Ashworth Bros., Inc.
450 Armour Dale, Winchester, VA 22601
Phone: 540-662-3494 or 800-682-4594 Fax: 540-662-3150 or 800-532-1730 www.ashworth.com

Ashworth Inquiry No.: _____

TURN CURVE & LOTENSION SPIRAL APPLICATIONS

Company: _____ Date: _____
Address: _____
City: _____ State: _____ Zip: _____
Contact Name: _____ Title: _____
Phone: _____ Fax: _____
Email: _____
End User & Location: _____

☐ **Price Quote Only** (complete section 1 only)
☐ **Recommendation** (complete all four sections)

1. BELT TYPE (check one)

☐ OMNIFLEX® E1 (1x1)
☐ OMNIFLEX® E2 (½x1)
☐ OMNIFLEX® E3 (1/3x1)
☐ MEGAFLEX 125™ E4 (1x1¼)
☐ SMALL RAD. OMNIFLEX® G1 (1x1, 1x1½)
☐ SMALL RAD. OMNIFLEX® G3 (½x1, ½x1½)
☐ 3/4 IN. OMNIPRO® OP075
☐ 1 IN. OMNIPRO® OP100
☐ 1 IN. REDUCED RAD. OMNIPRO® 100 RROP100
☐ 1.2 IN. OMNIPRO® OP120
☐ 1.5 IN. OMNIPRO® OP150
☐ 1.5 IN. OMNIPRO® FLEX-LITE OP150FL

☐ *Recommend*
☐ 3/4 IN. PITCH OMNI-GRID®
☐ 3/4 IN. PITCH SMALL RADIUS OMNI-GRID®
☐ 1 IN. PITCH OMNI-GRID®
☐ 1 IN. PITCH REDUCED RADIUS OMNI-GRID®
☐ 1 IN. PITCH SMALL RADIUS OMNI-GRID®
☐ 1 IN. PITCH SUPER SMALL RADIUS OMNI-GRID®
☐ 1 IN PITCH SPACESAVER OMNI-GRID®
☐ 3/4 IN. PITCH ADVANTAGE® RL 75
☐ 1.2 IN. PITCH ADVANTAGE® 120
☐ 2.0 IN. PITCH ADVANTAGE® 200
☐

OMNIPRO® and OMNI-GRID® belts are available with mesh, Omni-Tough® and Omni-Lite® (1" pitch only) overlays. If you need an overlay please indicate the mesh designation or indicate the approximate mesh opening needed: _____

Belt Width: _____ in. or _____ mm **Approx. Belt Length:** _____ **Material:** _____

Special Features Needed (Guard Edges, lifts, etc.): _____

2. APPLICATION

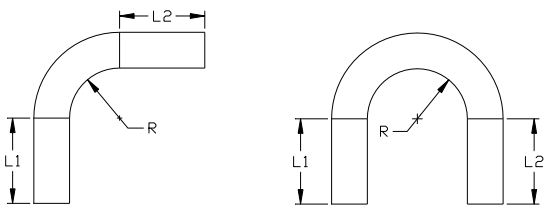
Specify units of measure.

Product: _____ **Process:** _____
Maximum load: _____ lb./lin. ft. _____ kg./lin. M. Max. Temperature: _____ Min. Temp.: _____
-or-
Production rate: _____ lbs./hr _____ kg./hr Belt speed: ☐ Constant ☐ Variable

Min. Size: _____ Min./Max. Speed: _____ Operating Speed: _____
Shape: _____ Corrosives or Other Conditions: _____
Projection: _____ _____

3A. TURN CURVE CONVEYOR

Specify units of measure. Use Section 3B for Spiral Systems.



If other, describe or sketch layout or attach drawing.

