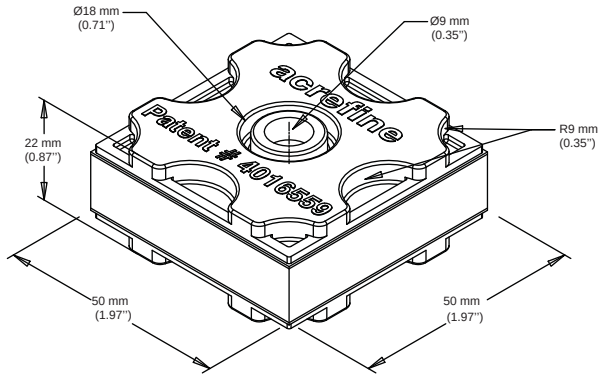
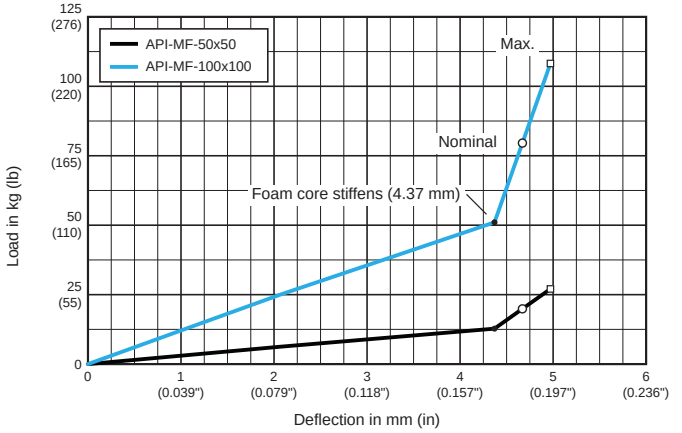
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REV	DESCRIPTION	DATE	BY	APP'L
3	Unit weight and creep note added; layout updated.	10.11.2026	MMD	EK

APPROVED DRAWING
EK
10.11.2026
CAD

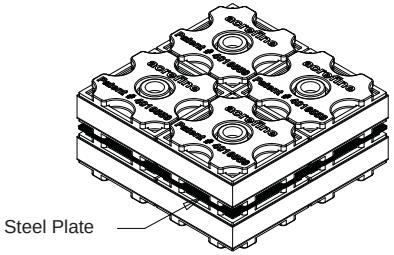


Load - Deflection Graph



PRODUCT CODE	PAD PROPERTIES				
	METRIC		IMPERIAL		Unit weight (kg)
	Std. Size (L x W) (mm)	Load Nom. / Max. (kg)	Std. Size (L x W) (in)	Load Nom. / Max. (lb)	
API-MF-50x50	50x50	20 / 27	2x2	44 / 60	0.04
API-MF-100x100	100x100	80 / 108	4x4	176 / 238	0.15
API-MF-150x150	150x150	180 / 243	6x6	397 / 536	0.33
API-MF-200x200	200x200	320 / 432	8x8	705 / 952	0.57
API-MF-250x250	250x250	500 / 675	10x10	1102 / 1488	0.89
API-MF-300x300	300x300	720 / 972	12x12	1587 / 2143	1.29
API-MF-350x350	350x350	980 / 1323	14x14	2161 / 2917	1.75

Stacked Pads



Product Code Example

API	-	MF	2	-	100	x	100
							Width in mm
					Length in mm		
			Number of stacked pads (omit for a single pad)				
		Combined foam + modular rubber type					
Acrefine pad isolator series							

NOTES:

1. Unloaded pad thickness (H) is 22.00 mm (7/8"). Nominal load for a single module is 20 kg (44 lb), i.e. 75 kPa (10.9 psi), deflection 4.7 mm (0.19"). Maximum load for a single module is 27 kg (60 lb), i.e. 102 kPa (14.8 psi), deflection 5.0 mm (0.20").
2. Under sustained maximum load, deflection increases to approx. 6 mm (0.24") after 1 hour and up to approx. 8 mm (0.31") long term.
3. Full sheet size is 357x357 mm (14"x14"), including cut allowance for the listed cut sizes. Pads must be used in full modules.
4. Construction: two 6.00 mm (1/4") single-sided modular rubber layers bonded to a 10.00 mm (3/8") closed-cell foam core.
5. Unit weight is the weight of the pad alone; packaging is not included.
6. Pads must be installed per Installation Instruction 9204.
7. For more information, watch the product video at: https://www.youtube.com/watch?v=XQ5pmC_qQpo

POD

PERFORMANCE OUTLINE DRAWING

API-MF Type Modular Foam & Rubber Pad

ACREFINE ENGINEERING

PROJECT INFORMATION			
CUSTOMER		PROJECT NAME	
ENGINEER			
DATE		LOCATION	
PROJECT No.			

