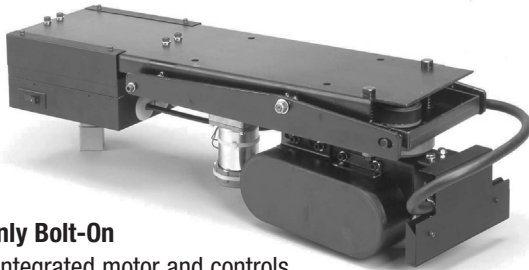


CREFORM STANDARD BOLT-ON AGV DRIVES

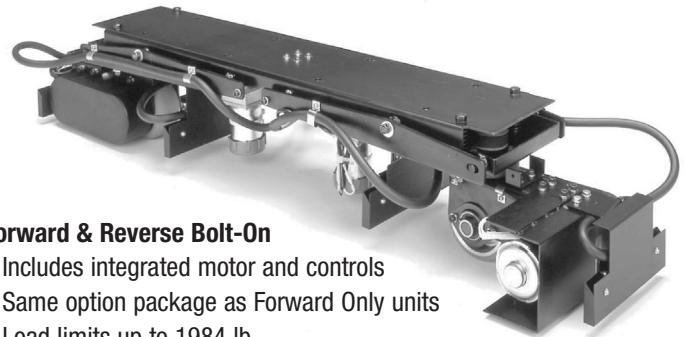


Forward Only Bolt-On

- Includes integrated motor and controls
- Optional course Controller, PLC, RF or Optical Communications interface
- Load limits up to 2866 lb

Creform bolt-on AGC drive units follow a magnetic tape guideway and their primary function is to automate Creform built carts for AGV applications. Like all Creform structures, these automated guided carts can be easily modified as needs change whether meeting JIT schedules, production changes or a continuous improvement effort.

Creform drive units are an all-in-one package with integrated drive and steering motors, control circuit boards and guide sensors, available in single and bi-directional units with multiple speeds and delivery locations. Units can also be attached to existing carts or to fabricated metal frames. They can also be used to create flexible, mobile assembly lines.



Forward & Reverse Bolt-On

- Includes integrated motor and controls
- Same option package as Forward Only units
- Load limits up to 1984 lb

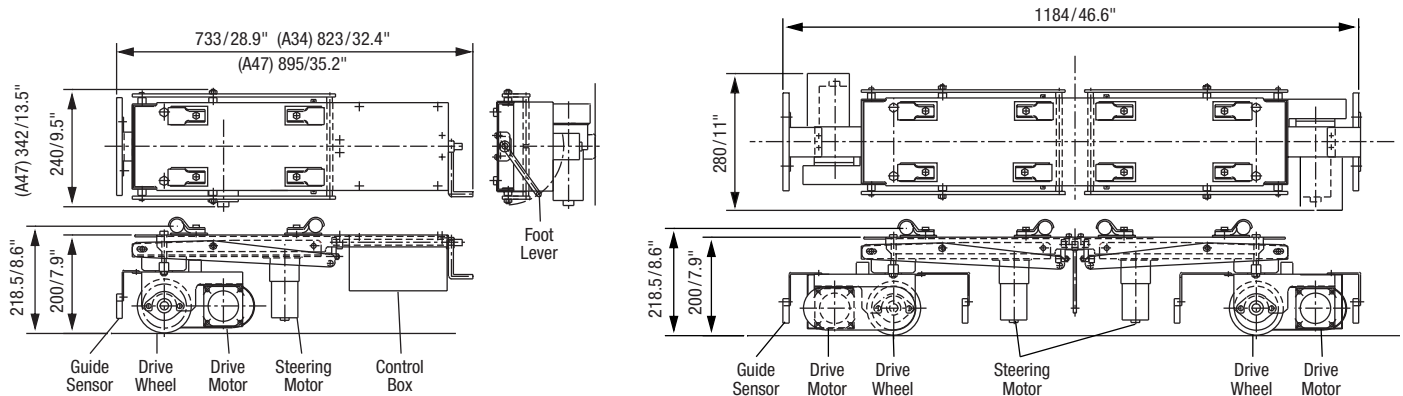
A wide selection of accessories include opportunity chargers, Traffic Control, Creform Course Controllers, PLC, RF or optical communications interface with other controls. Standard units are generally available from stock with quick lead times.

