



UNITED SCIENTIFIC SUPPLIES, INC.

OPERATING INSTRUCTIONS

LATTICE LAB SYSTEM, SET #1

LLS001

THE LATTICE LAB SYSTEM is a lightweight flexible set of support rods and clamps that allows a wide range of lab apparatus to be assembled and securely supported. Assembly is easy and requires only a screwdriver.

SET CONTENTS



FOOT PLATE (4 each)

2⁵/₁₆" (58 mm) diameter Castalloy plate accepts 1/2" (13 mm) diameter support rods.

Rods are secured by a supplied set screw.

Three 3/16" (4.75 mm) diameter countersunk holes allow the foot plate to be secured to the bench if required using up to #8 size screws.

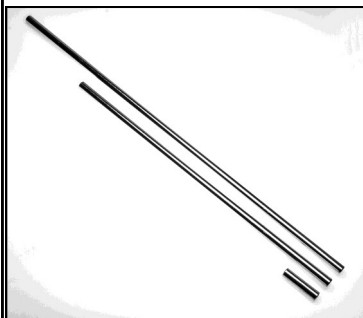


SET SCREW (15 each)

Fits into Foot Plate to secure support rods.

Nominal size is #10 x 5/16"

Use a straight screwdriver, a #7 wrench, or a plier to secure.



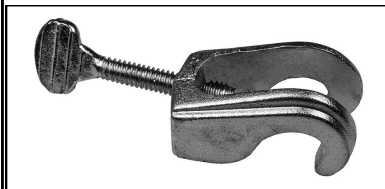
SUPPORT RODS, 1/2" DIAMETER:

2" LONG (8 each)

18" LONG (2 each)

24" LONG (8 each)

Made of hard aluminum



HOOK CONNECTOR (22 each)

Castalloy clamp connects two 1/2" diameter support rods at right angles with a single thumbscrew:



USAGE

CASTALLOY WARNING



Castalloy products must not be exposed to a direct flame, as continuous exposure to temperatures above 100°C can cause product degradation.



Les produits Castalloy ne doivent pas être exposés à une flamme directe, puisqu'une exposition continue à des températures supérieures à 100°C peuvent causer la dégradation du produit.

When assembling a lattice, be sure to tighten the foot plate screws and the clamp thumbscrews securely before attaching apparatus to the lattice.

EXAMPLES

With the foot plates secured to the bench

2-dimensional lattices can be assembled in units of 24" x 24" with the crossbars horizontal or vertical.

The set allows up to two 24"x 24" sections with one crossbar each to be constructed.



Sections can be added at any angle

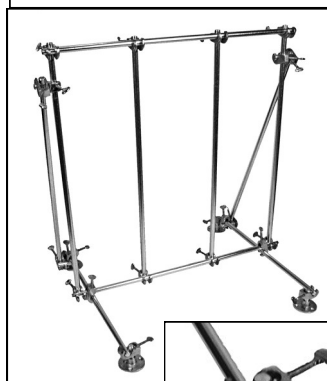
This can provide limited stability without securing all the foot plates to the bench.

Add heavy apparatus inside the angle of the sections. Adding heavy items outside the angle can easily lead to instability.



A portable 24" x 24" lattice

Can be assembled using the two 18" support rods with 2" support rods and the foot plates to form a secure base. More 2" rods and two 24" rods form a strong angle brace to maintain the lattice upright.



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