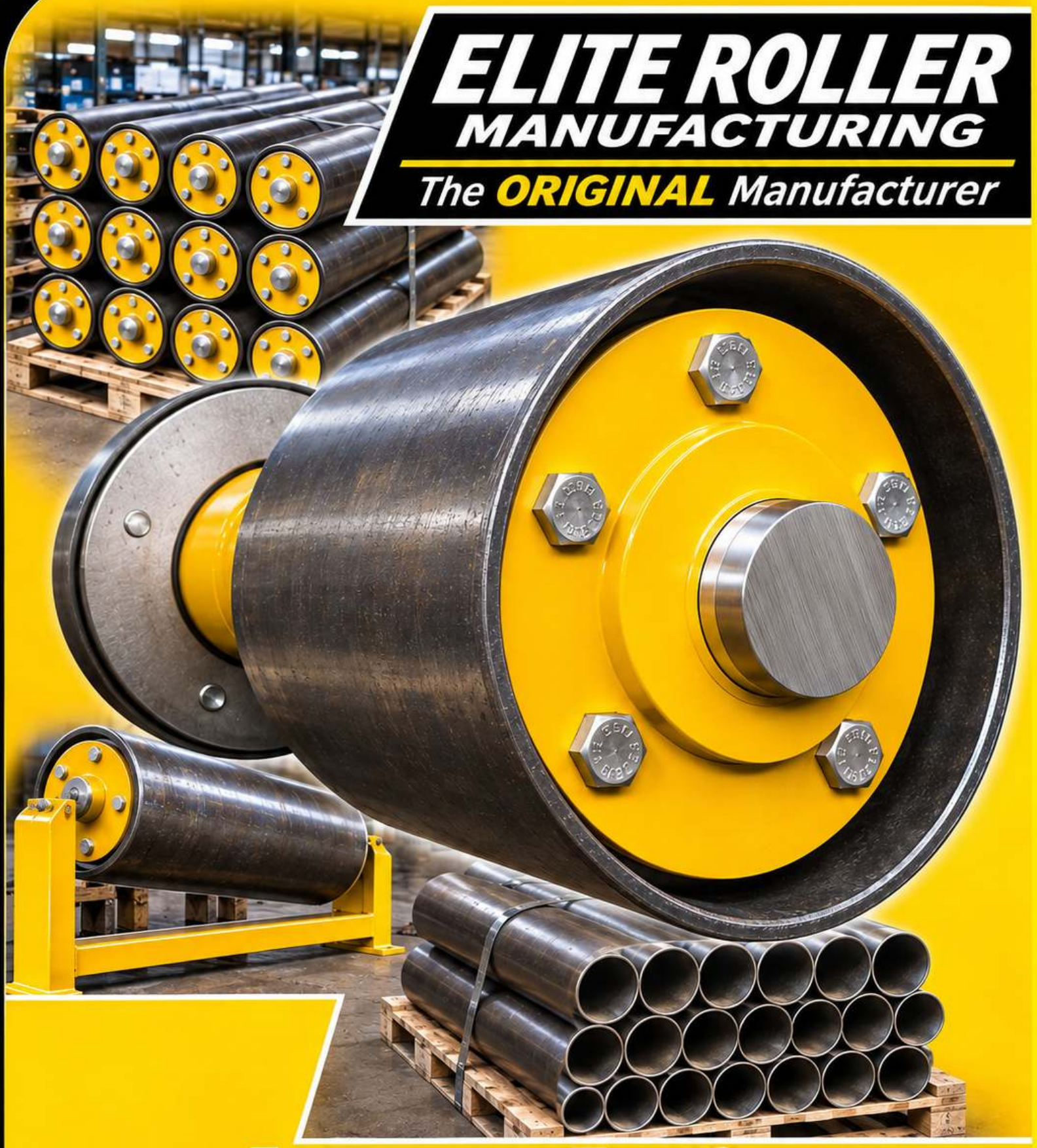

ELITE ROLLER
MANUFACTURING
The ORIGINAL Manufacturer
A Revolution
in Replacement Idlers

# The Last Roll

# ELITE ROLLER MANUFACTURING

HARRISON, OHIO 45030





Elite idlers bring a proven four-bearing design to mining and material handling.

Originally patented four-bearing idler design. The original patent has expired.

Reuse the axle assembly many times by removing the damaged shell and replacing it in a matter of minutes.

