

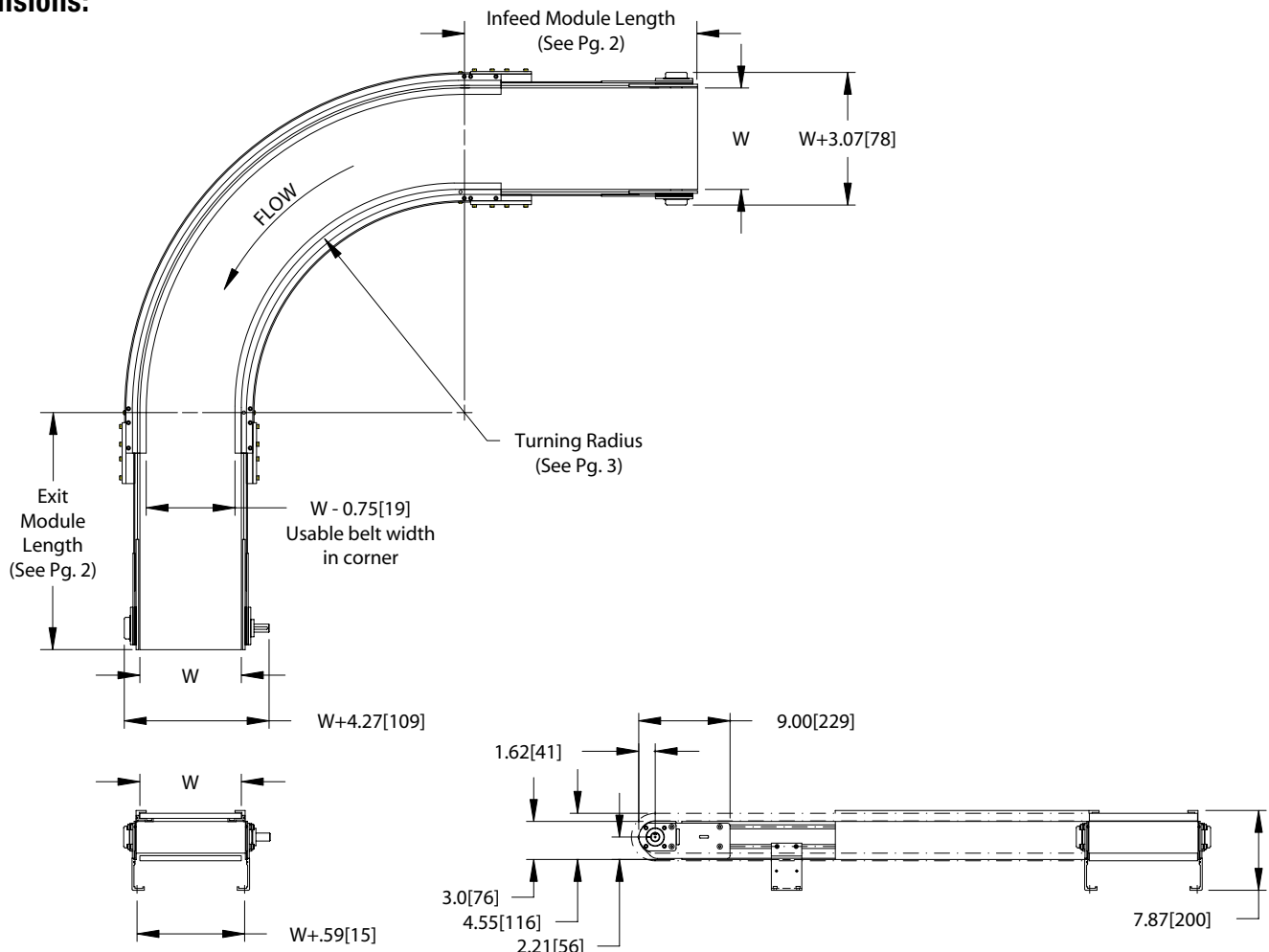
975 Cottonwood Ave., PO Box 20, Hartland, Wisconsin 53029-0020, USA

### 3200 Series Plastic Belt Curve Specifications:

- Aluminum extruded frame with T-slot construction
- UHMW bed thru curve module
- Sealed Ball Bearings
- UHMW Side Rails and Hold Down for belt tracking
- Rack and pinion belt tension for quick adjustment
- 1" pitch belt reduces chordal action
- Curves in 15° increments from 15° to 180°
- Incline and Decline sections available
- Conveyor Widths: 4" to 24"
- Conveyor Lengths: Total conveyor length to 75'  
(See Lengths and Configurations for details)
- 3.9" pitch diameter drive pulley  
turns approximately 12.2" of belt per revolution
- Load Capacity: Consult factory for details
- Belt speeds to 150 ft/min

