

TRISTAR

**heavy-duty drive tension terminals
- doubles, triples, and quads**



Terminal shown with optional conveyor loading system

Doppelmayr's heavy-duty drive tension terminals meet and exceed the most strenuous mountain conditions. The TRISTAR with its time-proven technology satisfies steep slope and high capacity requirements. Like all Doppelmayr fixed grip systems, the TRISTAR offers long service life, ultra-low maintenance, and performs up to standards year after year.

TRISTAR DRIVE – TENSION TERMINAL

Features and Specifications

Standard Features

Two galvanized support legs and rear reaction column are anchor bolted to concrete foundations to absorb terminal vibrations

Fully open and unobstructed loading area provides the ultimate in clear and efficient passenger loading

Galvanized terminal structure, drive platform, roof, and all machinery mounts

Drive terminal features complete bullwheel and chair coverage to minimize snow/ice on braking surface, chairs and loading/unloading zones

Motor room is designed with vertical end walls and full length heated rain gutters to keep melting snow from dripping on chairs, customers or loading zone

Standard bullwheel diameter 13.5 feet (4.11 meters) bullwheel

10 feet (3.04 meters) of carriage travel using a single hydraulic cylinder load holding valve

Carrier guide on entry side of bullwheel to minimize carrier swing as grip enters bullwheel

Spacious, durable polycarbonate, aluminum and steel motor room enclosure designed for easy maintenance and field assembly

Motor room completely pre-wired including heaters and lights

Rope diameters up to 45 mm

Complete drive train equipment accessibility from all sides for inspection and maintenance

On demand fully automated electric hydraulic tension system with manual backup pump

Double floor in motor room to conceal wiring, plumbing, and protect passengers from potential oil leaks

Easy replacement of bullwheel liner

Bullwheel retainer

Galvanized entry porch with handrail and access ladder

Spring applied, hydraulically released caliper disc and flange brakes with internal high speed rollback in gearbox

Electric hydraulic pump with manual backup for service, rollback, and emergency brakes

Full length, overhead drive machinery lifting rail to facilitate large component inspection

Structural tie-offs for de-tensioning

Optional Features

DC or AC drive configurations

APU and/or evacuation drives with independent fuel tanks

Electric or diesel power

Conveyor loading system featuring chair guidance and load gate

System Performance Capabilities

Capacity

Up to 2,400 pph

Speed

Up to 500 ft/min (2.54 m/s)

Horsepower

Up to 400 hp (300 kw)

050912



USA

3160 West 500 South
Salt Lake City, Utah 84104
T: 1-801-973-7977
F: 1-801-973-9580
info@doppelmayrusa.com

Canada

800 St. Nicholas Street
St. Jerome, Quebec, Canada
J7Y 4C8
T: 1-450-432-1125
F: 1-450-432-6043
stjerome@doppelmayr.ca

www.doppelmayrusa.com