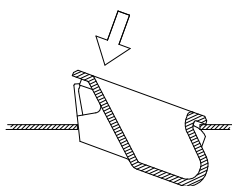
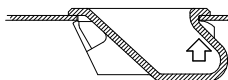


GENERAL PERFORMANCE GUIDELINES

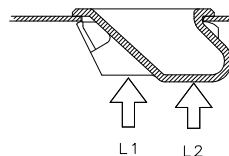
The information shown on this page was determined under one set of test conditions. Since conditions vary with each application, it is supplied as a general guide only. No safety factor has been applied. We recommend testing the product under actual application conditions to determine its suitability for the intended use.



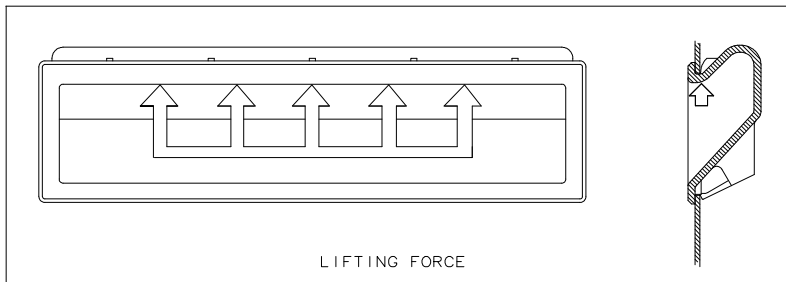
INSTALLATION FORCE



PULL-OUT FORCE



PUSH-OUT FORCES



LIFTING FORCE

PART NUMBER	PANEL THICKNESS (MM/IN) ^(A)	AVERAGE INSTALLATION FORCE (N/LBS)	LIFTING FORCE (N/LBS)		PULL-OUT FORCE (N/LBS)		PUSH-OUT FORCES (N/LBS)	
			WORKING ^(B)	ULTIMATE ^(C)	WORKING ^(B)	ULTIMATE ^(C)	L1 ^(D)	L2 ^(E)
P2-51	1.19/.047	22/5	1780/400	5340/1200 ⁽¹⁾	620/140	1600/360 ⁽¹⁾	890/200 ⁽²⁾	800/180 ⁽⁴⁾
P2-52	1.42/.056	27/6	"	"	"	1740/390 ⁽¹⁾	1220/275 ⁽³⁾	820/185 ⁽⁴⁾
P2-53	1.93/.076	45/10	"	"	"	2540/570 ⁽¹⁾	1340/300 ⁽³⁾	930/210 ⁽⁴⁾
P2-54	2.39/.094	110/25	"	"	"	3700/830 ⁽¹⁾	1600/360 ⁽³⁾	1020/230 ⁽⁴⁾

PART NUMBER	PANEL THICKNESS (MM/IN) ^(A)	AVERAGE INSTALLATION FORCE (N/LBS)	LIFTING FORCE (N/LBS)		PULL-OUT FORCE (N/LBS)		PUSH-OUT FORCES (N/LBS)	
			WORKING ^(B)	ULTIMATE ^(C)	WORKING ^(B)	ULTIMATE ^(C)	L1 ^(D)	L2 ^(E)
P2-41	1.19/.047	22/5	1780/400	5340/1200 ⁽¹⁾	440/100	660/150 ⁽¹⁾	750/170 ⁽²⁾	800/180 ⁽⁴⁾
P2-42	1.42/.056	31/7	"	"	620/140	1240/280 ⁽¹⁾	890/200 ⁽³⁾	820/185 ⁽⁴⁾
P2-43	1.93/.076	22/5	"	"	"	1240/280 ⁽¹⁾	890/200 ⁽³⁾	930/210 ⁽⁴⁾
P2-44	2.39/.094	27/6	"	"	"	2670/600 ⁽¹⁾	800/180 ⁽³⁾	1020/230 ⁽⁴⁾

- (A) All pulls were tested in cold rolled steel panels.
- (B) WORKING FORCE is the maximum force that the product will withstand without affecting the operation or appearance of the product.
- (C) The average ULTIMATE FORCE causes failure of the product or sufficient deformation of the panel to make the product inoperable.
- (D) L1 is a force applied to both retaining legs as shown above. The values shown represent ultimate forces.
- (E) L2 is a force applied at center of cup as shown above. The values shown represent ultimate forces.

FAILURE MODES OBSERVED IN TESTING:

- (1) Panel deformed, however only very slight damage incurred by the pull.
- (2) Panel and both retaining legs of the pull deformed.
- (3) Both retaining legs of the pull deformed.
- (4) Pull deflected excessively under force.