



re:think wood

dura crib® | dura stat®

re:engineered plastic lumber and cribbing catalog

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by turtle plastics

tomorrow re:imagined



re:imagine stability

For years, fire departments, industrial plants, mining, and construction workers have used wood to crib, block, or stabilize equipment, products and vehicles. 99% of cribbing being used today is wood. Wood is relatively inexpensive but comes with knots, is absorbent, cracks, splits and splinters. *The only guarantee with wood is that you will eventually need to replace it.*

Plastic cribbing has no knots and does not split, crack, or splinter. It does not absorb blood, oil, or most chemicals and is slip-resistant. *Turtle Plastics' guarantee is for 50 years. This saves you time and money in the long run.*



re:engineered plastic benefits

- 100% recycled plastic construction for added durability*
- Unmatched strength - stronger than oak
- Resistant to gas, oil, chemicals, even blood!!
- 50 year warranty against splitting, rotting, absorption, termites and mold
- Lightweight and splinter free
- Available in black and HI-VIS yellow
- Repeatability

* Against splitting, rot, fluid absorption, termites or mold

• active -vs- static cribbing

Active cribbing is used when a person is working near the cribbing. Static (or Passive) cribbing is used to keep material off the ground to allow a forklift to operate.

• design strength

Crossgrain bearing design strength for traditional wood cribbing varies by wood species from 200 PSI to 1000 PSI.

For example using:

500 PSI; Strength $500 \times 3.5 \times 3.5 \times 4 = 24,000$ lbs.

Plastic cribbing can sustain up to 700-1200 PSI. Creating a safer, longer lasting and more durable cribbing base.

• TOM (technical operations manual)

Available upon request.

PLASTIC -VS- WOOD

ATTRIBUTE	PLASTIC	WOOD
Absorption	Almost Zero	Everything
Splitting	None	Yes
Knots	None	Yes
Stability	Very	No
Warranty	50 Years*	None
Lab Tested	Yes	None
Time	Very Fast	Slow
Environmentally Sound	Yes	Poor
P.S.I.	700-1200	200-1000
Consistency	± 2%	0
Predictability	99%	0

The Army Corps of Engineers is the leading source of cribbing information and recommends the following cribbing guidelines.

Bottom layer should be solid to spread the load, especially on soil or asphalt paving.

Limit height to 3 times width (shortest width for non-square cribs).

Overlap corner by 4 inches to assure slow crush-type failure.

Source: U.S. Army Corps of Engineers

Design Strength is Based on Crossgrain Bearing

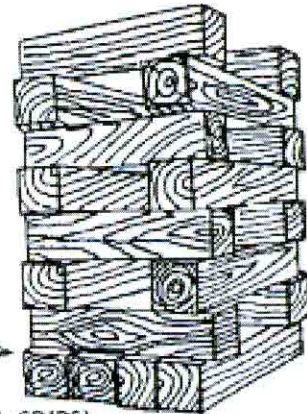
(VARIES FROM 200 PSI TO 1000 PSI DEPENDING ON WOOD SPECIES
500 PSI IS USED HERE - EXAMPLE 500 x 3.5 x 3.5 x 4 = 24,000)

FOR 2 MEMBER x 2 MEMBER LAYOUT

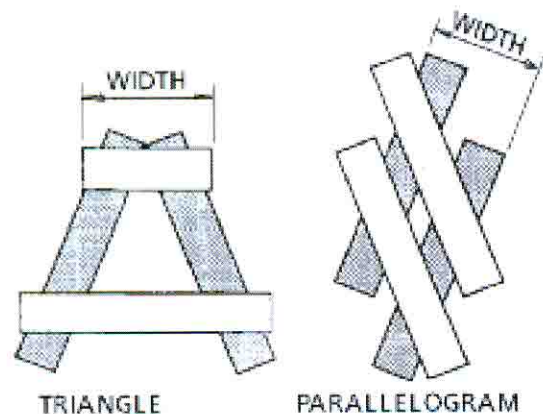
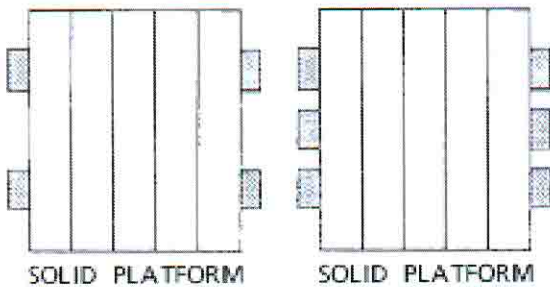
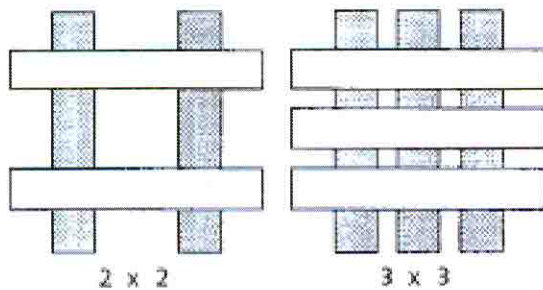
4 x 4 CRIB CAPACITY = 24,000 LBS (12 TONS)

