ARDAMP®

Natural frequency : (1)
10 to 25 Hz

DESCRIPTION

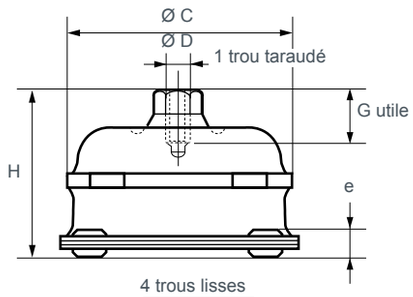
The ARDAMP® series dampers have a spring and piston embedded in high viscosity silicone rubber gel which itself is embedded in an elastomer membrane bonded to the case.

APPLICATIONS

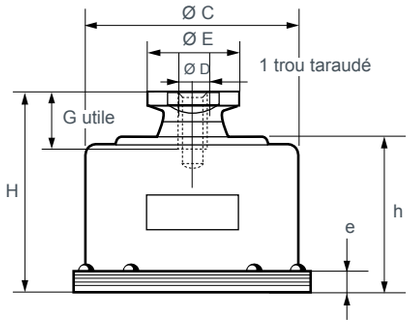
Due to their high performances and high shock damping capacity ARDAMP® dampers are designed to protect fragile electronic equipment, control panels and measuring instruments on ground vehicles, aircrafts, helicopters, civil and military submersible crafts.

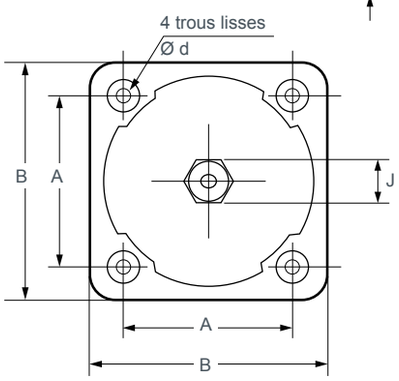
1) the indicated natural frequency, are valid for the maxi loads of the ranges of use quoted in the paragraph : TECHNICAL CHARACTERISTICS.

DIMENSIONS

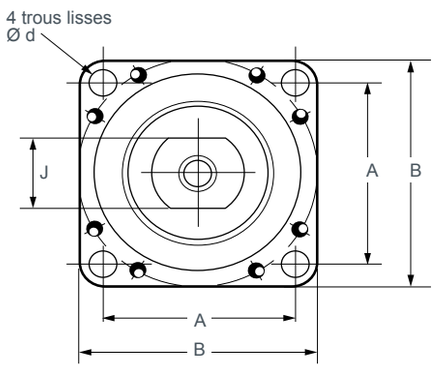


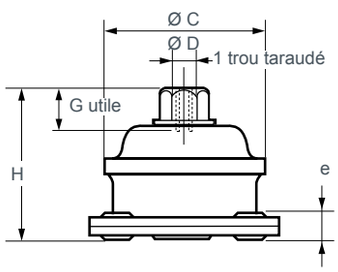
E1FH 866C01
E1FH 2507-01



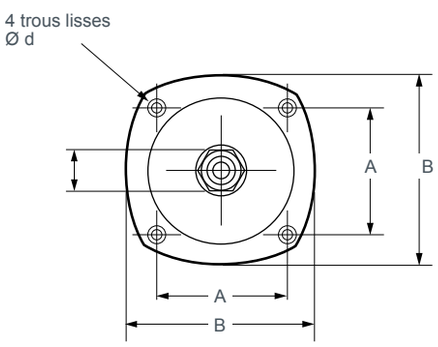


E1FH 76
E1FH 77
E1FH 78





E1FH781 **S01** **C01**



Reference	H Unload. (mm)	H approx. under load (mm)	A (mm)	B (mm)	Ø C (mm)	D	Ø E (mm)	G max. (mm)	J (mm)	Ø d (mm)	e (mm)	h (mm)	Weight approx.
E1FH781S01 **E1FH781C01**	42 43	39 41	35	54	43	M5		10	12	4,5	5,5		120 g
E1FH866C01 **E1FH2507-01**	47	46	49,2	65,3	61,5	M6		15	12	5,2	5		230 g 215 g
E1FH76-01 **E1FH76-02**	70 67	66 65	63,5	77	70	M10	30	19	24	8,4	7,2	49	390 g
E1FH77-01	86	82	88	110,5	96	M12	40	24	34	8,4	8,5	62	930 g
E1FH78-01 **E1FH78-02**	102 98	99 95	107,9	132	117	M16	54	25	44	11	9,5	77,5	1,5 kg

OPERATING CHARACTERISTICS

Natural frequency :
- axial : 10 to 25 Hz;
- radial : 10 to 20 Hz.

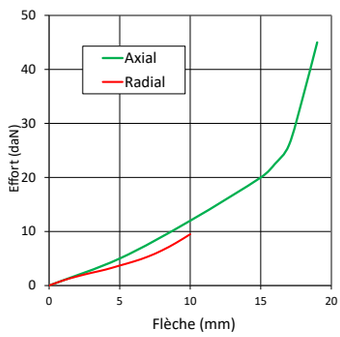
Damping : 20% c/cc (E1FH781, 866, 2507-01);
17% c/cc (E1FH76, 77, 78).

