

Tuyaux Flexibles Rudolph is a world leader for flexible metallic tubes for standard and special industrial application.

Technical guide for corrugated flexible hoses



Content

I. NDX 202 : Helical standard	2
II. NDX 247 : Parallel standard	3
III. NDX 900/910 : Helical standard	4

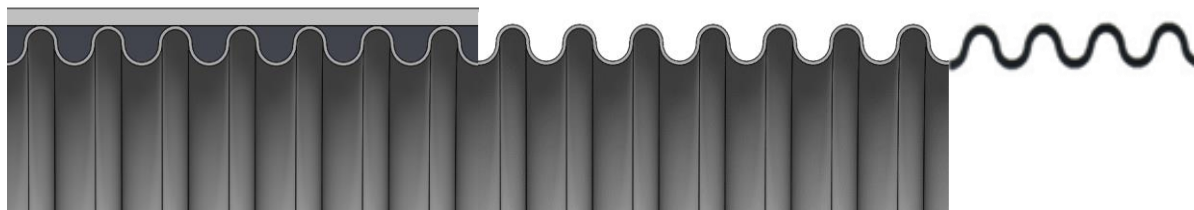
A presence in the majority of industrial sectors

Subject to technical modification

For any special request (ND, material or connection mode), please call us.

I. NDX 202 : Helical standard

NDX 202



Features

Helical standard or close corrugations
naked ou stainless steel braid
Temperature : -260 to 600 °C

Applications

Caustic products, cryogenics
Liquid or gases transfer
Chemical and nuclear industry
Wire protection

Connections

Any type of flange, nozzle or connection

Fixing modes

Silver brazing
MIG welding
TIG welding

Example of product identification

NDX 202 + stainless steel braid
ND 32 - L : 2 m - Qty : 25

Stainless steel

NDX 202 helical standard

ND (mm)	Ø inn. (mm)	Ø out.			Max. Allow. Pressure			Mass (± 10%)			Bending radius*	
		naked (mm)	1 braid (mm)	2 braids (mm)	naked (bar)	1 braid (bar)	2 braids (bar)	naked (kg)	1 braid (kg)	2 braids (kg)	static (mm)	dynamic (mm)
6	6,1	8,8	10,3	11,8	20	200	233	0,05	0,13	0,22	40	60
8	7,6	10,7	12,2	13,7	18	170	210	0,06	0,17	0,30	45	65
10	9,5	12,7	14,2	15,7	14	125	200	0,07	0,19	0,32	55	80
12	11,9	15,2	16,7	18,2	13	115	140	0,09	0,24	0,40	70	105
15	14,5	18,8	20,3	21,8	10	70	126	0,11	0,28	0,44	80	120
20	19,6	23,8	25,7	27,6	8	65	113	0,19	0,47	0,75	100	150
25	23,8	29,7	31,6	33,5	5	45	80	0,23	0,58	0,91	130	195
32	28,8	36,2	38,1	40,0	3	33	57	0,29	0,77	1,28	165	240
40	37,8	45,8	47,7	49,6	3	28	49	0,46	0,98	1,48	190	285

* For naked NDX 202

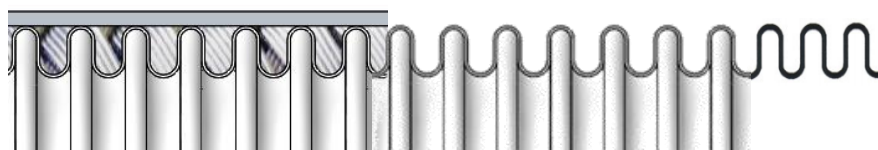
A presence in the majority of industrial sectors

Subject to technical modification

For any special request (ND, material or connection mode), please call us.

II. NDX 247 : Parallel standard

NDX 247



Features	Parallel standard or close corrugations (NDX 447) naked or stainless steel braid Température : -260 à 600 °C
Applications	Caustic products, cryogenics Liquid or gases transfer Chemical and nuclear industry Wire protection
Connections	Any type of flange, nozzle or connection
Fixing modes	Silver brazing MIG welding TIG welding
Example of product identification	NDX 247 + stainless steel braid ND 32 - L : 2 m - Qty : 25

