



TUFFBASE[®]

MURRAY EQUIPMENT BASES

INSTRUCTION MANUAL

Sizes & Max Design Load:

12' TuffBase®

Regular Tan

- » 300 and 400 BBL Tanks
- » 170,000 lbs max

Heavy Duty White

- » 500 BBL Tanks
- » 205,000 lbs max

15.5' TuffBase®

Regular Tan

- » 500 and 750 BBL Tanks
- » 290,000 lbs max

Heavy Duty White

- » 1000 BBL Tanks
- » 385,000 lbs max

21.5' TuffBase®

Regular Tan

- » 1000 BBL Tanks
- » 390,000 lbs max

Heavy Duty White

- » 1500 BBL Tanks
- » 635,000 lbs max

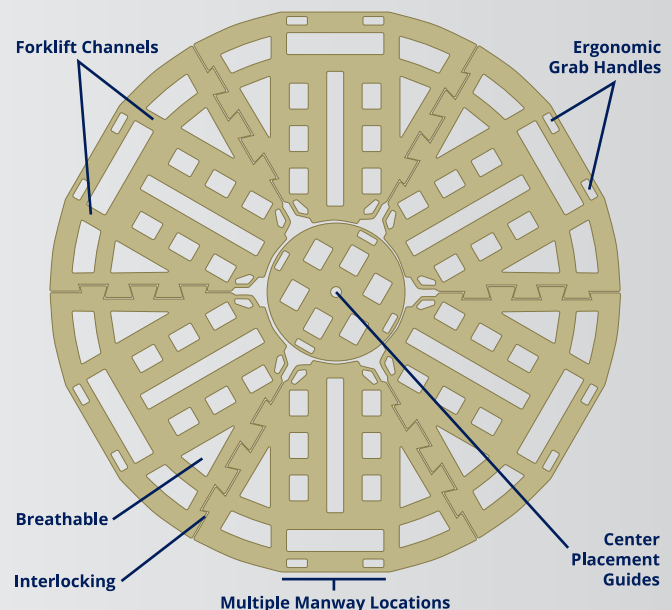
Unloading and Unpackaging Tips:

- » Each TuffBase piece and stack is forkliftable. While unloading, drive slowly to prevent stack from sliding and keep stack low to ground for safety.
- » Tools Needed: Basic power drill and a T25 star bit (needed to remove protective wood from stacks)

Installation:

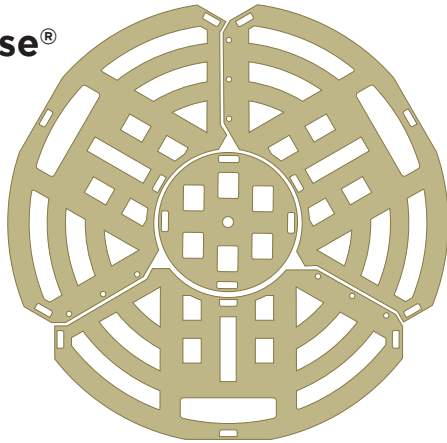
- » Level and pack substrate. If a liner or leak detection is being used place under the TuffBase®.
- » Use marker paint to spot the center of the tank's desired placement.
- » Use the TuffBase® universal center guide hole to align base with mark.
- » Each outer piece has a flat spot to house manway if needed.
- » TuffBases® are 5" tall and designed to be approximately 3" wider than the standard tank.

TuffBase® Features:



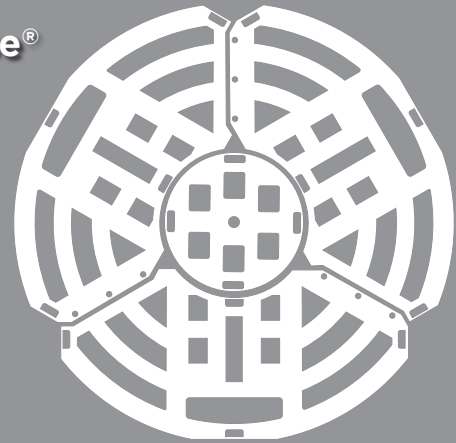
FOR USE WITH **FLAT BOTTOM** TANKS ONLY

12'
TuffBase®



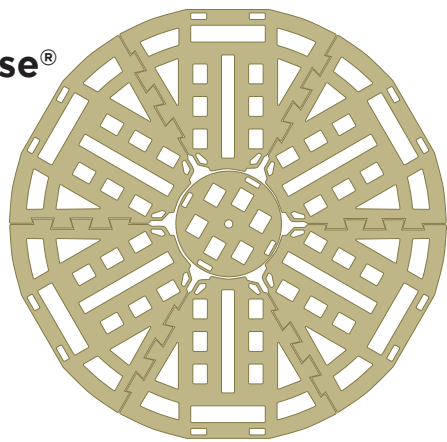
(1) Universal Center | (3) 12' Outers

12' HD
TuffBase®



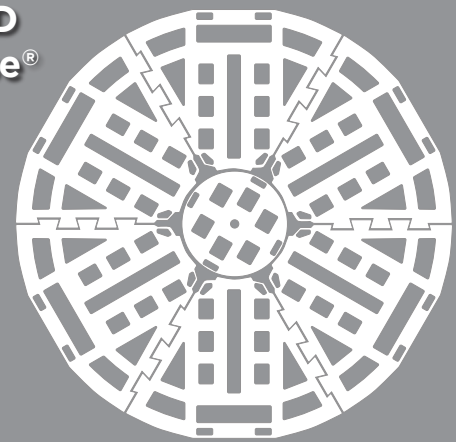
(1) Universal Center | (3) 12' Outers

15'6"
TuffBase®



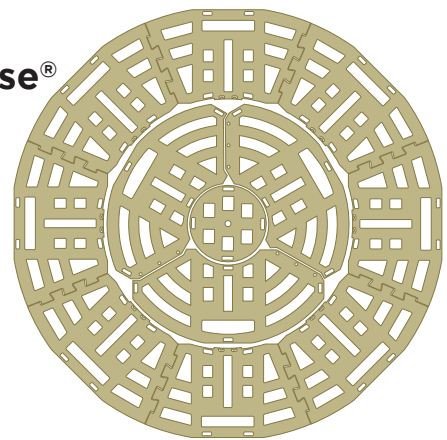
(1) Universal Center | (6) 15'6" Outers

15'6" HD
TuffBase®



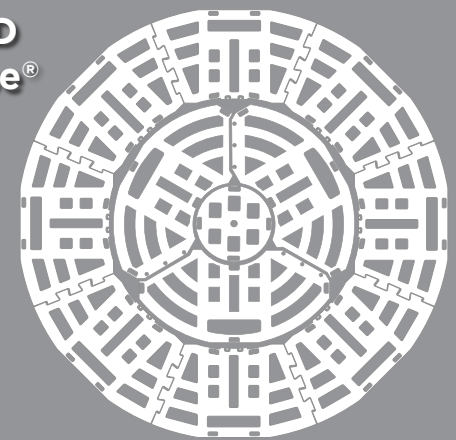
(1) Universal Center | (6) 15'6" Outers

21'6"
TuffBase®



(1) Universal Center | (3) 12' Outers | (8) 21'6" Outers

21'6" HD
TuffBase®



(1) Universal Center | (3) 12' Outers | (8) 21'6" Outers

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