

**CALTRANS - OFFICE OF STRUCTURAL MATERIALS
STRUCTURAL MATERIALS TESTING BRANCH**

AUTHORIZED CAST-IN-PLACE CONCRETE INSERTS FOR INSTALLATION IN FRESH CONCRETE

		Type	FERRULE LOOP					CAST IRON				
M A N U F A C T U R E R	BURKE	Stud Diameter	1/2"	5/8"	3/4"	7/8"	1"	1/2"	5/8"	3/4"	7/8"	1"
		Model No.	NT	NA	NA	NA	NT	HI-Tensile (404) NO-033	HI-Tensile (404) NO-034	HI-Tensile (404) NO-035	HI-Tensile (404) NO-036	HI-Tensile (404) NO-038
		Min. Edge Distance						6"	8"	8"	12"	12"
		Min. Embedment Depth						2-1/2"	3"	3-5/8"	4-1/4"	4-3/4"
	DAYTON SUPERIOR	Model No.	F-42	F-42	F-42	F-42	F-42	F-5	NA	NA	NA	NT
		Min. Edge Distance	6"	8"	8"	12"	12"	6"				
		Min. Embedment Depth	3"	3-3/4"	3-3/4"	6-1/4"	6-1/4"	2-3/4"				
	MEADOW STEEL	Model No.	FX-5	FX-5	FX-5	FX-5	FX-5	NA	NA	NA	NA	NA
		Min. Edge Distance	6"	8"	8"	12"	12"					
		Min. Embedment Depth	2-7/8"	3-5/8"	3-5/8"	5-5/8"	6-1/8"					
	RICHMOND	Model No.	LF	LF	LF	NA	NA	NA	NA	NA	NA	NA
		Min. Edge Distance	6"	8"	8"							
Min. Embedment Depth		4-1/4"	4-1/4"	4-1/4"								

Notes: (No changes have been made to the content of this list since Nov. 20, 1997)

1. Caltrans tests were conducted on 1/2" and 1" inserts (ferrule loop and cast iron) for these manufacturers. The intermediate sizes were authorized based on manufacturers' test results and the Caltrans tests conducted on 1/2" and 1" inserts.
2. Stainless steel or zinc-coated inserts may need to be special ordered if required per Caltrans Specifications.
3. NT = Not Tested, NA = Not Approved or Not Available