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

Туре	Manufacturer	Stud Diameter	Model Number	Min. Edge Distance	Min. Embedment Depth
CAST IRON	BURKE	1/2"	HI-Tensile (404) NO-033	6"	2-1/2"
CAST IRON	BURKE	5/8"	HI-Tensile (404) NO-034	8"	3"
CAST IRON	BURKE	3/4"	HI-Tensile (404) NO-035	8"	3-5/8"
CAST IRON	BURKE	7/8"	HI-Tensile (404) NO-036	12"	4-1/4"
CAST IRON	BURKE	1"	HI-Tensile (404) NO-038	12"	4-3/4"
CAST IRON	DAYTON SUPERIOR	1/2"	F-5	6"	2-3/4"

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 manufacturer's test results and the Caltrans tests conducted on  $\frac{1}{2}$ " 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

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

Туре	Manufacturer	Stud Diameter	Model Number	Min. Edge Distance	Min. Embedment Depth
FERRULE LOOP	DAYTON SUPERIOR	1/2"	F-42	6"	3"
FERRULE LOOP	DAYTON SUPERIOR	5/8"	F-42	8"	3-3/4"
FERRULE LOOP	DAYTON SUPERIOR	3/4"	F-42	8"	3-3/4"
FERRULE LOOP	DAYTON SUPERIOR	7/8"	F-42	12"	6-1/4"
FERRULE LOOP	DAYTON SUPERIOR	]"	F-42	12"	6-1/4"

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 manufacturer's test results and the Caltrans tests conducted on ½" 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

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

Туре	Manufacturer	Stud Diameter	Model Number	Min. Edge Distance	Min. Embedment Depth
FERRULE LOOP	MEADOW STEEL	1/2"	FX-5	6"	2-7/8"
FERRULE LOOP	meadow steel	5/8"	FX-5	8"	3-5/8"
FERRULE LOOP	meadow steel	3/4"	FX-5	8"	3-5/8"
FERRULE LOOP	meadow steel	7/8"	FX-5	12"	5-5/8"
FERRULE LOOP	MEADOW STEEL	]"	FX-5	12"	6-1/8"

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 manufacturer's test results and the Caltrans tests conducted on  $\frac{1}{2}$ " 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

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

Туре	Manufacturer	Stud Diameter	Model Number	Min. Edge Distance	Min. Embedment Depth
FERRULE LOOP	RICHMOND	1/2"	LF	6"	4-1/4"
FERRULE LOOP	RICHMOND	5/8"	LF	8"	4-1/4"
FERRULE LOOP	RICHMOND	3/4"	LF	8"	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 manufacturer's test results and the Caltrans tests conducted on ½" 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