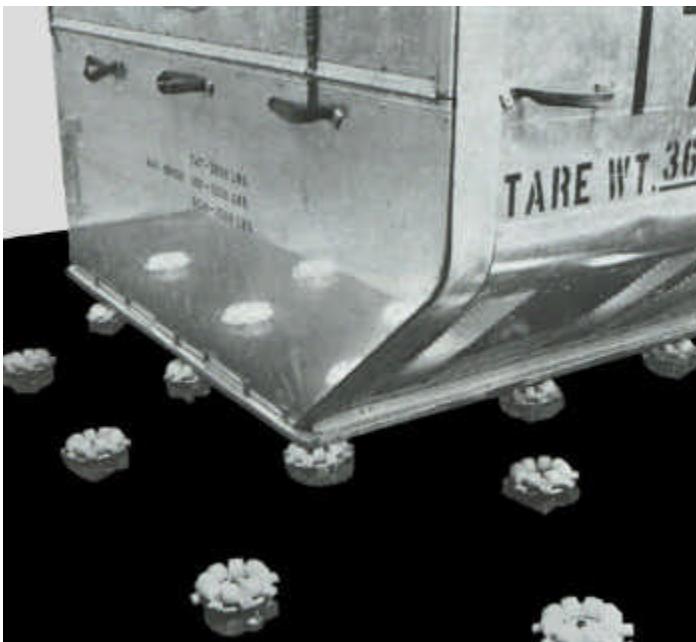


TRANSDISC®

heavy duty, low profile multi-directional unit



Floor mounted Transdiscs provide ample walking space for push conveying of a 747 baggage container. The low friction multi-directional capability of Transdisc® allows easy positioning and turning of the container.

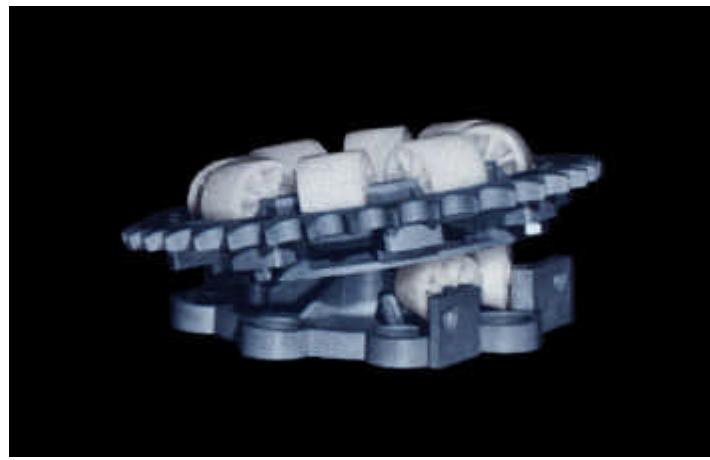
**Powered or idler
Corrosion resistant
Self lubricating
Light weight
Height only 3.375”
Non Marking
Low friction**



FX-204 Idler Transdisc®

TRANSDISC HAS MANY APPLICATIONS

Simple floor or platform mounting, combined with a low profile, light weight, low friction and heavy duty rating make Transdisc® an ideal device for rotation, transfer, multi-direction conveying, alignment and accurate positioning of heavy loads, such as baggage containers, air cargo, igloo loads, pallets, machinery and many other flat bottomed or pallet mounted items.



FX-203 Powered Transdisc®

CAN BE USED OUTDOORS

All stainless steel and high strength plastic construction resists water, dust, heat and cold.

EASY TO INSTALL

The Transdisc® base has eight mounting holes in a circular pattern that permits index mounting in any 45° increments.



