

FRAME, HIVE AND FOUNDATION SPECIFICATION

	National	WBC	Smith	Commercial	Langstroth	Dadant
External Dimensions	18 ¹ / ₈ " x 18 ¹ / ₈ "	21 ¹ / ₂ " x 21 ¹ / ₂ " lifts 17 ³ / ₄ " x 16 ¹ / ₄ " brood	16 ³ / ₈ " x 18 ¹ / ₄ "	18 ⁵ / ₁₆ " x 18 ⁵ / ₁₆ "	20" x 16 ¹ / ₄ "	20" x 18 ¹ / ₂ "
Brood depth	8 ⁷ / ₈ "	8 ⁷ / ₈ "	8 ⁷ / ₈ "	10 ¹ / ₂ "	9 ⁷ / ₁₆ "	11 ³ / ₄ "
Deep brood depth	12 ¹ / ₂ "	12 ¹ / ₂ "	12 ¹ / ₂ "		11 ³ / ₄ "	
Super depth	5 ⁷ / ₈ "	5 ⁷ / ₈ "	5 ⁷ / ₈ "	6 ³ / ₈ "	5 ³ / ₄ "	6 ³ / ₈ "

Brood Frames

Hoffman	*11	*10	*11	*11	10	11
Narrow Ends	11	10				

Super Frames

*N.B. One extra brood frame can be fitted in each of these but manipulations are easier as shown with dummy board.

Hoffman	11	10	11	11	10	11
Manley	10	9	10	10	8	10
Wide Ends	8	8				
Castellated Spacers	9, 10 or 11	8 or 10				
Brood Area	2200 sq. ins.	2000 sq. ins.	2200 sq. ins.	3000 sq. ins.	2750 sq. ins.	3740 sq. ins.
No. Worker Cells	50,000	45,000	50,000	70,500	61,400	85,000
Bee Space	Bottom	Bottom	Top	Bottom	Top	Top

Foundation

Deep	13 ⁷ / ₁₆ " x 8"	13 ⁷ / ₁₆ " x 8"	13 ⁷ / ₁₆ " x 8"	15 ⁷ / ₁₆ " x 9 ¹ / ₂ "	16 ³ / ₄ " x 8 ⁵ / ₈ "	16 ³ / ₄ " x 10 ³ / ₄ "
Shallow	13 ⁷ / ₁₆ " x 5"	13 ⁷ / ₁₆ " x 5"	13 ⁷ / ₁₆ " x 5"	15 ⁷ / ₁₆ " x 5 ¹ / ₂ "	16 ³ / ₄ " x 4 ⁷ / ₈ "	16 ³ / ₄ " x 5 ³ / ₄ "
Extra Deep 14x12 or Jumbo	13 ⁷ / ₁₆ " x 11 ¹ / ₂ "	13 ⁷ / ₁₆ " x 11 ¹ / ₂ "	13 ⁷ / ₁₆ " x 11 ¹ / ₂ "		16 ³ / ₄ " x 10 ³ / ₄ "	

Thin super foundation sizes:

Section squares 4¹/₈" x 4³/₁₆" 3 Section length 12³/₄" x 4³/₁₆" 4 Section length 17" x 4³/₁₆"