

G&T's rugged, heavy duty Slope Plate is engineered, manufactured and installed to provide a life that exceeds industry standards, maximizing your investment.



Introduction

G&T's patented Slope Plate Device is constructed of articulating contoured carriages forming a continuous rotating sloped surface. The unit can be automatically fed via belt conveyor(s) and is operated continuously at 90 feet per minute. The usable width of the conveying surface is 59 inches.

The overall outside device dimension is 15 ft. 6 in. making it the narrowest device offered in the airline community. This rugged, heavy duty device is built and installed to provide a life that exceeds industry standards.

Frame and Track

The frame consists of standard modular assemblies bolted together to form a support structure and guide for the carriage assemblies. The construction is of structural steel, supported on 3 ft. 4 in. centers, providing a rigid, level surface for the tracks and frame.

Deck

The claim unit deck can be either a flat or raised design depending on the aesthetic appeal desired. In either case, the top of the deck is constructed of 3/4 in. fire retardant plywood supported by either a wooden or steel platform. The deck has a lockable access hatch for easy maintenance.

Carriage Assembly

Each modular carriage assembly consists of a steel support for the upper and lower polyurethane guide wheels and the stainless steel carriage plate. Each module is connected at its lower end for a continuous drive linkage.

Drive Assembly

The drive assembly consists of a heavy-duty, double-pitch roller chain driven by a motor through a gear reducer and drive sprocket. The roller chain engages three modular pallet assemblies at all times, and features a double drive sprocket and dual roller chains.

Electrical Controls

All G&T Slope Plate devices are furnished with soft-start for smooth start-ups, start warning, emergency stops and overload protection.

Trim

For installation in public claim areas, the outer peripheral guards and trim strips are Type 304 stainless with #4 finish. For installation in non-public sortation areas, the outer peripheral guards and trim strips are steel, finished in wear and rust-resistant paint. A 3 in. high toe space is provided at the base of the peripheral guards.

Technical Specifications and General Descriptions

Characteristics	Make-up Device	Claim Device
Width of Conveyor Surface	Approx. 59 in.	Approx. 59 in.
Slope of Conveying Surface	21 degrees	21 degrees
Plate Material	14 GA stainless steel with rub strip 12 GA stainless steel pallets can be supplied upon request	14 GA stainless steel with rub strip 12 GA stainless steel pallets can be supplied upon request
Load Capacity	250 lbs. / linear foot	250 lbs. / linear foot
Conveying Speed	90 FPM nominal	90 FPM nominal
Pallet Support Wheels	Polyurethane wheel with sealed ball bearing	Polyurethane wheel with sealed ball bearing
Bumper Material	50-60 durometer molded rubber	50-60 durometer molded rubber
Finish Trim	Hot-rolled steel, painted	304 stainless with #4 brush finish
Horsepower Requirements	5 HP minimum	5 HP minimum
Outside Radius	7 ft. 9 in.	7 ft. 9 in.
Soft Start	Electronic	Electronic
Supports	3 ft. 4 in. centers	3 ft. 4 in. centers
Drive	Dual roller chain	Dual roller chain
Unload Height	Variable	16 in. nominal
Toe Space	Variable	3 in. nominal

Features and Benefits

- Superior Quality and Attractive Appearance
- Extremely Reliable and Whisper Quiet
- Heavy Duty
- High Capacity
- Easily Maintained
- Modular Design for Greater Flexibility



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