

Polygonal interlocked exhaust hose

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Our Polygonal shape interlocked hose is made out of standard thickness material and is lightly wound, resulting in a lesser seal which is used for open-ended and low pressure applications and applications where flexibility is required.

The polygonal shape of the product prevents it from unwinding when it is cut to length. The bore range is from 1-1/4 (32 mm) to 6 inches (150 mm) inside diameter. The maximum temperature rating is 600 Degrees Celsius due to the standard materials used.

Applications: exhaust hose, flexible hose assembly armour casing, hose assembly liner, electronic shielding and cable and wire protection.



Polygonal exhaust hose

Part number	Internal		External mm	Tolerance mm	Weight Kg/m	Material thickness mm	Bend radius mm
	inches	mm					
INTEXH-032	1-1/4"	32	36	0.40	0.66	0.25	132
INTEXH-034	1-3/8"	34	38	0.40	0.71	0.25	136
INTEXH-038	1-1/2"	38	42	0.40	0.80	0.25	145
INTEXH-040	1-37/64"	40	44	0.40	0.83	0.25	150
INTEXH-043	1-5/8"	43	47	0.50	0.88	0.25	157
INTEXH-045	1-3/4"	45	49	0.50	0.93	0.25	165
INTEXH-051	2"	51	55	0.50	1.06	0.25	185
INTEXH-054	2-1/8"	54	58	0.50	1.08	0.25	202
INTEXH-057	2-1/4"	57	61	0.60	1.15	0.25	205
INTEXH-061	2-3/8"	61	65	0.60	1.30	0.25	220
INTEXH-065	2-1/2"	65	69	0.60	1.87	0.25	235
INTEXH-070	2-3/4"	70	74	0.60	2.14	0.35	255
INTEXH-076	3"	76	80	0.80	2.44	0.35	310
INTEXH-080	3-5/32"	80	84	0.80	2.51	0.35	340
INTEXH-090	3-1/2"	90	94	0.80	2.71	0.35	370
INTEXH-092	3-5/8"	92	96	0.80	2.75	0.35	375
INTEXH-101	4"	101	105	1.00	2.93	0.35	420
INTEXH-114	4-1/2"	114	118	1.00	3.20	0.35	425
INTEXH-117	4-9/16"	117	121	1.00	3.28	0.35	427
INTEXH-127	5"	127	131	1.00	3.58	0.35	430
INTEXH-140	5-1/2"	140	144	1.20	3.99	0.35	480
INTEXH-150	6"	150	154	1.20	4.33	0.35	570

We stock from 1/4" to 12" nominal bore convoluted stainless steel flexible metal hose for custom made and large bore exhaust assemblies.

Because of its design, care should be taken about the installation length and the flow direction of the interlocked hose. The length difference between fully compressed and fully extended may be as great as 20%. Interlocked hose performs best at the midpoint between fully compressed and fully extended. Keep this in mind when you need to work out an overall length of the installation. The flow direction of the interlocked hose can be checked by running your finger in the inside of the hose in fully compressed state; the right direction is the smoother surface feeling. See arrow on our illustration.

3S exhaust interlocked premium hose

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3S exhaust circular shape interlocked hose is made out of standard thickness material but due to the preformed strip shape we create a double wall thickness resulting in a premium exhaust hose with greater pressure seal and temperature rating.

Due to its overlapping construction it has a larger bend radius than the polygonal product.

This product will need a small weld tag to prevent it from unwinding when it is cut to length.

The bore range is from 3 (76 mm) to 6 inches (150 mm) inside diameter.

Due to the double layer of material and the round shape, this interlocked hose is suitable for higher exhaust temperatures up to 700 degrees Celsius.

Applications: exhaust at higher temperatures closer to turbo, dry bulk material handling of non-abrasive media and fume and dust collection.



