

A sustainable, durable, effortless system that moves your drums.



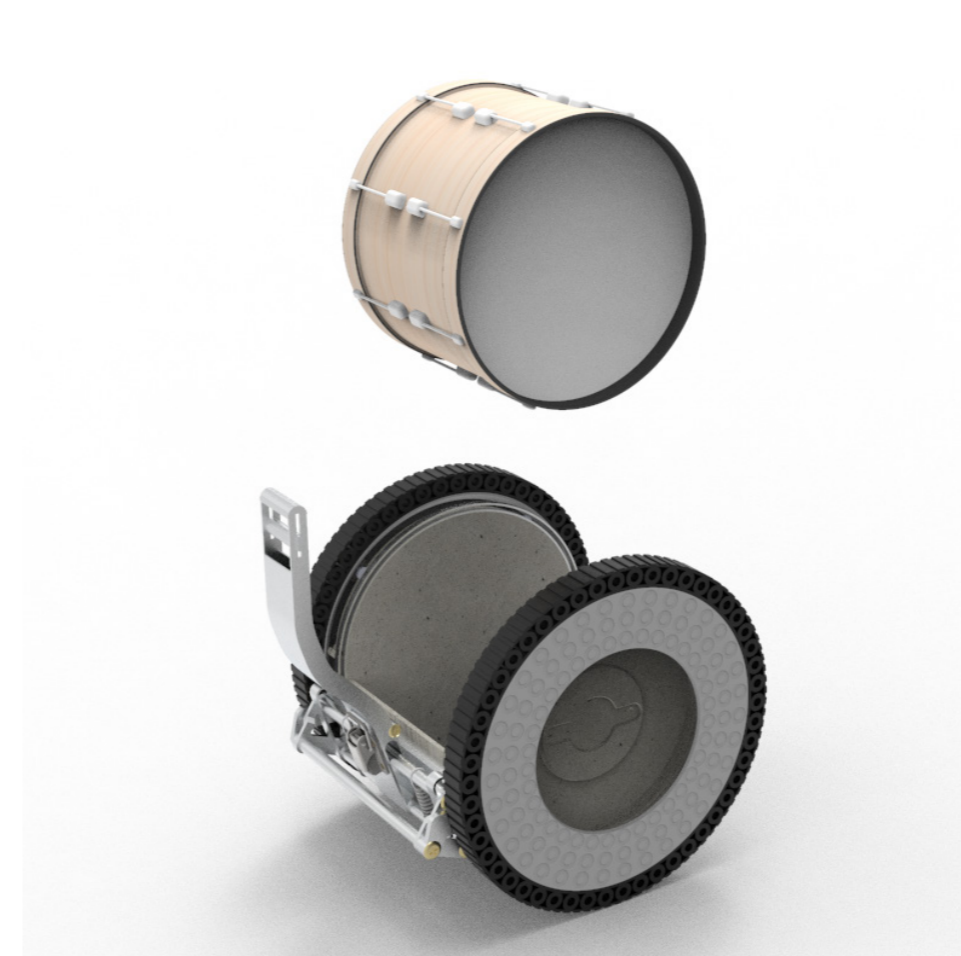
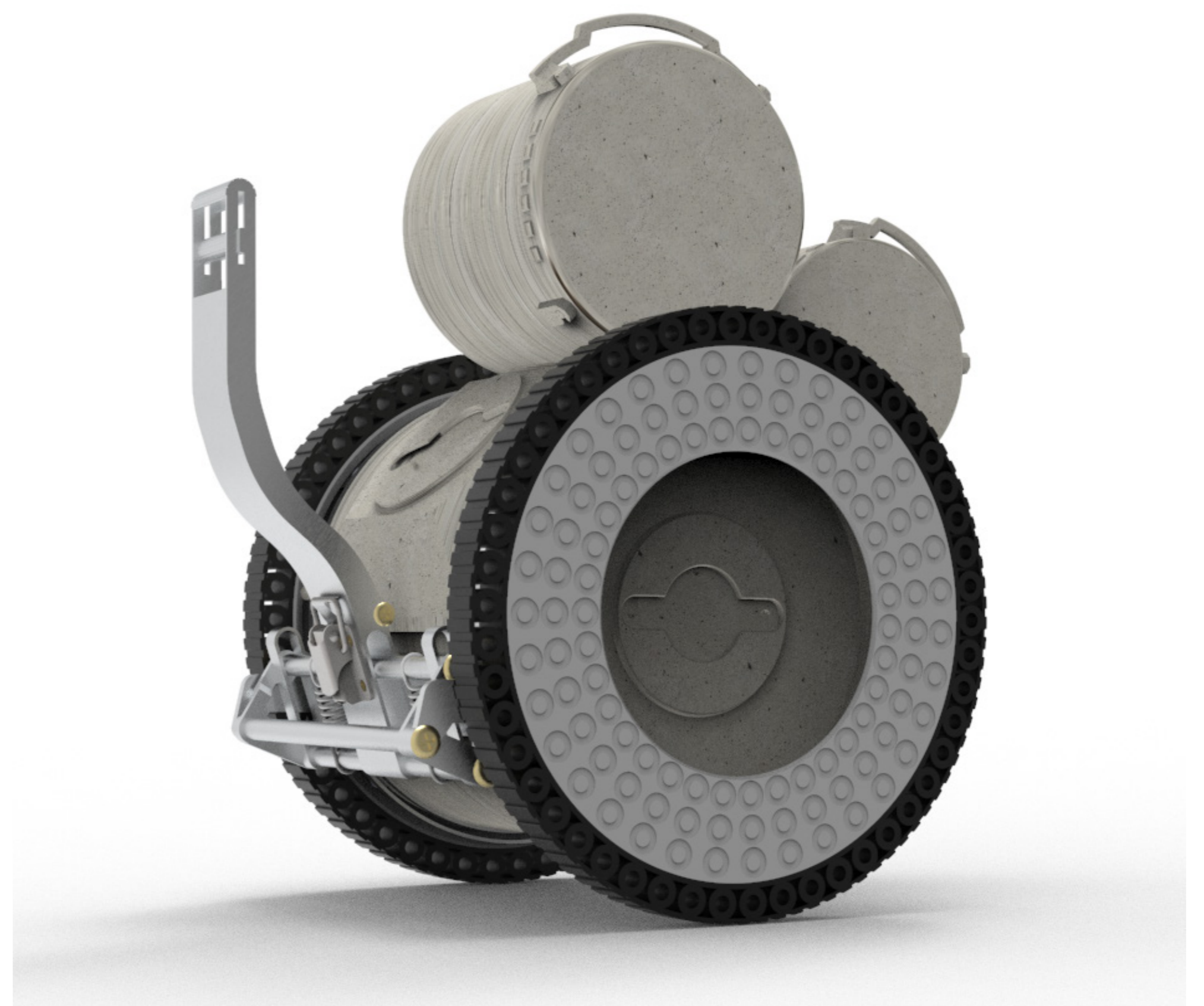
The Drum Roll is a modular drum case system with a trolley component, which enables seamless, effortless, and protective transport for up to six drum shells (a kick, two snares, and three toms). With incorporated safety features, solid construction, and use of sustainable materials, the Drum Roll is the future of mobility for active gigging drummers.

