» AS40 End Drive Conveyors
» AS65 Center Drive Conveyors
» AS40Z Angled Frame Conveyors
Tension Release Tail™

Our Tension Release technology operates at the push of a button to relieve tension on the belt. Cleaning under the belt is quick and easy, with no tension or tracking adjustments required. **Belt removal is simple and tool-less.**

Easy, Accessible Tracking

Tracks easily with set screws in the tail that maintain tracking through multiple tension release cycles.

Tee Slot

Industry-standard tee slots allow for easy mounting of third-party accessories like sensors, cameras or lights.

Rigid Aluminum Frame

- Single piece extruded aluminum frame for conveyors up to 12" wide
- Strong multi-piece aluminum and steel frame for conveyors over 12" wide
- Frames designed to reduce both lateral and longitudinal deflections
- Built in **Tee Slots** for easy stand and accessory mounting with drop in nuts

High Speeds

- Speeds up to 400 FPM make AS40 and AS65 Conveyors ideally suited for high-speed automation and assembly lines
QC Industries’ Automation Series Conveyors are the ultimate user-friendly conveyor. High tech features like Tension Release™ tool-less belt changes and a movable center drive were designed to make your job easier.

**Drive Pulley**
- Straight knurl design prevents premature belt wear
- Crowned pulley ensures proper belt tracking
- 40mm diameter pulley

**Optional V-Guide Belts**
- All conveyors support V-Guide belting with no additional parts
- Ideal for side loading applications where belt tracking might otherwise be difficult to maintain
- Non V-Guide belts are standard for other applications

**Built-to-last Bearings**
- Sealed, 35 mm, double row ball bearings handle high speeds, indexing, and provide extended bearing life

ONLINE CONFIGURATION & QUOTING    QCCONFIG.COM
**AS40: End Drive**

End Drive conveyors are ideal for almost any application with a wide variety of drive packages available. They offer high power at a great value.

---

**Pivot™ Rotatable Drives**

Pivot™ rotatable drives give you the flexibility to move the drive out of the way as your application requirements change while the conveyor is installed. Simply loosen two screws and rotate the drive to the desired position to clear machine obstacles or product on the belt. When positioned below the conveyor, the belt is the highest point.

---

**Specifications**

- **Widths:** 2", 3", 4", 5", 6", 8", 10", 12", 18", 21", 24"
- **Lengths:** Up to 20'
- **Loads:** up to 120 lbs.
- **Speeds:** up to 400 FPM
- **Profile:** 1.95" High
- **Assembled with all metric fasteners**

---

**Corrugated Sidewall**

- Corrugated sidewalls are optional to keep small parts on the conveyor and can be used with cleats to create a bounded pocket

**Cleated Belts**

- Cleated belts available for positive part movement in incline and decline applications

*See page 9 for details*

---

**Load Carrying Capacity: AS40 Conveyors**

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<thead>
<tr>
<th>Width</th>
<th>2&quot;</th>
<th>3&quot;</th>
<th>4&quot;</th>
<th>5&quot;</th>
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<td>120</td>
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</tbody>
</table>

*Note: Load carrying capacity is halved for end drive pushing applications. Accumulation and degree of incline can affect capacity; length does not.*
AS65: Center Drive

Center Drive conveyors are ideal for applications where both ends must be clear. Return idlers are easily removed for rapid belt changes without removing the drive.

Movable Center Drive
Center Drive can be placed at any point along the length of the conveyor – simply loosen a few screws, slide to new location and re-tighten

Specifications
» Lengths Up to 26' 
» Loads: up to 120 lbs.
» Speeds: up to 400 FPM
» Profile: 1.95" High
» Assembled with all metric fasteners

Load Carrying Capacity: AS65 Conveyors

<table>
<thead>
<tr>
<th>Width</th>
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Note: Accumulation and degree of incline can affect capacity; length does not.
Three configurations make AS40Z Conveyors ideal for any elevating or lowering application. They feature a rigid aluminum or aluminum/steel frame, just like our AS40 and AS65 conveyors.

