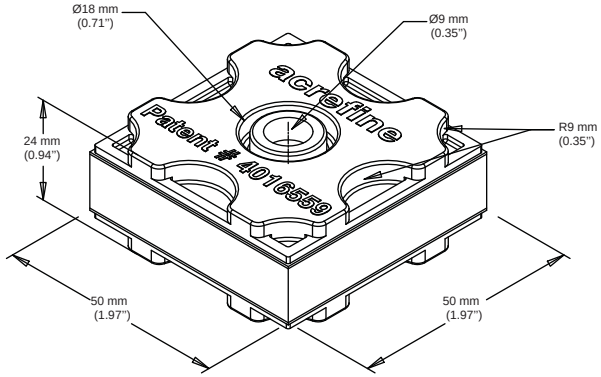
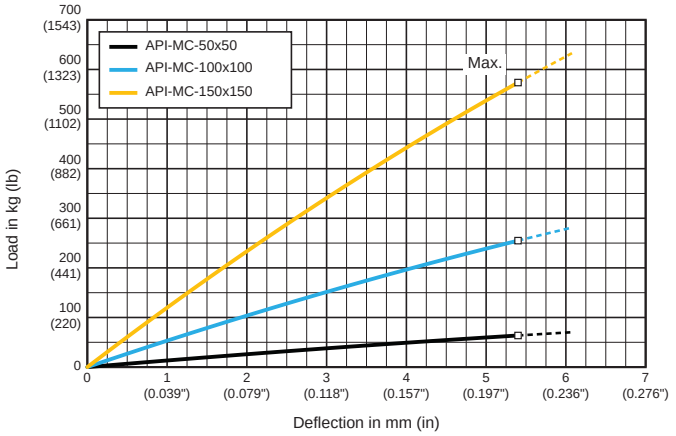
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REV	DESCRIPTION	DATE	BY	APP'L
5	Logo, notes, table and graphs updated.	28.10.2026	MMD	EK



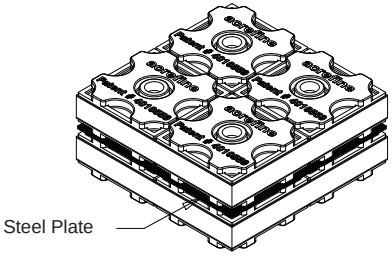
APPROVED
EK
28.10.2026
CAD
DRAWING

Load - Deflection Graph



PRODUCT CODE	PAD PROPERTIES			
	METRIC		IMPERIAL	
	Std. Size (L x W) (mm)	Load Capacity (kg)	Std. Size (L x W) (in)	Load Capacity (lb)
API-MC-50x50	50x50	64	2x2	141
API-MC-100x100	100x100	255	4x4	562
API-MC-150x150	150x150	574	6x6	1265
API-MC-200x200	200x200	1020	8x8	2249
API-MC-250x250	250x250	1593	10x10	3512
API-MC-300x300	300x300	2294	12x12	5057
API-MC-350x350	350x350	3123	14x14	6885

Stacked Pads



Product Code Example

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

NOTES:
1. Recommended max. loading for a single module is 64 kg (141 lb), i.e. 250 kPa (36 psi).
2. Unloaded pad thickness (H) is 24.00 mm (15/16"). Deflection at maximum load is 5.40 mm (0.21").
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 12.00 mm (1/2") closed-cell, peroxide cross-linked EVA foam core — density 190 kg/m³ (11.9 lb/ft³), Shore C 50 ± 5.
5. Pads must be installed per Installation Instruction 9202.
6. For more information, watch the product video at:

https://www.youtube.com/watch?v=XQ5pmC_qQpo

POD
PERFORMANCE OUTLINE DRAWING

API-MC Type Modular EVA & Rubber Pad

ACREFINE ENGINEERING

PROJECT INFORMATION			
CUSTOMER		PROJECT NAME	
ENGINEER			
DATE		LOCATION	
PROJECT No.			

DRAWING No.	8352	REV
DRAWN BY	MMD	5
DATE	28.10.2026	
SCALE	NTS	Page 1 of 2

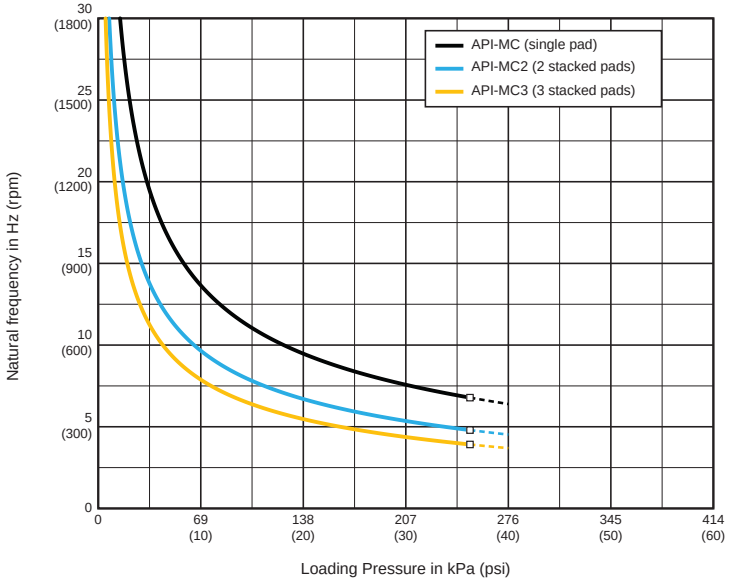
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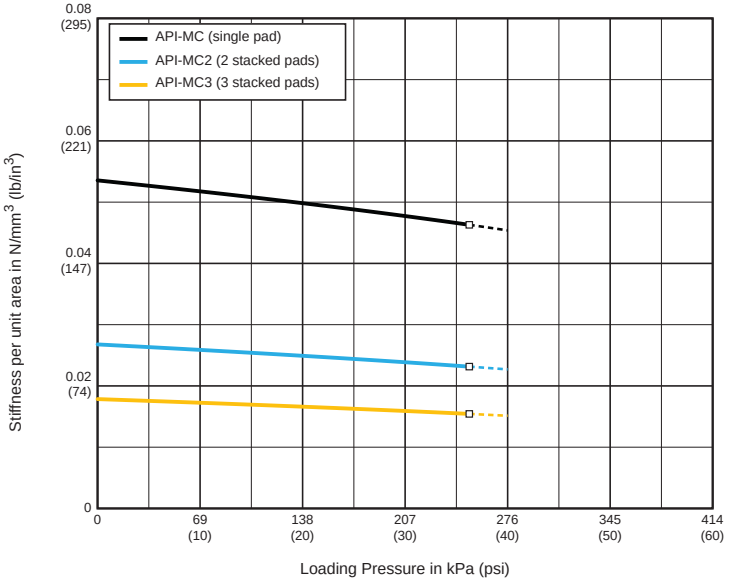
Vibration Isolation and Noise Control Properties of API-MC Type Modular EVA & Rubber Pad

NATURAL FREQUENCY CURVES

(estimated from static deflection, per industry practice)



STATIC SECANT STIFFNESS PER UNIT AREA



NOTES:

1. Curves apply to all pad sizes. Max. loading pressure 250 kPa (36 psi) is marked; dashed lines are beyond the recommended range.
2. Natural frequency is calculated from static deflection: f = 15.76 / √δ (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-MC Type Modular EVA & Rubber Pad

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