Live music is a core aspect of entertainment across the globe. Given its importance, research into existing literature suggests that the health of travelling musicians (both mental and physical) is often overlooked, especially by the musicians themselves. However, there was a distinct lack of information regarding how the equipment that musicians use (sometimes on a day-to-day basis) affects their health, and as to how they feel towards equipment that serve as more portable, lightweight alternatives. After a thorough experimentation and analysis process, it was found that some musical equipment does have a negative impact on the health and wellbeing of musicians. However, the majority of those involved in the experiment felt that the benefits of lightweight, portable products do not outweigh the negatives caused by the compromises made to enhance portability. Therefore, most musicians still choose to use traditional equipment. Furthermore, several key issues with access to venues was highlighted, however these issues are largely accepted by the musician community as 'part of the

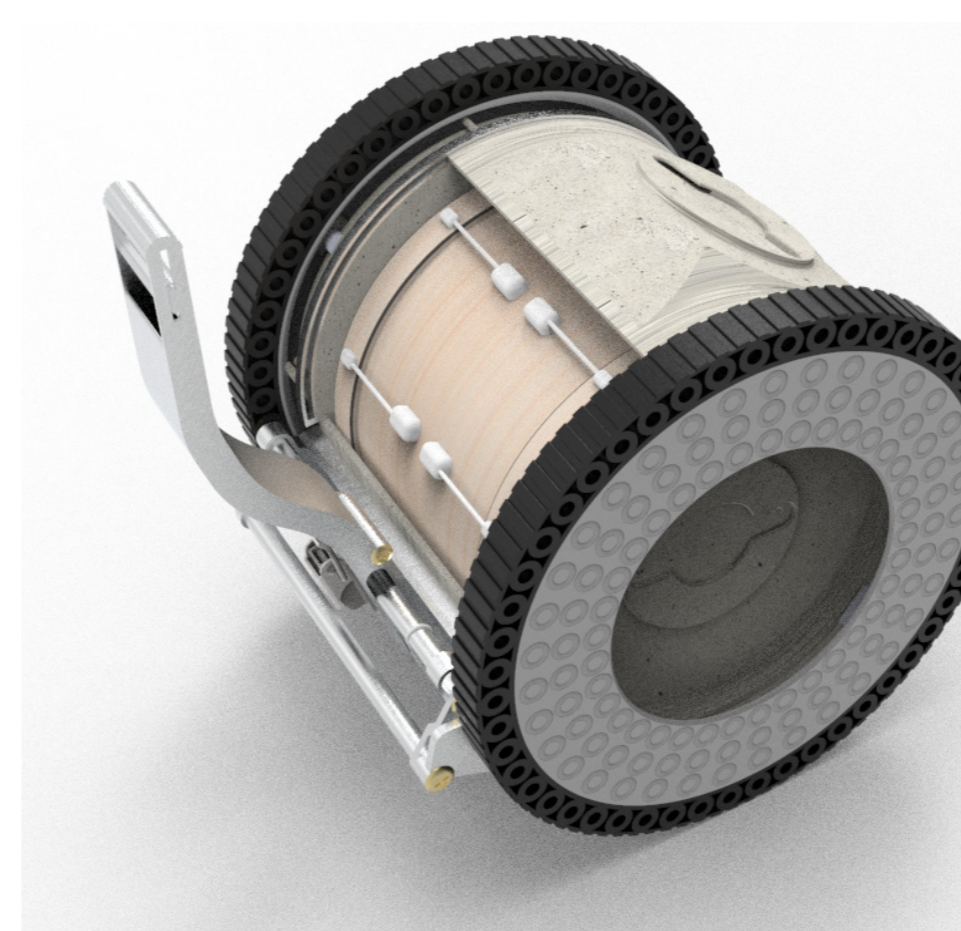
job'. As supported by both primary and secondary research, musicians tend to sustain injuries that lead to health complications in later life – this cycle continues, as young musicians are forced to work in environments unsuitable for the task, and to use equipment that causes harm towards the user. From the research, it can be argued that drummers are the most at risk of these health complications, due to a total lack of innovation within the mobility market for drumming equipment.

