

September 1, 2003

CHEMICAL ANCHOR SYSTEMS

Specification Reference: 305.06 and 506.02

SM Material Code: 506M00020

This list documents the approval of chemical systems for anchoring deformed steel rebar or grouting load transfer dowels. These chemical anchor systems are approved for pullout loads on deformed rebar which do not exceed the yield requirement for the corresponding rebar size of grade 60 (420) steel. These systems are applicable for rebar sizes not exceeding ENG. #7 (METRIC #22). If the rebar exceeds size ENG. #7 (METRIC #22), the manufacturer shall provide a type B certification for the pullout load of the specified rebar. Testing will be in accordance with ASTM E 488.

Systems shall be installed in accordance with the manufacturer's instructions. Horizontal installations of rebar or dowels require special consideration for proper retention of the material in the hole. The following spacing and edge distance requirements shall be met.

Embedment (E)	Spacing Between Anchors min. (S)	Edge Distance min. (M)
<6.0d	2.00E	1.00E
6.0d to =<8.0d	1.50E	1.00E
>8.0d	1.00E	0.75E

(d = diameter of rebar)

If the above requirements are not satisfied, contact the Materials and Tests Division.

Mat. Code	Source Code	Manufacturer Product Name	Approval Number	Comments
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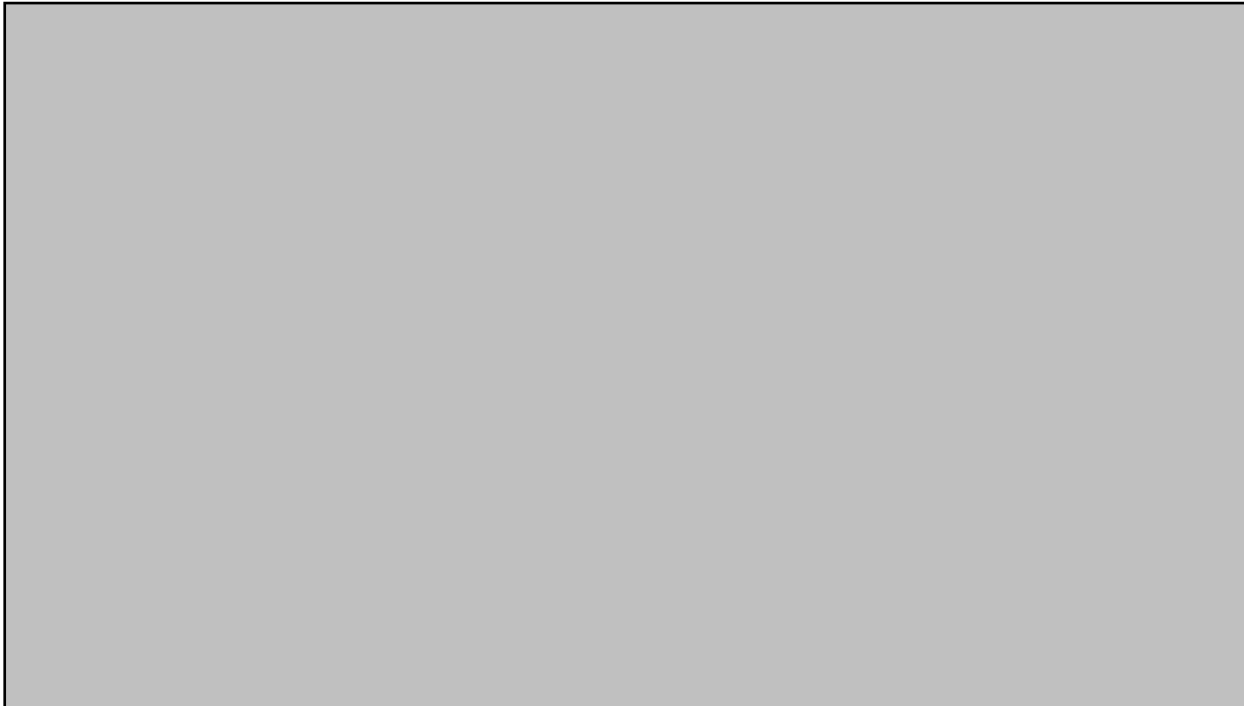
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9371	9543	SIMPSON STRONG-TIE, INC----- ACRYLIC-TIE	W028980	
9371	9543	SIMPSON STRONG-TIE, INC----- SET	W028147	
9371	9543	SIMPSON STRONG-TIE, INC----- SIMPSON ET22	W028978	
9371	9543	SIMPSON STRONG-TIE, INC----- SIMPSON ETF	W028979	
9371	9543	SIMPSON STRONG-TIE, INC----- VGC	W028146	

