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## Tensile and flexural behaviour of steel materials used in the construction of crop processing machines

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### Abstract and figures

This experiment investigated the mechanical properties of mild steel, galvanized iron and stainless steel when subjected to tensile and flexural loading. Work pieces of 54 samples were prepared having a gage length of 30 mm for material thicknesses of 1, 1.5 and 2 mm which was replicated three times. Properties such as peak force at break, elongation at break, stress, and strain of the