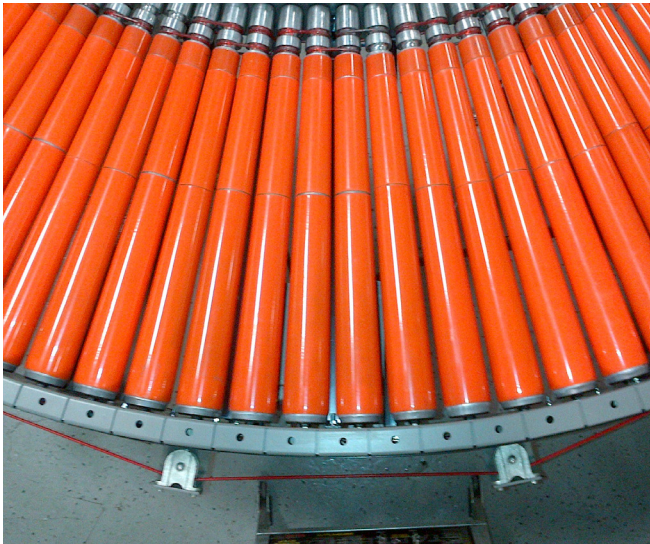


## CUT SHEET

# IntelliROL<sup>®</sup> High Density Roller Curve



## ITR High Speed Transportation Curves



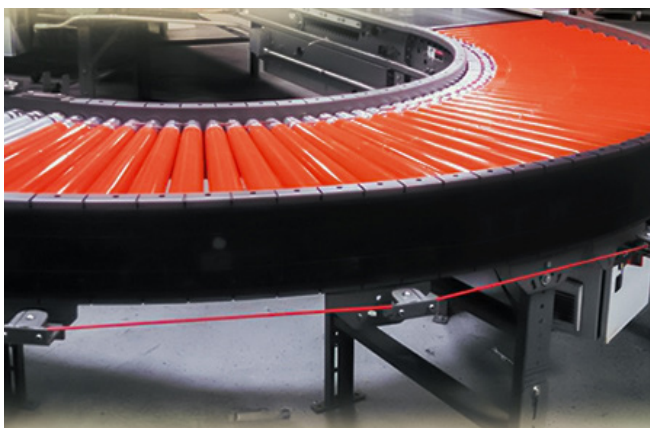
**INTELLIROL 30 ROLLERS, 90 DEGREE, MOTOR DRIVEN ROLLER (MDR) CURVE, SUCCESSFULLY HANDLES POLY-BAGS AND IS ABOUT HALF THE PRICE OF A BELT CURVE!**

E-Commerce, e-Distribution and Direct to Consumer, all terms we hear every day, but the small orders, shipped in small poly-bags are a growing problem for traditional conveyor/material handling systems.

MHS Conveyor has taken a lead role within the industry, with the development of solutions for handling poly-bag packaged products. Our IntelliROL belted MDR (Motor Driven Roller) are proving to be a perfect fit. The challenge has always been handling poly-bags in the curves.

Until now, the standard solution has been to purchase belted curves. The high costs of these belted curves with a good ROI, has caused many projects to slip into the pile of projects, or were not implemented because of cost.

MHS Conveyor has developed a product that is both simple and better value... 30 rollers MDR style, 90 degree curve with tapered rollers. It has very tight roller centers and sleeved rollers.



## STANDARD SPECIFICATIONS

### Sweep Angles

Curves are available in 90, 60, 45 and 30 degrees (**30 degree in high density only**)

### Inside Radius

36" to web of inside channel

### Roller Groups / MDR Quantity

Standard roller spacing (4) on 90 degree, (3) on 60 degree, (2) on 45 degree High Density roller spacing, (6) on 90 degree, (4) on 60 degree, (3) on 45 degree, (2) on 30 degree

### Curve Widths

Curves are available in 16", 22", 28", and 34" BF

**Drive Rollers:** ITOH FE-140 with a maximum of 30 Start/Stop cycles per minute. MDRs are mounted below the carrying rollers. One drive roller and driver card per roller group.

**Tapered Idler Rollers:** 1-5/8" O.D. on small end; large end varies by BF dimension, ABEC-1 precision bearing; 7/16" hex spring loaded steel axle in zinc plated true tapered roller shell. Rollers installed at factory in curves of all widths and degrees. Rollers held high in the C6 frame.

### Rollers per curve:

90 degree (19 rollers), 60 degree (13 rollers) and 45 degree (9 rollers)

### Optional High Density Rollers per curve:

90 degree (30 rollers), 60 degree (20 rollers), 45 degree (15 rollers) and 30 degree (10)

### Drive and Slave Belts:

High drive, 0.21" diameter urethane.

**Maximum Product Loading:** 50 lbs. /ft. or 75 lbs. per product. Use Curve Clearance Calculation link to determine maximum package length and width.

### Orientation:

Right hand and left hand flow are standard

### Accessories

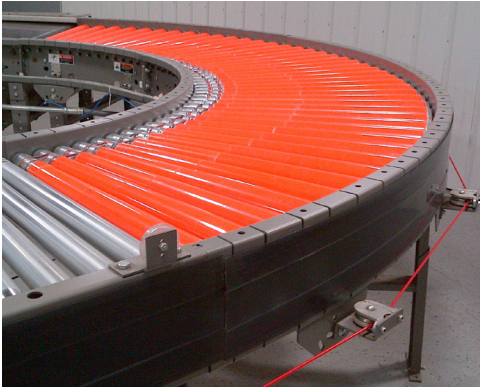
- Channel shrouding
- 7-1/2" CRUZchannel (rollers low) has 12 ga. formed steel side channels 7-1/2" deep x 1-5/8" flanges bolted-in cross members, and welded bed connectors.
- Roller Coating

### Paint

Components located within the framework are painted black. All other components are painted job color. All MHS Conveyor paint is powder coated.

## CUT SHEET

# IntelliROL® High Density Roller Curve



IntelliROL High Density Roller Curve with optional coated rollers

Features	Benefits
Main conveyor drives divert wheels on NBS 30	Minimum power consumption and operating cos, best-value capital investment
Product is conveyed along entire length of belt	Quiet operation, increased accuracy of diverts
Simple design	Ease of maintenance
Individual belt take-ups	Smooth product flow, long belt life
Modularity of divert mechanism	Quick, easy reconfiguration of system
Pick up product "on-the-fly" on NBS 90	Maximize sort rate
2 Sided sorting for both 30° and 90° units	
Optional, pre-aligner	
3-row, 5-row, and 7-row options	

## ABOUT MHS CONVEYOR

MHS Conveyor is a leading worldwide supplier of dynamic, high-quality automated conveyor and sortation technologies used to transport a wide variety of products. MHS Conveyor manufactures high-quality equipment, sold through a partner network of factory-authorized distributors as part of complete, integrated logistics solutions engineered to meet the needs of each customer.

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