no liability for any errors, omissions or other inaccuracies contained herein. Subject to change without notice. Reprinting or reproduction, in whole or in part, including of photographs, illustrations or graphics, is not permitted without the prior written consent of Invicta India Pvt. Ltd.. We reserve all rights in connection with this document.

Any similarity or resemblance is unintended and is merely a coincidence.

The vehicle applications cited in this Product Range document may possibly be valid only up to the date printed on the last of the document. All references made in this Product Range document to the item numbers of vehicle manufacturers and/or competitors are provided for the purpose of comparison only. Such information is not allowed to be used in invoices issued to vehicle owners.

For enquiries, please email us : [rahul@invictaindia.com](mailto:rahul@invictaindia.com)

All drawings & illustrations are the property right of INVICTA and cannot be copied, duplicated or re-printed in any form without the prior written consent from INVICTA

Invicta Copyright © 2020  
All Right Reserved