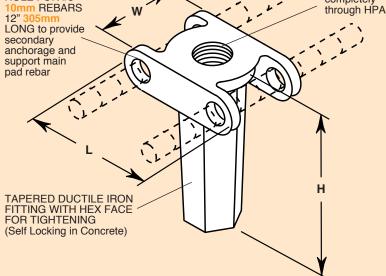
## ASON INDUSTRIES. Manufacturers of Vibration Control Products **SEISMIC** 350 Rabro Drive 2101 W. Crescent Ave., Suite D HOUSEKEEPING Hauppauge, NY 11788 631/348-0282 Anaheim, CA 92801 714/535-2727 FAX 714/535-5738 **PAD ANCHOR** FAX 631/348-0279 **DATA SHEET DS-212-3** Info@Mason-Ind.com • www.Mason-Ind.com **Primary Function** 7/16" **11mm** "**D**" TAP-DIAMETER Tapping goes HOLE FOR #3 completely



## **TYPE HPA DIMENSIONS (inches)**

					SAS Stud Anchor Capacity in 3000 lb Concrete			
Size	L	W	Н	D	Tension (lbs)	Shear (lbs)		
HPA-1/2	21/8	11/4	3	1/2UNC	1073	1055		
HPA-5/8	23/8	11/2	3	5/8UNC	1451	2845		
HPA-3/4	23/4	13/4	3	3/4UNC	1665	3870		

## **TYPE HPA DIMENSIONS (mm)**

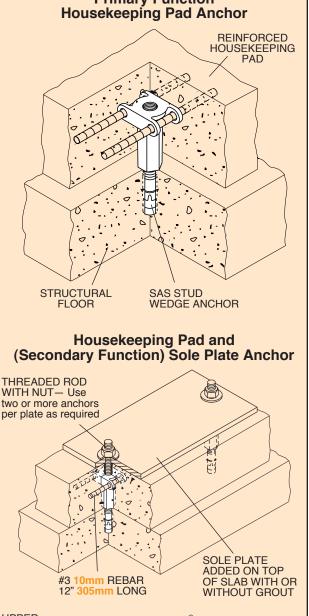
Size	L	W	н	D	SAS Stud Anchor Capacity in 20 Mpa Concrete Tension (kgs) Shear (kgs)		
HPA-1/2	54	32	75	1/2UNC	487	480	
HPA-5/8	60	38	75	5/8UNC	657	1290	
HPA-3/4	70	44	75	3/4UNC	756	1755	

A major cause of equipment restraint failure is the breaking up of housekeeping pads. Virtually all housekeeping pads are poured independently after completion of the structure. In many cases there is no mechanical attachment to the structural floor and the pad itself may not be reinforced.

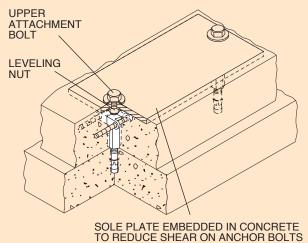
The floor diaphragm vibrates vertically and under resonant conditions generates more than 1g. This tosses the pad and the machine attached to it. As the pad crashes back it breaks up and the equipment loses all anchorage.

Since housekeeping pad sizes and locations are not established until after a machine room floor is poured there is no way to cast in rebar pad stirrups. There is an undefined engineering area as to who should design and what type of cast in restraints should be used. In designing the HPA anchor system we have assumed the responsibility as part of our system certification.

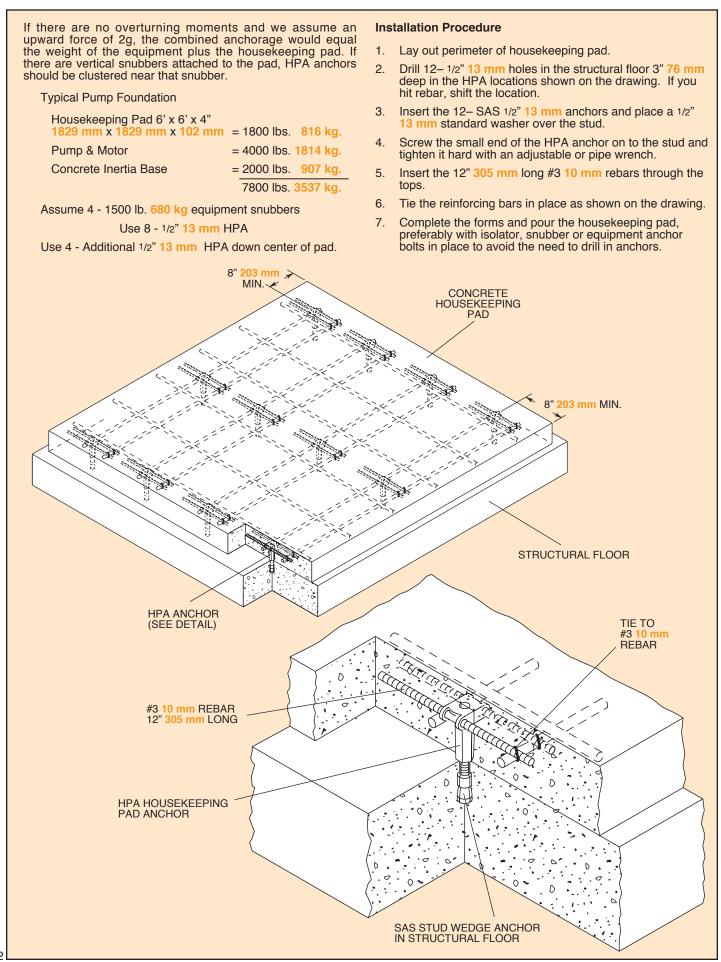
The HPA anchor is manufactured in three sizes and has three anchoring capacities. The inverted hexagonal pyramid is self-locking in the housekeeping pad and has provision for passing 2 #3 rebars through the holes on top for positioning the pad reinforcement system. The number of anchors that are needed depend on the HPA size and the vertical rating of the SAS stud anchor as listed.



HPA



## **MASON INDUSTRIES**



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