In feed length (L1): _____ Degree of turn: _____ Inside Radius (R): _____ Out feed length (L2): _____

Note incline or decline of straight runs if applicable. Recommended minimum straight: 1½ x Belt Width (¾ x BW for Small Radius)

Does the belt turn ☐ to the right (clockwise) ☐ to the left (counter clockwise)

Belt Support Materials: Load Side: _____ Return Side: _____ Inside Rail of turn(s): _____

Drive location: _____ Take-Up (type, location): _____ Sprocket size preferred: _____

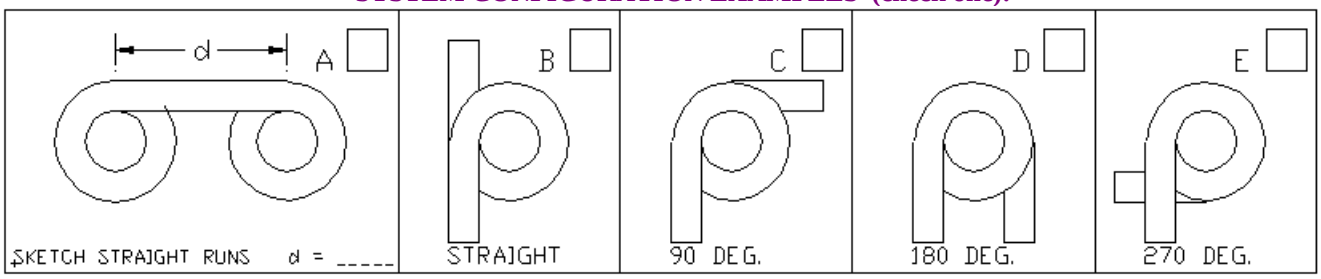
Remarks:

_____

3B. LOTENSION SPIRAL SYSTEM

Specify units of measure. Use Section 3A for Turn Curve applications.

SYSTEM CONFIGURATION EXAMPLES (check one):



➢ For Example A

First cage is: ☐ Up ☐ Down

☐ Straight-through ☐ 90° ☐ 180° ☐ 270° ☐ Other (specify):

If the system is other than straight-through, **return is**: ☐ A fixed turn ☐ A free turning wheel ☐ Return on cage

Does the belt on the first cage turn ☐ to the right (clockwise) ☐ to the left (counter clockwise)

Second cage is: ☐ Up ☐ Down

☐ Straight-through ☐ 90° ☐ 180° ☐ 270° ☐ Other (specify):°

If the system is other than straight-through, **return is**: ☐ A fixed turn ☐ A free turning wheel ☐ Return on cage

Does the belt on the second cage turn ☐ to the right (clockwise) ☐ to the left (counter clockwise)

Cage diameter: _____ **Cage Material:** ☐UHMW ☐ Steel Drum ☐ Other (specify): _____

Number of tiers on cage (include fractional amount, if applicable)**:** _____ **Tier height or spacing:** _____

Is there a helper drive between cages? ☐ Yes ☐ No **Distance C-C between cages: d =** _____

Describe helper drive (if used) – style, length: _____

➢ For Examples ☐ B ☐ C ☐ D ☐ E

Cage is ☐ Up ☐ Down

Cage diameter? _____ **Cage Material:** ☐ UHMW ☐ Steel Drum ☐ Other (specify): _____

Number of tiers on cage (include fractional amount for C, D, & E)**:** _____ **Tier height or spacing:** _____

If the system is other than straight-through (i.e., example B) is the **return**:

☐ A fixed turn ☐ A free turning wheel ☐ Returning on the cage ☐ Recommend

➢ **For all spiral systems** *(Specify units of measure)***:**

Length of In feed
(center of cage to terminal roll)**:** _____

Length of Out feed/Discharge
(center of cage to terminal roll) **:** _____

Does the belt on the cage turn ☐ to the right (clockwise) ☐ to the left (counter clockwise)

Belt supports: Wear strip material: _____ How many rails? _____

Is take-up located directly following the drive? ☐ No ☐ Yes If no, state location: _____
NOTE: The take-up should be capable of taking up 1% of the belt length without adding excess tension

Will product have difficulty releasing from the belt? ☐ No ☐ Yes Will a scraper or breaker bar be used? ☐ No ☐ Yes

Required Dwell time: _____ Operating hours/day: _____ Operating days/week: _____
Preferred Drive Sprocket Diameter: _____ Is a belt lubricator used? ☐ No ☐ Yes

4. CLEANING & SANITATION

How often is belt cleaned? _____ CIP ☐ Hand cleaned ☐
How are support rails cleaned? _____ Are outside rails ragged with lubrication: ☐ No ☐ Yes

Type of lubrication used on rails: _____
How often drive drum or sprockets inspected: _____

Is inside rail on turn or cage cleaned when the belt is cleaned? ☐ No ☐ Yes
Cleaning chemicals used: _____ Sanitizers used: _____
Cleaning water temperature (if applicable): _____

Remarks: