

# CREFORM STANDARD BST AGV TUGGER



## Mobilize multiple carts with a single BST AGV Tugger

The Creform Standard BST AGV drive unit works as an automated tugger, eliminating the need for associate driven delivery vehicles. The BST travels along a magnetic tape guidepath, then slips under a stationary cart and engages it by extending a tow pin into the cart's frame. The BST unit then conveys the cart to a designated workstation or load/unload points along the pathway. To disengage from the cart, the tow pin is retracted, automatically freeing the BST to travel to the next station.

A big advantage of the BST AGV is its ability to mobilize multiple carts with a single drive unit. This reduces the number of AGV units required to support your system. For larger operations a series of BST drive units can power an entire fleet of carts.

Ask about Creform's new CA-A50060-NSB or Low-Profile and Tite-Space BST AGVs for special applications.

- Run-Ready with prompt shipment from stock.
- Safety — audible warning and flashing light, obstacle sensor, bumper switch and e-stop.
- 24 Volt Power — full shift run under capacity load typical.
- Follows magnetic tape guidepath.
- Embedded magnetic strips available for high-traffic areas.
- Command tapes initiate AGV functions such as speed changes, route selection and extend/retract tow pin.
- Options include; PLC, RF and RFID.
- Service & Support: Programming, plus cart/structure designs, kitting or assembly assistance along with route layout installation available from Creform.



*Creform line-side gravity flow racks are easily sized to specific needs.*



*Creform carts can be built to safely handle sequenced large parts.*

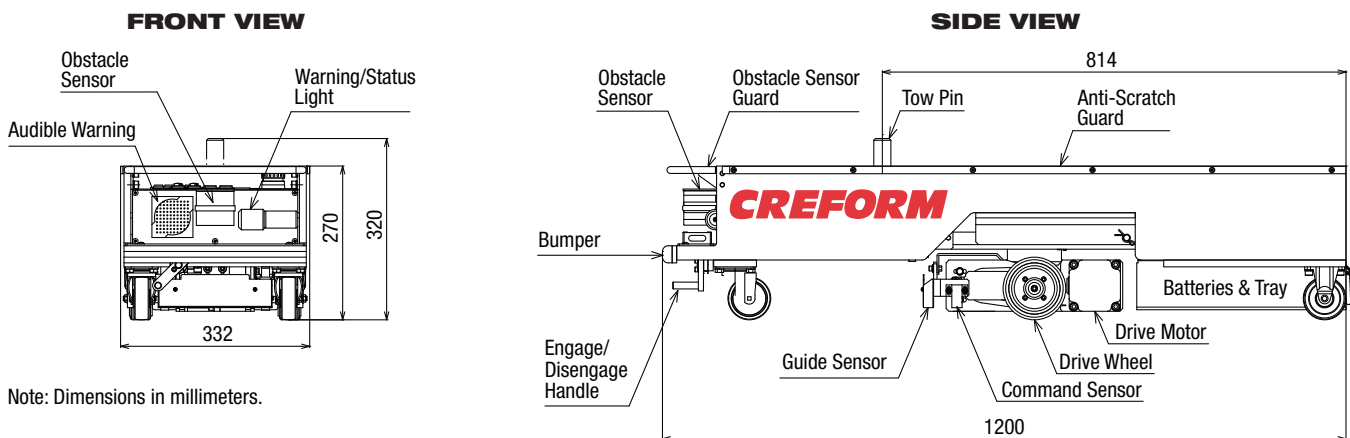


*A single BST AGV can manage an entire fleet of sequenced parts carts.*

# CREFORM STANDARD BST AGV TUGGER SPECIFICATIONS

Part number	CA2-A3800C
Guidepath	50mm wide Creform magnetic tape (course search when AGV starts)
Direction/speeds	Forward only; 3-50m/min (10 to 164 ft/min)
Braking system	Electromagnetic, dynamic and parking brake
Minimum turning radius	600mm R (24" R) - 180° turn
Power supply	24V DC (two 12V batteries)
Control method	Magnetic command tapes
Floor condition	Surface roughness 10mm or less between min. & max. height slope 1% or less; step 2mm or less; trough 10mm or less
Usage conditions	Indoor only; 0-40°C, 32-104°F; 30 to 80% humidity - no dew formation
Safety devices	Audible warning, non-contact obstacle sensor, flashing light, e-stop and bumper
Protective circuits	Over current prevention on motor (protect with motor driver) Over current protection on power source (15A breaker)
Draw bar/load capacity	26kg (57lb)/600kg (1320lb)* - includes cart plus AGV
Tow pin	30mm shaft OD/approximately 50mm vertical stroke
Unit weight/with batteries	74kg (164lb)/96kg (208lb)

\*Capacity depends on floor conditions and caster selection on the carrier



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