

SELECTION CHART

T3MAG Fuel/Pin Pack

1,000 PINS AND 1 FUEL CELL PER BOX.



PART NUMBER	SHANK LENGTH IN. (mm)	DESCRIPTION (comes with T3 fuel cell)
T3012S	1/2 (12.7)	1/2" Plated premium steel pin
T3034B	3/4 (19.1)	3/4" Black concrete pin
T3034S*	3/4 (19.1)	3/4" Plated step shank pin
T3100	1 (25.4)	1" Plated concrete pin=

Shank diameter = .125 *Shank diameter = .104 / .125
 Head diameter = .250

PERFORMANCE TABLE

Gas Fasteners in Steel

PART NUMBER	SHANK DIA. (INCH)	TYPE OF SHANK	INSTALLED IN A36 STRUCTURAL STEEL – STEEL THICKNESS INCHES									
			ALLOWABLE LOAD – Ultimate Load									
			3/16 (.1875)		1/4 (.250)		3/8 (.375)					
		TENSION (LBS)	SHEAR (LBS)	TENSION (LBS)	SHEAR (LBS)	TENSION (LBS)	SHEAR (LBS)					
T3012S	0.125	TAPER SMOOTH	-----	-----	237	1184	356	1782	189	943 ¹⁰	392	1960 ⁷

Collated Gas Fasteners in Concrete

PART NUMBER SERIES	SHANK DIAMETER (INCH)	MINIMUM PENETRATION (INCH)	INSTALLED IN STONE AGGREGATE CONCRETE – CONCRETE COMPRESSIVE STRENGTH											
			ALLOWABLE LOAD – Ultimate Load											
			2000 PSI		3000 PSI		4000 PSI							
		TENSION (LBS)	SHEAR (LBS)	TENSION (LBS)	SHEAR (LBS)	TENSION (LBS)	SHEAR (LBS)	TENSION (LBS)	SHEAR (LBS)					
T3 Straight Shank	0.125	5/8	83	414	109	611	-----	-----	78	426	80	574		
		3/4	107	541	156	855	-----	-----	104	593	195	977		
PART NUMBER SERIES	SHANK DIAMETER (INCH)	MINIMUM PENETRATION (INCH)	INSTALLED IN STONE AGGREGATE CONCRETE – CONCRETE COMPRESSIVE STRENGTH											
			ALLOWABLE LOAD – Ultimate Load											
			3000 PSI LIGHT WEIGHT CONCRETE		3000 PSI LIGHT WEIGHT CONCRETE WITH METAL DECK		HOLLOW CONCRETE MASONRY UNITS (CMU) ANY LOCATION							
		TENSION (LBS)	SHEAR (LBS)	TENSION (LBS)	SHEAR (LBS)	TENSION (LBS)	SHEAR (LBS)	TENSION (LBS)	SHEAR (LBS)					
T3 Straight Shank	0.125	5/8	84	418	108	540	72	361	242	1210	20 ⁹	243	34	264
		3/4	108	540	173	864	93	470	288	1442	-----	-----	-----	-----