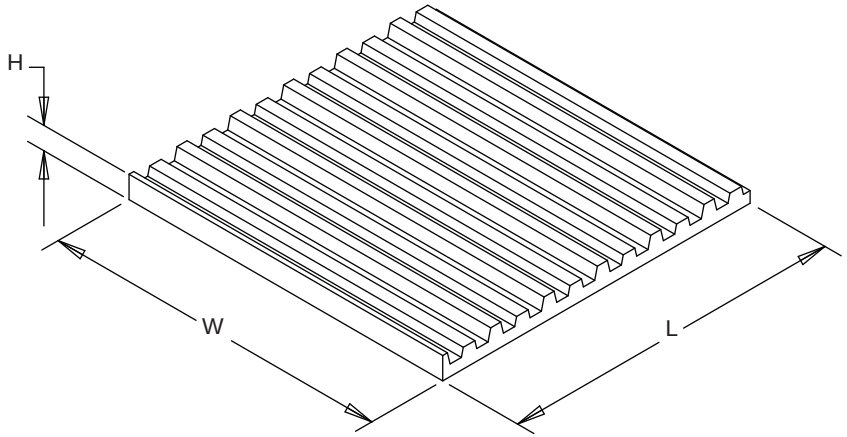
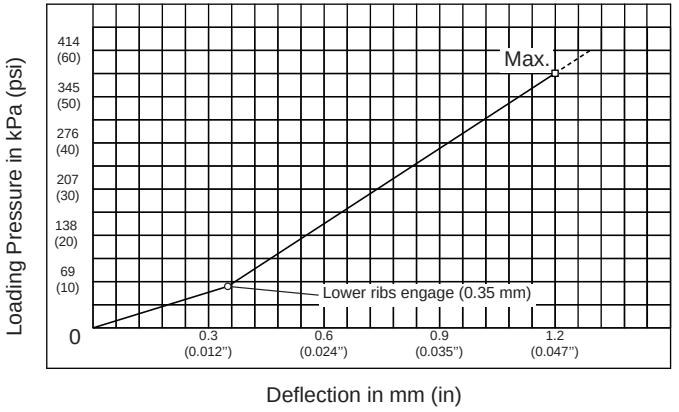
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REV	DESCRIPTION	DATE	BY	APP'L
3	Logo, notes, table and graphs updated.	28.10.2026	MMD	EK



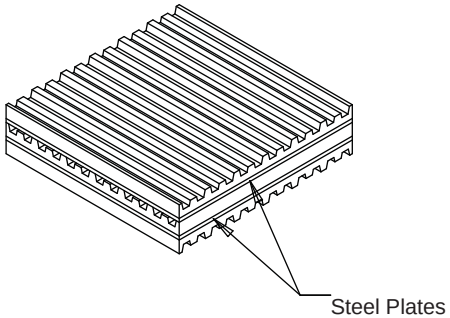
APPROVED
EK
28.10.2026
CAD
DRAWING

Pressure - 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-S-50x50	50x50	97	2x2	214
API-S-100x100	100x100	387	4x4	853
API-S-150x150	150x150	872	6x6	1922
API-S-200x200	200x200	1550	8x8	3417
API-S-250x250	250x250	2422	10x10	5340
API-S-300x300	300x300	3487	12x12	7688
API-S-350x350	350x350	4747	14x14	10465
API-S-450x450	450x450	7847	18x18	17300

Stacked Pads



Product Code Example

API	-	S	3	-	50	x	50

- 50 (after x): Width in mm
- 50 (after -): Length in mm
- 3: Number of stacked pads (omit for a single pad)
- S: Single-sided ribbed type
- API: Acrefine pad isolator series

NOTES:
1. Recommended max. loading pressure is 380 kPa (55 psi).
2. Unloaded pad thickness (H) is 7.70 mm (5/16"). Deflection at maximum load is 1.20 mm (0.05").
3. Full sheet size is 457x457 mm (18"x18"), including cut allowance for the listed cut sizes.
4. Pads must be installed per Installation Instruction 9203.
5. For more information, watch the product video at:

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

POD
PERFORMANCE OUTLINE DRAWING

API-S Type Single-Sided Ribbed Rubber Pad

ACREFINE ENGINEERING

PROJECT INFORMATION			
CUSTOMER		PROJECT NAME	
ENGINEER			
DATE		LOCATION	
PROJECT No.			

DRAWING No.	8353	REV
DRAWN BY	MMD	3
DATE	28.10.2026	
SCALE	NTS	Page 1 of 2

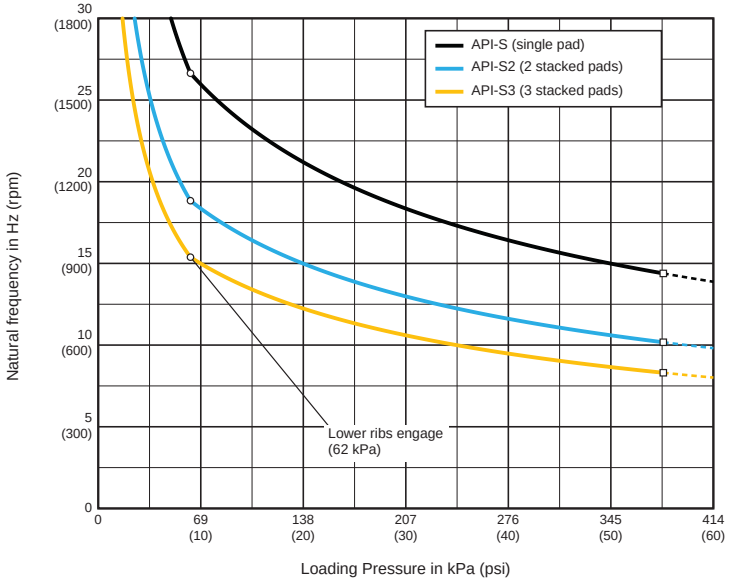
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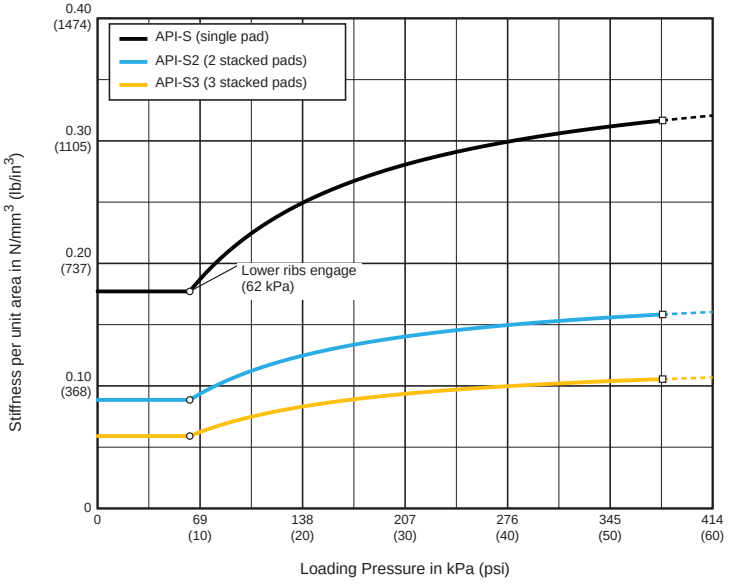
Vibration Isolation and Noise Control Properties of API-S Type Single-Sided Ribbed Rubber Pad

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 380 kPa (55 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-S Type Single-Sided Ribbed Rubber Pad

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DRAWING No.	8353	REV
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