KORNYLAK

CORPORATION

400 HEATON ST • HAMILTON, OHIO 45011 • 513-863-1277

www.kornylak.com • www.omniwheel.com • www.palletflo.com

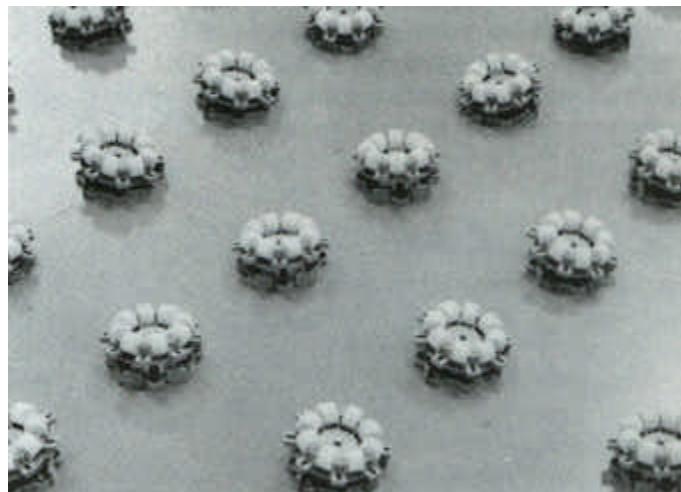
Email: kornylak@kornylak.com

IDLER TRANSDISC

HEAVY DUTY, CORROSION-RESISTANT CONSTRUCTION

Transdisc® consists of two major sub-assemblies, a base and a rotating disc. The mounting base is molded of glass filled nylon and includes a tilted stainless steel pivot pin and two tapered nylon rolls to support the disc directly under the load point. The axles are stainless steel. The disc, also of glass filled nylon is equipped with 8 barrel shaped nylon rolls on stainless steel axles. The disc is retained by a stainless steel snap ring. Fastening of the base to the floor is by means of four 3/8" hex or socket head cap screws with space in the counterbore for a socket wrench.

Simple floor supported cover plates are easily added as desired for appearance or for walking convenience when spacing of Transdisc® is close.



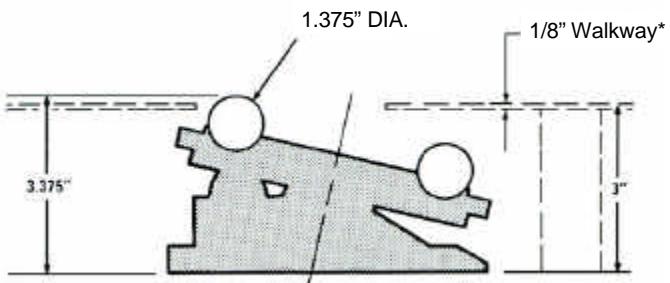
A simple Transdisc® equipped plate permits easy multi-directional movement of food service containers on an aircraft loader.

DIMENSIONS AND SPECIFICATIONS



Two rugged sub-assemblies make up the FX-204 Transdisc®. Units are shipped fully assembled.

MODEL FX-204 IDLER TRANSDISC®



*Note - Shield is optional. Not required for operation.

Capacity 200 lbs.*

Height 3.25"

Diameter 6.5"

Weight 1.5 lbs.

Axes Stainless Steel

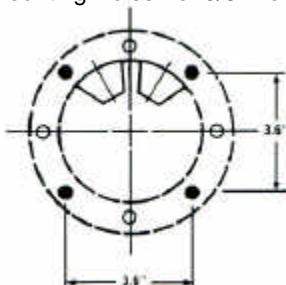
Bolt Holes For 3/8" dia.

Base Glass/Nylon

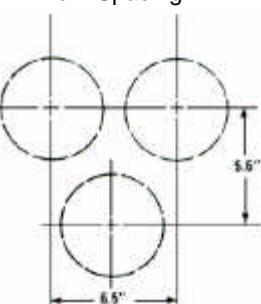
Disc Glass/Nylon

Rolls Glass/Nylon

Mounting Holes For 3/8" Bolts



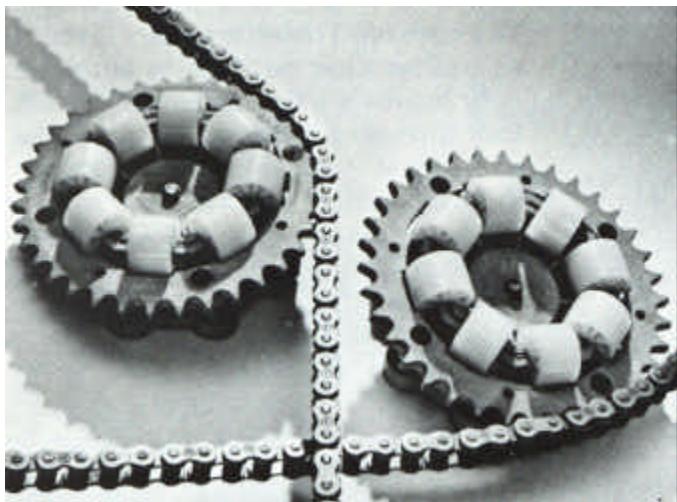
Minimum Spacing



*Maximum loading recommended for air cargo pallets and containers to prevent indentation of bottom surface. Static test performed at 300 lb. load on standard balsa core aluminum skin panels showed no sign of indentation.

