



M. A. INDUSTRIES, INC.

Quality Products Through Creative Research

PULLOUT TESTS

These pullout tests were conducted when the M. A. Industries "press fit" manhole steps used 3/8 inch steel reinforcing rod. These steps now contain 1/2 inch steel reinforcing rod except PS3-PFC step which contains a 5/8 inch rod. However, the size of the reinforcing rod has no effect on the results of the pullout strength. These tests reflect the pullout strengths for all "press fit" steps which include PS1-PF, PS2-PF, PF2-PFS, PS2-PFSL, PF5-PF and PS3-PFC models. All "press fit" manhole steps are made of the same materials and vary only in width and projection.