Buying replacement cans instead of complete idlers again and again offers **major cost savings.**




***Elite idlers are available in 5", 6", and 7" diameters with standard shell thicknesses of 3/16" and 1/4" wall in 7" cans.***

***A truly revolutionary innovation!***

## Make Elite Idlers a part of you

# er You'll Ever Buy

## Look Closer At The Elite Idler Innovation




1. Universal shafts to fit any manufacturer's brackets. Two tapered roller bearings in each hub, four bearings total per idler. Shafts also available in stainless steel for corrosive applications.
2. Replaceable tube for quick and easy change-out at significant cost savings.
3. Originally patented compression seal design allows easy can change-outs.
4. Powder-coated or zinc-coated cast hubs for superior corrosion resistance.
5. 316 stainless steel fasteners.
6. Inner support tube and hubs independent of each other.
7. Plastic seal available for superior bearing protection.

r conveyor system!

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## A Revolution in Replacement Idlers

Harrison, Ohio 45030

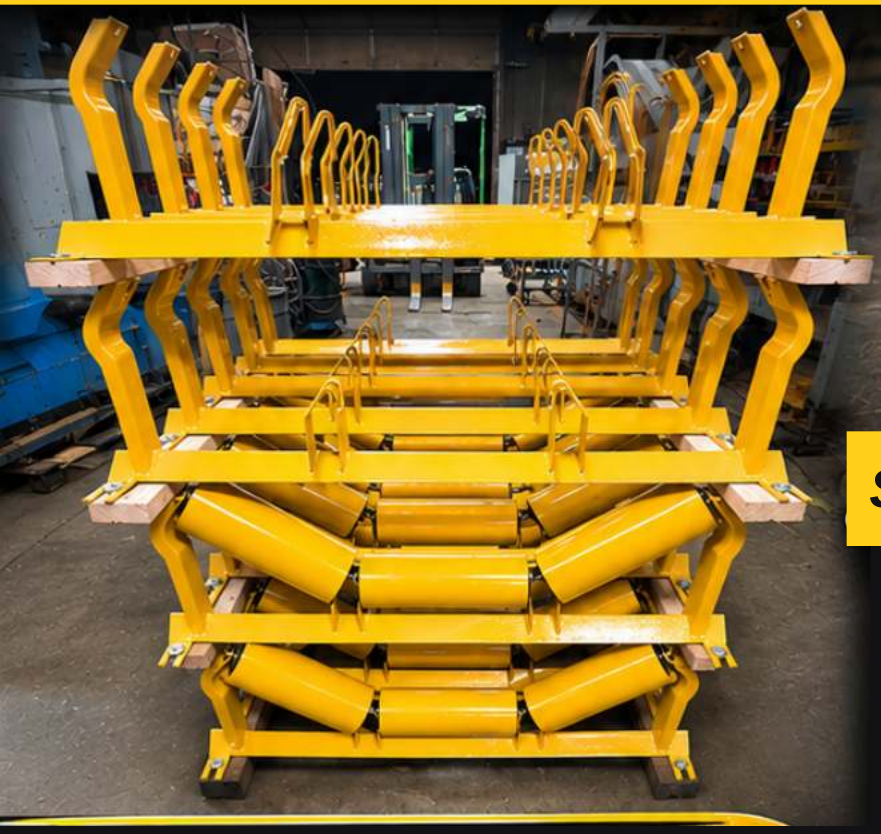
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Elite Roller Manufacturing

ELITE ROLLER MANUFACTURING

# Elite Steel Can Roller with PAL





## Sealed bearing assembly

The welded steel shell carries the belt load. On the grease-sealed tapered-bearing build, lubricant is contained in the bearing assembly. Ask Elite to confirm the bearing and shaft-end configuration for your order.

**Welded-end-cap steel roller**

**Specify shell diameter, wall thickness and shaft-end dimensions when requesting a quote.**

**Manufactured in Harrison, Ohio**

**Call 513-390-1081 for sizing and pricing.**

### PAL
### Positive Automatic Lubrication

The lubrication system helps keep grease close to the bearings. A spring-loaded disc responds to changes in grease volume as the roller warms and cools.

For replacement orders, send the belt width, roll diameter, face length and shaft-end dimensions.



Elite Roller Manufacturing

# Electronic Quality Tracking
# Shaft serial numbers





Elite uses the conveyor roller assembly machine from the former Hillsville production line in Harrison, Ohio. The shaft-end marking identifies the production date and the individual roll.




