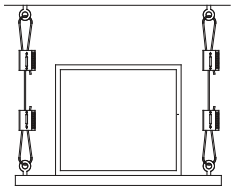
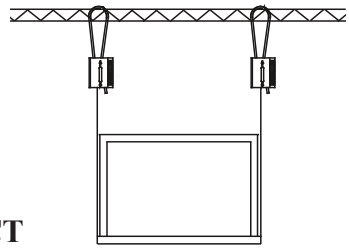
SUBMITTAL RECORD
JOB _____
LOCATION _____
SUBMITTED TO _____
SUBMITTAL PREPARED BY _____
APPROVED BY _____
DATE _____

Description	Construction	Working Load Limit (W.L.L.)	Minimum Ultimate Breaking Strength (U.B.S.)
CL 18 Cable Lock	Stainless Steel Sintered Steel Zinc Alloy	150 lbs	750 lbs with 3/32" Wire Rope
		225 lbs	1125 lbs with 1/8" Wire Rope

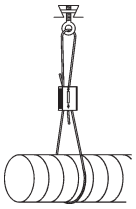
Description	Diameter Nominal	Construction
WC3 Wire Cable	3/32"	7x7 Hot Galvanized
WC4 Wire Cable	1/8"	7x7 Hot Galvanized





RECTANGULAR DUCT HANGING TABLE

Maximum Half of Duct Perimeter	10 ft Spacing 1 Pair	8 ft Spacing 1 Pair	5 ft Spacing 1 Pair	4 ft Spacing 1 Pair
p/2 = 30"	3/32"	3/32"	3/32"	3/32"
p/2 = 72"	1/8"	1/8"	1/8"	3/32"
p/2 = 96"		1/8"	1/8"	1/8"
p/2 = 120"			1/8"	1/8"



ROUND DUCT HANGING TABLE

Maximum Round Pipe Diameter	10 ft Spacing Single Wire	8 ft Spacing Single Wire	5 ft Spacing Single Wire	4 ft Spacing Single Wire
10"	3/32"	3/32"	3/32"	3/32"
18"	1/8"	1/8"	3/32"	3/32"
24"	1/8"	1/8"	1/8"	3/32"
36"	1/8"	1/8"	1/8"	1/8"
50"			1/8"	1/8"
60"				1/8"

NOTES:

1. Tables are calculated using a normal duct construction and reinforcement weight as outlined in SMACNA Duct Construction Standards.
2. For special applications refer to specification table of working load limits.

DURO DYNE® Dyna-Tite™

Specification Form DTCL18 Dyna-Tite Cable Lock and Wire Rope

SUGGESTED SPECIFICATION:

All ductwork and equipment shall be supported using wire rope cable terminated by Cable Locks. All Cable Locks shall have an Ultimate Breaking Strength (U.B.S.) of at least 5 times the wire rope published Working Load Limit (W.L.L.). All wire rope shall have a U.B.S. of 5 times the published W.L.L. Wire ropes shall be of the size and spaced per manufacturers printed specifications. Wire Rope and Cable Locks shall be as supplied by Duro Dyne Corporation.

SPECIFICATION DATA

1) All wire rope supplied by Duro Dyne is statistically tested to minimum breaking strength.

2) Dyna-Tite CL18 has been submitted and tested to be an acceptable alternative to the duct hanger systems prescribed in SMACNA HVAC-DCS 2nd edition By SMACNA Testing & Research Institute.

3) All Working Load Ratings of Dyna-Tite CL18 Cable Locks manufactured by Duro Dyne have been witnessed and verified by Independent Testing Labs.

4) Dyna-Tite CL18 Cable Locks may be used in temperatures up to 300 degrees F.

5) Dyna-Tite CL18 Cable Lock wedges are constructed of corrosion resistant sintered steel.

6) Dyna-Tite CL18 Cable Lock springs are constructed of tempered stainless steel.

WIRE ROPE SPECIFICATION CARBON STEEL & GALVANIZED

Galvanized steel wire rope, supplied by Duro Dyne is manufactured to exacting standards and statistically tested to verify the breaking strength. Duro Dyne recommends only using wire rope supplied by Duro Dyne. The chart below outlines the specifications.

Wire Rope Size	Tolerance (in inches)	Rope Construction
3/32"	+.012/ - .006	7x7
1/8"	+.014 / - .007	7x7

