

Load Frame Descriptions and Capabilities

We have six load frames from 1.5 million lb. to 5 million lb.

1 - 1.5M LB Frame

- a. Max Tension +1,500 kips
- b. Max LB Compression -1,500 kips
- c. Max Bending: Specimen Dependent
- d. Max Sample Length 97"
- e. Max Stroke 12"

2 - 1.5M HD LB Frame

- a. Max Tension +1,500 kips
- b. Max LB Compression -1,500 kips
- c. Max Bending: Specimen Dependent
- d. Max Sample Length 143"
- e. Max Stroke 18"

3 - 3.0M LB Frame

- a. Max Tension +3,000 kips
- b. Max LB Compression -2,700 kips
- c. Max Bending: Specimen Dependent
- d. Max Sample Length 210"
- e. Max Stroke 12"

4 - 4.0M LB Frame

- a. Max Tension +4,000 kips
- b. Max LB Compression -3,400 kips
- c. Max Bending: Specimen Dependent
- d. Max Sample Length 180"
- e. Max Stroke 24"

5 - 5.0M LB Frame

- a. Max Tension +5,000 kips
- b. Max LB Compression -4,500 kips
- c. Max Bending: Specimen Dependent
- d. Max Sample Length 176"
- e. Max Stroke 12"

6 - 5.0M LB Frame

- a. Max Tension +5,000 kips
- b. Max LB Compression -5,000 kips
- c. Max Bending: Specimen Dependent
- d. Max Sample Length 222"
- e. Max Stroke 24"

Load Frame	1.5M LB	1.5M LB HD	3.0M LB	4.0M LB	5.0M LB	5.0M LB
Max Tension	1,500,000 lb	1,500,000 lb+	3,000,000 lb.	4,000,000 lb.	5,000,000 lb.	5,000,000 lb.
Max Compression	1,500,000 lb.	1,500,000 lb.+	2,700,000 lb.	3,400,000 lb.	4,500,000 lb.	5,000,000 lb.
Max Bending	250,000 ft-lb.	250,000 ft-lb.	450,000 ft-lb.	450,000 ft-lb.	450,000 ft-lb.	450,000 ft-lb.
Max Sample Length	97"	143"	210"	180"	176"	222"
Max Stroke	12"	18"	12"	24"	12"	24"
Max Internal Pressure (Gas)	45,000 psi	45,000 psi	45,000 psi	45,000 psi	45,000 psi	45,000 psi
Max Internal Pressure (Liquid)	35,000 psi	35,000 psi	35,000 psi	35,000 psi	35,000 psi	35,000 psi
Max External Pressure	30,000 psi	30,000 psi	30,000 psi	30,000 psi	30,000 psi	30,000 psi
Max Temperature	1,200°F/650°C	1,200°F/650°C	1,200°F/650°C	1,200°F/650°C	1,200°F/650°C	1,200°F/650°C