3S exhaust hose

Part number	Internal		External mm	Tolerance mm	Weight Kg/m	Material thickness mm	Bend radius mm
	inches	mm					
INT3S-076	3"	76	80.5	0.80	2.40	0.27	340
INT3S-080	3-5/32"	80	84.5	0.80	2.57	0.27	350
INT3S-090	3-1/2"	90	94.5	0.80	3.00	0.27	370
INT3S-101	4"	101	105.5	1.00	3.21	0.27	455
INT3S-114	4-1/2"	114	118.5	1.00	3.57	0.27	480
INT3S-127	5"	127	131.5	1.00	3.74	0.27	520
INT3S-140	5-1/2"	140	144.5	1.20	4.17	0.27	550
INT3S-150	6"	150	154.5	1.20	4.64	0.27	585

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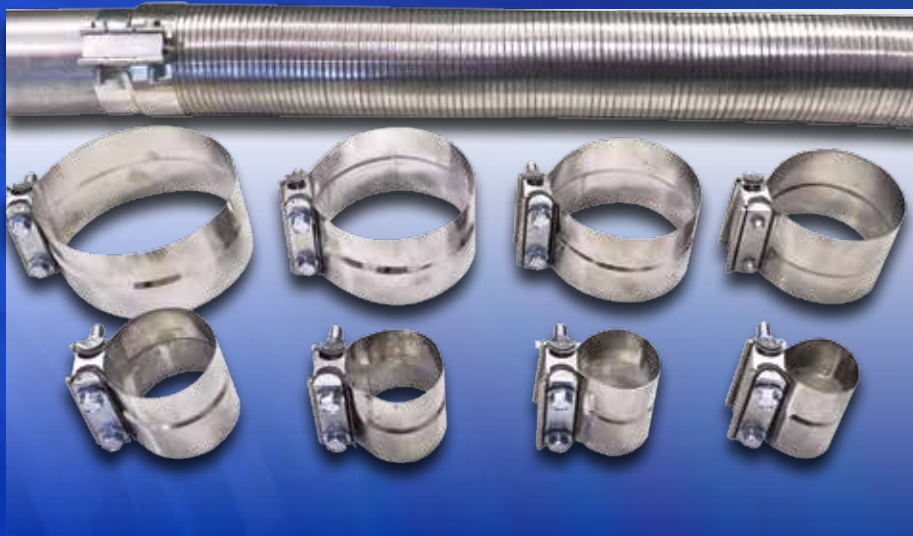
Because of its design, care should be taken about the installation length and the flow direction of the interlocked hose. The length difference between fully compressed and fully extended may be as great as 15%. Interlocked hose performs best at the midpoint between fully compressed and fully extended. Keep this in mind when you need to work out an overall length of the installation. The flow direction of the interlocked hose can be checked by running your finger in the inside of the hose in fully compressed state; the right direction is the smoother surface feeling. See arrow on our illustration.

Stainless steel lap band exhaust clamp

Stainless steel lap band exhaust clamp to connect interlocked hose to tube.

Stainless steel lap band exhaust clamps are pre-shaped to connect our interlocked hose range to solid tubing, making a simple and effective way to connect our flexible hose to exhaust system components. With this butt joint design there's no need to separate pipes or exhaust members before clamping.

Our lap band clamps are available in standard industry tube sizes ranging from 2" (50 mm) through to 6" (150 mm). Our fastening system includes force bars, high tensile bolts, nuts, and a reaction block, which creates the power to stretch the clamp band tightly around slip joints. The reaction block provides a full 360 degree equal distribution of stretching force, preventing pipe distortion while completing a seal around the joined exhaust components.



Part Number	Tube Sizes	
	inches	mm
INTCLAMP-050	2"	50
INTCLAMP-057	2-1/4"	57
INTCLAMP-065	2-1/2"	65
INTCLAMP-076	3"	76
INTCLAMP-090	3-1/2"	90
INTCLAMP-101	4"	101
INTCLAMP-114	4-1/2"	114
INTCLAMP-127	5"	127
INTCLAMP-140	5-1/2"	140
INTCLAMP-150	6"	150