

CARRIAGES

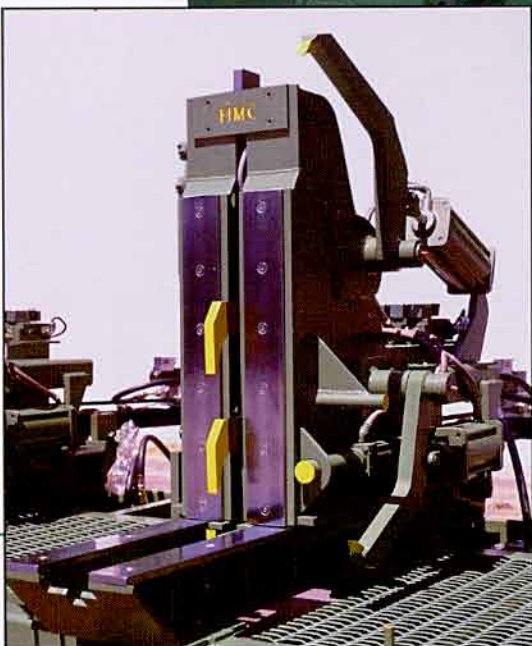
**Quality Engineering,
Rugged Construction,
Dependable Sawmill Equipment.**



HMC Standard and Maximum Production Carriages

High Quality Performance and Long Life

Our AC series carriages are designed for fast and firm dogging. They are rugged, reliable and cost effective. The AC-40 series is ideal for hardwood and softwood mills operating a standard or medium production. The AC-50 and 60 series are designed and built to produce high quality lumber under high production, heavy duty operation with maximum reliability.



Engineered for high accuracy
and low maintenance,
HMC Carriages are rugged,
reliable, and cost effective.

Frame

- All frames are made of square or rectangular tubing, cross braced and corner gusseted.
- Wheels are machined from 1045 heat treated steel for long life.

Head Block Assemblies

- Bunks are fabricated from heavy channel and gusseted for strength then fully machined for precise knee to bunk fit.
- Knees are driven from the set shaft by high tensile roller chain, easy and inexpensive to maintain.
- Ceran - P composite plastic between knee and bunk minimize wear, maximize ease of movement.
- Wear coated aluminum gib with side adjustment maintains a tight knee to bunk fit.

Dogging System

- Board Dog carriages feature straight line non-defacing dogs.
- A single bottom dog and two top dogs allow short, fast dogging cylinder travel.
- Dogs travel in straight line giving consistent engagement at all points within dog opening.
- Bottom dog will rise the full stroke of the cylinder to maintain bite on irregular shaped logs.
- Dogs ride on hardened and wear coated vertical dog slides.
- Dogs have T1 tool steel bit point.
- All pivot points are bronze bushed with grease fittings.
- Unique dual cylinder taper system protects headblocks from shock of loading and turning.
- Pullback cylinder "cinches" log or cant tight to knee face upon dogging.

Setworks

- 5 HP electric setdrive with DC brake, a very accurate and consistent setdrive with minimum coast.
- Cam setworks provides 6 adjustable presets as well as forward, reverse, dog in, and dog out limit protection.
- All HMC Carriages can be upgraded for computer set shaft control or state of the art linear positioning with or without scanning.

Options

Tong Dog design, underhook turners, double hook dog, cant flippers, knee, bunk and track oiler system.

HMC LP Series

Hydraulic Linear Positioning offers many advantages including extreme accuracy, infinite taper within the stroke of the cylinder, reduced mechanical linkage and associated maintenance. In addition, scanning capabilities assist the sawyer by offering predetermined opening faces within parameters defined by the mill, along with production, downtime, and log tally data. HMC carriages are available with linear positioning and scanning packages from most major vendors.



HMC Carriages, built to last!



HMC Board Dog Carriage Series

SPECIFICATIONS

	HMC AC-40	HMC AC-50	HMC AC-60
Frame	4" square x 1/2" wall tube Other sizes available	6" x 4" x 1/2" wall tube Other sizes available	8" x 6" x 1/2" wall tube Other sizes available
Cross Members	4" channel, corner gusseted and braced	5" channel, corner gusseted and braced	7" channel corner gusseted and braced
Axles	2-1/2" square with Timken tapered roller bearing	2-1/2" square with Timken tapered roller bearing 3" square with Timken tapered roller bearing (optional)	3" square with Timken tapered roller bearing
Wheels	10" diameter on 1-1/2" hex guide track 12" diameter on 1-1/2" hex guide track (optional)	12" diameter on 2" hex guide track 14" diameter on 2" hex guide track (optional)	14" diameter on 2-1/2" hex guide track 16" diameter on 2-1/2" hex guide track (optional)
Bunks	5" x 9.0# channel	6" x 16.3# ship and car channel	7" x 22.7# ship and car channel
Bunk Wearstrip	1/2" x 2-1/2"	5/8" x 3-1/2"	1" x 4-1/2"
Dog Opening	24-1/2" maximum 3" minimum	28" maximum 3-1/2" minimum	31-1/2" maximum 3-1/2" minimum
Setshaft	1-15/16"	1-15/16"	2-3/16"
Bunk Roller Chain	#80 high tensile	#100 SU high tensile	#120 SU high tensile
Knee Opening	36" or 42"	42" (48" optional)	48" (54" optional)
Tapers	2 position (1" forward, 1-1/2" back) Optional: 0" - 5" variable air or hydraulic taper	2 position (1" forward, 1-1/2" back) Optional: 0" - 5" variable air or hydraulic taper	2 position (1" forward, 2" back) Optional: 0" - 5" variable air or hydraulic taper
Dogs, Two Position	5/8" IN position 3-5/8" OUT position	5/8" IN position 3-5/8" OUT position	5/8" IN position 3-5/8" OUT position
Carriage Wheel Stance	45" (wider or narrower, optional)	54" (wider or narrower, optional)	60" (wider or narrower, optional)
Setworks Drive	5 HP electric AC, w/DC brake	5 HP electric AC, w/DC brake	5 HP electric AC, w/DC brake
Setworks	Mechanical Cam Hydraulic linear positioning with or without scanning (optional)	Mechanical Cam Hydraulic linear positioning with or without scanning (optional)	Mechanical Cam Hydraulic linear positioning with or without scanning (optional)



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