

ELEMENT 24 SERIES TECHNICAL BULLETIN SUSPENSION SYSTEM

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The Element 24 series product line utilizes independent trailing arm torsion suspension integrated with a through-chassis fixed beam axle. The suspension system is comprised of a specially-shaped outer axle beam profile interlocked with a trailing arm carrier via rubber chords. The chords are specifically designed and manufactured to provide the best balance of shock absorbing properties and durability. The chords and trailing arm carrier assemblies for each side of the axle do not connect to one another providing a fully independent suspension. The utilization of the through-chassis fixed beam axle design feature allows the center of gravity of the trailer to be lowered while maintaining a zero degree trailing arm setting thus improving roll stability without adversely affecting the performance of the suspension.