6 x 6 CRIB CAPACITY = 60,000 LBS (30 TONS)

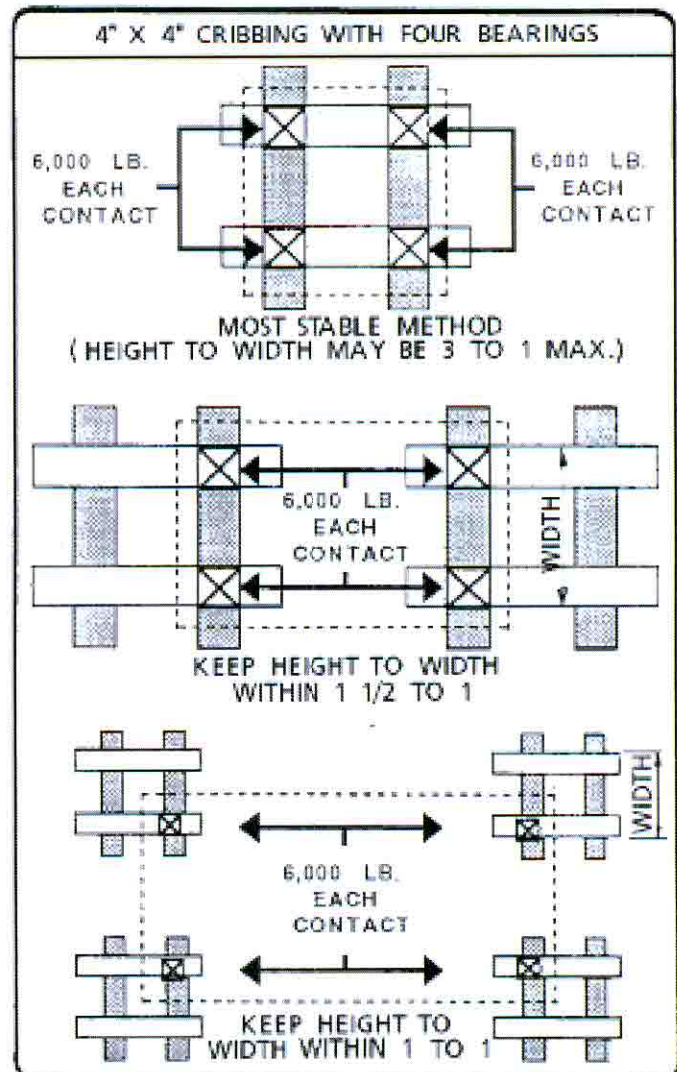
FOR 3 MEMBER x 3 MEMBER CRIB, CAPACITY IS 9/4 AS MUCH
500 x 3.5" x 3.5" x 9 = 55,000, 500 x 5.5" x 5.5" x 9 = 136,000



- BOTTOM LAYER SHOULD BE SOLID TO SPREAD THE LOAD ESPECIALLY ON SOIL OR ASPHALT PAVING
- LIMIT HEIGHT TO 3 TIMES WIDTH (SHORTEST WIDTH FOR NON-SQUARE CRIBS)
- OVERLAP CORNERS BY 4 INCHES TO ASSURE SLOW CRUSH TYPE FAILURE



BOTH ARE NOT VERY STABLE, KEEP HEIGHT TO WIDTH WITHIN 1 TO 1



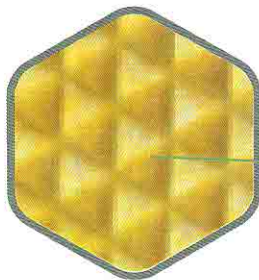
hybrid - the new standard in cribbing

- 2 surfaces in one crib.
- Pyramid design securely locks at any angle.
- Three side notches interlock for secure stacking.
- Non splitting.
- Resists oil, gasoline and blood absorption.
- Built in lanyard.