*For example, this roll was assembled on August 15, 2026 and it was the 39th roll assembled that day.*

## Assembly and inspection

**01 Identify the roll**
Record the shaft-end date and serial number.

**02 Check the roll**
Measure rotational torque, runout and bearing end play.

**03 Match the record**
Use the serial number to identify the individual roll.

Process overview

How to read this marking

081526 = August 15, 2026
0039 = 39th roll in the daily sequence

When requesting a replacement, send a clear photo of the full marking and the shaft ends.

# Elite Roller MFG

# Carrying Assemblies

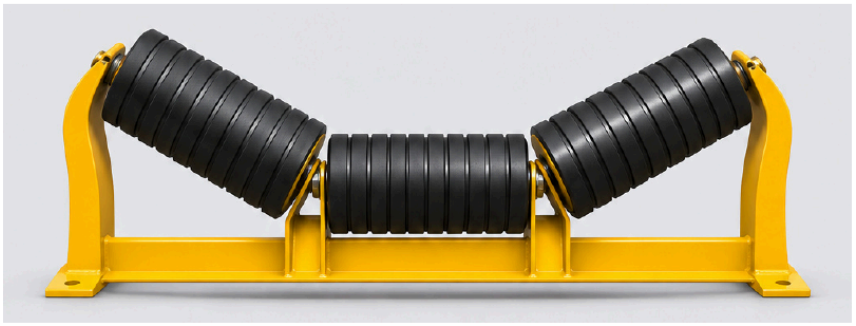
*Multiple options for maximum flexibility*



Elite shop photo

## Carrying idlers

Three rolls support the loaded belt across the trough. Specify belt width, trough angle and the frame mount. Elite owns the tooling that forms the wing brackets.



Product illustration

## Impact idlers

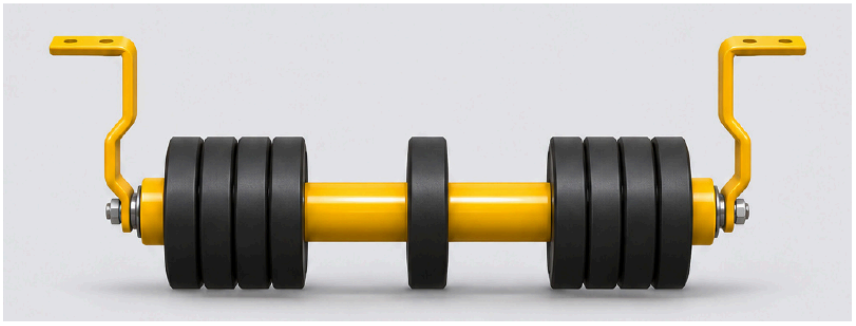
Use these at loading points. Provide the loading conditions, dimensions and required impact-roll configuration.



Product illustration

## Return idlers

A flat return roll supports the empty side of the belt. Confirm shaft-end geometry and hanger spacing.



Product illustration

## Rubber-disc return idlers

Specify disc diameter and spacing, along with the roll length and shaft mounting dimensions.



# Elite Roller Manufacturing

## Steel Rolls - Above Ground Applications

| CEMA | | | |
|---|---|---|---|
| Specification | CEMA C | CEMA D | CEMA E |
| Diameters | 101.6 mm, 127.0 mm 152.4 mm (4 in, 5 in, 7 in) | 127.0 mm, 152.4 mm (5 in, 6, 7 in) | 152.4 mm, 177.8 mm (6 in, 7 in) |
| Load Rating | (4 in, 5 in, 6 in) kg (900 lb) | Up to 545 kg (1,200 lb) | Up to 545 kg (1,200 lb) |
| L10 Life Expectancy | 30,000 hours | 60,000 hours | 60,000 hours |
| Belt Widths | 457.2 – 1524 mm (18 – 60 in) | 609.6 – 1828.8 mm (24 – 72 in) | 914.4 – 2438.4 mm (36 – 96 in) |



### Roller & Frame Details

- **Roller Diameters:** 4", 5", 6", 7"
- **CEMA Ratings:** C, D, and E
- **Bearing Type:** 3/4" Tapered Roller Bearing
- **Seal:** Grease Sealed for Life
- **L10 Life:** Up to 60,000 Hours
- **Frames:** Troughing, Return, and Impact
- **Construction:** Heavy-Duty Welded Steel
- **Finish:** Industrial Enamel (Yellow)

