



Ramset®
DRIVING JOBSITE SPEED

TE112 AND TE112X PINS

CONSISTENT PERFORMANCE

SECURE HOLD

Key features

- Delivers a full 1-1/2" embedment for consistent and secure performance – no more increasing pin size to achieve required embedment.
- Backed by ICC-ES ESR-1799 for compliance with structural requirements.
- Use Ramset® RA27 and RA54 single shot tools for TE112 pins.
- TE112X works with RA54 and RA54MAG magazine – purple loads are not recommended for use with the RA54 magazine.
- Ideal for use in thermal break gasket applications with a thicker layer.
- Manufactured with strict quality control for dependable job site performance.
- Head stamps make for easy inspection.



The Ramset® 1-1/2" True Embedment Pins are specifically engineered for securing exterior track to concrete, offering consistent performance and a secure hold in demanding applications. Designed to deliver reliable embedment, the pins ensure a TRUE 1-1/2" embedment depth — ideal for meeting code requirements and ensuring long-lasting fastening strength.



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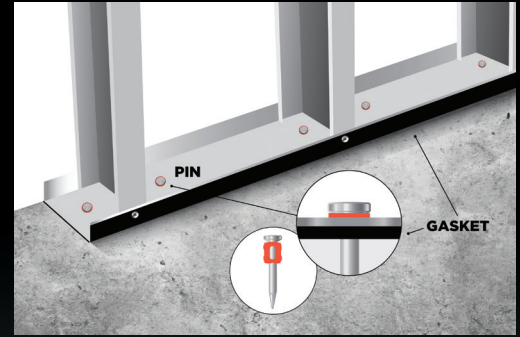
WHY CHOOSE RAMSET® TE112 AND TE112X?

The 1-1/2" True Embedment Pins eliminate guesswork by offering true nominal pin length — what you see is what you embed. Ideal for contractors and installers seeking code compliance, performance reliability, and domestic quality assurance. With its robust construction and verified embedment depth, the TE112 is a trusted solution for commercial jobs requiring precision and holding power.

Ramset .157 True Embedment Pins are sized to provide you with True Embedment depths in track up to 14 gauge. Sized approximately 1/16" longer than nominal length to provide a True Embedment. 100 per box.

| PART NUMBER | PIN LENGTH | | EMBEDMENT LENGTH | | MASTER CARTON QTY |
|-------------|------------|--------|------------------|--------|-------------------|
| | IN. | (MM) | IN. | (MM) | |
| TE12 | 9/16 | (13.8) | 1/2 | (12.7) | 5000 |
| TE34 | 13/16 | (20.6) | 3/4 | (19.1) | 5000 |
| TE100 | 1-1/16 | (27) | 1 | (25.4) | 5000 |
| TE114 | 1-5/16 | (33.3) | 1-1/4 | (31.8) | 1000 |
| TE112 | 1-9/16 | (39.7) | 1-1/2 | (38.1) | 1000 |
| TE12X | 9/16 | (13.8) | 1/2 | (12.7) | 5000 |
| TE34X | 13/16 | (20.6) | 3/4 | (19.1) | 5000 |
| TE100X | 1-1/16 | (27) | 1 | (25.4) | 5000 |
| TE114X | 1-5/16 | (33.3) | 1-1/4 | (31.8) | 5000 |
| TE112X | 1-9/16 | (39.7) | 1-1/2 | (38.1) | 2500 |

Shank diameter = .157 Head diameter = .320 Material = Heat treated carbon steel w/ zinc plating



Ideal for use in thermal break gasket applications with a thicker layer.



FASTENERS IN NORMAL WEIGHT CONCRETE

| PART NUMBER SERIES | SHANK DIA (INCH) | MINIMUM PENETRATION (INCH) | INSTALLED IN SOLID CONCRETE CONCRETE COMPRESSIVE STRENGTH ALLOWABLE LOAD - Ultimate Load | | | | | |
|--------------------|------------------|----------------------------|--|-----------------|-----------------|-----------------|-----------------|-----------------|
| | | | 2000 PSI | | 4000 PSI | | 6000 PSI | |
| | | | TENSION (LBS) | SHEAR (LBS) | TENSION (LBS) | SHEAR (LBS) | TENSION (LBS) | SHEAR (LBS) |
| TE | 0.157 | 3/4 | 71 627 | 116 713 | 71 559 | 116 685 | 109 753 | 117 712 |
| | | 1 | 197 986 | 216 1463 | 258 1390 | 216 1421 | 214 1313 | 383 1998 |
| | | 1-1/4 | 264 1399 | 283 1626 | 377 1886 | 317 1846 | 415 2074 | 349 1858 |
| | | 1-1/2 | 212 1453 | 297 1719 | 242 1211 | 479 2393 | | |

FASTENERS IN LIGHT WEIGHT CONCRETE

| PART NUMBER SERIES | SHANK DIA (INCH) | EMBED (INCHES) | 3000 PSI LIGHT WEIGHT CONCRETE | |
|--------------------|------------------|----------------|--------------------------------|-----------------|
| | | | TENSION (LBS) | SHEAR (LBS) |
| TE SERIES | 0.157 | 3/4 | 152 1010 | 159 998 |
| | | 1 | 325 1625 | 347 1737 |
| | | 1-1/4 | 358 1790 | 437 2239 |
| | | 1-1/2 | 466 2332 | 478 2392 |

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 is 3 inches unless otherwise approved. **Note 8:** For SI: 1 lbf = 4.448 N, 1 inch = 25.4 mm, 1 ksi = 6.89MPa

ICC
ES
ICC ESR-1799

MADE IN AMERICA
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