



# Powered Conveyors

## IMPORTANT: APPLICATION INFORMATION FOR "ZERO-PRESSURE" CONVEYORS!

When applying any zero-pressure conveyor, a number of factors must be considered for the conveyor to operate properly.

### PRODUCT WEIGHT

#### 138-NSPEZ

Maximum load 10 lbs. per driven roller. No minimum weight requirement.

#### 190-NSPEZ

Maximum load 15 lbs. per driven roller. Minimum load 1 lb. per foot of conveyor. No minimum weight requirement.

#### ABEZ

Maximum load per linear foot of conveyor is 150 lbs., NOT TO EXCEED the capacity shown in catalog. No minimum weight requirement.

#### 190-PREZ

Maximum load of conveyor is 50 lbs. per zone, NOT TO EXCEED the capacity shown in HYTROL's General Catalog. No Minimum weight requirement

#### 25-LREZ

Maximum load per linear foot of conveyor is 1000 lbs., NOT TO EXCEED 4000 lbs. unit load or total load capacity shown in HYTROL's General Catalog.

#### 199-CREZD

Maximum unit load 1250 lbs. at 35 FPM (1/2 HP maximum). NOT TO EXCEED CAPACITY shown in HYTROL's General Catalog

#### 25-CREZD

Maximum unit load 3000 lbs. at 30 FPM (1/2 HP maximum). NOT TO EXCEED CAPACITY shown in HYTROL's General Catalog

#### 36-CREZD

Maximum unit load 5000 lbs. at 26.5 FPM (1/2 HP maximum). NOT TO EXCEED CAPACITY shown in HYTROL's General Catalog

#### PLEZD

Maximum unit load 2000 lbs. at 38 FPM (1/2 HP maximum). NOT TO EXCEED CAPACITY shown in HYTROL's General Catalog

#### DCEZ-60, DCEZ-63

Maximum load 6000 lbs. at 30 FPM (1-1/2 HP maximum). NOT TO EXCEED CAPACITY shown in HYTROL's General Catalog

#### DCEZ-82, DCEZ-83

Maximum load 6000 lbs. at 30 FPM (2 HP maximum). NOT TO EXCEED CAPACITY shown in HYTROL's General Catalog

### PRODUCT LENGTH

#### MINIMUM:

Minimum product length on "zero-pressure" package handling conveyors should be three times the tread roller spacing. Based on the standard roller spacing of 3 in., this would be 9 in.

Minimum product length on "zero-pressure" pallet handling conveyors should be four times the tread roller spacing.

#### MAXIMUM

Maximum product length on "zero-pressure" package handling conveyors should be 3" less than the zone length. There will be no gaps between products if the product length equals the zone length.

Maximum product length on "zero-pressure" pallet handling conveyors should be 6 in. less than the zone length.

### PRODUCT WIDTH

Product not to be wider than the Between Rail Width of the conveyor on "zero-pressure" package handling conveyor. (NOTE: Product clearance must be checked if "zero-pressure" curves are used in the application.)

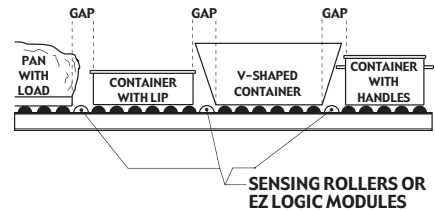
Product should be 6-1/4 in. less than the OAW of the 25-LRA/25-LREZ and 10-1/4 in. less than the OAW of the 2511-CRA/2511-CREZ.

### CONDITION OF PRODUCT BOTTOM

A firm flat bottom is required on product. A soft or irregular bottom may cause hang-up. If the load exceeds 50 lbs. per foot, product should have a rigid bottom. Pallet type products must have a conveyable surface with runners in the direction of travel.

### PRODUCT SHAPE

Containers with handles, product overhang, or of "V" shaped design may leave gaps at sensor (see illustration below). If sensor is not depressed, or blocked, in the case of photo electric sensors, a pressure "build-up" will occur.



### PRODUCT FLOW

All of HYTROL's "Zero-Pressure" conveyors are designed for one direction conveying only.

### CONVEYING SPEED

Speeds other than the standard speed listed in the specifications for each conveyor will affect the accumulation feature of the conveyor.

### BED LENGTHS

Bed lengths are supplied in multiples of zone length. Because of special design equipment, standard bed lengths must be used to make up "Overall Conveyor Length". Adjoining conveyors should be altered to fit layout requirements.

CONVEYOR ACCESSORIES