

# TUBI METALLICI FLESSIBILI "ONDULATI" FLEXIBLE METALLIC "CONVOLUTED" HOSES

## GENERALITÀ

I tubi flessibili ad ondulazioni parallele a parete continua senza saldature circonferenziali, garantiscono perfetta tenuta ed elevata flessibilità. Per resistere alla spinta di fondo generata dalla pressione interna sono rivestiti esternamente con una o più trecce in fili metallici. Vengono impiegati per il convogliamento di fluidi in pressione con temperatura da -200°C a +700°C.

## MATERIALI

Tubo interno acciaio inox ASTM a 240 TP 321 e/o TP 316 L.  
Trecchia esterna fili di acciaio inox ASTM a 580 TP 304.

## DIAMETRI

DN 6 ÷ 250.

## PRESSIONE

Vedere tabelle: i valori indicati sono quelli max ammissibili a 20°C.

## COLLAUDO

Normalmente 1.5 volte la pressione max a 20°C.

## GENERAL FEATURES

Flexible tubes with parallel convolutions and continuous wall with no circumference welding. Externally covered with one or more metallic braids to resist the bottom push generated by the internal pressure. Employed to convey fluids under pressure with temperatures from -200°C to +700°C.

## MATERIALS

Inner tube in SS ASTM at 240 TP 321 and/or TP 316 L.  
External braid in stainless steel yarn ASTM at 580 TP 304.

## DIAMETERS

DN 6 ÷ 250

## PRESSURE

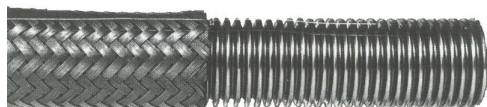
See charts: the indicated values are those allowed at 20°C.

## TESTING

Usually 1.5 times the maximum pressure at 20°C.

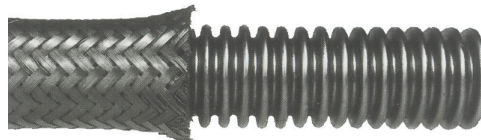
## NS. TIPI STANDARD

### GIFLEX N/N1



## OUR STANDARD TYPES

### GIFLEX S/S1/S2



## RACCORDI D'ESTREMITÀ

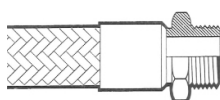
Vengono impiegati tutti i tipi di raccorderia in commercio e realizzati normalmente in acciaio al carbonio (ns. riferimento "C") o in acciaio inox (ns. riferimento "I"). Il tipo di saldatura, in considerazione delle temperature d'impiego, può essere l'elettrosaldatura in tig e/o la saldobrasatura in lega d'argento.

## FITTINGS

All fittings available on the market are used and usually realised in carbon steel (our ref. "C") or in stainless steel (our ref. "I"). Depending on the working temperature, they can be TIG-welded and/or braze welded in silver alloy.

## NS. TIPI STANDARD

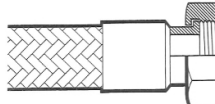
MF



Maschio fisso  
Filettatura gas  
Conica - Cilindrica  
NPT  
*Fixed male  
Conical - cylindrical Gas  
threading  
NPT*

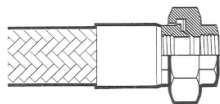
## OUR STANDARD TYPES

DG



Dado girevole  
Filettatura gas  
Cilindrica  
Sede conica  
Sede piana  
*Rotating nut  
Cylindrical gas threading  
Conical seat  
Flat seat*

BF



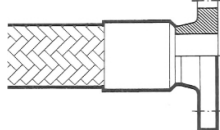
Bocchettone femmina  
Tre pezzi  
Filettature gas  
NPT  
*Female coupling  
Three pieces  
Gas threading  
NPT*

ML



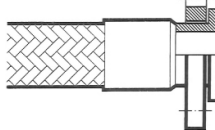
Manicotto liscio da saldare  
in testa  
*Smooth end to be butt  
welded*

FF



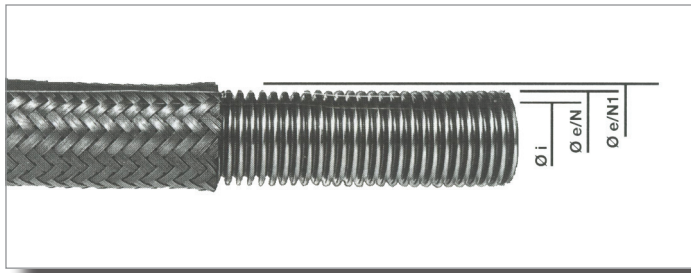
Flangia fissa  
Secondo UNI  
ANSI - DIN  
*Fixed flange  
(complying with  
UNI - ANSI - DIN)*

FG



Flangia girevole (secondo  
UNI - ANSI - DIN) con cartella  
inox e/o cartella a spessore  
in acciaio al carbonio  
*Rotating flange (complying  
with UNI - ANSI - DIN) with  
SS backing ring and/or  
carbon steel backing ring*

# TUBO ACCIAIO INOX GIFLEX N SS GIFLEX N HOSE



Tubo flessibile a spira parallela in ASTM a 240 TP con treccia in ASTM A 580 TP 304.  
Esecuzione normale.

*Flexible tube with parallel convolutions in ASTM at 240 TP with braid in ASTM at 580 TP 304.  
Normal execution.*

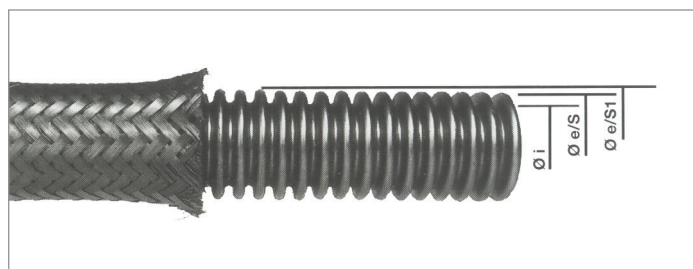
**GIFLEX N:** tubo senza treccia esterna.  
**GIFLEX N1:** con una treccia esterna.

***GIFLEX N:** Tube with no external braid.  
**GIFLEX N1:** Tube with external braid.*

Ø interno Internal Ø	DN	Codice Code	Ø esterno External Ø	Pressione Kg/cm <sup>2</sup> a 20°C Pressure		Raggio minimo Min. radius mm	
				Esercizio Working	Prova Test	Curvatura Bending	Piegatura Folding
6.2	1/8"	N	9.7	20	30	80	15
		N1	10.8	125	187.5	80	25
8.3	1/4"	N	12.3	16	24	125	16
		N1	13.7	132	198	125	35
10.2	3/8"	N	14.3	8	12	130	18
		N1	15.7	98	147	130	40
12.2	1/2"	N	16.8	8	12	140	20
		N1	18.2	64	96	140	45
16.2	5/8"	N	21.7	6	9	160	28
		N1	23.3	73	109.5	160	60
20.2	3/4"	N	26.7	5	7.5	170	32
		N1	28.3	43	64.5	170	70
25.5	1"	N	32.2	3	4.5	190	40
		N1	34.2	55	82.5	190	85
34.2	1.1/4"	N	41	2.5	3.75	260	50
		N1	43	36	54	260	105
40.1	1.1/2"	N	49.7	2	3	300	60
		N1	52	38	57	300	130
50.4	2"	N	60.3	1.6	2.4	320	70
		N1	62.6	26	39	320	160
65.4	2.1/2"	N	80	1	1.5	440	90
		N1	83.2	24	36	440	200
80.2	3"	N	98	1	1.5	700	110
		N1	101.2	28	42	700	240
100.2	4"	N	118	1	1.5	750	130
		N1	121.2	19	28.5	750	290
126.2	5"	N	145	0.6	0.9	1000	500
		N1	148.2	16	24	1000	500
149.8	6"	N	173	0.3	0.45	1100	700
		N1	176.8	15	22.5	1100	700

# TUBO ACCIAIO INOX GIFLEX S

## STAINLESS STEEL GIFLEX S HOSE



Tubo flessibile a spira parallela in ASTM a 340 TP 321 e/o TP 316 L con treccia in ASTM A 580 TP 304.  
Esecuzione spire strette.

**GIFLEX S:** tubo senza treccia esterna.

**GIFLEX S1:** con una treccia esterna.

**GIFLEX S2:** con due trecce esterne.

Flexible tube with parallel convolutions in ASTM at 340 TP 321 and/or TP 316 L with braid in ASTM at 580 TP 304.  
Execution - Narrow convolutions.

**GIFLEX S:** Tube with no external braid.

**GIFLEX S1:** Tube with external braid.

**GIFLEX S2:** Tube with two external braids.

Ø interno Internal Ø	DN	Codice Code	Ø esterno External Ø	Pressione Kg/cm <sup>2</sup> a 20°C Pressure		Raggio minimo Min. radius mm	
				Esercizio Working	Prova Test	Curvatura Bending	Piegatura Folding
10.6	3/8"	S	16.1	5	7.5	125	35
		S1	17.5	75	112.5	190	35
		S2	19	105	157.5	205	35
12.9	1/2"	S	19.3	5	7.5	140	35
		S1	20.8	70	105	210	35
		S2	22.3	100	150	225	35
15.7	5/8"	S	23.7	4	6	190	45
		S1	25.2	65	97.5	285	45
		S2	26.7	90	135	305	45
19.8	3/4"	S	28.8	3	4.5	215	55
		S1	30.3	50	75	310	55
		S2	31.8	75	112.5	330	55
26.5	1"	S	36.5	3	4.5	250	70
		S1	38.0	40	60	375	70
		S2	39.5	60	90	385	70
33	1.1/4"	S	43.7	3	4.5	270	80
		S1	45.7	35	52.5	405	80
		S2	47.7	50	75	415	80
40	1.1/2"	S	52.0	2	3	320	100
		S1	54.3	30	45	480	100
		S2	56.3	40	60	490	100
51.6	2"	S	65.5	1	1.5	360	130
		S1	67.5	25	37.5	550	130
		S2	69.5	32	48	570	130
66	2.1/2"	S	85.4	1	1.5	450	175
		S1	87.9	20	30	675	175
		S2	90.4	25	37.5	685	175
77	3"	S	97.5	1	1.5	500	200
		S1	100.0	18	27	750	200
		S2	102.5	22	33	770	200
103	4"	S	125.0	1	1.5	600	250
		S1	128.0	14	21	920	250
		S2	130.5	20	30	960	250
126	5"	S	151.5	1	1.5	750	325
		S1	154.5	12.5	18.75	1160	325
		S2	157.5	18	27	1200	325
151.5	6"	S	177.0	0.8	1.2	850	375
		S1	180.0	10	15	1320	375
		S2	183.0	15	22.5	1400	375