

TRAKFAST GAS TOOL FASTENERS

Ramset collated Gas Tool Fasteners are specifically engineered for optimal performance in Ramset Gas Power Tools using fastener magazines

SELECTION CHART

TrakFast Standard Fuel /Pin Pack

STRAIGHT SHANK



For high volume, repetitive fastenings to concrete and steel such as drywall track to concrete. 1,000 pins and 1 fuel cell per box.

PART NUMBER	SHANK LENGTH IN. (mm)	DESCRIPTION
FPP034B	3/4 (19.1)	3/4" Black pin
FPP114	1-1/4 (31.8)	1-1/4" Plated pin

Shank diameter = .109 Head diameter = .250

TrakFast Premium Fuel /Pin Pack

STEP SHANK



For high volume, repetitive fastenings to hard concrete and hard steel such as drywall track to hard concrete and steel. 1,000 pins and 1 fuel cell per box.

PART NUMBER	SHANK LENGTH IN. (mm)	DESCRIPTION
FPPSP916	9/16 (14.3)	9/16" Gold pin

Shank diameter = .104 / .118 Head diameter = .250

Trakfast Breakaway Strip Fuel/Pin

STRAIGHT SHANK



For high volume, repetitive fastenings to concrete such as wood furring to concrete. 1,000 pins and 1 fuel cell per box.

PART NUMBER	SHANK LENGTH IN. (mm)	DESCRIPTION
FPP112T	1-1/2 (38.1)	1-1/2" Plated pin

Shank diameter = .109 Head diameter = .250

Ramset fasteners may be specified by their type or catalog number to satisfy fastening requirements.

PIN SPECIFICATIONS

Made from AISI 1060-1065 steel. Austempered to a core hardness of 52-56 Rc
 Typical tensile strength: 270,000 psi
 Typical shear strength: 162,000 psi
 Standard finishes
 - Proprietary black
 - Mechanical zinc plate to a minimum thickness of .0002 meets requirements of ASTM B695
 - Electroplated zinc with yellow chromate

APPROVALS/LISTING

ICC Evaluation Service, Inc.

#ESR-2579 TrakFast Pins

City of Los Angeles

#RR-25264 TrakFast pins

PERFORMANCE TABLES
Collated Gas Fasteners in Concrete

PART NUMBER SERIES	SHANK DIAMETER (INCH)	MINIMUM PENETRATION (INCH)	INSTALLED IN STONE AGGREGATE CONCRETE – CONCRETE COMPRESSIVE STRENGTH							
			ALLOWABLE LOAD – <i>Ultimate Load</i>							
			2000 PSI		3000 PSI		4000 PSI			
		TENSION (LBS)	SHEAR (LBS)	TENSION (LBS)	SHEAR (LBS)	TENSION (LBS)	SHEAR (LBS)			
FPP - Straight Shank	0.109	5/8	60 <i>434</i>	55 <i>546</i>	55 <i>453</i>	75 <i>615</i>	55 <i>472</i>	95 <i>685</i>		
		3/4	60 <i>595</i>	80 <i>650</i>	55 <i>583</i>	95 <i>699</i>	55 <i>571</i>	115 <i>749</i>		
FPPSP - Step Shank	0.104/0.118	3/4	-----	-----	-----	-----	-----	51 <i>256</i>	83 <i>418</i>	

PART NUMBER SERIES	SHANK DIAMETER (INCH)	MINIMUM PENETRATION (INCH)	INSTALLED IN STONE AGGREGATE CONCRETE – CONCRETE COMPRESSIVE STRENGTH							
			ALLOWABLE LOAD – <i>Ultimate Load</i>							
			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)			
FPP - Straight Shank	0.109	5/8	35 <i>234</i>	55 <i>403</i>	30 <i>239</i>	205 <i>1025</i>	35 <i>347</i>	50 <i>435</i>		
		3/4	80 <i>630</i>	115 <i>756</i>	40 <i>330</i>	235 <i>1284</i>	-----	-----	-----	-----
FPPSP - Step Shank	0.104/0.118	3/4	-----	-----	-----	-----	36 <i>184</i>	58 <i>290</i>		

Note 1: ALLOWABLE loads are shown in the **LARGE BOLD** font, *Ultimate* loads are shown in *smaller italic* font. **Note 2:** Testing conducted in accordance with ICC AC70 & ASTM E1190. **Note 3:** Safety factors are based on coefficient of variation. In accordance with ICC AC70, the safety factor will be no less than 5. **Note 4:** Values shown in concrete are for the fastener only. Connected members must be investigated separately. **Note 5:** Cyclic, fatigue, shock loads, and other design criteria may require a different safety factor. **Note 6:** Job site testing may be required to determine actual job site values. **Note 7:** Minimum edge distance in concrete is 3 inches unless otherwise approved. **Note 8:** For SI: 1 lbf = 4.448 N, 1 inch = 25.4 mm, 1 ksi = 6.89MPa.

Gas Fasteners in Steel

PART NUMBER	SHANK DIA. (INCH)	TYPE OF SHANK	INSTALLED IN A36 STRUCTURAL STEEL – STEEL THICKNESS INCHES							
			ALLOWABLE LOAD – <i>Ultimate Load</i>							
			3/16 (.1875)		1/4 (.250)		3/8 (.375)			
		TENSION (LBS)	SHEAR (LBS)	TENSION (LBS)	SHEAR (LBS)	TENSION (LBS)	SHEAR (LBS)			
FPPSP916	0.104/.118	SMOOTH	-----	-----	148 <i>744</i>	157 <i>787</i>	166 <i>832</i> ¹	157 <i>787</i> ¹		

Note 1: ALLOWABLE loads are shown in the **LARGE BOLD** font, *Ultimate* loads are shown in *smaller italic* font. **Note 2:** Testing conducted in accordance with ICC AC70 & ASTM E1190. **Note 3:** Safety factors are based on coefficient of variation. In accordance with ICC AC70, the safety factor will be no less than 5. **Note 4:** Cyclic, fatigue, shock loads and other design criteria may require a different safety factor. **Note 5:** Job site testing may be required to determine actual job site values. **Note 6:** Values shown are for fastenings that have the entire pointed end of the fastener driven through the steel plate; except as noted below. **Note 7:** Fastener penetration is .31" minimum. **Note 8:** For SI: 1 lbf = 4.448 N, 1 inch = 25.4 mm, 1 ksi = 6.89MPa