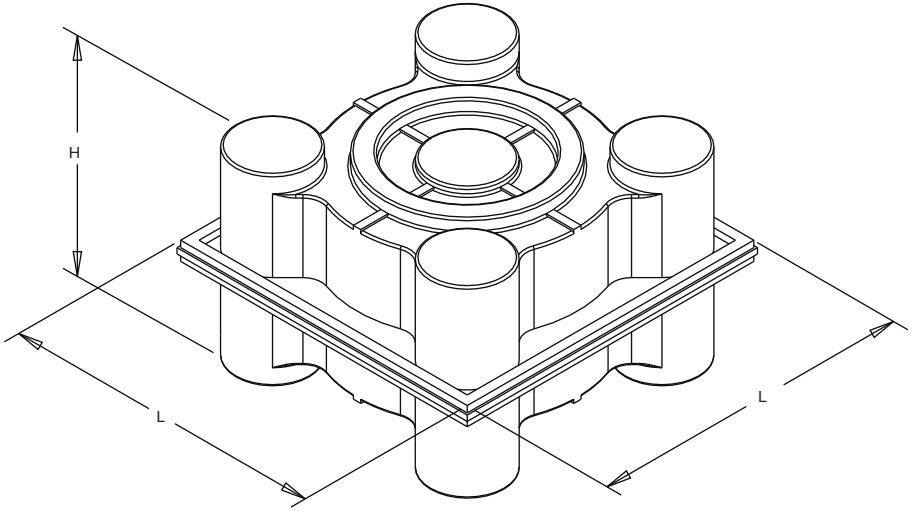
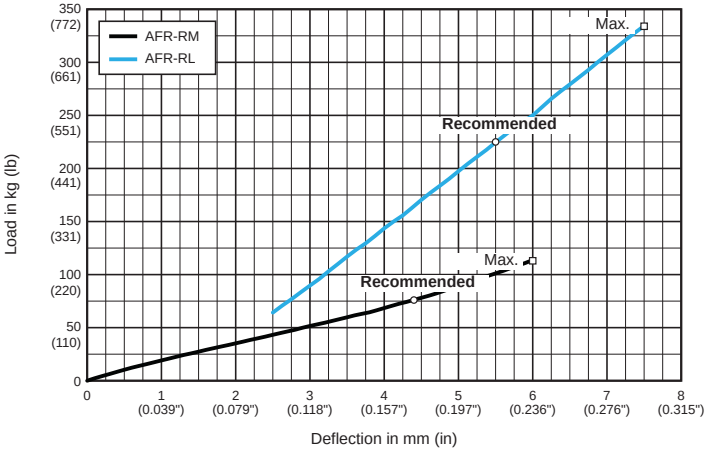
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REV	DESCRIPTION	DATE	BY	APP'L
5	Unit weight and creep note added; layout updated.	10.11.2026	MMD	EK

APPROVED DRAWING
EK
10.11.2026
CAD



Load - Deflection Graph



ISOLATOR TYPE	ISOLATOR PROPERTIES								
	Shore A Hardness	Length Width L (mm)	Height H (mm)	Load Case	METRIC		IMPERIAL		Unit weight (kg)
					Deflection (mm)	Load (kg)	Deflection (in)	Load (lb)	
AFR-RM	70	55	40	**Recommended**	**4.40**	**76**	**0.17"**	**168**	0.11
				Max.	6.00	113	0.24"	249	
AFR-RL	70	78	50	**Recommended**	**5.50**	**225**	**0.22"**	**495**	0.25
				Max.	7.50	334	0.30"	736	

NOTES:

1. Max. Load is a static limit; select by Recommended Load for isolation and service life.
2. Deflections are short-term laboratory values; allow for c. 20% creep under sustained load.
3. Mount spacing follows the total load on the floating slab — the slab and everything it carries. Equipment positions require local densification. Contact Acrefine for layout.
4. Unit weight is the weight of the mount alone; packaging is not included.
5. Mounts must be installed per Installation Instruction 9270.
6. AFR-RL curve shown from 60 kg; below that the test record reflects specimen bedding-in.

