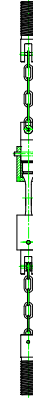


## SPLIT COLLET LOADING GRIP ASSEMBLY WITH LOADING YOKES



Specimen:	Size	1" button end
Fixture:	Construction	High strength steel with protective black oxide finish
	Temperature	-120 to 250°F (-85 to 122°C)
	Mounting	1" -14 threaded couplings
	Weight	35 lbs
	Standard	Manufactured in accordance with ASTM C749

Model No. ASTM.C0749.10 - Carbon and Graphite Shoulder Loading Tensile Grip Set

The assembly includes:

Crosshead attachment Yokes - Threaded 1"-14 class 2A (416 or 440 Stainless Steel)

Chain Journals - High Strength Steel - (416 or 440 Stainless Steel)

Dowel Pins with Knurled Ends - (416 or 440 Stainless Steel)

High Strength Weld Chain - 4 links each - (700 pound carbon steel)

Grip Attachment Yokes - (416 or 440 Stainless Steel)

Split Sleeve Sets - (416 or 440 Stainless Steel)

Grip Sleeve - (416 or 440 Stainless Steel)

Bending Stress Monitor Rod

Specimen sizes: 1.0" only

The above items are included for the 1" specimen size only . Fixture is constructed of high strength steel with a protective black oxide finish and stainless steel in accordance with ASTM C749

## **MODEL NO. ASTM.C0749.10**

### **ASTM, TENSION, TENSILE, GRAPHITE,**

#### **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 - 1" -14 Threaded Locking Nut with Knurled OD

#### **SPARE PARTS**

Please contact us for spare or replacement parts

#### **REFERENCE DOCUMENT AND TEST METHOD SCOPE:**

<http://www.astm.org/Standards/C749.htm>

ASTM C749-15

Standard Test Method for Tensile Stress-Strain of Carbon and Graphite

1.1 This test method covers the testing of carbon and graphite in tension to obtain the tensile stress-strain behavior, to failure, from which the ultimate strength, the strain to failure, and the elastic moduli may be calculated as may be required for engineering applications. Table 2 lists suggested sizes of specimens that can be used in the tests.

(A) 1 in. is equal to 25.4 mm.

(B) Preload chain to yield using a load time recording.

(C) Commercially available.

(D) Or alternative high strength stainless steel.

(A) Based on Research Report RR:C05-1000 (see Section 11).

(B) Identity of suppliers available from ASTM International Headquarters.

(C) Gas-bearings.

NOTE 1: The results of about 400 tests, on file at ASTM as a research report, show the ranges of materials that have been tested, the ranges of specimen configurations, and the agreement between the testers. See Section 11.

NOTE 2: For safety considerations, it is recommended that the chains be surrounded by suitable members so that at failure all parts of the load train behave predictably and do not constitute a hazard for the operator.

1.2 The values stated in inch-pound units are to be regarded as standard. The values given in parentheses are mathematical conversions to SI units that are provided for information only and are not considered standard. Conversions are not provided in the tables and figures.

1.3 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.

Extracted, with permission, from ASTM C749 Standard Test Method for Tensile Stress-Strain of Carbon and Graphite, copyright ASTM International, 100 Barr Harbor Drive, West Conshohocken, PA 19428. A copy of the complete standard may be purchased from ASTM International, [www.astm.org](http://www.astm.org)