APPLICABLE SMACNA STANDARD

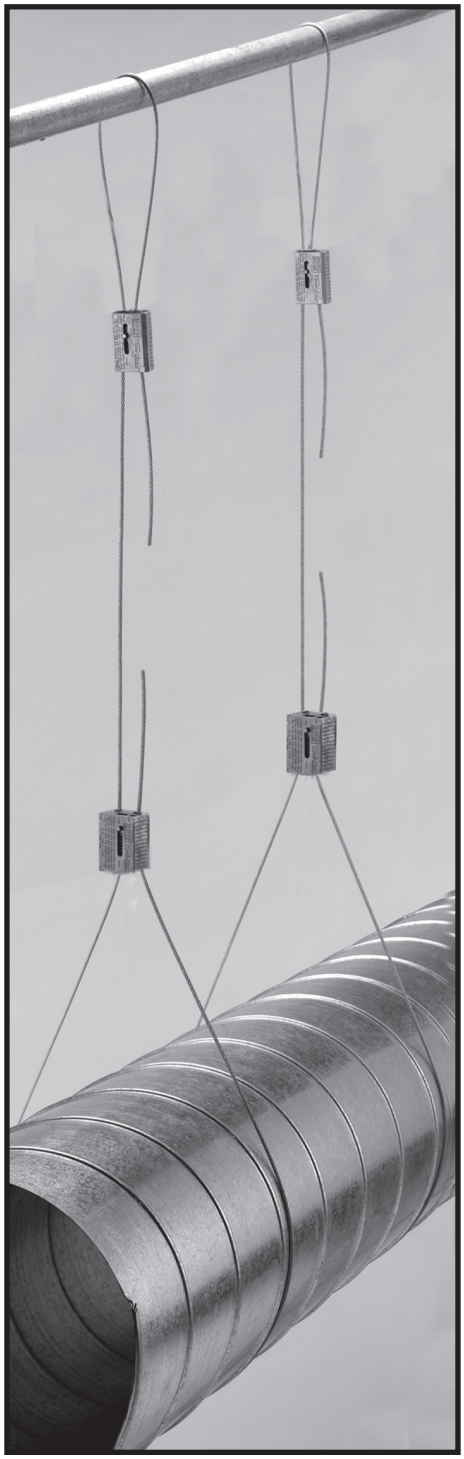
4.2.11 Hanging System Selection

The selection of a hanging system should not be taken lightly not only because it involves a significant portion of the erection labor, but also because an inadequate hanging system can be disastrous. In any multiple hanging system, the failure of one hanger transfers that load to adjacent hangers. If one of these fail, an even greater load is transferred to the next. The result is a cascading failure in which an entire run of duct might fail.

There are many hanger alternatives, especially in the upper attachments. Besides structural adequacy, the contractor's choice of hanging system must also take into account the particulars of the building structure, the skills of the workmen, the availability of tooling, and the recommendations of the fastener manufacturer. Because of these variables, it is suggested that the hanging system be the contractor's choice, subject to the approval of the mechanical engineer.

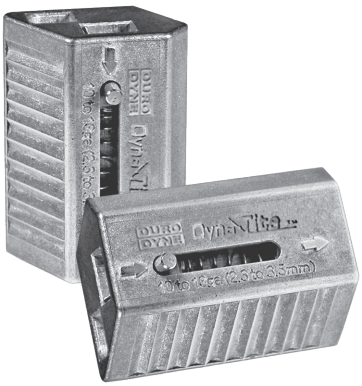
Duro Dyne East Division, Bay Shore, NY 631-249-9000 Fax: 631-249-8346
Duro Dyne Midwest Division, Fairfield, OH 513-870-6000 Fax: 513-870-6005
Duro Dyne West Division, Santa Fe Springs, CA 562-926-1774 Fax: 562-926-5778
Duro Dyne Canada, Lachine, Quebec, Canada 514-422-9760 Fax: 514-636-0328
www.durodyne.com E-mail: durodyne@durodyne.com

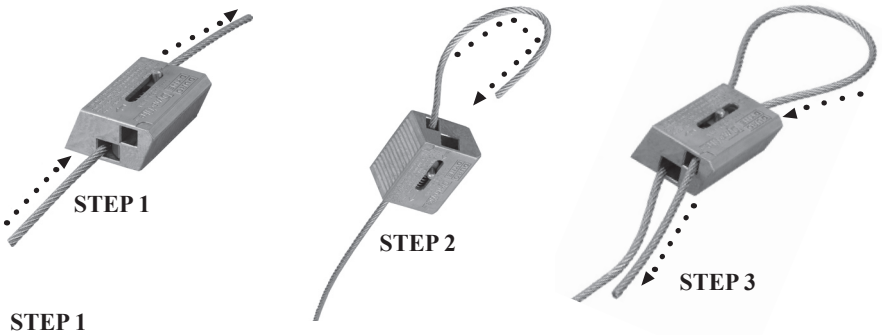
Duro Dyne Dyna-Tite CL18 Cable Lock Assembly Instructions and Warnings



As a matter of sound engineering practice, the Dyna-Tite assembly must be located no closer than 12 inches to the suspension point. In the case of round duct, where the wire rope encircles the duct, the Dyna-Tite must be located the distance of one diameter from the duct wall.

Adherence to these minimum clearances will distribute the load efficiently among all duct hanging components.





STEP 1
Pull adjustment pin back and thread the wire rope through one of the locking wedge channels of the CL18, following the arrow.

STEP 2
Pass the wire rope through (or around) the anchor point (Eyehook, Beam or Purlin)

STEP 3
Pull adjustment pin back and following the arrow, thread the wire rope through the remaining locking wedge channel of the CL18. Push through at least six inches.

STEP 4
Repeat steps 1 through 3 for the lower attachment point.

Prior to the load being applied, the wire rope can be adjusted in either direction.

With the load off the wire rope and the CL18 Cable Lock, push the release the pin on the Cable Lock in the direction of the arrow. This will release the locking wedge and allow the wire rope to be moved freely in either direction. (After a load has been applied it may be necessary to pull the cable slightly to disengage the teeth on the wedge). Be sure the load is fully supported before attempting an adjustment.

WARNINGS
Do not exceed the working load limits printed on the CL18 Cable Lock.
Do not use for overhead lifting.
Do not lubricate, paint or apply any coatings on the wire rope or the CL18 Cable Lock
Periodically Inspect the Cable Lock asssembly. Replace upon any indications of wear, distortion or damage.
Use only wire rope supplied by Duro Dyne or manufactured to DuroDyne specifications.

IMPORTANT: DYNA-TITE CABLE LOCK AND WIRE ROPE EACH HAVE WORKING LOAD LIMITS WHICH MAY NOT BE EQUAL. ALWAYS USE THE LOWER OF THE TWO WORKING LOAD LIMITS. WIRE ROPE IS NOT INCLUDED WITH DYNA-TITE CABLE LOCKS.