

Faster and Safer, Industry-Approved Thermal Break Fastener

Performance Tables:

CONCRETE

PART NUMBER SERIES	CONCRETE STRENGTH (PSI)	ALLOWABLE/ULTIMATE TENSION LOADS (Lbs)
IFC	3600 - 6500	35 - 211

*Bold number is allowable load, second number is average ultimate load

HOLLOW CONCRETE BLOCK

PART NUMBER SERIES	ALLOWABLE/ULTIMATE TENSION LOADS (Lbs)
IFC	35 - 184

*Bold number is allowable load, second number is average ultimate load

STEEL STUDS

PART NUMBER SERIES	SHANK DIAMETER (INCH)	Installed in Cold Formed Steel Framing (lbf)					
		22 GAUGE	20 GAUGE	18 GAUGE	16 GAUGE	14 GAUGE	12 GAUGE
IFS (knurled)	0.100	20 - 120	33 - 200	46 - 280	60 - 360	62 - 371	75 - 448

*Bold number is allowable load, second number is average ultimate load

WOOD

PART NUMBER SERIES	SHANK DIAMETER (INCH)	Installed in 16/32" (1/2" nominal) 4 Ply Plywood Sheathing (lbf)
IFS (knurled)	0.100	16 - 93

*Bold number is allowable load, second number is average ultimate load

Selection Chart:

INSULATION THICKNESS	CONCRETE OR BLOCK PART NO.	STEEL OR WOOD PART NO.	BOX QTY
1"	T4IFC-100	T4IFS-100	500
1-1/2"	T4IFC-112	T4IFS-112	500
2"	T4IFC-200	T4IFS-200	500
2-1/2"	T4IFC-212	T4IFS-212	500
3"	T4IFC-300	T4IFS-300	500
3-1/2"	T4IFC-312	T4IFS-312	500
4"	T4IFC-400	T4IFS-400	500
5"	T4IFC-500	T4IFS-500	500
6"	T4IFC-600	T4IFS-600	400
Tool	T4IF	T4IF	1

Concrete



Steel



Thermal Efficiency:

		INSULATION THICKNESS					
		1 in	2 in	3 in	4 in	5 in	6 in
Reference	U-Factor (W/m ² °C)	1.1786	0.7122	0.5103	0.3976	0.3257	0.2758
	Efficiency (%)	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Stick Pin	U-Factor (W/m ² °C)	1.2442	0.7706	0.5597	0.4397	0.3621	0.3078
	Efficiency (%)	94.88%	92.42%	91.17%	90.43%	89.94%	89.9659
Ramset I-F	U-Factor (W/m ² °C)	1.1845	0.7162	0.5132	0.3999	0.3276	0.2773
	Efficiency (%)	99.50%	99.45%	99.44%	99.43%	99.42%	99.42%

Fastener Specifications:

- Pin Material: Heat treated carbon steel
- Pin Finish: Mechanical Zinc Plated
- Washer Material: High Density Polyethylene (HDPE)
- 2-3/8" Washer Diameter
- The fastener assembly is clearly branded Ramset along with the length of the fastener assembly

Ramset I-F will attach:



Mineral Wool



Extruded Polystyrene



Expanded Polystyrene



Fiberglass



Polyisocyanurate

Effective Fastener Length: 3/4" for IFC- / 1-1/2" for IFS-

Washer Diameter 2-3/8"

Large bearing surface keeps insulation from sagging



Integrated Cap
Closed cap creates thermal break



Washer Point
Designed to pierce dense insulation material