

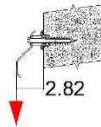
Safe working loads for wall mount (shear) applications are as follows:



**Application #1: Cantilevered stud**

Restraint factor approaching zero.  
 Static Loading @1g  
 Allowable downward shear force parallel to wall and within 1.20" of wall plane

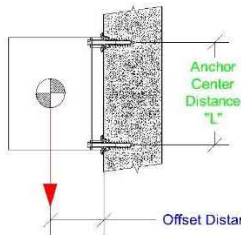
IMP-AS-375, IMP-AD-375, IMP-AD-250, and IMP-AD-210 are rated for 35#  
 IMP-AD-375-S, IMP-AD-250-S, and IMP-AD-210-S are rated for 17#



**Application #2: Cantilevered stud with Food Grade Strut**

Restraint factor approaching zero.  
 Static Loading @1g  
 Downward shear force parallel to wall and within 2.82" of wall plane

IMP-AS-375, IMP-AD-375, IMP-AD-250, and IMP-AD-210 are rated for 25#  
 IMP-AD-375-S, IMP-AD-250-S, and IMP-AD-210-S are rated for 12#



**Application #3: Pair of Studs Coupled Vertically**

Restraint factor approaching one.  
 Static Loading @1g  
 Use charts below:

SWL (Safe Working Load Chart) in Lbs. for:  
 IMP-AD-375-S, IMP-AD-250-S, IMP-AD-210-S

		Offset distance from wall "D"			
		3"	4"	5"	6"
Anchor center distance "L"	6"	20	15	12	7
	9"	25	22	20	10
	12"	30	25	22	20
	24"+	35	30	27	25

SWL (Safe Working Load Chart) in Lbs. for:  
 IMP-AD-375, IMP-AD-250, IMP-AD-210

		Offset distance from wall "D"			
		3"	4"	5"	6"
Anchor center distance "L"	6"	40	30	25	15
	9"	50	45	40	20
	12"	60	50	45	40
	24"+	70	60	55	50

SWL (Safe Working Load Chart) in Lbs. for:  
 IMP-AS-375

		Offset distance from wall "D"			
		3"	4"	5"	6"
Anchor center distance "L"	6"	40	30	25	15
	9"	55	50	40	20
	12"	65	55	50	40
	24"+	80	70	60	50

SWL (Safe Working Load Chart) in Lbs. for:  
 IMP-HDT-375 upper + IMP-AD-375 lower

		Offset distance from wall "D"			
		3"	4"	5"	6"
Anchor center distance "L"	6"	60	45	30	20
	9"	80	55	40	30
	12"	100	80	55	45
	24"+	120	100	80	60

Food Grade Solutions LLC 559-834-1219 [www.foodgradesolutions.com](http://www.foodgradesolutions.com) PO Box 69 Fowler, CA 93625  
 Food Grade Strut® is a registered trademark of Food Grade Solutions LLC, Fowler, Ca 93625  
 FGS systems are Patent Protected 7651056, 7926760, 7931242 and other patents pending.