



Type "C"

Type "D"

Load extension kits are packaged in a protective case. From left to right the lengths are decoded as L1 through L5.

MTS EM Extend™

Electromechanical load extension kit

Features

- » Water-cooling ports
- » Lightweight design minimizes tare weight
- » Tight tolerances ensure angular and concentric alignment is retained
- » Rated for tension and compression
- » Stainless steel construction minimizes heat transfer
- » Preloaded joints

Benefits

- » Highly configurable to test various size specimens
- » Reduces test setup time

MTS load frame extension rod kits enhance your testing capabilities within environmental chambers. The rods are designed to apply tension and compression in an environmental chamber from temperatures of -130 C (-200 F) to 315 C (600 F). The Type C and Type D kits consist of five different extension lengths. These five different lengths can be configured into 23 different combination lengths. This configurability allows users to test low and high profile accessories or short and tall specimens. Compression platens are usually low profile and will need more extension lengths. Pneumatic grips take up more space and will require fewer lengths.

A load frame rod extension kit maximizes the internal test space of the environmental chamber for grips and fixtures. The upper extension rod can be adjusted in 25 mm increments. By combining the five different lengths, 23 combination heights are ultimately available providing pin to pin dimensions ranging from 100 mm (3.9 in) to 825 mm (32.4 in).

The Type D extension kit is compatible with MTS and Instron clevis pin couplings. It is designed for tension or compression loads from 2 to 150 kN. All extension lengths are stainless steel and have ports for water cooling.

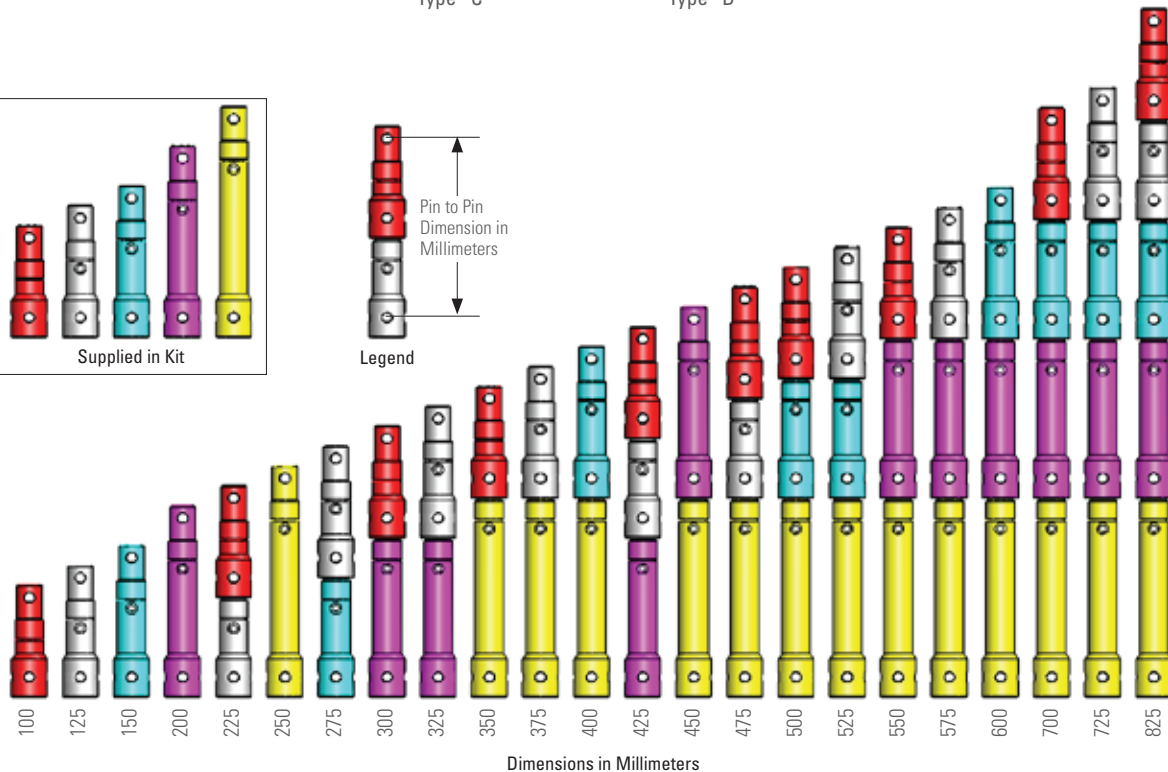
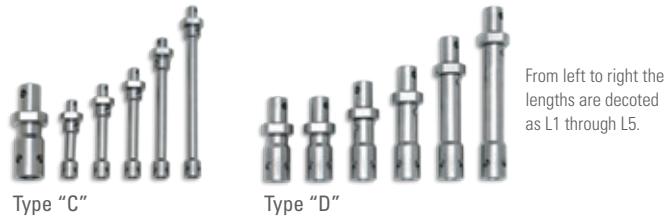


Load extension kit and pneumatic grips in an environmental chamber

Load Rod Specifications

Model	Type C	Type D
Part Number	100-151-425	100-150-815
Force Rating	50 kN (11,200 lbs)	150 kN (33,000 lbs)
Temperature Rating	-130 to 315 C (-200 to 600 F)	-130 to 315 C (-200 to 600 F)
Length 1 (L1)	250 mm (9.8 in)	250 mm (9.8 in)
Length 2 (L2)	200 mm (7.8 in)	200 mm (7.8 in)
Length 3 (L3)	150 mm (5.9 in)	150 mm (5.9 in)
Length 4 (L4)	125 mm (4.9 in)	125 mm (4.9 in)
Length 5 (L5)	100 mm (3.9 in)	100 mm (3.9 in)
Weight 1	0.38 kg (0.85 lbs)	1.93 kg (4.27 lbs)
Weight 2	0.29 kg (0.65 lbs)	1.57 kg (3.47 lbs)
Weight 3	0.23 kg (0.50 lbs)	1.25 kg (2.77 lbs)
Weight 4	0.20 kg (0.45 lbs)	1.1 kg (2.47 lbs)
Weight 5	0.18 kg (0.40 lbs)	0.93 kg (2.06 lbs)

Pin to pin dimensions



MTS Systems Corporation
 14000 Technology Drive
 Eden Prairie, MN 55344-2290 USA
 www.mts.com

Telephone: 1.952.937.4000
 Toll Free: 1.800.328.2255
 E-mail: info@mts.com
 ISO 9001 Certified QMS

Specifications subject to change without notice.

MTS is a registered trademark and EM Extend is a trademark of MTS Systems Corporation. These trademarks may be protected in other countries. RTM No. 211177.

©2023 MTS Systems Corporation
 100-156-437c ExtensionLoadKit • Printed in U.S.A. • 11/23