

HERCULES MAT® CRIBBING SYSTEM

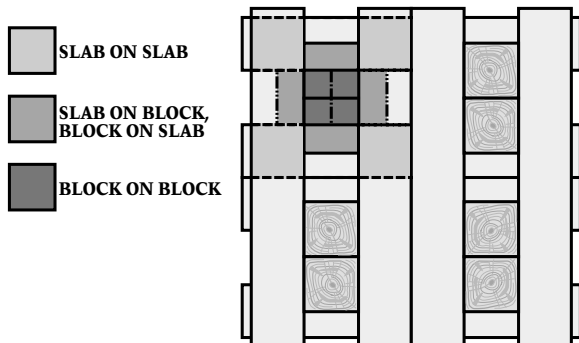
- ◆ The Hercules System is designed for areas that require high support capacity.
- ◆ The designs can be altered to suit the conditions and support loads from 100 tons to over 2,000 tons.
- ◆ Support capacity can be enhanced by using different timber species.
- ◆ The units are pre-assembled at our factory and are supplied in a mat form for easy handling, installation and transportation.
- ◆ Bundle sizes are designed to suit material handling constraints for each customer, enabling us to maximize the number of units that can be loaded and transported on mine equipment.
- ◆ The Hercules mats utilize the strength properties of timber, parallel and perpendicular to the grain. Our computer programs are able to predict the support capacity of each design.
- ◆ The units can be pre-stressed with the PACKSETTER™ Pre-Stressing System that pre-loads the unit on installation.
- ◆ The Hercules Mat Cribbing System is the most effective way to use timber to generate high capacity supports that provide high initial stiffness as well as long-term yields and stability.
- ◆ The Hercules mats are used in a variety of different mining conditions, in heights varying from 3 feet to 16 feet.



HERCULES MAT

CRIBBING SYSTEM

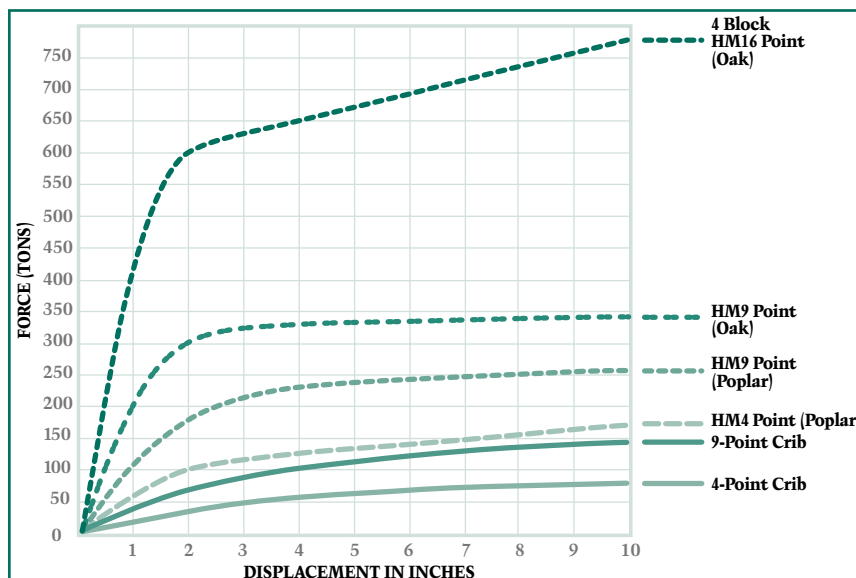
HERCULES MAT CONTACT POINTS



HERCULES MAT BENEFITS

- ◆ Ease of installation
- ◆ High support capacity
- ◆ Interlocking design provides stability
- ◆ High initial strength and long-term yield

Examples: HERCULES MAT vs. 4-Pt. and 9-Pt. Cribs



HERCULES MAT CONFIGURATIONS

Standard Configurations	HM4 Point 1 unit/layer 2 slabs, 2 blocks	HM9 Point 1 unit/layer 3 slabs, 4 blocks	4 Block HM16 Point 2 units/layer 2 slabs, 4 blocks	8 Block HM16 Point 2 units/layer 2 slabs, 8 blocks
Dimensions				
Length	21"	30"/32"	32" to 54"	32" to 54"
Standard Rise	6"	4"	6"	6"
Weight per Unit				
Poplar	53 lbs.	55 lbs./67 lbs.	57 to 94 lbs.	80+ lbs.
Oak	74 lbs.	77 lbs./95 lbs.	80 to 130 lbs.	103+ lbs.
Predicted Load Capacity (at 2" deformation)				
Poplar	108 tons	174 tons/194 tons	302 tons	660 tons
Oak	170 tons	306 tons/346 tons	604 tons	1,350 tons
Suggested Maximum Mining Heights	6 feet	7 feet/9 feet	9 to 14 feet	9 to 14 feet

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