

# MECHANICAL JACKS

## MINE ROOF SUPPORTS



Head Assembly  
Model 09167



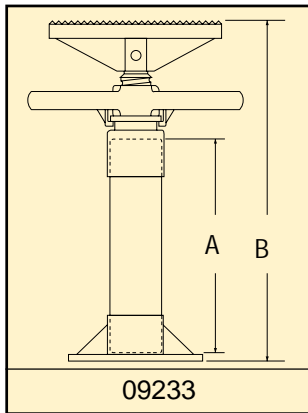
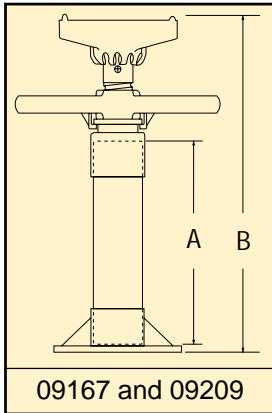
Base Assembly  
Model 09220



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



Type S Head  
232,3 cm<sup>2</sup> in  
support area.



Model Number	"A" Min. Pipe Length (mm)	"B" Min. Closed Height (mm)
MS9L-FS	521	686
MS9L-S	524	648
MS17L-FS	552	730

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 51mm schedule 40 pipe**. The 16 ton MS-17 models **require 51mm schedule 80 pipe**. A round base (ordered separately) is available to fit the 51mm 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 (mm)	*Max. Pipe Length (mm)	Max. Extended Ht. (mm)	Dim. Between Flanges (mm)	Weight (kg)
MS9L-FS	09167	09267	FS	8	381	1314	1854	146	8,6
MS9L-S	09233	-----	S			1861	2362	---	8,6
MS17L-FS	09209	09309	FS	16	---	1175	1727	146	15,5
Base MB-17	09220	-----	---	16	---	---	---	---	2,7

\* 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 2415 bar/8 ton models.
- Schedule 80 pipe with a minimum yield strength of 3312 bar/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 (mm)	Stroke (mm)	Weight (kg)
E	09602			
F	09603	991	508	13,2
S	09620			
E	09606			
F	09607	1143	660	15,0
S	09621			
E	09610			
F	09611	1448		16,4
S	09622			
E	09614			
F	09615	1753		17,7
S	09623			
E	09616		965	
F	09617	1905		19,1
S	09624			
E	09618			
F	09619	2235		21,8
S	09625			

### HEAD STYLES



Type E Head  
For all standard work. Dimension between flanges: 206,4mm.



Type F Head  
For use with electrical wiring. Dimension between flanges: 260,4mm.



Type S Head  
232,3 cm<sup>2</sup> in support area.

### Complete Unit Screw Extension Series - 139A Family

E	09802			
F	09803	1067	610	22,7
S	09820			
E	09806			
F	09807	1219	762	23,6
S	09821			
E	09810			
F	09811	1372		24,5
S	09822			
E	09814			
F	09815	1676	914	26,4
S	09823			
E	09818			
F	09819	1981		29,1
S	09824			