Hole spacing provides for rotation in 45° increments.

POWERED TRANSDISC

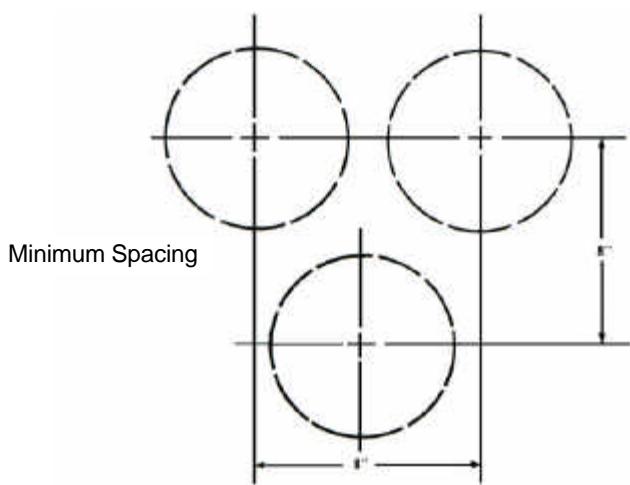


Two Transdiscs arranged for powered movement in both x and y directions. Note that the chains are at different levels to clear each other. Also note the

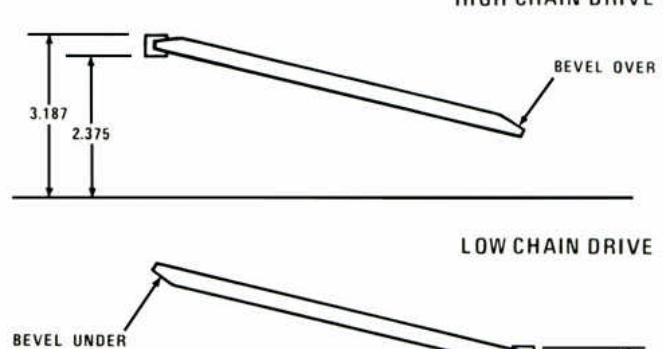
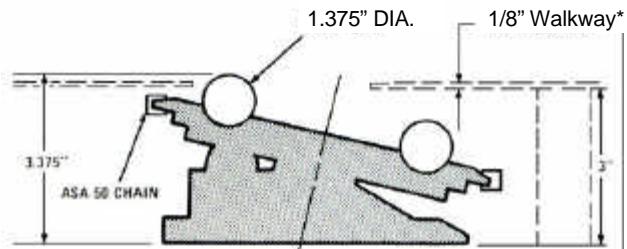
reversibility of the bolt-on sprocket. The unit at the left has a top-beveled rim to accommodate the chain in the high position. In the other assembly the sprocket is mounted with the bevel underneath to accommodate a low chain drive.

The combination of x and y powered capability coupled with low friction idling of the peripheral rollers enables Transdisc® systems to move heavy loads in any direction. Control can be by remote pushbutton, or photoswitches, or by local limit switches. Movement can be in straight lines, diagonal, curvilinear paths, or even rotation at one spot. No raising and lowering devices are required for change in direction. Path changes are achieved by on-off control of the x and y drives. Diagonal movement results when both drives operate simultaneously. Curvilinear paths are achieved by varying the relative speeds of the x and y drives.