DRAWING No.	8355	REV
DRAWN BY	MMD	3
DATE	10.11.2026	
SCALE	NTS	Page 1 of 2

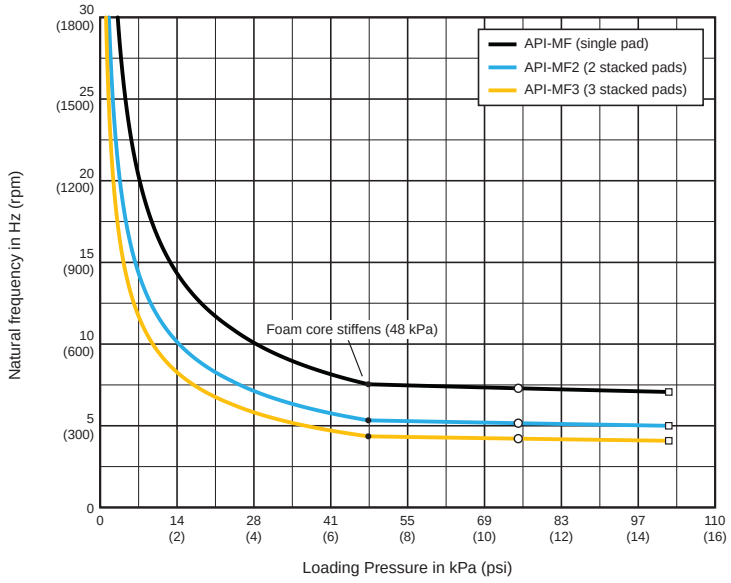
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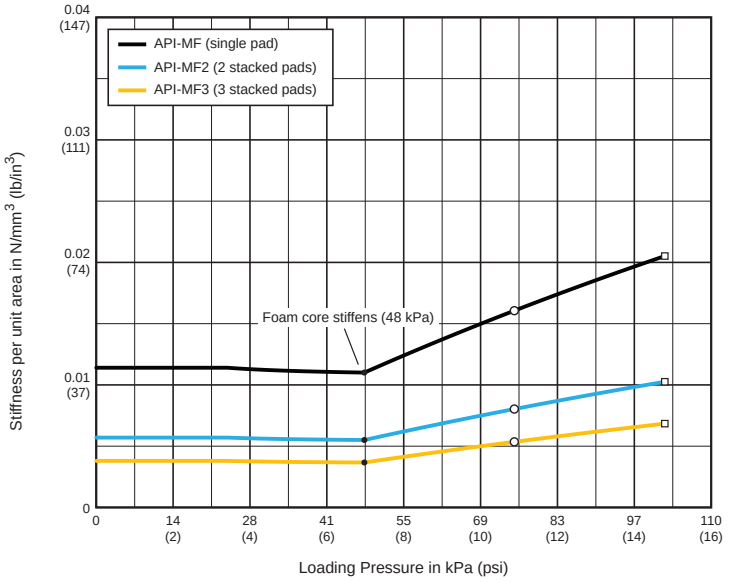
Vibration Isolation and Noise Control Properties of API-MF Type Modular Foam & Rubber Pad

NATURAL FREQUENCY CURVES

(estimated from static deflection, per industry practice)



STATIC SECANT STIFFNESS PER UNIT AREA



NOTES:

1. Curves apply to all pad sizes. Nominal 75 kPa (10.9 psi) and max. 102 kPa (14.8 psi) loading pressures are marked.
2. Natural frequency is calculated from static deflection: $f = 15.76 / \sqrt{\delta}$ (f in Hz, δ in mm).
3. Pad stiffness (N/mm) = stiffness per unit area × loaded pad area (mm^2). Stacked pads are separated by steel plates.

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

API-MF Type Modular Foam & Rubber Pad

ACREFINE ENGINEERING

PROJECT INFORMATION			
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DRAWING No.	8355	REV
DRAWN BY	MMD	3
DATE	10.11.2026	
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