



GARAGE DOOR HEADERS



The QB garage door header is an economical product designed to meet the load requirements for garage door and common header applications. Using select grade Douglas fir laminates along with structural clear glue lines results in superior performance and a better appearance. Each beam comes backed with 30 years of QB experience in producing quality laminated beams and our commitment to service.

- Full sized beams 3½" and 5½" so no fillers are required.
- Product is dried to KD 16 to minimize shrinkage.
- Available in balanced lay-ups to allow for either side up installation.
- Available in precut and custom lengths.
- Custom packaging is available upon request.

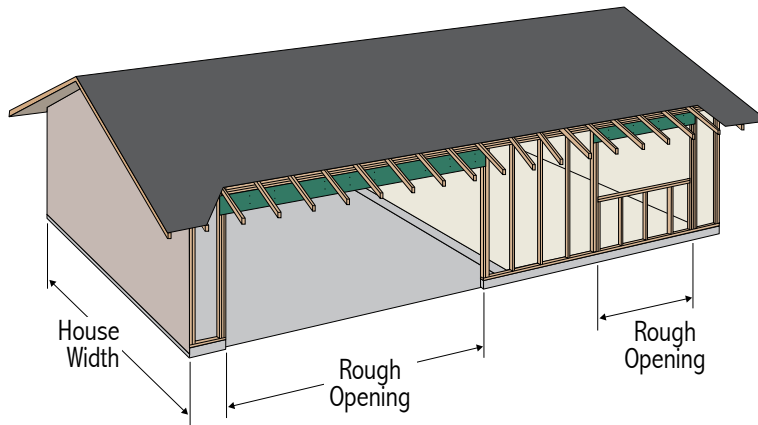
*Available in the
following depths:
9", 10½", 12", 13½",
15", 16½", and 18"*



QB GARAGE DOOR HEADERS

Width	3 1/2"							5 1/2"						
Depth	9"	10 1/2"	12"	13 1/2"	15"	16 1/2"	18"	9"	10 1/2"	12"	13 1/2"	15"	16 1/2"	18"
Moment (ft-lbs)	9,261	12,605	16,464	20,837	25,725	31,127	37,044	14,661	19,955	26,064	32,987	40,725	49,277	58,644
Shear (lbs)	4,939	5,762	6,586	7,409	8,232	9,055	9,878	7,819	9,122	10,426	11,729	13,032	14,335	15,638
Moment of Inertia	208	331	494	703	965	1,284	1,667	330	524	782	1,113	1,527	2,033	2,639
Weight per Foot	7.7	8.9	10.2	11.5	12.8	14.0	15.3	12.0	14.0	16.0	18.0	20.1	22.1	24.1

$F_b = 2,400$ psi
 Shear = 265 psi
 $E = 1.8E \times 10^6$ psi
 F_c perp = 650 psi
 Weight based on 35 pcf density.



Load		Structure Width	9'3"	16'3"	18'3"
Non Snow Area	Loading 20/20 125%	24'	3 1/2" x 9"	3 1/2" x 12" 5 1/2" x 10 1/2"	3 1/2" x 13 1/2" 5 1/2" x 12"
		30'	3 1/2" x 9"	3 1/2" x 13 1/2" 5 1/2" x 12"	3 1/2" x 15" 5 1/2" x 13 1/2"
		36'	3 1/2" x 9"	3 1/2" x 15" 5 1/2" x 12"	3 1/2" x 16 1/2"* 5 1/2" x 13 1/2"
Snow Area	Loading 30/15 115%	24'	3 1/2" x 9"	3 1/2" x 13 1/2" 5 1/2" x 12"	3 1/2" x 15" 5 1/2" x 12"
		30'	3 1/2" x 9"	3 1/2" x 15" 5 1/2" x 12"	3 1/2" x 16 1/2"* 5 1/2" x 13 1/2"
		36'	3 1/2" x 9"	3 1/2" x 16 1/2"* 5 1/2" x 13 1/2"	3 1/2" x 18"* 5 1/2" x 15"

3" bearing assumed.
 * 4 1/2" inches of bearing required.
 2' overhang assumed.
 Beams to be laterally supported along compression edge.
 Loads are uniform across the length of the beam.
 LL deflection limited to L/240. Total load deflection limited to L/180

QB Garage Door Headers
Distributed by:



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