Amplification factor at resonance : 2.5 to 3 max.

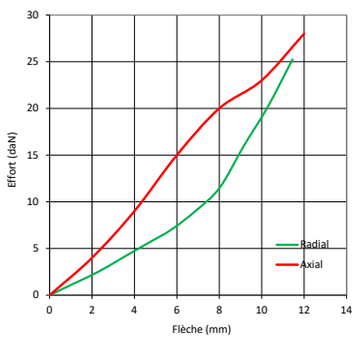
These dampers comply with SEFT 001A, AIR 7304, MIL STD 810 C.

Reference	SEFT 001 A			AIR 7304			MIL STD 810 C		Non standard applications		Shocks and bumps OZ axis	
	Load kg per damper	Axial Fn (Hz)	Radial Fn (Hz)	Load kg per damper	Axial Fn (Hz)	Radial Fn (Hz)	Load kg per damper	Axial Fn (Hz)	Load kg per damper	Radial Fn (Hz)	6 ms 1/2 sine shocks max. input (g)	11 ms 1/2 sinus shocks max. input (g)
E1FH781S01 **E1FH781C01**	-	-	-	0,2 - 2 2 - 5	20 - 25	15 - 20	4	16	1,5 - 3,5 3,5 - 8	10 - 20	70 g	38 g
E1FH866C01	8 - 15	10 - 20	12 - 20	6 - 8	20 - 25	15 - 20	8	20	8 - 15	10 - 20	50 g	27 g
E1FH2507-01	-	-	-	-	-	-	-	-	5 - 8	6 - 10	-	-
E1FH76-01 **E1FH76-02**	14 - 20 18 - 30	10 - 20	12 - 20 11 - 16	7 - 12 9 - 20	20 - 25	15 - 20	14 18	18 17	14 - 20 18 - 30	10 - 20	40 g 55 g	22 g 30 g
E1FH77-01	20 - 50	10 - 20	10 - 17	-	-	-	30	15	20 - 50	10 - 20	50 g	25 g
E1FH78-01 **E1FH78-02**	50 - 100 90 - 130	10 - 20	10 - 16 10 - 15	-	-	-	75 100	10 11	50 - 100 90 - 130	10 - 20	40 g	22g

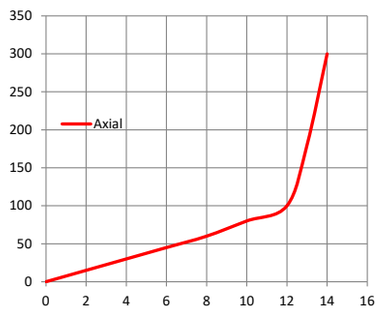
E1FH 781 S01



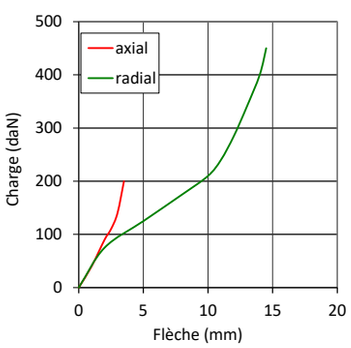
E1FH781 C01
Axial et radial



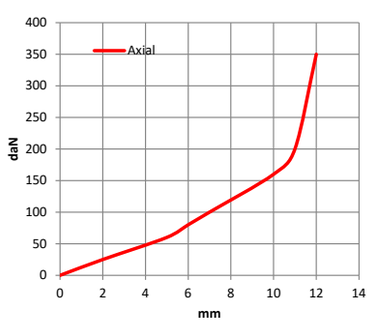
E1FH866C01



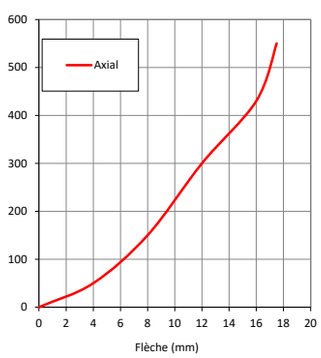
E1FH 78 - 02



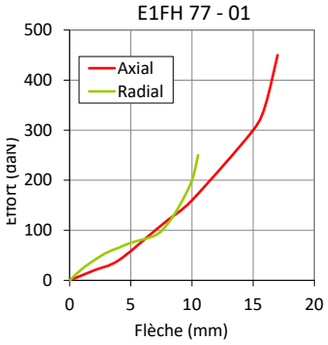
E1FH76-01



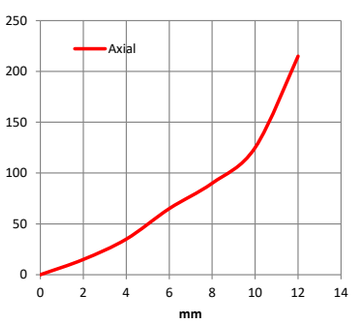
E1FH78-01



E1FH 77 - 01



E1FH76-02



E1FH2507-01