### Available Assemblies



Troughing Idler



Return Idler



Impact Idler

### Typical Applications

- Quarries & Aggregates
- Coal & Hard Rock Mining
- Sand & Gravel Operations
- Cement & Bulk Material Handling
- Power & Industrial Plants
- General Material Conveying

### Options & Customization

- Multiple Roller Diameters (4" – 7")
- Belt Widths (18" – 96")
- CEMA C, D, or E Ratings
- Troughing, Return, and Impact Configurations
- Custom Frames, Brackets, and Drop Brackets
- Special End Configurations (Hex, Round, or Grooved)

### Design Advantages

- Heavy-Duty, Long-Life Performance
- Low Maintenance – Sealed for Life
- High Load Capacity (C, D, and E)
- Precision-Built for Smooth, Reliable Operations
- Built for Harsh, High-Abrasion Environments

Elite Roller Manufacturing

Built Tough.
Designed to Perform.

www.EliteRollerManufacturing.com
Harrison, Ohio 45030

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# Standard Troughing Assemblies

Above-ground steel-can product line

35° equal trougher: three steel rollers and yellow frame. Sealed tapered bearings.

| Belt width | CEMA C / 5 in. | CEMA D / 5 in. | CEMA E / 6 in. |
|---|---|---|---|
| 18 in. | $279 | — | — |
| 24 in. | $299 | $369 | — |
| 30 in. | $329 | $399 | — |
| 36 in. | $359 | $449 | $559 |
| 42 in. | $389 | $489 | $629 |
| 48 in. | $429 | $539 | $699 |
| 54 in. | $469 | $589 | $779 |
| 60 in. | $509 | $649 | $859 |
| 72 in. | — | $769 | $1,049 |
| 84 in. | — | — | $1,249 |
| 96 in. | — | — | $1,449 |

## Frame only — 35°

| Belt width | CEMA C | CEMA D | CEMA E |
|---|---|---|---|
| 18 in. | $89 | — | — |
| 24 in. | $99 | $129 | — |
| 30 in. | $119 | $149 | — |
| 36 in. | $129 | $169 | $219 |
| 42 in. | $149 | $189 | $249 |
| 48 in. | $169 | $219 | $289 |
| 54 in. | $189 | $249 | $329 |
| 60 in. | $219 | $279 | $369 |
| 72 in. | — | $339 | $449 |
| 84 in. | — | — | $549 |
| 96 in. | — | — | $649 |

Frame-only pricing excludes rollers. Confirm roll diameter, mounting dimensions and shaft fit before ordering.

Estimated prices in USD. Call to confirm pricing: 513-390-1081

ELITE ROLLER MANUFACTURING

# Return Rollers and Options

Steel return rolls and mounting hardware

Individual steel return rollers; mounting brackets not included.

| Belt width | C5 return | D5 return | E6 return |
|---|---|---|---|
| 18 in. | $109 | — | — |
| 24 in. | $129 | $149 | — |
| 30 in. | $149 | $169 | — |
| 36 in. | $169 | $189 | $239 |
| 42 in. | $189 | $219 | $269 |
| 48 in. | $219 | $249 | $309 |
| 54 in. | $239 | $279 | $349 |
| 60 in. | $269 | $309 | $389 |
| 72 in. | — | $379 | $479 |
| 84 in. | — | — | $579 |
| 96 in. | — | — | $679 |

## Other configurations

| Option | Price adjustment |
|---|---|
| 20° troughing | Standard price |
| 45° troughing | +5% |
| 6 in. instead of 5 in. rolls | +12% |
| 7 in. instead of 6 in. rolls | +15% |
| Impact assemblies | +35–50% |
| Rubber disc returns | +30–45% |
| Heavy-wall tubing | +15–25% |
| Custom shafts / stainless components | Quote |
| Four-bearing idlers, cans and hubs | Quote |

Options subject to engineering and cost review. Freight and applicable taxes extra. Quantity orders quoted separately.

ELITE ROLLER MANUFACTURING

# CEMA C Roller and Structure

Ball-bearing configuration

## Roller configuration

This CEMA C build uses a ball bearing and 3/4-inch shaft. Confirm the model, bearing configuration and rating on the quote.

## Available items

Troughing rollers, return rollers, three-roll troughing assemblies, return assemblies, channel sections and support hardware.

## Structure quotes

Send belt width, roll diameter, trough angle, frame dimensions, section length, mounting type and quantity.

