BOOMILEVER B/C – 2020

Rank: _____
Tier: _____
Final Score: _____

Team Number: B/C___ Team Name: _____

Student Names: _____

1. _____		4.Part I.c.	Team's Estimated Load Score (first tie breaker)
2. T	F	6.d.iii.	Boomilever is able to be loaded (e.g. able to accommodate Loading Block, Loading Assembly, participants wearing eye protection). (If false, Tier 3)
3. _____		6.a.	Mass of Boomilever (in grams to the closest 0.01 g)

Construction and Competition Parameters

T	F	2.a.	Team enters only one Boomilever, built prior to the competition.
T	F	2.c.	Participants bring no equipment such as levels or squares.
T	F	3.a.	The Boomilever is a single structure, with no separate or detachable pieces.
T	F	3.a.	The Boomilever is constructed of wood and bonded by adhesive with no other materials used. Besides ink barcodes or markings from the construction process, the wood is not painted, color enhanced, or affixed with tape/preprinted/paper labels. Adhesive tapes are not used.
T	F	3.b.	The Boomilever is designed to attach to the Testing wall using the Mounting Hook
T	F	3.e.	Students are able to answer questions regarding the design, construction, and operation of the device.
T	F	4.Part I.d.	Alterations, substitutions, and repairs are not made to the Boomilever after check-in process is started.
T	F	4.Part II.a.	Once participants enter the event area to compete, they do not leave or receive outside assistance, materials, or communication until they are finished competing.
T	F	4.Part II.c.	Participants place the Boomilever on the Testing Wall and assemble the Loading Assembly as required to load the Boomilever. Participants do not adjust the Mounting Hook.
T	F	3.c.	The Boomilever is designed to support the Loading Assembly so that the loading point (the centerline of the chain) is between 40 cm and 45 cm from the Testing Wall.
T	F	3.d.	Before an throughout loading, no portion of the Boomilever touches the Testing Wall between the Contact Width Lines (drawn 4.0cm to the right and left side of the center of the hole for the Mounting Hook) or below the Contact Depth Line (drawn 20 cm for Division B and 15 cm for Division C below the center of the hole for the Mounting Hook).
T	F	4.Part II.d.	Once loading of sand has begun, the Boomilever is not further adjusted.
T	F	4.Part II.e.i.	Boomilever only attached to the Testing Wall by the Mounting Hook.
T	F	4.Part II.e.ii.	The loading point is between 40cm and 45 cm from the Testing Wall as measured horizontally.
T	F	4.Part II.f.	Participants do not directly contact the bucket except by using the tips of the provided bucket stabilizing sticks.

4. T F **ALL CONSTRUCTION AND COMPETITION PARAMETERS MET (IF FALSE, TIER 2)**

4.II.B. PARTICIPANTS HAVE 6 MINUTES TO SET UP AND TEST THEIR BOOMILEVER

5. _____		5.h.	Load Supported (including the Loading Assembly; in grams; 15,000 g max)
6. T	F		General Rule: The team is disqualified (notify the team and their coach as soon as possible)

SCORE = (_____ / _____) = _____
Load Supported (g) + Bonus / Boomilever Mass (g)

6.a

6.d

Tier 1: holding any load & meeting all construction parameters and competition requirements;
Tier 2: holding any load with any violation of construction parameters and/or competition requirements;
Tier 3: unable to be loaded (Participation)
DQ = Disqualification (per scoring guide only for misbehavior or cheating)

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