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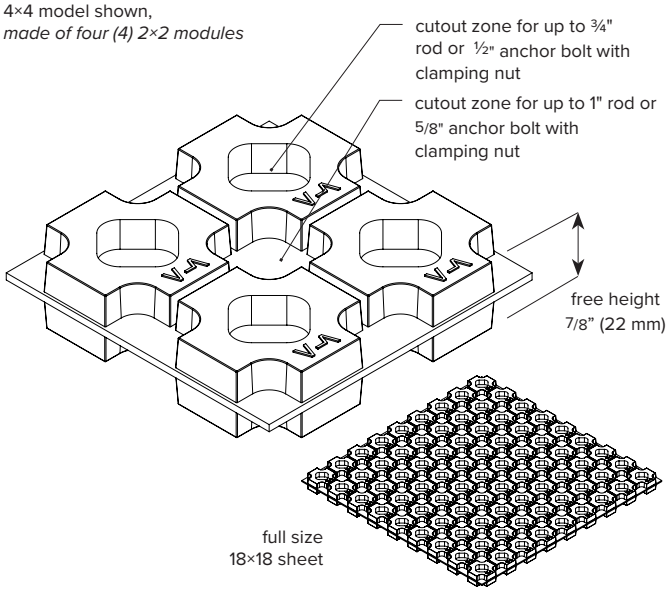
Neo+™ Vibration Isolation Pads

NP

File No.: DS-NP-005 Date: 07 Aug 2024
Supersedes: DS-NP-004 Date: 28 Apr 2020

Neo+™ PAD

4×4 model shown,
made of four (4) 2×2 modules



Neo+	Min. Load & Defl.	Design Load & Defl. (at 20% height)	Max. Load & Defl. (at 25% height)
NP-Black 40 Duro	15 psi (103 kPa)	30 psi (207 kPa)	40 psi (276 kPa)
	0.1" (2.5 mm)	0.18" (4.5 mm)	0.22" (5.5 mm)
NP-Green 60 Duro	40 psi (276 kPa)	80 psi (552 kPa)	100 psi (690 kPa)
	0.1" (2.5 mm)	0.18" (4.5 mm)	0.22" (5.5 mm)

NOTES

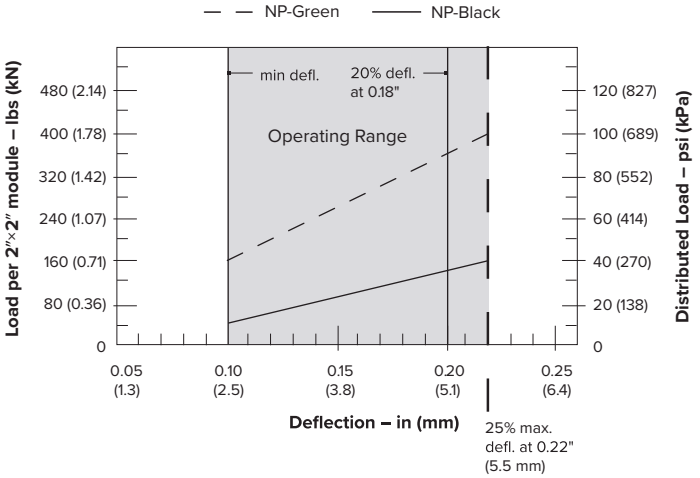
- Full size sheets are 18×18×⅞" (460 × 460 × 22 mm)
- Each sheet has 81 2"×2" (50 × 50 mm) modules
- Modules can be easily cut into desired size using a utility knife
- NP is made of high strength virgin neoprene.
- NP-Green is color coded with paint stripe on each 2"×2" (50 × 50 mm) module
- Recommended load is at 20% deflection (0.18", 4.5 mm) per Neo+ layer
- Maximum load is at 25% deflection (0.22", 5.6 mm) per Neo+ layer
- Optional steel load distribution plates or stacked combinations are available upon request
- Standard steel shim plates are 10ga galvanized steel. Some applications require thicker plates for even load distribution. Contact VA for further information.
- Common stacked combinations are NPS and NPsNP
- NPS: Steel load distribution plate on NP layer (free height:1"(25mm))
- NPsNP: includes two layers. NP on both sides of a galvanized steel plate (free height:1-7/8"(48mm). Provided twice deflection at the same loading as shown in the tables above.

PERFORMANCE

Model	Size in	Size mm	Load Capacity @ recommended 0.18 in (4.5 mm) lb	Load Capacity kN	Pad Weight † lb	Pad Weight † kg
NP 22-Black	**2×2**	50×50	**120**	0.53	**0.1**	0.04
NP 24-Black	**2×4**	50×100	**240**	1.07	**0.2**	0.08
NP 26-Black	**2×6**	50×150	**360**	1.60	**0.3**	0.12
NP 44-Black	**4×4**	100×100	**480**	2.14	**0.4**	0.16
NP 46-Black	**4×6**	100×150	**720**	3.20	**0.5**	0.24
NP 66-Black	**6×6**	150×150	**1080**	4.80	**0.8**	0.36
NP 1018-Black	**10×18**	250×460	**5400**	24.02	**4.0**	1.81
NP 1818-Black	**18×18**	460×460	**9720**	43.24	**7.2**	3.27
NP 22-Green	**2×2**	50×50	**320**	1.42	**0.1**	0.04
NP 24-Green	**2×4**	50×100	**640**	2.85	**0.2**	0.09
NP 26-Green	**2×6**	50×150	**960**	4.27	**0.3**	0.13
NP 44-Green	**4×4**	100×100	**1280**	5.69	**0.4**	0.17
NP 46-Green	**4×6**	100×150	**1920**	8.54	**0.6**	0.26
NP 66-Green	**6×6**	150×150	**2880**	12.81	**0.9**	0.39
NP 1018-Green	**10×18**	250×460	**14400**	64.05	**4.3**	1.97
NP 1818-Green	**18×18**	460×460	**25920**	115.30	**7.8**	3.53

† weights are approximate

Neo+™ Load vs. Deflection
For a single layer of Neo+



Project:			plan view of mount locations	1:	6:
Customer:				2:	7:
Consultant:				3:	8:
Dwg No.:	**Rev:**	**Drawn by:**		4:	9:
V-A Project Manager:				5:	10:
				QTY of sets required:	
TAG:			**EQUIPMENT:**		
COMMENTS:				**DATE:**	