Creform AGVs are much safer than manual tuggers or forklifts. Manual vehicles are more dangerous due to driver distraction, driving too fast or associates not paying attention to them. Creform AGVs travel at slower programmed speeds following a consistent magnetic tape guideway and have warning devices, sensors and bumpers that will stop them should an object be detected.

CREFORM[®] MATERIAL
HANDLING
SYSTEMS
HOW IT'S PUT TOGETHER... SETS US APART.

CREFORM STANDARD BOLT-ON AGV DRIVES

SPECIFICATIONS



Note: First dimensions are in millimeters

Type	SINGLE DIRECTIONAL UNITS					
Specifications	FHS-A20020	FH-A50034	FH-A25068	FH-A15068 ⁴	FH-D25130	FH-D15130 ⁴
Load Limit (kg/lb)	200/440	340/750	680/1500	680/1500	1300/2866	1300/2866
Est. Tow Bar ¹ (kg/lb)	6/13	14/31	28/62	28/62	55/120	55/120
Brake	N/A	Parking & Dynamic Brake				
Guidance System	Magnetic Induction					
Power Supply	12 volt DC	24 volt DC	24 volt DC	24 volt DC	24 volt DC	24 volt DC
Speed High ² (m/min, ft/min)	20/66	50/164	25/82	15/49	25/82	15/49
Speed Normal ² (m/min, ft/min)	N/A	30/99	15/49	10/33	15/49	10/33
Speed Low ² (m/min, ft/min)	4/13	4/13	4/13	0.5/1.6	4/13	0.5/1.6
Minimum Turning Radius	>300mm/12"	>800mm/32"	>800mm/32"	>800mm/32"	>800mm/32"	>800mm/32"
Unit Weight (kg/lbs)	13/29	27/60	27/60	27/60	68/150	68/150
Type	BI-DIRECTIONAL UNITS					CRAB-CAPABLE UNITS
Specifications	FH-B50066 ³	FH-B35090 ³	FH-B25100	FH-M50066 ³		
Load Limit (kg/lb)	660/1455	900/1984	1000/2204	540/1188		
Est. Tow Bar ¹ (kg/lb)	28/62	38/84	55/121	22/48		
Brake	Parking & Dynamic Brake					Parking & Dynamic Brake
Guidance System	Magnetic Induction					Magnetic Induction
Power Supply	24 volt DC	24 volt DC	24 volt DC	24 volt DC		
Speed High ² (m/min, ft/min)	50/164	35/115	25/82	50/164		
Speed Normal ² (m/min, ft/min)	30/99	30/99	15/49	30/99		
Speed Low ² (m/min, ft/min)	4/13	4/13	4/13	4/13		
Minimum Turning Radius	>800mm/32"	>800mm/32"	>800mm/32"	>800mm/32"		
Unit Weight (kg/lbs)	56/123	58/128	68/150	60/150		

Protective Circuits	Motor overload protection, Main circuit breaker.
Floor Conditions	Maximum slope not to exceed 3% grade (1.7°) and floor imperfections >5mm/0.2in higher or >10mm/0.4in wide.
Usage Conditions	Indoors only. Temperature 0 to 40°C (32° to 104°F). Humidity 30% to 80% (Dew should not form at any time).

Note 1: Estimated tow bar is based on actual testing on a level concrete surface. **Note 2:** Speed of travel is approximate. Shown as "meters per minute / feet per minute" Speeds shown are factory settings. Speeds adjustable with digital multimeter. **Note 3:** Comparable units available in a split drive unit configuration. **Note 4:** Speed adjustable down to 0.5m/min.

South Carolina Office
Ph 864-989-1700
Fax 864-877-3863
SCsales@creform.com

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www.creform.com
800-839-8823

Michigan Office
Ph 248-926-2555
Fax 248-668-6650
MIsales@creform.com

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