POD
PERFORMANCE OUTLINE DRAWING

AFR-R Type
Floating Floor Mount

ACREFINE ENGINEERING

PROJECT INFORMATION			
CUSTOMER		PROJECT NAME	
ENGINEER			
DATE		LOCATION	
PROJECT No.			

DRAWING No.	8485	REV
DRAWN BY	MMD	5
DATE	10.11.2026	
SCALE	NTS	Page 1 of 2

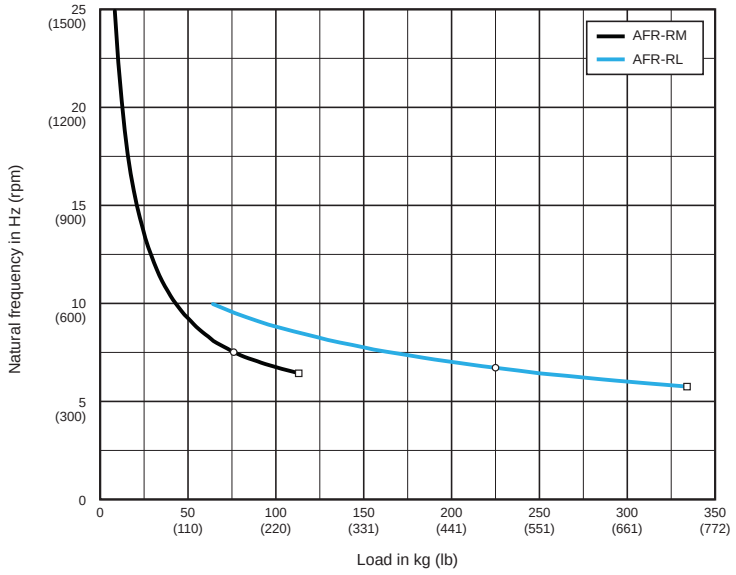
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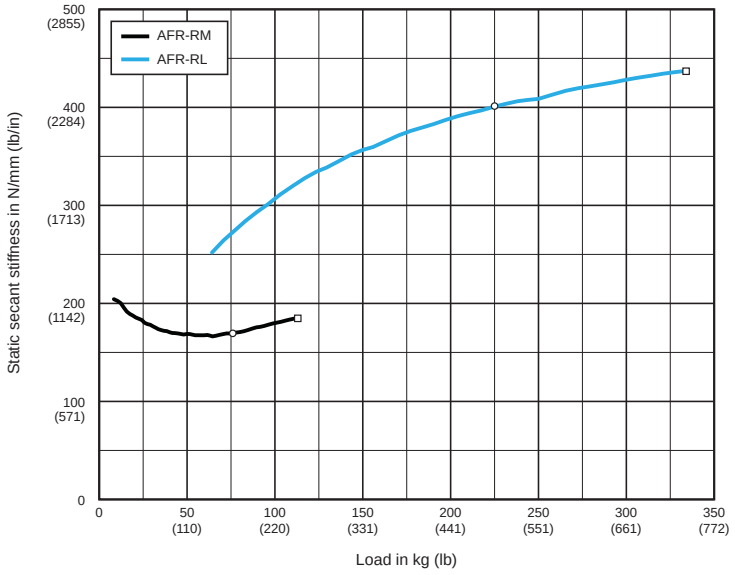
Vibration Isolation and Noise Control Properties of AFR-R Type Floating Floor Mount

NATURAL FREQUENCY CURVES

(estimated from static deflection, per industry practice)



STATIC SECANT STIFFNESS



NOTES:

1. Recommended (○) and Max. (□) loads are marked; curves end at the Max. Load.
2. Natural frequency is estimated from static deflection: f = 15.76 / √δ (f in Hz, δ in mm).
3. Static secant stiffness k = 9.81 × load / δ (k in N/mm, load in kg, δ in mm).
4. AFR-RL curves shown from 60 kg; below that the test record reflects specimen bedding-in.

Disclaimer: The information provided in these technical documents constitutes a summary related to the product itself and not the intended application. We do recommend that you seek further advice regarding actual field application from our engineers or authorised partners. The latest version of this document is available to download from www.acrefine.com.

POD
PERFORMANCE OUTLINE DRAWING

AFR-R Type
Floating Floor Mount

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