

NEW 6" PSA INSERT & NOTCH STRAPS SHEAR TESTS FAILURE CAPACITY (LBS)

NOTE: Since strap capacity is the limiting strength factor in the PSA system, the notched strap, having the least capacity within the system, adds no additional capacity when used with higher capacity inserts than when used with the MN62 insert. When considering capacity issues, then, the notched strap is recommended for use only with the MN62 insert.

Insert / Nut / Strap	1" Eccentricity		1.5" Eccentricity		2" Eccentricity		3" Eccentricity		
	05' Tests	06' Tests	05' Tests	06' Tests	05' Tests	06' Tests	05' Tests	06' Tests	
M62J w/ 1" nut Threaded Strap		14,601	11,610	12,246		16,485	13,700	14,130	13,700
		15,072		10,362		12,717	14,860	14,130	13,932
	Avg	13,761		11,304		14,441		12,943	
	Lowest	11,300		10,300		9,200		8,800	
M63J w/ 1" nut Threaded Strap			11,610			9,288		15,325	
			12,306			11,145		16,254	
			12,074			13,932		11,145	
	Avg	11,997				11,455		14,241	
Lowest	11,300		10,300		9,200		11,100		
M64J w/ 2" nut Threaded Strap		16,956	6,966*	11,304		18,804	15,789	17,427	10,217
		18,840	17,647	12,717		19,782	18,576	18,840	14,860
	Avg	17,814		12,011		18,238		15,336	
	Lowest	16,900		11,300		15,700		10,200	
MN62J w/ No nut Notch Strap		11,775	12,771	11,304		13,659	13,003	11,775	10,217
		13,188	13,932	13,424		14,130	13,003	12,246	10,217
			13,467				11,610		9,288
	Avg	13,027		12,364		13,081		10,749	
Lowest	11,700		11,300		11,600		9,200		

* = Insert thread sheared - problem specimen, do not use in evaluating capacity
 *** = Problem with test specimen

NEW 6" PSA INSERT & NOTCH STRAPS TENSION TESTS FAILURE CAPACITY (LBS)

NEW 6" PSA INSERT & NOTCH STRAPS - TENSION TESTS - FAILURE CAPACITY (LBS)								
Insert / Nut / Strap	Insert Located Away from Concrete Edge				Insert Located Near & Perpendicular to Concrete Edge			
	Strap @ center of slot		Strap @ end of slot		Strap @ center slot	@ end slot, away edge	@ end slot, near edge	
	05' Testing	06' Testing	05' Testing	06' Testing	06' Testing	06' Testing	06' Testing	
M62J w/ 1" nut Threaded Strap		14,860	10,217	14,860	10,217	8,823	7,430	6,501
		16,486	12,539	14,860	12,074	10,217	10,217	
	Avg	13,526		13,003		9,443	8,824	6,501
	Lowest	10,200		10,200		8,800	7,400	6,500
M63J w/ 1" nut Threaded Strap		17,647	14,860	13,932	15,325	13,932	10,217	10,217
		19,504	16,718	14,860	13,932	9,752*	10,217**	
			20,433		15,789	12,539		
	Avg	17,832		14,768		12,074	10,217	10,217
Lowest	14,800		13,900		9,700	10,200	10,200	
M64J w/ 2" nut Threaded Strap		18,576	21,362	15,789	13,932	14,860	11,145	
		19,504	20,433	14,860	17,182	13,003	11,145	
						12,074	***	
	Avg	19,969		15,441		13,312	11,145	
Lowest	18,500		13,900		12,000	11,100		
MN62J w/ No nut Notch Strap		13,932		13,003				
		13,932		12,771				
	Avg	13,932		12,887				
Lowest	10,200		10,200					

* = Pre-existing Crack near insert prior to testing
 ** = Last gage reading, not failure
 *** = Problem with test specimen

J-FINISH ANTI-CORROSION SYSTEM. Comprehensive documentation of this state-of-the-art anti corrosion system can be found in PSA test report # 6. (www.jvi-inc.com) Of special note is that the J-finish can be applied to the threads of a threaded strap...the most vulnerable area to corrosion. Moreover, unlike with hot-dipped galvanized, grinding off of the J-finish before welding is not necessary. This results in on-site labor savings.