

PYTHON

- Stainless steel, convoluted metal hose with Form-Fit-Stay functionality.
 - Compensates for misalignments and system reroutes between static connections for vacuum or low-pressure applications
 - Beneficial for tight connections
- Annealed material enables the hose to be compressed at least 15% and to be extended up to 50% of the manufactured length

CoreDux base hose range						
Nominal Hose Size [mm (in.)]	Hose Material**	Hose Inside dia. [mm (in.)]	Hose outside dia. [mm (in.)]	Minimum centre line bend radius	Working pressure* at 20°C (70°F) [bar (psig)]	Temp. Range [°C (°F)]
				Static [mm (in.)]		
DN6 1/4"	321	6 (0.2)	9,8 (0.4)	12 (0.47)	9 (130)	20 (70) - 537 (1000)
DN10 3/8"	321	10.1 (0.4)	16,2 (0.6)	20 (0.8)	6 (87)	20 (70) - 537 (1000)
DN12 1/2"	321	12 (0.5)	18,6 (0.7)	25 (1)	3 (44)	20 (70) - 537 (1000)
DN20 3/4"	321	20,3 (0.8)	28,3 (1.1)	30 (1,18)	1,7 (25)	20 (70) - 537 (1000)
DN25 1"	321	25,4 (1)	34,8 (1.4)	45 (1,77)	1,7 (25)	20 (70) - 537 (1000)
DN32 1 1/4"	321	32,3 (1.3)	43,4 (1.7)	tbd	1,7 (25)	20 (70) - 537 (1000)

*Temperature derating factor should apply to working pressure. Based on ISO 10380

**316L hose material as an option

Compliance

- EN ISO 9001

Packaging

- Each hose is bagged individually and boxed. Longer hoses are coiled, bagged and boxed.

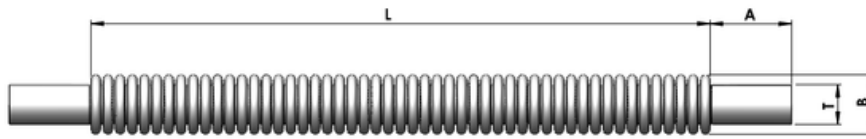
Cleanliness

- Standard deliveries: White room
- Oxygen, Vacuum: possible upon request

Product tests

- Helium leak test (1x10⁻⁷ std cm3/s)
- Additional options: helium leak test 1x10⁻⁹ std cm3/s

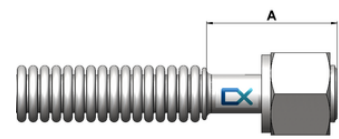
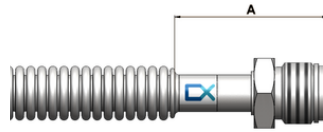
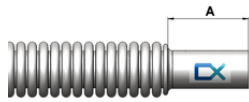
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Nominal Tube Size [mm (in.)]	Ordering number	Dimensions					Maximum Angular Displacement
		Cuff Length A [mm (in.)]	Hose outside dia. [mm (in.)]	Life Length L [mm (in.)]			
				Compressed	Manufactured	Extended	
DN6 - 1/4"	PY-6-X-2	19 (0.75)	9,8 (0.4)	38,1 (1.5)	50,8 (2)	76,2 (3)	180°
	PY-6-X-4			82,6 (3.25)	102 (4)	152 (6)	360°
	PY-6-X-6			121 (4,75)	152 (6)	229 (9)	
	PY-6-X-12			229 (9)	305 (12)	457 (18)	
	PY-6-X-24			475 (18)	610 (24)	914 (36)	
DN10 - 3/8"	PY-10-X-2	19 (0.75)	16,2 (0.6)	19 (0.75)	25,4 (1)	76,2 (1.5)	90°
	PY-10-X-4			63,5 (2.5)	76,2 (3)	114 (4.5)	225°
	PY-10-X-6			121 (4.75)	152 (6)	229 (9)	360°
	PY-10-X-12			229 (9)	305 (12)	457 (18)	
	PY-10-X-24			457 (18)	610 (24)	914 (36)	
DN12 - 1/2"	PY-12-X-3	25.4 (1)	18,6 (0.7)	63,5 (2.5)	76,2 (3)	114 (4.5)	180°
	PY-12-X-6			121 (4.75)	152 (6)	229 (9)	360°
	PY-12-X-12			229 (9)	305 (12)	457 (18)	
	PY-12-X-24			457 (18.0)	610 (24)	914 (36)	

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End connections



Tube adapters (3 lengths)

Metal Face Seal Male*

Metal Face Seal Female*

*Male and female adapter not available in 3/8"

Working pressure - temperature ratings may be limited by the end connections.

CoreDux integrates all A-brand suppliers, customer specifications are leading.

Nominal Hose Size mm(in.)	Tube Adapters Short-long				Tube Adapter X			MFSM	MFSF
	Wall thickness [mm(in.)]	Stub Outside Dia. [mm(in.)]	Short Length A [mm(in.)]	Long Length A [mm(in.)]	Wall thickness [mm(in.)]	Stub Outside Dia. [mm(in.)]	X Length A [mm(in.)]	Length A [mm(in.)]	Length A [mm(in.)]
DN06 (1/4")	0,89 (0.035)	6,35 (0.25)	8 (0.31)	19 (0.75)	1,125 (0.044)	6,35 (0.25)	39,4 (1.55)	38,5 (1.52)	23,2 (0.91)
DN10 (3/8")	0,89 (0.035)	6,35 (0.25)	8 (0.31)	19 (0.75)	1,215 (0.048)	9,53 (0.375)	40,1 (1.58)	N/A	N/A
DN12 (1/2")	1,24 (0.048)	12,7 (0.5)	8 (0.31)	19 (0.75)	1,5 (0.059)	12,7 (0.5)	49,3 (1.94)	46,1 (1.82)	23,8 (0.94)
DN20 (3/4")	1,24 (0.049)	19,05 (0.75)	N/A	19 (0.75)	N/A	N/A	N/A	69,8 (2.75)	69,8 (2.75)
DN25 (1")	1,65 (0.065)	25,4 (1)	N/A	19 (0.75)	N/A	N/A	N/A	75,4 (2.97)	75,4 (2.97)
DN 32 (1 1/4")	1,65 (0.065)	31,75 (1.25)	N/A	19,5(0.77)	N/A	N/A	N/A	N/A	N/A

Ordering instructions



Product type:

- Python

Diameter:

- DN06 = 1/4"
- DN10 = 3/8"
- DN12 = 1/2"
- DN20 = 3/4"
- DN25 = 1"
- DN32 = 1 1/4"

Fittings:

- MFSF = Metal Face Seal Female
- MFSM = Metal Face Seal Male
- TAS = Tube Adapter Short
- TA = Tube Adapter Long
- TAX = Tube Adapter X

Length*:

Our standard sizes are measured in inches. If you request a product in CM, please specifically note CM in your request.

Options

Options:

- CO = Oxygen Clean (CO)
- TH9 = Helium leak test (1x10⁻⁹ cm3 std/s) (TH9)
- 316L = optional hose material
- Labelling requirements (Specify colour and content separately)

*maximum active hose length without welds: 2m for DN6, 3,2m for DN10 and DN12