Stainless steel

NDX 247 parallel standard

ND (mm)	Ø inn. (mm)	Ø out.		Max. Pressure		Mass (± 10%)		Bending radius*	
		naked (mm)	1 braid (mm)	naked (bar)	1 braid (bar)	naked (kg)	1 braid (kg)	static (mm)	dynamic (mm)
6	6,1	9,6	11,4	24,0	198	0,071	0,157	25	80
8	8,2	12,1	13,9	17,0	176	0,081	0,204	32	124
10	10,1	14,3	16,1	12,0	131	0,094	0,218	38	130
12	12,3	16,8	19,2	9,0	93	0,100	0,329	45	140
16	16,2	21,5	23,9	7,0	85	0,182	0,431	58	160
20	20,3	26,6	29,0	3,5	57	0,268	0,592	70	170
25	25,4	32,3	34,7	3,0	65	0,354	0,747	85	190
32	34,3	41,1	44,1	2,5	46	0,478	1,113	105	260
40	40,0	49,5	52,5	2,5	50	0,678	1,360	130	300
50	50,2	60,5	63,5	1,6	35	0,888	1,897	160	320
65	65,0	76,5	79,5	0,5	26	1,900	2,965	180	410
80	76,2	98,8	101,8	0,5	20	2,276	3,737	190	410
100	101,6	122,7	125,7	0,3	17	2,455	4,208	260	510

* For naked NDX 247

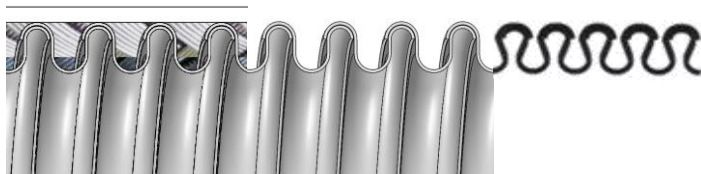
A presence in the majority of industrial sectors

Subject to technical modification

For any special request (ND, material or connection mode), please call us.

III. NDX 900/910 : Helical standard

NDX 900



NDX 910



Features

Helical standard
welded or closed corrugations
 naked or stainless steel braid
 Temperature : -260 to 600 °C

Helical standard
welded or standard corrugations
 naked or stainless steel braid
 Temperature : -260 to 600 °C

Applications

Caustic products, cryogenics
 Liquid or gases transfer
 Chemical and nuclear industry
 Wire protection

Connections

Any type of flange, nozzle or connection

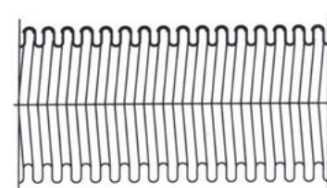
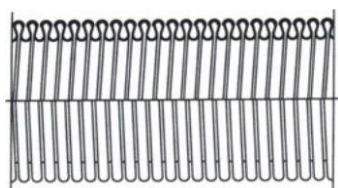
Fixing modes

Silver brazing
 MIG welding
 TIG welding

Example of product identification

NDX 900 + stainless steel braid
 ND 32 - L : 2 m - Qty : 25

NDX 910 + stainless steel braid
 ND 32 - L : 2 m - Qty : 25



Stainless steel				NDX 900 close corrugations						NDX 910 standard corrugations					
ND (mm)	ø inn. (mm)	ø out.		Pression max.		Masse (± 10%)		Bending radius*		Pression max.		Masse (± 10%)		Bending radius**	
		naked (mm)	1 braid (mm)	naked (bar)	1 braid (bar)	nu (kg)	1 tresse (kg)	static (mm)	dynamic (mm)	naked (bar)	1 braid (bar)	naked (kg)	1 braid (kg)	static (mm)	dynamic (mm)
6	6	10,0	11,9	5,0	125	0,10	0,20	15	85	5,0	125	0,08	0,17	20	105
8	8	12,0	13,9	3,0	100	0,13	0,22	25	90	3,0	100	0,09	0,19	30	115
10	10	14,0	15,9	2,5	80	0,15	0,28	25	105	2,5	80	0,12	0,25	30	130
12	12	17,0	18,9	2,0	64	0,22	0,44	30	120	2,0	64	0,17	0,39	40	150
16	16	21,5	23,4	1,5	64	0,28	0,51	45	150	1,5	64	0,22	0,44	60	190
20	20	26,0	27,9	1,0	50	0,40	0,71	50	195	1,0	50	0,29	0,59	70	240
25	25	31,0	32,9	0,8	40	0,49	0,85	65	240	0,8	40	0,36	0,71	90	300
32	32	40,0	41,9	0,6	32	0,66	1,17	90	300	0,6	32	0,48	0,99	115	380
40	40	48,0	49,9	0,5	25	0,80	1,34	110	360	0,5	25	0,58	1,11	145	450

* For NDX 900 + 1 braid

** For NDX 910 + 1 braid

A presence in the majority of industrial sectors

Subject to technical modification

For any special request (ND, material or connection mode), please call us.

NOTES

A presence in the majority of industrial sectors

Subject to technical modification

For any special request (ND, material or connection mode), please call us.

The logo for Tuyaux Flexibles Rudolph features a stylized blue and white wave graphic above the company name. The name 'Tuyaux Flexibles Rudolph' is written in a red, italicized serif font. Below the name, the website address 'www.rudolph.fr' is displayed in a smaller, blue, sans-serif font.
Tuyaux Flexibles Rudolph
www.rudolph.fr