

CODE	LETT SIZE		A	B	C	D	E	DN
	METRIC	INCHES						
7553-001	06	1/4	6.6 ±0.2	1.0	20	19	230 ±5	10
7553-002	08	/	8.2 ±0.2	1.0	20	19	230 ±5	10
7553-003	/	3/8	9.7 -0.1 +0.3	1.0	20	19	230 ±5	10
7553-004	10	/	10.2 -0.1 +0.3	1.0	20	19	230 ±5	10
7553-005	12	/	12.2 -0.1 +0.3	1.0	20	21	230 ±5	12
7553-006	/	1/2	12.9 -0.1 +0.3	1.0	20	21	230 ±5	12
7553-007	15	/	15.2 -0.1 +0.3	1.0	20	27	255 ±5	16
7553-008	16	5/8	16.2 -0.1 +0.3	1.0	20	27	255 ±5	16
7553-009	18	/	18.2 -0.1 +0.3	1.0	25	27	255 ±5	16
7553-010	/	3/4	19.3 -0.1 +0.3	1.0	25	27	255 ±5	16
7553-011	22	7/8	22.4 -0.2 +0.3	1.5	25	32	290 ±5	20
7553-012	28	1 1/8	28.9 -0.2 +0.3	1.5	25	39	330 ±5	25
7553-013	35	1 3/8	35.3 -0.2 +0.3	2.0	30	48	375 ±10	32
7553-014	42	1 5/8	42.3 -0.2 +0.3	2.0	35	58	430 ±10	40
7553-015	54	2 1/8	54.3 -0.2 +0.3	2.5	45	70	510 ±10	50
7553-016	64	/	64.4 -0.2 +0.4	2.5	55	89	690 ±10	65
7553-017	65	/	65.4 -0.2 +0.4	2.5	55	89	690 ±10	65
7553-018	67	2 5/8	67.1 -0.2 +0.4	2.5	55	89	690 ±10	65
7553-019	76	3	76.4 -0.2 +0.4	3.0	35	89	690 ±10	65
7553-020	80	/	80.5 -0.3 +0.5	3.0	35	89	690 ±10	65
7553-021	/	3 1/8	79.8 -0.2 +0.4	3.0	35	89	690 ±10	65
7553-022	89	3 1/2	90.0 -0.3 +0.5	3.0	70	104	710 ±10	80
7553-023	/	3 5/8	93.0 -0.3 +0.5	3.0	45	104	710 ±10	80

For size 4 1/8 and 108 see drawing 7555-000.

ND = nominal diameter of flexible pipe.

COMPONENTS

1. End fitting	Material	EN 12449	CW024A R360	(Cu-DHP)	Drawing	5433-000
2. Fitting	Material	EN 10088-1	1.4305/1.4301	(AISI 303/304)	Drawing	5432-000
3. Braid	Material	EN 10088-1	1.4301	(AISI 304)	Drawing	9747-000
4. Flexible pipe	Material	EN 10028-7	1.4541/1.4404	(AISI 321/316L)	Drawing	9755-000
5. Ring	Material	EN 10088-1	1.4301	(AISI 304)	Drawing	9637-000

NORMAL WORKING CONDITIONS

- Nominal pressure NP : 35 bar up to code 7553-015 25 bar from code 7553-016.
- Temperature : -100 °C min +250 °C max.
- Fluid : Suitable for refrigerant fluids

DESIGN AND CONSTRUCTION

Not according to European Directive 2014/68/EU.

LETT vibration absorbers are made in stainless steel, with copper end fittings. ALL WELDINGS, COPPER/STAINLESS STEEL INCLUDED, ARE MADE USING TIG LASER PROCESS. Being brazing-free, it is possible to braze the end fittings to the pipe system without overheating risks to the LETT itself.

EMPLOY

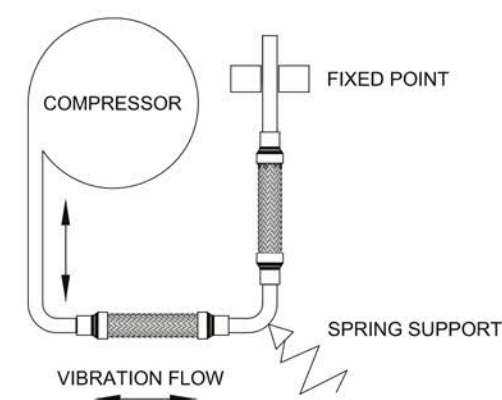
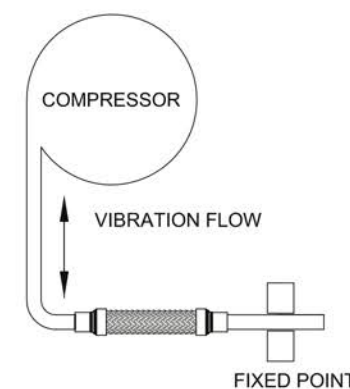
LETT vibration absorbers are used to avoid the vibrations induced by the compressor, can come to the piping system. Moreover LETT reduce noises and can compensate small thermal displacements.

The peculiar feature of LETT allows also VERTICAL installation. The possibility of water condensation in the lower side has been eliminated. NO PROBLEM EVEN AT TEMPERATURE BELOW ZERO.

INSTALLATION CRITERIA

- User must be aware that LETT cannot absorb torsional and axial stresses, both in compression and extension.
- LETT must be installed perpendicularly to the vibration flow. In some situation it is necessary to foresee an arrangement with two LETT to ensure good performances to fatigue life. Should this situation occur, a suitable spring support must be added to ensure stability of system.
- Fluid overflow inside LETT can set off turbulences and noises phenomena which can damage and reduce fatigue life of the LETT. If so, it is suggested to switch to a bigger LETT size.
- Connection of LETT to the pipe system is generally made by brazing. The peculiar characteristics of LETT let the fitter perform such operations CARE-FREE FROM ANY OVERHEATING TO THE LETT ITSELF. Before the assembly of LETT check the length between the end fittings which must be major than $E-2C+10$ (mm) and after brazing the absence of axial stresses that could modify the line form or inflate the braid.
- Test pressure of the LETT must not exceed $1.5 \times NP$.

ASSEMBLY EXAMPLE



CORROSION PERFORMANCES

The chosen materials of LETT fully suits with the conveyed fluid, therefore no extra-thickness is foreseen.

The installer will have to pay special care to protect LETT from possible corrosion agents coming from the environment.

LETT DISASSEMBLY AND DISMISSING

The disassembly of the vibration absorber have to be made before the draining c all the fluid from the piping system. For the removal of the vibration absorber it is advised to use a hand-saw instead of free flames.