



# ROBSON BUCKET ELEVATOR

Your solution to capacity optimisation through compact designs.



Feasibility



Design



Manufacture



Install



Maintenance

# Features and Benefits

## Lower Maintenance Cost

Key components externally mounted.

Ease of access, significantly reducing costly downtime.

## Increased Safety

Minimal external moving parts.  
Available ATEX certified.  
Options of full explosion suppression and / or burst panels. Fully guarded.

Reduction of risks associated with potentially explosive dust atmospheres.  
CE marked for safety.

## Guaranteed Quality

Over 100 years' application experience.  
Manufactured by highly skilled technicians and welders.

Increased reliability and durability, with reduced maintenance costs.

## Seamless Installation

Standard or innovational tubular casings, all supplied with flanged connections.

Ease of installation, cost effective, inherent strength, and increased life.

## Capacity Optimisation

Fully enclosed housing to allow internal or external location.  
Horizontal or vertical sections available.  
Multiple bucket sizes available.

Reduced footprint.



# Technical Specifications

Size	Width: Maximum 1000mm wide   Height: 50m+
Capacity	200 - 300TPH
Drive	Shaft mounted helical bevel   Geared motor unit
Bearings	Plummer block bearing   Flanged bearings
Belt Options	Antistatic   Fire resistant   Food safe   Oil resistant   Hard wearing
Chain Options	Stainless steel   Mild steel
Bucket Options	Stainless steel   Mild steel   Plastic
Sensors	Speed switch
Optional Sensors	Blockage sensor   Speed sensor   Belt alignment   Temperature sensor   Flame sensor
Construction Materials	Conveyor case and internals - stainless or mild steel   Conveyor support structure - galvanised mild steel
Explosion / Fire Protection	Suppression units   Explosion vent panels
Conveyed Materials	Dry bulky materials in the form of crumbs, grains, pellets, shreds, dust, powder, flake, or crushed products of bio-matter   Wet materials
ATEX	Zone 20 internally - Zone 21/22 externally

RHT-TDBE1



+44 (0) 1142 444 221 [www.robson.co.uk](http://www.robson.co.uk) [sales@robson.co.uk](mailto:sales@robson.co.uk)

[@georobson](https://twitter.com/georobson) [/company/georobson](https://www.linkedin.com/company/georobson)

