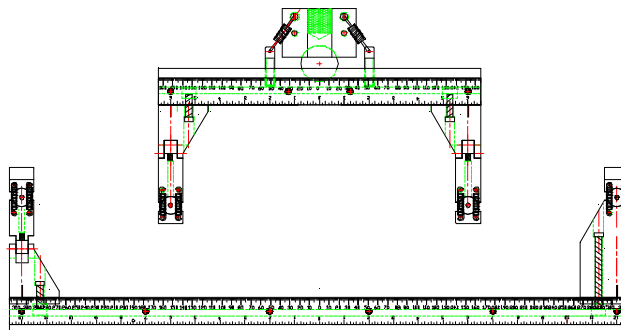


FOUR POINT FLEXURE FIXTURE FOR STONE SPECIMEN



| | | |
|-----------|--------------|--|
| Specimen: | Width | Up to 4" |
| | Thickness | Any |
| | Length | 14" to 22" |
| Fixture: | Construction | High strength steel with protective black oxide finish |
| | Temperature | -120 to 250°F (-85 to 122°C) |
| | Mounting | 1" -14 threaded couplings |
| | Capacity | 2,500 lbs (11.1 kN) |
| | Weight | 114 lbs approximately |
| | Dimensions | Assembled - 25" x 4" x 15.3" (plus specimen thickness) |
| | Standard | Manufactured in accordance with ASTM C880 |

Model No. ASTM.C0880.10 - Four Point Flexure Fixture with Specimen Support Spans from 1/2" to 22"
 Adjustable four point loading head with loading spans from 1/2" to 6". Loading roller points will accommodate specimens up to 4" wide. The fixture is constructed from high strength steel with a protective black oxide finish in accordance with ASTM C880.

Support Base - 24" long by 4" wide with a T-slot running the length of the base. The upper and lower surfaces are ground flat and parallel. The support block separation is measured along a center finding scale located on the front surface of the support base. The base is used on a platen (not included) or with the 1" -14 couplings.

Specimen Supports - 4" wide by 4" tall with alignment rails which fit in the T-slotted support base. The supports are supplied with 1" diameter support pins and pads, which are held in alignment grooves with O-rings. The center position of the loading pin is indicated by a scribe line which runs down the side of the support to the center finding scale. The supports are free to slide anywhere along the support base and may be reversed for short and long spans.

8" Four Point Loading Head - 4" wide by 8" long with two adjustable loading pin supports. The 8" long loading rail allows the loading anvils to be adjusted to any loading span from 1/2" to 6". The anvils are channeled to insure proper alignment to the loading rail. The anvils are supplied with 1" diameter loading pins and pads, which are held in alignment grooves with O-rings. The center position of the loading pins are scribed in the anvils, which run along a center finding scale on the loading rail. Supplied with 1" -14 loading coupling.

MODEL NO. ASTM.C0880.10

ASTM, FLEX, DIMENSION, STONE, BEND,

ACCESSORIES

Upper and lower fixture attachment is supplied with 1" -14 female coupling. (Common adapter sizes include:)

Model No. M03S36 - 1.25" Male Clevis (Type D) to 1" -14 Threaded Stud

Model No. S42S36 - 1.25" -12 to 1" -14 Threaded Step Stud

Model No. S48S36 - 1.5" -12 to 1" -14 Threaded Step Stud

Model No. S60S36 - 2" -12 to 1" -14 Threaded Step Stud

Model No. LN36 - Threaded Locking Nut with Knurled OD

SPARE PARTS

ACC.C0880.1001 - Set of (4) 1" Diameter Rollers

ACC.C0880.1002 - Set of (2) upper and (2) Lower Steel Loading Pads

ACC.C0880.1003 - Set of (4) Springs for Upper Articulating Loading Block

ACC.C0880.1004 - Set of (4) Spring Pins to Hold Springs on Upper Articulating Loading Block

REFERENCE DOCUMENT AND TEST METHOD SCOPE:

<http://www.astm.org/Standards/C880.htm>

ASTM C880/C880M-15

Standard Test Method fo Flexural Strength of Dimension Stone

1.1 This test method covers the procedure for determining the flexural strength of stone by use of a simple beam using quarter-point loading.

1.2 Stone tests shall be made when pertinent for the situation when the load is perpendicular to the bedding plane and when the load is parallel to the bedding plane.

1.3 As required, the flexural tests shall also be conducted under wet conditions.

1.4 The values stated in either SI units or inch-pound units are to be regarded separately as standard. The values stated in each system may not be exact equivalents; therefore, each system shall be used independently of the other. Combining values from the two systems may result in non-conformance with the standard.

1.5 This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

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