Specifications
- Widths: 8", 10", 12", 18", 21", 24"
- Lengths: up to 20'
- Loads: up to 120 lbs
- Speeds: up to 200 FPM
- Frame Profile: 1.95"
- Standard Angles: 30°, 45°, 60°

Corrugated Sidewall Belt
- Corrugated sidewall belts are available for containing small parts

Tension Release Tail™
- Tension Release tails flip up at the push of a button for easy belt changes and under-belt cleaning
Built-to-last Bearings

» Sealed, 35 mm, double row ball bearings handle high speeds, and provide extended bearing life.

Z-Track™ Design

» Z-Track design gives you control over belt tracking, even through belt changes.

Load Carrying Capacity: AS40Z Conveyors

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<tr>
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Note: Load carrying capacity is halved for pushing applications.
Configure and quote conveyors 24 hours a day using our online Conveyor Configurator. An intelligent assistant uses engineer-developed rules to make sure all your components — including drives, stands, and sides/guides — work together properly.

- Manage multiple conveyors in a single quote using separate bills of materials
- Our algorithms identify errors and offer options for making corrections
- Register your conveyor to qualify for our 10 Year Warranty
- Access appropriate manuals and videos by serial number to make maintenance easy
- View past orders and quote replacement parts directly from the original bills of materials, complete with exploded views to help you find exactly the right part

Get started today at qcconfig.com!

Download 3D CAD Models

Once you’ve designed a conveyor with the Conveyor Configurator, you can download all the 3D CAD models, exploded views and specifications in one package to make integration with your application easy. We’ve included sides/guides, drives, stands and automation accessories, so it’s easy to drop the complete conveyor system directly into your application.
## Belt Choices

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<th>Multi-Purpose</th>
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<th>V-Guide Ordering Code</th>
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<th>Topside Coefficient of Friction</th>
<th>Short Term Part Max Temp. (°F)</th>
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<th>Average Belt Thickness (inches)</th>
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<th>Topside Coefficient of Friction</th>
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<td>176</td>
<td>176</td>
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</table>

## Cleated Belts

Cleats are high frequency welded to the MAE standard urethane belt. For V-Guided belts, replace the “A” in the ordering code with a “V.”

Cleated belts (except Corrugated Sidewall) are intended for use with Adjustable Guides (see Page 12). Cleat tolerance may vary, please contact the factory if cleat accuracy is critical.

This list represents only a sample of the belts available. Data is subject to change. Please see qconfig.com for a full listing and latest specifications.

* Belt not available for use with AS65 Center Drive Conveyors

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### Belt Choices

<table>
<thead>
<tr>
<th>Ordering Code</th>
<th>V-Guide Ordering Code</th>
<th>Surface Description</th>
<th>Surface Material</th>
<th>FDA</th>
<th>Anti-Static</th>
<th>Topside Coefficient of Friction</th>
<th>Short Term Part Max Temp. (°F)</th>
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<th>Average Belt Thickness (inches)</th>
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### Belt Choices

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<th>Size</th>
<th>20mm</th>
<th>30mm</th>
<th>40mm</th>
<th>60mm</th>
<th>20mm cleats w/ corrugated sides</th>
<th>20mm corrugated sides</th>
</tr>
</thead>
</table>
Standard Duty Drive Packages

Pivot™ Rotatable Drive
Part # Prefix AS40RD
Easily rotates to different positions for maximum flexibility. Drive can be mounted on either side of conveyor.
Speed Range: 5 – 400 FPM

Inline Side Drive
Part # Prefix AS40SD–A
Allows drive to be mounted on either side of the conveyor, parallel to the drive pulley.
Speed Range: 5 – 260 FPM

AS65 Center Drive
Part # Prefix AS65CD
Sits below the conveyor and can be positioned anywhere along the conveyor frame.
Speed Range: 5 – 460 FPM

Heavy Duty Drive Packages

Right Angle Side Drive
Part # Prefix AS40HD–S (Heavy Duty)
Allows Heavy Duty Drive to be positioned parallel to conveyor frame to fit tight space constraints. For use with 56C face Gearmotors.
Speed Range: 5–110 FPM

Top/Bottom Drive
Part # Prefix AS40HD–B (Bottom Drive)
Part # Prefix AS40HD–T (Top Drive)
Allows Heavy Duty Drives to be mounted either above or below the conveyor. For use with 56C face Gearmotors.
Speed Range: 5–220 FPM

Drive Location Charts

For AS40 Conveyors, right and left are defined when the conveyor is viewed from the drive pulley end. For AS65 Conveyors, they are defined from the discharge end.

Belt direction is noted in the conveyor part number by the choice of Infeed and Discharge Pulleys.
# AC Gearmotors and Controls

### Standard Duty AC Gearmotor

- Available in the following sizes:
  - 40 Watt
  - 60 Watt
  - 90 Watt
  - 200 Watt

- Available for the following power sources:
  - 115v Single Phase
  - 230v Single Phase
  - 230v Three Phase

Fixed speed is standard. Variable speeds available with the Standard AC Control (shown right) or integrated controller (40 Watt only; shown above right).

### AC Control

**Specifications/Features:**
- 10:1 speed range (with ID motor)
- UL/ULc/CE IP 20 Enclosure
- 3-digit LED display
- Fwd/Rev, Run/Stop, Accel/Decel
- Quiet operation
- Requires Three Phase Motor

### Heavy Duty AC Gearmotor

- Vent free Gearbox design eliminates leaking oil in any orientation.

- Available in the following sizes:
  - 1/3 HP
  - 1/2 HP

- Available for the following power sources:
  - 115v/230v AC Single Phase
  - 230v/460v AC Three Phase
  - 230v/460v AC Three Phase Inverter Duty

# DC Gearmotors and Controls

### Brushless DC Gearmotor

- Available in the following sizes:
  - 120 Watt
  - 200 Watt
  - 400 Watt

- Available for the following power sources:
  - 115v Single Phase
  - 230v Single Phase
  - 230v Three Phase

Includes a 3m (10ft) cable and the Standard DC Control shown at right.

**Note:** 400 Watt Gearmotor is only available in 230v Three Phase.

### Standard Duty DC Control

This controller is included with all Standard Duty DC Gearmotors.

**Specifications/Features:**
- AC Inputs: 115v Single Phase, 230v Single Phase, 230v Three Phase
- 50:1 speed range
- UL/ULc/CE
- IP20 Protection Rating
- Eight programmable speed settings
- Speeds can be taught while the motor is operating
- Various protection functions

### Heavy Duty DC Gearmotor

- Vent free Gearbox design eliminates leaking oil in any orientation.

- Available in the following sizes:
  - 1/3 HP
  - 1/2 HP

- Available for the following power sources:
  - 90v DC with DC Control shown on Page 13
  - 90v DC without DC Control
**Exact Width Stands**

Part # 1A0010A–HH–HH–WW–C/L  
(Part # includes one stand)

Available with leveling feet (L) or casters (C). Top of belt heights available in adjustable 3" increments from 12" to 60" with leveling feet, 18" to 60" with casters.

Note: No additional mounts are required. Conveyors 6" wide and under have the stand framework on the outside of the conveyor.

---

**Outrigger Stands**

Part # 1A0011A–HH–HH–WW–C/L  
(Part # includes one stand)

Outrigger stands provide additional stability, especially for narrow conveyors. Available with leveling feet (L) or casters (C). Top of belt heights available in adjustable 3" increments from 18" to 60".

Note: No additional mounts are required. Conveyors 6" wide and under have the stand framework on the outside of the conveyor.

---

**2-Axis Adjustable Guides**

1" High Adjustable Guides  
(shown)  
Part # AS40–0281–LLL–T/S

2" High Adjustable Guides  
Part # AS40–0282–LLL–T/S

3" High Adjustable Guides  
Part # AS40–0283–LLL–T/S

The 2-Axis Adjustable Guides are designed to guide the product being conveyed. The rails adjust vertically and horizontally, offering the ultimate in flexibility. The pictured thumb wheel is ideal for quick adjustments, because no tools are required.

---

**1" Side Rails**

1" Aluminum Sides  
Part # AS40–0174–LLL

1" Aluminum Sides with Wear Strip (shown)  
Part # AS40–0178–LLL

Note: Available for AS65 and AS40 conveyors.

---

**2" Side Rails**

2" Aluminum Sides (shown)  
Part # AS40–0215–LLL

2" Aluminum Sides with Wear Strip  
Part # AS40–0216–LLL

Note: Available for AS65 and AS40 conveyors.

---

**1/3" Side Rails**

1/3" Aluminum Sides (shown)  
Part # AS40–0153–LLL

1/3" Aluminum Sides with Wear Strip  
Part # AS40–0170–LLL

Note: Available for AS65 and AS40 conveyors.
Heavy Duty DC Control

Part # 125–0054–01

Specifications/Features:
- 115v AC input; 90v, 1/2 hp max output
- 230v AC input; 180v, 1 hp max output
- 30:1 speed range
- UL/ULc/CE
- NEMA 1 Enclosure

Wiring Part # 125-0149-09 includes 8’ cord from control to 115v AC outlet and 8’ cord from control to motor with male/female disconnects (wired).

NEMA 4X Control

Part # 125–0054–38 (DC):
- 115v AC input; 90v, 1 hp max output
- 230v AC input; 180v, 2 hp max output
- 30:1 speed range

Part # 125–0054–37 (AC):
- 115v/230v, 1 Phase input
- 3 Phase, 1 HP max output
- UL/CSA/CE

Motor Starter

Overload protection that also provides a means of using a Remote E-Stop for safety. Protects against auto-starting and short circuits.
- 1 1/2 hp max
- UL/CSA/CE IP55 Enclosure

E-Stop Accessory

Part # ELECT-061

The E-Stop mounts directly to the Motor Starter enclosure, providing a means of stopping the motor for safety.

Specifications/Features:
- Turn to release
- UL/CSA/CE
- Can be locked out/includes start button
- IP55 Rated

Remote E-Stop

Part # AS40–ELECT–063–WBRKT

The Remote E-Stop provides a means for locking out power to the motor for safety. Includes IP65 enclosure and mounting bracket for mounting directly to conveyor frame.

Specifications/Features:
- Turn to release
- UL/CSA/CE
- IP65 Enclosure

Cross Ties

Part # 1A0015A0LLL (pair)

Recommended for use with all stands. Cross Ties can be cut to length by end user if necessary.

Steel Angle Braces

Part # Finish Location
1A0017A0001 Paint Pair
1A0017A0003 Paint Left
1A0017A0004 Paint Right

Can be used on conveyors with a minimum top of belt height of 21”. The angle brace is designed for conveyors 5’ or longer.*

Flush Side Mount

Part # 1A0030A–001

Can be attached at any point along the conveyor to mount the frame flush to a flat surface. Mounts are universal and work on either side of conveyor. Not compatible with cleats.

NEMA 4X Control

Part # 125–0054–38 (DC):
- 115v AC input; 90v, 1 hp max output
- 230v AC input; 180v, 2 hp max output
- 30:1 speed range

Part # 125–0054–37 (AC):
- 115v/230v, 1 Phase input
- 3 Phase, 1 HP max output
- UL/CSA/CE

Raised Side Mount

Part # 1A0030A–005

Can be attached at any point along the conveyor to mount the frame to a flat surface. Foot can be placed either inside or outside the conveyor footprint. Mounts are universal and work on either side of the conveyor. Compatible with any standard cleat height.

* When used with casters, angle braces must be used on both stands. Not compatible with incline or decline conveyors.
## Automation Series Conveyor Worksheet

### AS40 End Drive

For AS40 Conveyors, right and left are defined when the conveyor is viewed from the drive pulley end.

### AS65 Center Drive

All dimensions in mm; for precise dimensions see models available at qcconfig.com

### Load

- Describe the parts to be conveyed.
- What is the weight of each part to be conveyed?
- What is the weight of the total load to be conveyed at once?
- What type of belt do you need for this application?
- What is the desired cleat height? (AS40 Only)
- What is the desired cleat spacing? (AS40 Only)

### Operation

- How many conveyor starts and stops per hour?
- How many shifts or hours will the conveyor operate?
- Will the conveyor be accumulating?
- Will the conveyor be inclined or declined? If so, at what angle?
- What is the desired belt speed?
- Where will the drive be located?
- Where will the drive be mounted (top, side, etc.)?
- What is the input voltage?