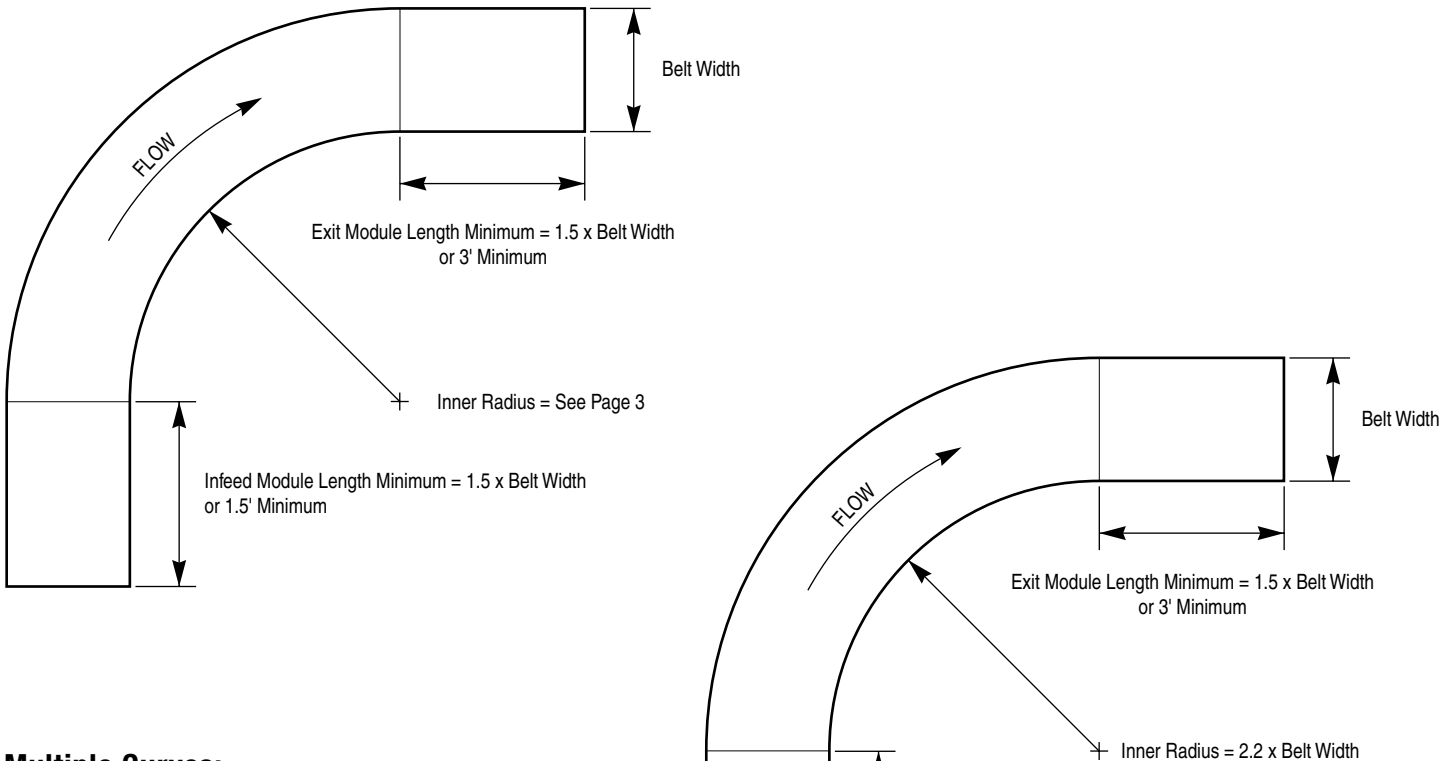


### Dimensions:



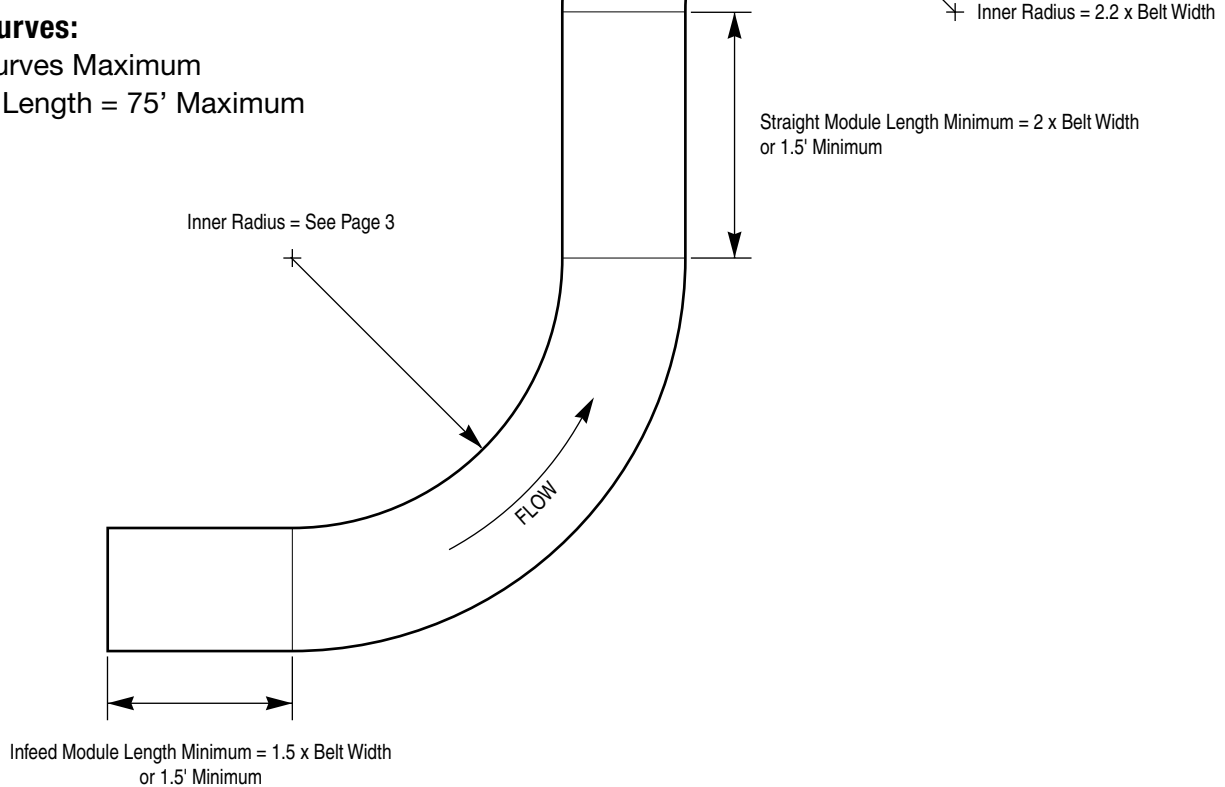
**Lengths and Configurations**

**Single Curve:**



**Multiple Curves:**

- (4) Curves Maximum
- Total Length = 75' Maximum



## Belt Type:

### 1. Tight Turning Radius Belt

- Pitch: 1.0"
- Material: Acetal w/ Nylon Rods
- Open Area: 35%
- Temp Range:
  - Minimum Part Temperature = -40° F
  - Maximum Part Temperature = 215° F
- Maximum Incline/Decline: 7
- Color: White
- FDA Approved: Yes
- Manufacture: Habasit

Conveyor Width	Belt Radius
08	11.1 (281)
10	14.0 (357)
12	17.3 (440)
14	20.6 (524)
16	23.9 (607)
18	27.2 (692)
20	30.5 (774)
22	33.7 (857)
24	37.0 (941)

### 2. General Purpose Belt

- Pitch: 1.0"
- Material: Acetal w/ Nylon Rods
- Open Area: 35%
- Temp Range:
  - Minimum Part Temperature = -40° F
  - Maximum Part Temperature = 215° F
- Maximum Incline/Decline: 7
- Color: White
- FDA Approved: Yes
- Manufacture: Habasit

Conveyor Width	Belt Radius
04	8.1 (206)
06	12.2 (309)
08	16.2 (412)
10	20.7 (526)
12	25.2 (640)
18	30.0 (761)
20	43.2 (1097)
22	47.7 (1213)
24	52.3 (1329)

### 3. Incline Belt

- Pitch: 1.0
- Material:
  - Base Belt: Polypropolene with Acetal Rods
  - Friction Insert: Rubber
- Open Area: 35%
- Temp Range:
  - Minimum Part Temperature = 40° F
  - Maximum Part Temperature = 140° F
- Maximum Incline/Decline: 20
- Color: White
- FDA Approved: Yes
- Manufacture: Habasit