# Ordering and Contact

Call for pricing and availability

## Contact Elite

513-390-1081 | EliteRollerManufacturing.com
Harrison, Ohio 45030

## Roller and idler quotes

Send product line, belt width, roll diameter, face length, shaft-end details, bracket spacing and quantity. Include a photo of the shaft serial marking if present.

## Frames and underground sections

Send dimensions or a drawing, trough angle, mounting style, quantities and delivery destination.

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# Underground Mining

Channel-style conveyor sections and replacement components

## Complete sections

10-foot and 12-foot sections. Roof-hung and floor-mounted configurations are quoted to the project requirements.

## D and E roller configurations

Underground CEMA D: 3/4-inch shaft with tapered bearings, 36?72 in. belt widths. Underground CEMA E: 1-1/4-inch shaft with tapered bearings, 36?96 in. belt widths. Confirm the selected configuration on the quote.

## Components and fabrication

Bare frames, channel structures, drop hangers and replacement brackets. Standard structure uses 4-inch channel. Ask about 3-, 5- and 6-inch options.

ELITE ROLLER MANUFACTURING

# Complete Underground Sections

10-foot and 12-foot conveyor sections

Price includes seven rollers in the confirmed 10-foot configuration, frames, channel, return supports, stands/cuffs, rope clips, bolts and standard hardware.

| Series / belt width | 10-foot complete | 12-foot estimate |
|---|---|---|
| D \| 36–48 in | $1,450 | $1,740 |
| D \| 54–72 in | $2,050 | $2,460 |
| E \| 36–60 in | $2,350 | $2,820 |
| E \| 72–96 in | $3,250 | $3,900 |

## INCLUDED — 10-foot standard assembly

2 complete three-roll troughing frames (6 upper rollers); 1 return roller; return drop hangers; 2 end stands with cuffs; channel structure; rope clips; bolts and specified standard hardware.

**12-foot prices are preliminary length-scaled allowances.** Roller count, hanger spacing, stand quantity and hardware have not yet been confirmed for 12-foot builds.

**Mounting:** roof-hung and floor-mounted are available; these indicative figures do not establish equal fabrication cost for both. Confirm configuration before quoting.

ELITE ROLLER MANUFACTURING

# Underground Components

Order individual parts and subassemblies

Separate customer choices: complete systems, bare frames, bare channel structures, or replacement hardware.

## FRAMES ONLY — PER BARE TROUGHING FRAME

| Series / belt width | Estimated unit price |
|---|---|
| D \| 36–48 in | $145 |
| D \| 54–72 in | $195 |
| E \| 36–60 in | $225 |
| E \| 72–96 in | $325 |

## STRUCTURE ONLY — BARE CHANNEL SECTIONS

| Series / belt width | 10-foot | 12-foot |
|---|---|---|
| D \| 36–48 in | $425 | $510 |
| D \| 54–72 in | $575 | $690 |
| E \| 36–60 in | $650 | $780 |
| E \| 72–96 in | $850 | $1,020 |

**Excluded from frame-only prices:** rollers, bearings, structure, mounting hardware. **Excluded from bare-structure prices:** idlers, troughing frames, return rollers, drop hangers, stands/cuffs, rope clips and bolts unless expressly quoted.

**Drop hangers, support brackets, cuffs, custom frame work:** CALL TO CONFIRM — quote by drawing and order quantity.

ELITE ROLLER MANUFACTURING

# Troughing Frames

Bare yellow welded frames and return brackets

Bare yellow troughing frames; rollers, return rollers, structural channel and mounting hardware excluded.

| Frame type | Belt width | Per frame |
|---|---|---|
| D three-roll troughing | 36–48 in | $145 |
| D three-roll troughing | 54–72 in | $195 |
| E three-roll troughing | 36–60 in | $225 |
| E three-roll troughing | 72–96 in | $325 |
| Return bracket pair | D / E | $55–$95 |
| Custom frame | By drawing | Quote |

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# Channel Structures

Bare conveyor channel sections

Bare 4-inch channel structure, without idlers, upper frames, return rollers or drop hangers.

| Series / belt width | 10-foot bare | 12-foot bare |
|---|---|---|
| D / 36–48 in | $425 | $510 |
| D / 54–72 in | $575 | $690 |
| E / 36–60 in | $650 | $780 |
| E / 72–96 in | $850 | $1,020 |

Estimated prices in USD. Call to confirm pricing: 513-390-1081