### Motor

### Conveyer

- What is the desired width? (see table below)
- What is the desired length?
- What is the desired top of belt infeed height?
- What is the desired top of belt discharge height?
- What type of side or guide rails are required?
- Are any automation accessories required?
- What type of stands are required?
- What is the desired stand height?

### Stands & Accessories

<table>
<thead>
<tr>
<th>Nominal Frame Widths (in)</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>8</th>
<th>10</th>
<th>12</th>
<th>18</th>
<th>21</th>
<th>24</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exact Frame Widths (mm)</td>
<td>62</td>
<td>87</td>
<td>112</td>
<td>137</td>
<td>162</td>
<td>212</td>
<td>262</td>
<td>312</td>
<td>467</td>
<td>542</td>
<td>622</td>
</tr>
</tbody>
</table>
Automation Series Conveyor Worksheet

AS40Z Angled Frame

Load

» Describe the parts to be conveyed.
» What is the weight of each part to be conveyed?
» What is the weight of the total load to be conveyed at once?
» What type of belt do you need for this application?
» What is the desired cleat height?
» What is the desired cleat spacing?
» Is a corrugated sidewall belt required?
» If no sidewall required, will guides be required? Height?

Operation

» How many conveyor starts and stops per hour?
» How many shifts or hours will the conveyor operate?
» Will the conveyor be accumulating?
» Will the conveyor be inclined or declined? If so, at what angle?
» What is the desired belt speed?
» Where will the drive be located?
» Where will the drive be mounted (top, side, etc.)?
» What is the input voltage?

Motor

» What is the desired belt speed?
» Where will the drive be located?
» Where will the drive be mounted (top, side, etc.)?
» What is the input voltage?

Stands & Accessories

» What type of side or guide rails are required?
» Are any automation accessories required?
» What type of stands are required?
» What is the desired stand height?

Conveyor

» What is the desired width? See chart below
» What is the desired length?
» What is the desired top of belt infeed height?
» What is the desired top of belt discharge height?
» What is the infeed length?
» What is the discharge length?
» What is the incline angle?
» What is the length of the incline?
» What is the overall floor length?

Nominal Frame Widths (in)  8 10 12 18 21 24
Exact Frame Widths (mm)  212 262 312 467 542 622

All dimensions in mm; for precise dimensions see models available at qconfig.com
Why QC Industries?

Standing the Test of Time

For more than 30 years, we’ve been focused on one thing: providing our customers with reliable, easy to use conveyor systems that meets their needs, then backing them with world class service and support. Whether you’re an end user looking to decrease your line’s downtime or an OEM putting our conveyor in a machine with your company’s name on it, QC Industries offers the quality, reliable product you’re looking for.

We view our customers as partners, not for a single sale but for the long run. We regularly meet with them to learn how our products can better meet their needs and work hard to incorporate those needs into our products, leading to innovations like our Tension Release Tail™ and Pivot Rotatable Drives™. In addition, we have a dedicated team of customer service professionals ready to assist in any way they can, each empowered with the flexibility to keep customers happy.

10 Year Limited Warranty

Our products are developed and tested with long-term reliability in mind. To ensure our conveyors will run problem-free in the field for many years, we demand the tightest tolerances in the industry and manufacture our components using the most advanced processes available. Each conveyor is inspected at several points of the manufacturing process to ensure quality, including a final operational test before it leaves our facility. That’s why we confidently stand behind our products with a 10 year warranty when they’re registered at qcconveyors.com/serial.

5 Day Lead Times

Many of our most popular conveyors are now available with just a five day lead time. This includes both our AS40 and AS65 conveyors. Our most popular belt options are available for quick shipment. Just look for the Quick Ship icon in our Conveyor Configurator to guide your selections and ensure a five day lead time!

For More Information

qcconveyors.com

QC Industries’ website—qcconveyors.com—is your resource for the most up-to-date information about all of our products.

Your Local Distributor

Contact our sales department today at (513) 753-6000 to find your local distributor.

iPad App Available

Find our QC Industries’ Conveyor Guide App on the iTunes store today.

Part #: MKTG-AUTO-1502