Conveyor Width	Belt Radius
04	8.1 (206)
06	12.2 (309)
08	16.2 (412)
10	20.7 (526)
12	25.2 (640)
18	30.0 (761)
20	43.2 (1097)
22	47.7 (1213)
24	52.3 (1329)

## **Gearmotor Mounting Packages:**

- All Standard Load 3200 Series Gearmotor Mounting Packages are applicable  
Note: Standard 3200 Belt Speed Charts do not apply. See speed charts on page 5
- See Full Specifications manual pages 101-103 for details

## **Gearmotors:**

- All Standard Load 3200 Series Gearmotors are applicable  
Note: Standard 3200 Belt Speed Charts do not apply (See Belt Speed Charts on page 5)
- See Full Specifications manual pages 06-111 & 114-116 for details

## **Belt Speeds:**

- See Belt Speed Charts on page 5

## **Load Capacity:**

- The 3200 Series MPB Curve Conveyor load capacity is dependent upon belt speeds, conveyor length and width, and configuration. Consult factory for load capacity per application.

## **Support Stands:**

- Compatible with all standard support stands
- See Full Specifications manual pages 118-120 for details

# 3200 Series Modular Plastic Belt Curve Conveyor Special Capabilities Specification Sheet

## Fixed Speed 90° Gearmotors

See Chart 6 on Catalog Page 109

Belt Speed		Gearmotor RPM	Mounting Package			Pulley Kit	
Ft/min	M/min		Side	Bottom	Top	Drive	Driven
29	8.9	29	X	X	X	14	14
33	10.1	29		X	X	18	16
37	11.2	29		X	X	20	16
40	12.3	29		X	X	22	16
44	13.4	43	X	X	X	14	14
46	14.1	29		X	X	22	14
50	15.1	43		X	X	18	16
55	16.8	43		X	X	20	16
61	18.4	43		X	X	22	16
66	20.1	43		X	X	24	16
75	23.0	43		X	X	24	14
88	26.8	86	X	X	X	14	14
99	30.2	86		X	X	18	16
110	33.5	86		X	X	20	16
113	34.5	86		X	X	18	14
121	36.9	86		X	X	22	16
126	38.3	86		X	X	20	14
132	40.3	86		X	X	24	16
138	42.2	86		X	X	22	14
151	46.0	86		X	X	24	14

## Variable Speed 90° Gearmotors

See Chart 9, 10 and 14 on Catalog Page 110

Belt Speed		Gearmotor RPM	Mounting Package			Pulley Kit	
Ft/min	M/min		Side	Bottom	Top	Drive	Driven
2.9 - 29.3	0.9 - 8.9	29	X	X	X	14	14
3.8 - 37.7	1.2 - 11.5	29		X	X	18	14
5.1 - 42.5	1.6 - 13.0	42	X	X	X	14	14
4.4 - 44.0	1.3 - 13.4	43	X	X	X	14	14
6.4 - 53.2	1.9 - 16.2	42		X	X	20	16
5.5 - 55.0	1.7 - 16.8	43		X	X	20	16
7.3 - 60.7	2.2 - 18.5	42		X	X	20	14
7.7 - 63.8	2.3 - 19.4	63	X	X	X	14	14
6.6 - 66.0	2.0 - 20.1	43		X	X	24	16
9.8 - 82.0	3.0 - 25.0	63		X	X	18	14
8.8 - 88.0	2.7 - 26.8	86	X	X	X	14	14
12.0 - 100.2	3.7 - 30.6	63		X	X	22	14
11.0 - 110.0	3.4 - 33.5	86		X	X	20	16
15.3 - 127.6	4.7 - 38.9	125	X	X	X	14	14
13.2 - 132.0	4.0 - 40.3	86		X	X	24	16
17.2 - 143.5	5.3 - 43.8	125		X	X	18	16
15.1 - 150.9	4.6 - 46.0	86		X	X	24	14

## Fixed Speed Parallel Shaft Gearmotors

See Chart 7 on Catalog Page 109

Belt Speed		Gearmotor RPM	Mounting Package			Pulley Kit	
Ft/min	M/min		Side	Bottom	Top	Drive	Driven
10	3.0	10	X	X	X	14	14
13	4.1	10		X	X	22	16
15	4.5	10		X	X	24	16
17	5.1	10		X	X	24	14
29	8.9	29	X	X	X	14	14
37	11.2	29		X	X	20	16
40	12.3	29		X	X	22	16
44	13.4	29		X	X	24	16
50	15.3	29		X	X	24	14
59	17.9	58	X	X	X	14	14
75	23.0	58		X	X	18	14
81	24.6	58		X	X	22	16
84	25.6	58		X	X	20	14
88	26.8	86	X	X	X	14	14
92	28.1	58		X	X	22	14
99	30.2	86		X	X	18	16
101	30.7	58		X	X	24	14
110	33.5	86		X	X	20	16
121	36.9	86		X	X	22	16
126	38.3	86		X	X	20	14
132	40.3	86		X	X	24	16
138	42.2	86		X	X	22	14
151	46.0	86		X	X	24	14

