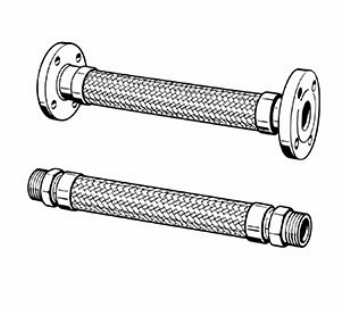
FLEXIBLE METAL TUBE



APPLICATION

This configuration is generally used near structural earthqauke proof joint, in particular when it is necessary to prevent pipes break in case of earthquake.

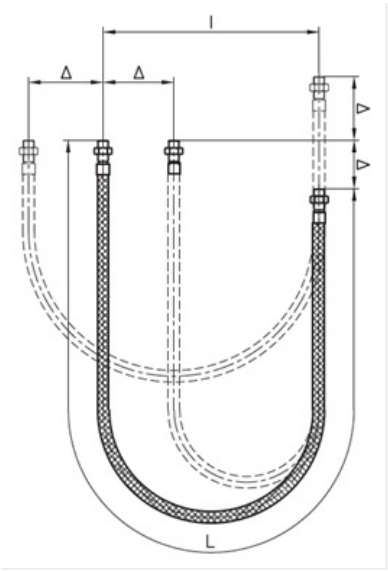
This system allows to absorb all direction movements.

TECHNICAL DATA

The standard material used in manufacturing the tube is stainless steel ASTM A 240 Type 321. On request, stainless steel ASTM A 240 Type 316L is also available. The braid is produced in stainless steel ASTM A 240 Type 304.

The fl exible metal tubes can be used with operating temperatures from -270°C up to +600°C. Above 50°C, the pressure reduction factor CP based on the temperature must be taken into account. Possible pivoting flanges in PN16 steel.

Nominal Pressure PN: maximum allowable pressure at room temperature. Test Pressure PP: must not exceed 1.5 times the nominal pressure PN. Bursting pressure PS: is at least 4 times greater than the nominal pressure PN.



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DN	Dinamic bending radius [mm]	L [mm]	±Δ [mm]	I [mm]
1/2"	140	1000	120	400
	140	1500	240	520
	140	2000	360	640
3/4"	170	1000	90	430
	170	1500	210	550
	170	2000	330	670
1"	190	1000	70	450
	190	1500	190	570
	190	2000	310	690
1"-1/4	260	1200	70	590
	260	1700	190	710
	260	2200	310	830
1"-1/2	300	1500	110	710
	300	2000	230	830
	300	2500	350	950
2"	320	1500	90	730
	320	2000	210	850
	320	2500	330	970
2"-1/2	460	2000	100	1020
	460	2500	220	1140
	460	3000	340	1260
3"				1500
4"				1500
5"				1500
6"				1500

Note:

The dynamic bending radius indicates the minimum curvature at room temperature and nominal pressure for several repeated movements. The static bending radius indicates the minimum curvature at room temperature and nominal pressure for one single movement.

WARNINGS

- Avoid damaging the tubes (abrasions, painting, welding splatters, deposits of dust or resin between the corrugations, etc.);

- Avoid twisting the tubes;
- Do not exceed the allowable bending radius;
- Keep the movements in a single plane only.

Codice	Nome	Peso	Numero di pezzi
TFAA021100	21,3 mm ½'' L=1000 mm	1.2	1
TFAA021150	21,3 mm ½'' L=1500 mm	1.2	1
TFAA021200	21,3 mm ½'' L=2000 mm	1.2	1
TFAA027100	27,9 mm ¾'' L=1000 mm	1.76	1
TFAA027150	27,9 mm ¾'' L=1500 mm	1.76	1
TFAA027200	27,9 mm ¾'' L=2000 mm	1.76	1
TFAA034100	33,7 mm 1'' L=1000 mm	2.51	1
TFAA034150	33,7 mm 1'' L=1500 mm	2.51	1
TFAA034200	33,7 mm 1'' L=2000 mm	2.51	1
TFAA042120	42,4 mm 1''¼ L=1200 mm	3.38	1
TFAA042170	42,4 mm 1''¼ L=1700 mm	3.38	1
TFAA042220	42,4 mm 1''¼ L=2200 mm	3.38	1
TFAA048150	48,3 mm 1''½ L=1500 mm	3.69	1
TFAA048200	48,3 mm 1''½ L=2000 mm	3.69	1
TFAA048250	48,3 mm 1''½ L=2500 mm	3.69	1
TFAA060150	60,3 mm 2'' L=1500 mm	5.18	1
TFAA060200	60,3 mm 2'' L=2000 mm	5.18	1
TFAA060250	60,3 mm 2'' L=2500 mm	5.18	1
TFAA076200	76,1 mm 2''½ L=2000 mm	6.6	1
TFAA076250	76,1 mm 2''½ L=2500 mm	6.6	1
TFAA076300	76,1 mm 2''½ L=3000 mm	6.6	1
TFFA089150		7	1
TFFA114150		12	1
TFFA139150		17	1
TFFA168150		20	1