

MECHANICAL JACKS

MINE ROOF SUPPORTS



Head Assembly
Model 09167



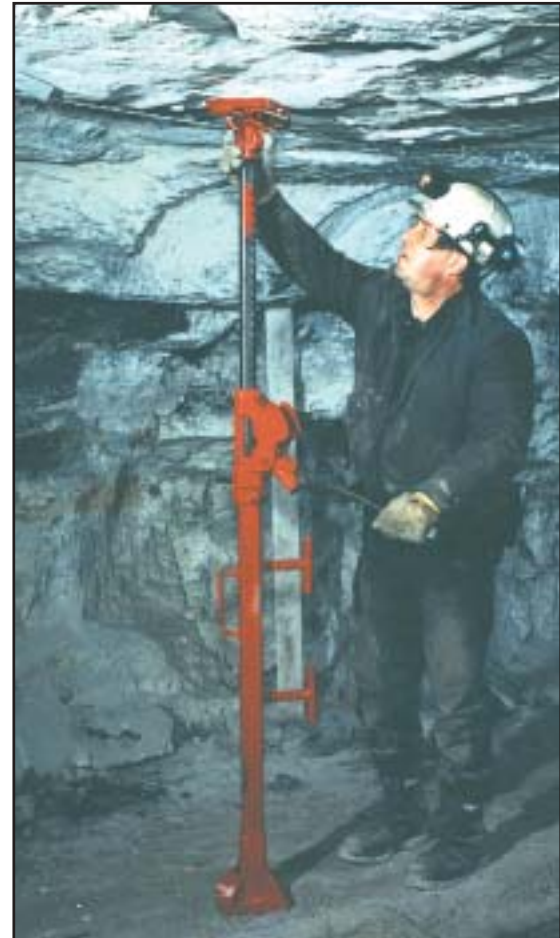
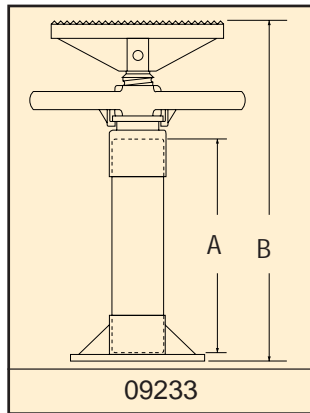
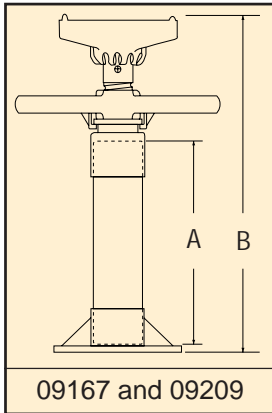
Base Assembly
Model 09220



Type FS Head
For support with wooden or
rubber cap pieces.



Type S Head
36 square inches
in support area.



| Model Number | "A" Min. Pipe Length (in) | "B" Min. Closed Height (in) |
|--------------|------------------------------|--------------------------------|
| MS9L-FS | 20 1/2 | 27 |
| MS9L-S | 20 5/8 | 25 1/2 |
| MS17L-FS | 21 3/4 | 28 3/4 |

Simplex head assemblies are designed for roof support in mines and other areas where ceiling heights vary greatly. **Use your own pipe** to custom build a support for nearly any application.

The 8 ton MS-9 models **use 2" schedule 40 pipe**. The 16 ton MS-17 models **require 2" schedule 80 pipe**. A round base (ordered separately) is available to fit the 2" pipe. All models incorporate a lever nut handle and are available with either FS or S style heads.

For economy, use the import version. If U.S. manufacture is required, use the domestic version. Simplex quality is assured with either choice.

Mine Roof Support Head Assemblies

| Model Number | Order Number Domestic | Order Number Import | Head Style | Sustaining Capacity (tons) | Stroke (in) | *Max. Pipe Length (in) | Max. Extended Ht. (in) | Dim. Between Flanges (in) | Weight (lbs) |
|--------------|-----------------------|---------------------|------------|----------------------------|-------------|------------------------|------------------------|---------------------------|--------------|
| MS9L-FS | 09167 | 09267 | FS | 8 | 15 | 51 3/4 | 73 | 5 3/4 | 19 |
| MS9L-S | 09233 | ----- | S | | | 73 1/4 | 93 | --- | 19 |
| MS17L-FS | N/A | 09309 | FS | 16 | --- | 46 1/4 | 68 | 5 3/4 | 34 |
| Base MB-17 | 09220 | ----- | --- | 16 | --- | --- | --- | --- | 6 |

* **Maximum pipe length recommendations are based upon the following conditions:**

- Fully extended assemblies loaded to maximum rated capacity.
- Head and base securely fixed to prevent lateral movement.
- Schedule 40 pipe with a minimum yield strength of 35,000 psi/8 ton models.
- Schedule 80 pipe with a minimum yield strength of 48,000 psi/16 ton model.



The A9225 Family is rated at 4 tons sustaining capacity, and is suitable for a wide range of mine maintenance applications. The aluminum alloy housing and base, coupled with a convenient carrying handle, make this unit **exceptionally light and portable**.

The A9225 Family incorporates a ratchet mechanism for speedy operation. Lever bar #10635 is ordered separately.

The 139A Family is a screw extension type roof support rated at 5 tons sustaining capacity. Designed for use as a safety prop, the 139A Family is suitable for cross timbering with wood or steel beams.

Complete Unit Ratchet Lever Series - A9225 Family

| Head Style | Order Number | Minimum Height (in) | Stroke (in) | Weight (lbs) |
|------------|--------------|---------------------|-------------|--------------|
| E | 09602 | 39 | 20 | 29 |
| F | 09603 | | | |
| S | 09620 | | | |
| E | 09606 | 45 | 26 | 33 |
| F | 09607 | | | |
| S | 09621 | | | |
| E | 09610 | 57 | 38 | 36 |
| F | 09611 | | | |
| S | 09622 | | | |
| E | 09614 | 69 | | 39 |
| F | 09615 | | | |
| S | 09623 | | | |
| E | 09616 | 75 | | 42 |
| F | 09617 | | | |
| S | 09624 | | | |
| E | 09618 | 88 | 48 | |
| F | 09619 | | | |
| S | 09625 | | | |

HEAD STYLES



Type E Head
For all standard work. Dimension between flanges: 8 1/8".



Type F Head
For use with electrical wiring. Dimension between flanges: 10 1/4".



Type S Head
36 square inches in support area.

Complete Unit Screw Extension Series - 139A Family

| | | | | |
|---|-------|----|----|----|
| E | 09802 | 42 | 24 | 50 |
| F | 09803 | | | |
| S | 09820 | | | |
| E | 09806 | 48 | 30 | 52 |
| F | 09807 | | | |
| S | 09821 | | | |
| E | 09810 | 54 | 36 | 54 |
| F | 09811 | | | |
| S | 09822 | | | |
| E | 09814 | 66 | | 58 |
| F | 09815 | | | |
| S | 09823 | | | |
| E | 09818 | 78 | | 64 |
| F | 09819 | | | |
| S | 09824 | | | |