## Variable Speed Parallel Shaft Gearmotors

See Chart 12 and 13 on Catalog Page 111

Belt Speed		Gearmotor RPM	Mounting Package			Pulley Kit	
Ft/min	M/min		Side	Bottom	Top	Drive	Driven
1.6 - 9.8	0.5 - 3.0	10	X	X	X	14	14
2.3 - 14.0	0.7 - 4.3	10		X	X	20	14
1.7 - 14.2	0.5 - 4.3	14	X	X	X	14	14
2.8 - 16.8	0.9 - 5.1	10		X	X	24	14
2.6 - 21.3	0.8 - 6.5	14		X	X	24	16
4.9 - 29.3	1.5 - 8.9	29	X	X	X	14	14
6.1 - 36.7	1.9 - 11.2	29		X	X	20	16
5.1 - 42.5	1.6 - 13.0	42	X	X	X	14	14
7.3 - 44.0	2.2 - 13.4	29		X	X	24	16
8.4 - 50.3	2.6 - 15.3	29		X	X	24	14
7.0 - 58.5	2.1 - 17.8	42		X	X	22	16
9.8 - 58.7	3.0 - 17.9	58	X	X	X	14	14
8.0 - 66.8	2.4 - 20.4	42		X	X	22	14
12.2 - 73.3	3.7 - 22.4	58		X	X	20	16
10.2 - 85.0	3.1 - 25.9	83	X	X	X	14	14
14.7 - 88.0	4.5 - 26.8	86	X	X	X	14	14
16.8 - 100.6	5.1 - 30.7	58		X	X	24	14
12.8 - 106.3	3.9 - 32.4	83		X	X	20	16
20.2 - 121.0	6.2 - 36.9	86		X	X	22	16
15.3 - 127.6	4.7 - 38.9	125	X	X	X	16	16
16.0 - 133.6	4.9 - 40.7	83		X	X	22	14
23.1 - 138.3	7.0 - 42.2	86		X	X	22	14
17.5 - 145.8	5.3 - 44.4	83		X	X	24	14
25.2 - 150.9	7.7 - 46.0	86		X	X	24	14

# 3200 Series Modular Plastic Belt Curve Conveyor      Special Capabilities Specification Sheet

## EXPRESS INQUIRY FORM : GENERAL INFORMATION

Please complete the Express Inquiry form below to the best of your ability.  
Contact Technical Sales at 1-800-259-1510 (Press 3) or TechnicalSales@dorner.com for Application Assistance.

<b>CONTACT INFORMATION</b>		
Company _____	Date _____	
Name _____		
Phone _____	Fax _____	E-Mail _____
Address _____		
_____		

<b>PRODUCT</b>
Description/material: _____
Dimensions: _____
Weight: _____ Total weight to be placed on conveyor: _____
Temperature: _____
How is the part being introduced onto conveyor? _____
Is product being accumulated? <input type="checkbox"/> No <input type="checkbox"/> Yes
Where does the part go upon discharging from the conveyor? _____

<b>PRODUCT SAMPLES:</b>
Samples of actual products can be critical to the successful design and application of any conveyor.
Will sample products be provided to Dorner? <input type="checkbox"/> No <input type="checkbox"/> Yes

<b>ENVIRONMENT</b>
Chemicals or fluids present: _____
Unusual ambient temperature conditions: _____
Other concerns: _____

<b>CONVEYOR</b>
Curve Angle: <input type="checkbox"/> 45° <input type="checkbox"/> 90°    Other: _____
Belt Type: _____    Infeed module length: _____
Belt Width: _____    Exit Module length: _____
Belt speed: _____ <input type="checkbox"/> Fixed <input type="checkbox"/> Variable
Infeed height: _____    Discharge height: _____
Motor Position: _____

<b>ELECTRICAL</b>
Voltage: _____    Phase: _____
Hz: _____    For variable speed: <input type="checkbox"/> DC <input type="checkbox"/> AC
Controls required: _____

*Page may need to be copied to communicate multiple conveyors*

**FAX COMPLETED FORMS TO 800.369.2440 or 262.367.5827**