DIMENSIONS AND SPECIFICATIONS



MODEL FX-203 POWER TRANSDISC®

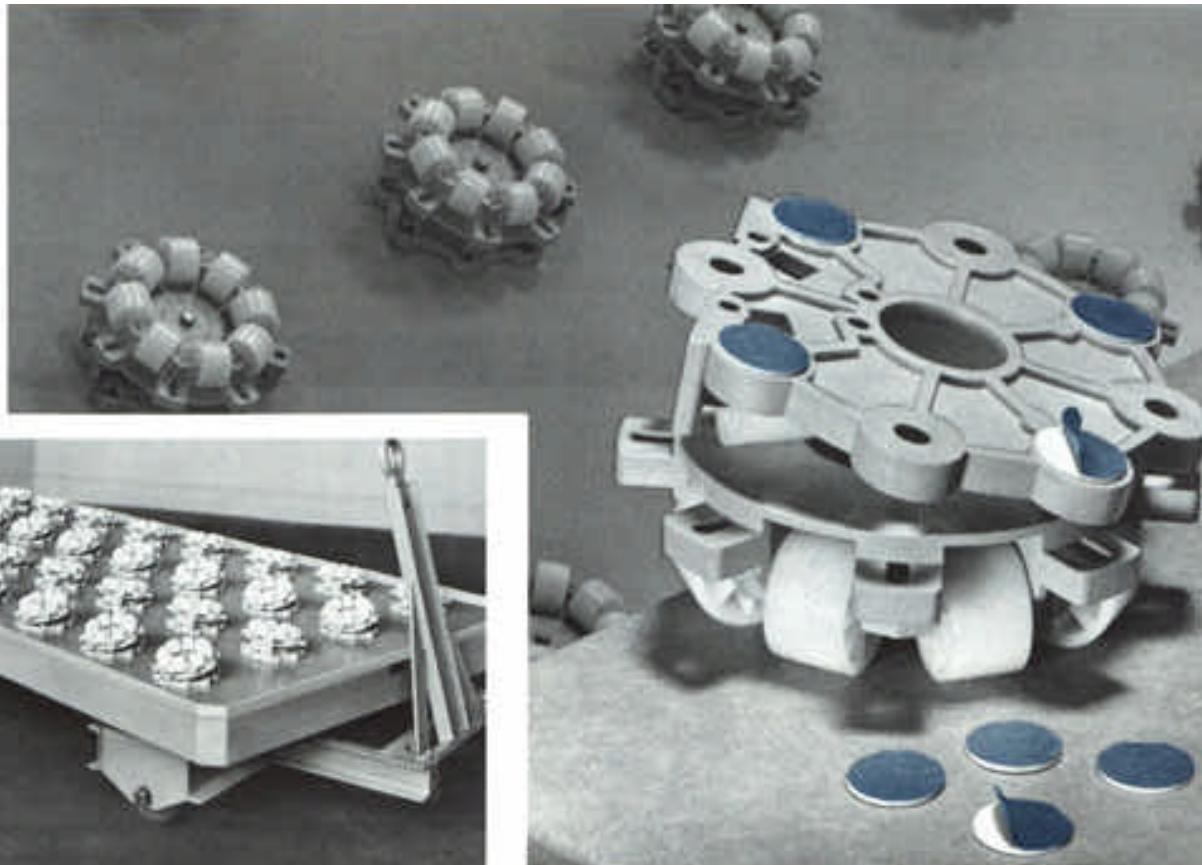


Sprocket mounting is reversible to accommodate either a high or low chain drive. Normally shipped with sprockets mounted for low drive.



Remote Controlled x, y and Rotary Movement of heavy loads in a powered Transdisc® system with a cover plate.

The powered Transdisc® system illustrated utilizes limit switches to automatically sequence a flat bottomed 2000lb. load through a series of x and y paths, a diagonal path and a 90° rotation. Two gearmotors provide the drives for the entire system. Normally, one chain drives all x direction units. The 1/8" thick metal cover provides safety, cleanliness and appearance. It is removable in sections to provide access to the chains, take-ups and motors.



Trailer Courtesy
Hamilton Caster &
MFG. Co.



Instantmount, FX-210 is furnished in kits of 8 per envelops.

Instantmounts provide a rapid means for installing idler Transdiscs. They are discs with adhesive on both sides to adhere to both the Transdisc® and the support surface. The cellular structure of the disc provides resilience to conform to rough or uneven surfaces. Four Instantmounts

per Transdisc® are usually ample for most surfaces. Instantmounts also provide opportunity for testing various Transdisc® arrangements without the need for layout drawings. An adhered Transdisc® can be removed for relocation by prying it up with a pinch bar.