

Turnbuckle Kits, Options CK12-CK18, for INFRA-REZ Heater Models VR, TRPA, TRP, & TR/TR-H

REZNOR®

Installation Form I-VR/TRPA-TK
Obsoletes Form I-VR/TRP-TK

Description/ Application

For proper operation and safety, tubular radiant heaters must be suspended by chain and must be installed and maintained in a level position. To facilitate leveling, turnbuckles are recommended.

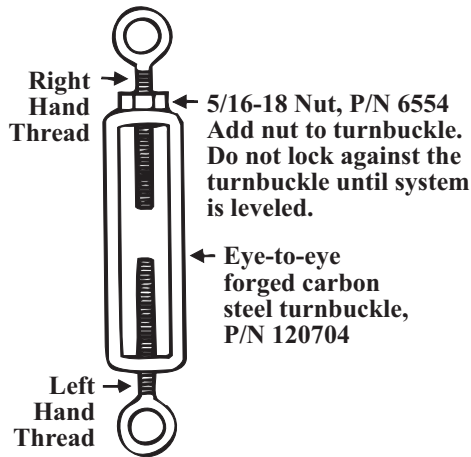
Turnbuckle option kits come in packages of four to thirteen turnbuckles so that the quantity matches the number of heater suspension points. The number of suspension points varies by Model and Size.

Location and Quantity of Suspension Points by Model

Model	Burner/ Control Box	Combustion Chamber Tube	Heat Exchanger Tube			
			Each 5 or 10 ft Straight (except downstream adjacent to "U" or "L")	Each 5 or 10 ft Straight downstream adjacent to "U" or "L"	"U"	"L"
VR	4	2	1	2	0	0
TRPA	2	2 - Sizes 30 and 60				
TRP	2	2 - Sizes 30 and 60; 4 - Sizes 50 and 100				
TR/TR-H	2	1	1	1	1	0

Components

(Qty per pkg is the number of turnbuckles and nuts in each kit.)



Model	Straight Length (feet)	System Configuration					
		Option No.	Package P/N	Qty per pkg	Option No.	Package P/N	Qty per pkg
		Straight			With one "L" or "U"		
VR	20	CK12	121046	7	CK13	120701	8
	30	CK13	120701	8	CK14	121047	9
	40	CK14	121047	9	CK15	132517	10
	50	CK15	132517	10	CK16	205583	11
	60	CK16	205583	11	CK17	205584	12
	70	CK17	205584	12	CK18	205585	13
TRPA 30 & 60	N/A	CK12	120699	4	N/A		
TRP 30 & 60	N/A	CK12	120699	4			
TRP 50 & 100	N/A	CK14	120700	6			
TR/TR-H	20	CK12	120699	4	CK13	121045	5
	30	CK13	121045	5	CK14	120700	6
	40	CK14	120700	6	CK15	121046	7
	50	CK15	121046	7	CK16	120701	8
	60	CK16	120701	8	CK17	121047	9
	70	CK17	121047	9	CK18	132517	10

Preparation and Installation Instructions

WARNING: The kit is to be installed by a qualified service person in accordance with these instructions and in compliance with all codes and requirements of authorities having jurisdiction. The qualified agency performing this work assumes responsibility for this installation.

1. Assemble the Turnbuckle and Locking Nut

- a) Remove the eyebolt with the right-hand thread. With the "teeth" of the nut away from the "eye" end of the bolt, screw the nut onto the bolt until the nut is close to the eye.

Preparation and Installation Instructions (cont'd)

(NOTE: In this direction the nut will only thread onto the bolt with the right-hand thread. If the nut won't screw onto the eyebolt, you have removed the eyebolt with the left-hand thread. If that occurs, return that eyebolt to the turnbuckle, remove the other one, and attach the nut.)

b) Re-screw the assembled eyebolt and nut into the turnbuckle. **DO NOT LOCK THE NUT AGAINST THE TURNBUCKLE** (each nut will be tightened as the system is leveled).

2. Connect the Burner Box and Tubes or Heat Exchanger Sections to the Hanging Chains with "S" Hooks and the Assembled Turnbuckles - Use an "S" hook to attach the top (the end with the locking nut) of the turnbuckle to each hanging chain. When suspending the heaters, connect the "S" hook to the bottom of the turnbuckle.

3. Level the System and Lock the Turnbuckles - After the heater is installed and all "S" hooks are closed, check the burner box and all tubes or heat exchanger sections with a spirit level. To make adjustments, turn the body of the turnbuckle.

As the system is leveled, tighten the nut to lock each turnbuckle. **"Locking" the turnbuckles is required to prevent them from turning when the system expands.**

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0514 POD Form I-VR/TRPA-TK (Version 0.1)

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