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The objective of this paper focuses the light weight piston design through finite element analysis, and to optimize the piston design using parametric optimization.

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Behavioral and biobehavioral interventions appear throughout society. They are important in many areas of public health, such as substance misuse, HIV/AIDS, Hepatitis C, smoking cessation, cancer treatment, weight management, treatment of depression and other mental health problems, and prevention of child maltreatment.

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This paper is about design and analysis of gravity roller conveyor for weight optimization without hampering its structural strength. Gravity roller conveyor or non-powered roller conveyor are the most economical and common method of conveying unit loads. The conveyor is typically mounted on a slight decline angle, therefore using gravity with initial manual push to assist product movement ...