



# DT Hi-Load dump truck bodies

## Engineered for your mining truck



The DT Hi-Load dump truck body, characterised by its curved and flexible structure, provides the opportunity to maximise the payload on your haul truck without exceeding the original equipment manufacturer's gross vehicle weight limitation. Manufactured completely from anti-abrasion steel, the structure provides high strength for impact resistance while flexing slightly to effectively dissipate energy during loading, reducing fatigue damage.



Optimised design  
Customer specific



Lightweight  
Maximising payload



Tough  
Impact energy dissipation



Curved design  
Automatic load centering

# History

1994

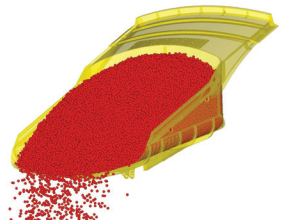
- Factory founded in Chile in May 1994 with the idea of creating a new design for bodies on mining Dump Trucks.
- In 1995 the prototype was produced for the test.
- With excellent performance in field, this new solution was registered in March 1996.
- From 1996 to 2001, 400 bodies were sold in Chile, Peru, United States and Australia. DT Hi-Load became the most reliable body manufacturer in the market.
- In July 2001, the company's name was modified to *Desarrollos Tecnológicos S.A (DTSA)*.
- The body designed by *Desarrollos Tecnológicos* has improved every year with new phases added in 2002, 2003 and 2004. The last one being called *Body Phase IX*.
- Acquired by Komatsu in 2011.
- DTSA developed the new *Body Phase X* in 2015.
- In May 2016, DTSA made the 'world's biggest body' for a 400 ton dump truck.
- In March 2019, DTSA moved to their new facility called *Buenaventura Plant*.

2019

Advantages	Expected Benefits
Lighter	<ul style="list-style-type: none"> <li>• Higher loading capacity</li> <li>• Lower component life</li> <li>• Lower fuel consumption</li> </ul>
Curved and flexible structure	<ul style="list-style-type: none"> <li>• Reduce fatigue damages</li> <li>• Energy dissipation</li> <li>• Improve impact resistance</li> </ul>
Auto-centered loads	<ul style="list-style-type: none"> <li>• Easy off-load</li> </ul>
Lower dumping angle	<ul style="list-style-type: none"> <li>• Increase haul cycles per hour</li> <li>• Fuel savings</li> </ul>
Higher floor angle	<ul style="list-style-type: none"> <li>• Better load retention</li> <li>• Less spillages</li> </ul>
Optimised weight distribution per axle	<ul style="list-style-type: none"> <li>• Reduce cost: tyre wear and suspension damages</li> </ul>
Fully manufactured with anti-abrasive steel	<ul style="list-style-type: none"> <li>• Robust and durable</li> <li>• Extended TBO (time between overhauls)</li> <li>• Easy and reduced maintenance cost</li> </ul>
Tailor made	<ul style="list-style-type: none"> <li>• Operational optimisation</li> </ul>
Curved canopy	<ul style="list-style-type: none"> <li>• Operator safety</li> <li>• Avoid loads in this area</li> </ul>

## DT Hi-Load bodies available for all OEM trucks.

DT Hi-Load bodies are an optimised and engineered solution for the mining market. The design has gone through advanced simulation and analysis to ensure the highest levels of structural integrity and optimised material flow patterns. Backed by real world testing and results.



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