PART#
44PL-18

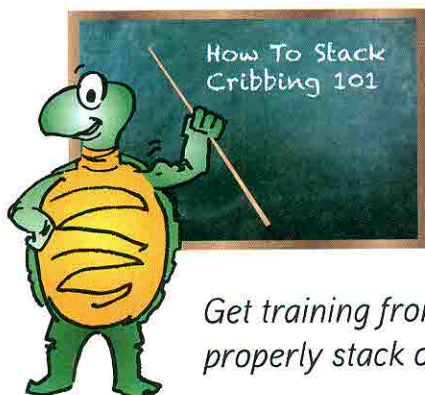
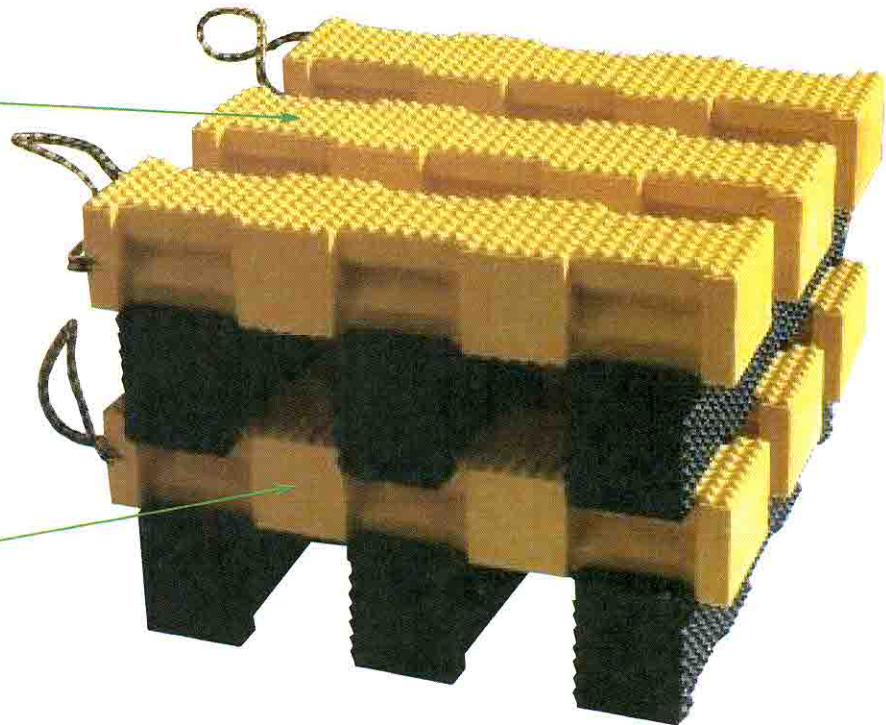
DESCRIPTION/DIMENSIONS
Pyramid / Lincoln Log 4" x 4" x 18"

WEIGHT
6 lbs.

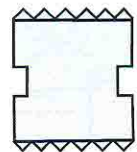


Slip-resistant pyramid locking surface creates a stronger, more stable base than wood.

Locking "Lincoln Log" style sides allow for additional strength and stacking configurations.



Get training from a certified instructor on how to properly stack cribbing.



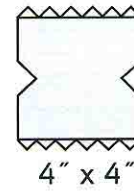
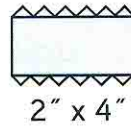
4" x 4"



pyramid cribbing

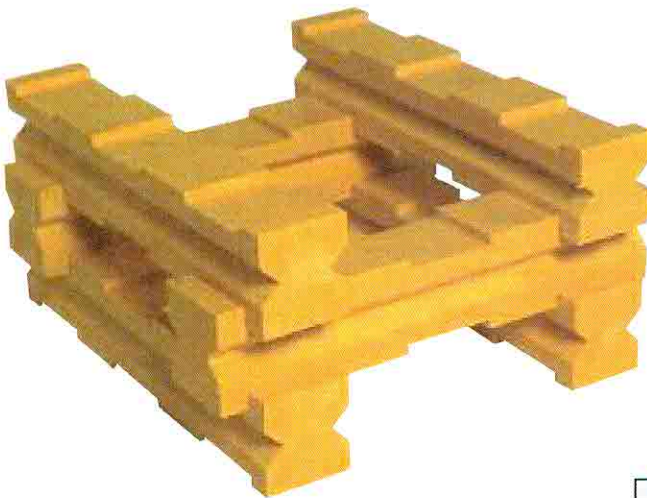
- Pyramid-locking surface on two sides.
- Built in lanyard.

PART#	DIMENSIONS	WEIGHT
24-18	2" x 4" x 18"	3 lbs.
44-18	4" x 4" x 18"	7 lbs.



lincoln log cribbing

- Three side notches interlock for secure stacking.
- Excellent stability.



PART#	DIMENSIONS	WEIGHT
44LL-18	4" x 4" x 18"	6.5 lbs.