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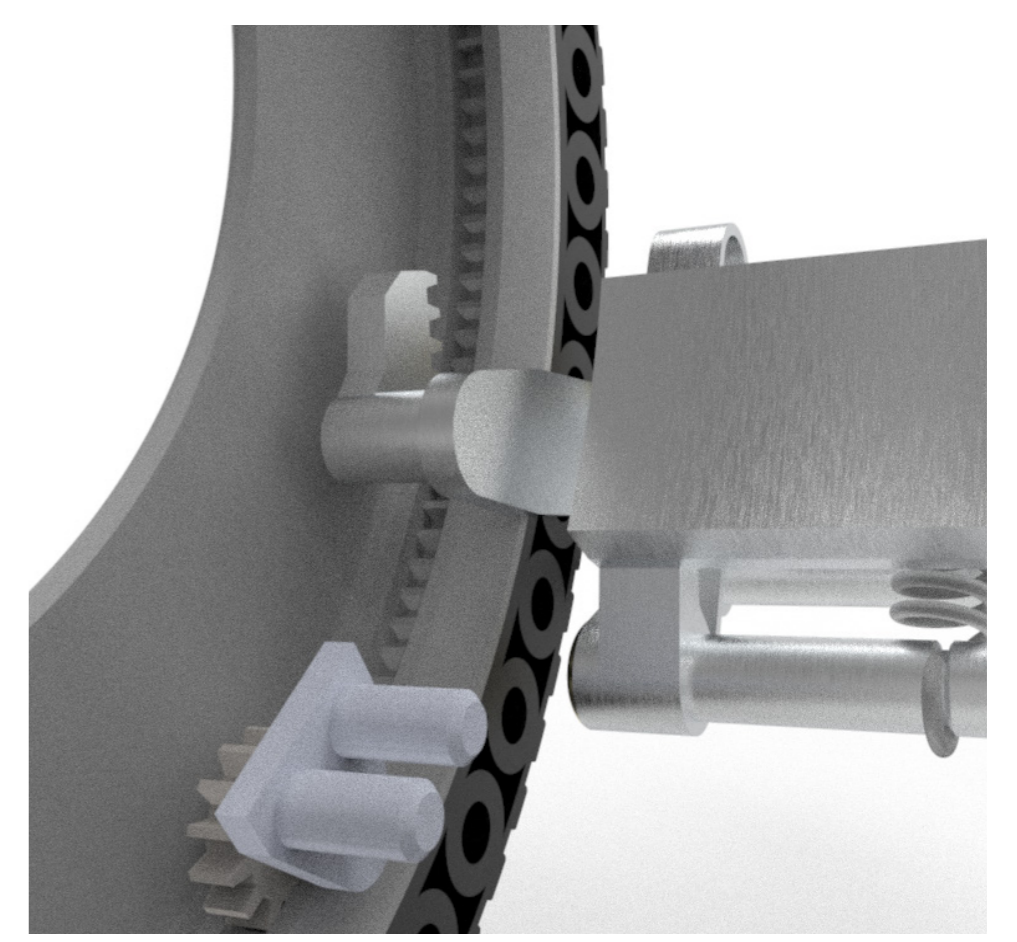
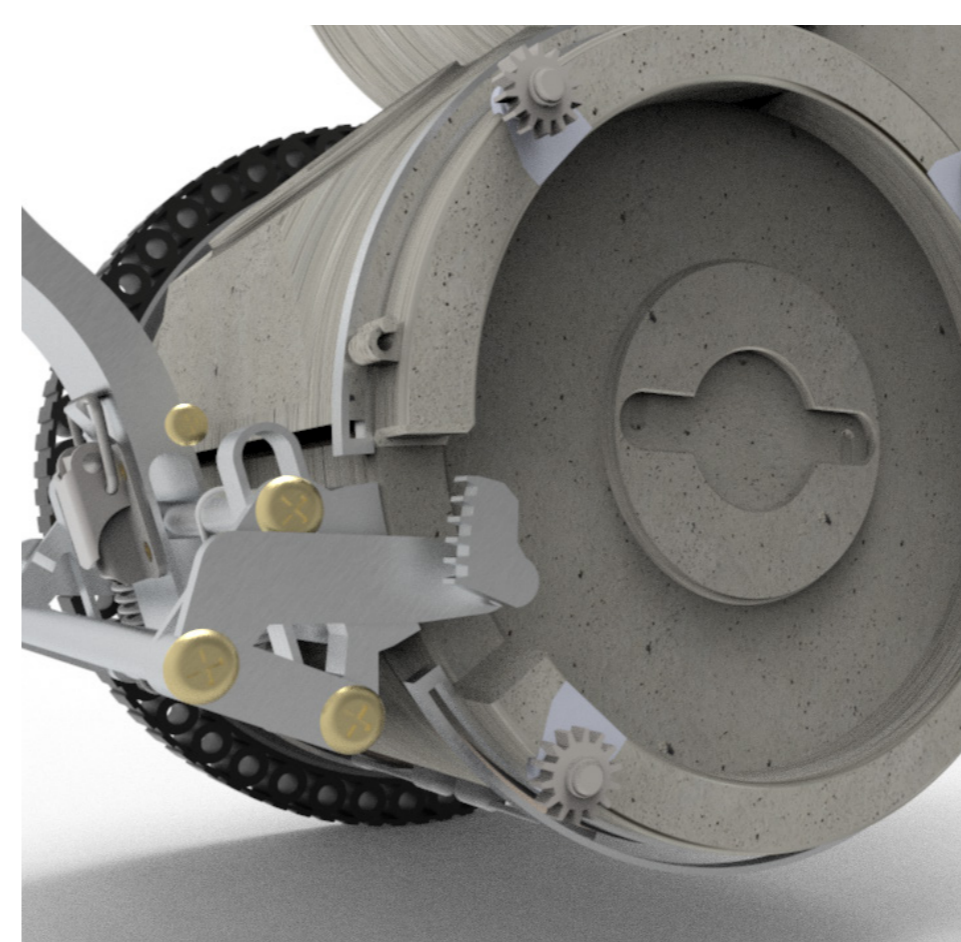
Therefore, to solve the mobility issues surrounding drum equipment, and to ensure injuries cannot occur during the transport process, the Drum Roll was developed - A sustainable, durable, effortless system that moves your drums.



Drums are placed inside each case, secured by snap-locks, ready for transport.



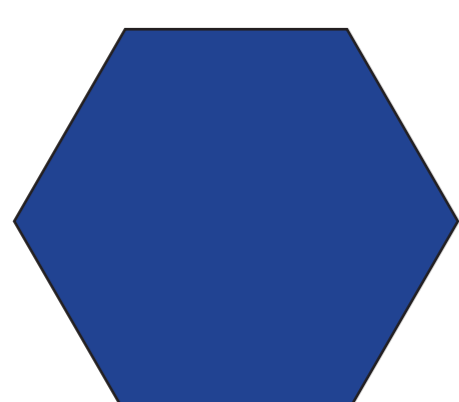
Large revolving main body lid provides large 'mouth' for kick drums to be placed within.



Automatic mechanical brake system uses a toothed part that, when released, meshes with the teeth of the wheel rim. The system is spring loaded, and ensures the Drum Roll never rolls away without its owner.



Snap-lock paddles secure each case onto the main body, allowing up to three toms to be carried atop, and two snare drums to be straddled on the sides.



THE DRUM ROLL
JOSHUA SUTTON DESIGN