

ENGINEERING & DIMENSIONS

# BELT CONVEYOR IDLERS





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#### **CEMA B SERIES**

|                                                       |       |
|-------------------------------------------------------|-------|
| Equal Trougher & Impact Trougher .....                | 9-11  |
| Unequal Trougher, Flat & Rubber Disc .....            | 12-13 |
| Return, Channel Inset Flat & Rubber Disc .....        | 14-15 |
| Channel Inset Trougher and Return & Rubber Disc ..... | 16-17 |
| Self Aligners (Trougher, Return & Flat) .....         | 18-19 |

#### **CEMA C SERIES**

|                                                            |       |
|------------------------------------------------------------|-------|
| Equal Trougher & Impact Trougher .....                     | 22-23 |
| Unequal Trougher, Flat & Rubber Disc .....                 | 24-25 |
| Return, V-Return & Rubber Disc .....                       | 26-27 |
| Channel Inset Trougher and Return & Rubber Disc .....      | 28-29 |
| Channel Inset Flat, Live Shaft & IVR and Rubber Disc ..... | 30-31 |
| Self Aligners (Trougher, Return & Flat) .....              | 32-33 |

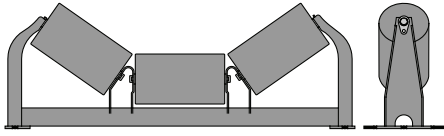
#### **CEMA D SERIES**

|                                                  |       |
|--------------------------------------------------|-------|
| Equal Trougher & Impact Trougher .....           | 36-37 |
| Unequal Trougher, Flat & Rubber Disc .....       | 38-39 |
| Return, V-Return & Rubber Disc .....             | 40-41 |
| LiveShaft, Inverted V-Return & Rubber Disc ..... | 42-43 |
| Self Aligners (Trougher, Return & Flat) .....    | 44-45 |

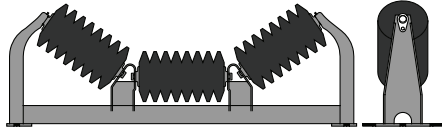
#### **CEMA E SERIES**

|                                                  |       |
|--------------------------------------------------|-------|
| Equal Trougher & Impact Trougher .....           | 48-49 |
| Unequal Trougher, Flat & Rubber Disc .....       | 50-51 |
| Return, V-Return & Rubber Disc .....             | 52-53 |
| LiveShaft, Inverted V-Return & Rubber Disc ..... | 54-55 |
| Self Aligners (Trougher & Return) .....          | 56-57 |

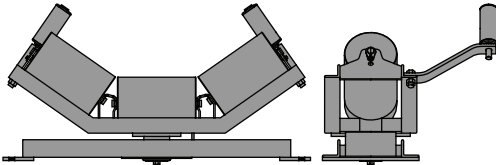
|                                              |       |
|----------------------------------------------|-------|
| Mounting Details (Footpads & Brackets) ..... | 58-60 |
| Guide Rollers .....                          | 62    |
| Stub Idlers .....                            | 63    |
| Specialty Products .....                     | 64-65 |
| Terms & Conditions .....                     | 66-67 |



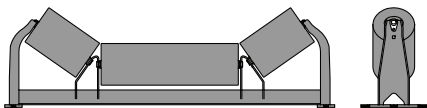
Equal Troughing Idlers support the belt and load in the transport section of the conveyor. Designed to meet or exceed the load limits established by the Conveyor Equipment Manufacturers Association (CEMA).



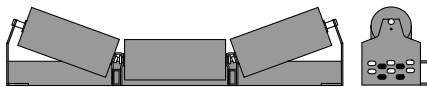
Impact Troughing Idlers are a special version of troughing idlers, providing a roll with cushioning rubber discs to lessen the belt damage due to impact from materials being loaded onto the belt. The frame is additionally reinforced to increase rigidity.



Self-Aligning Idlers, troughing, flat and return, assist in keeping the conveyor belt centered on the conveyor when temporary or transient conditions could result in belt misalignment.



Unequal Troughing (Picking) Idlers are used to reduce the height to aid in magnetic separation, picking, sorting, or manual separation. The inclined roll ends turn up the belt to minimize spillage. Rubber disc rolls are also available. The load ratings are greatly reduced from standard troughing idlers because most of the weight is on the long center roll.



Channel Inset Troughing Idlers are attached to a channel conveyor or other vertical surface by side mounting. They are used in tight clearance areas requiring a low profile. Rubber disc rolls are also available. Designed to interchange with other major brands.



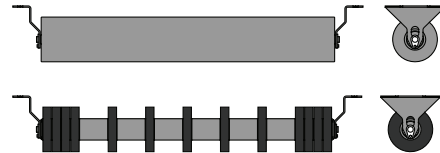
Flat Carrier Idler applications include picking, sorting, feeders, and package handling. Rubber disc rolls are also available. Load ratings are the same as return rolls and are greatly reduced from that of troughing idlers because of the long shaft length and having only two bearings.



Live Shaft Idlers with pillow block bearings provide an increased loading capacity. Available in solid and spaced rubber discs rolls and steel rolls.

**Return Idlers** support the belt during the return path and meet or exceed the CEMA load requirements.

**Return and flat idlers** (R, RRD, F, FRD, CIR, CIRRD, CIF, & CIFRD types) in B, C, D, and E series should not be used in a snub pulley type application. Shafting, bearings, and brackets may be overloaded in such applications leading to premature failure.

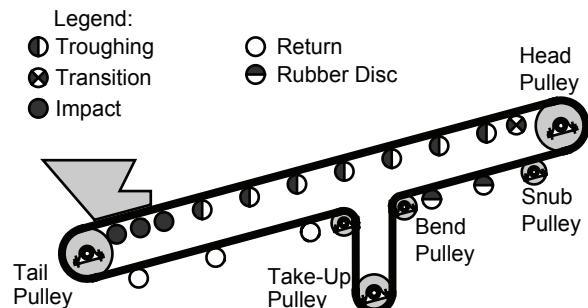


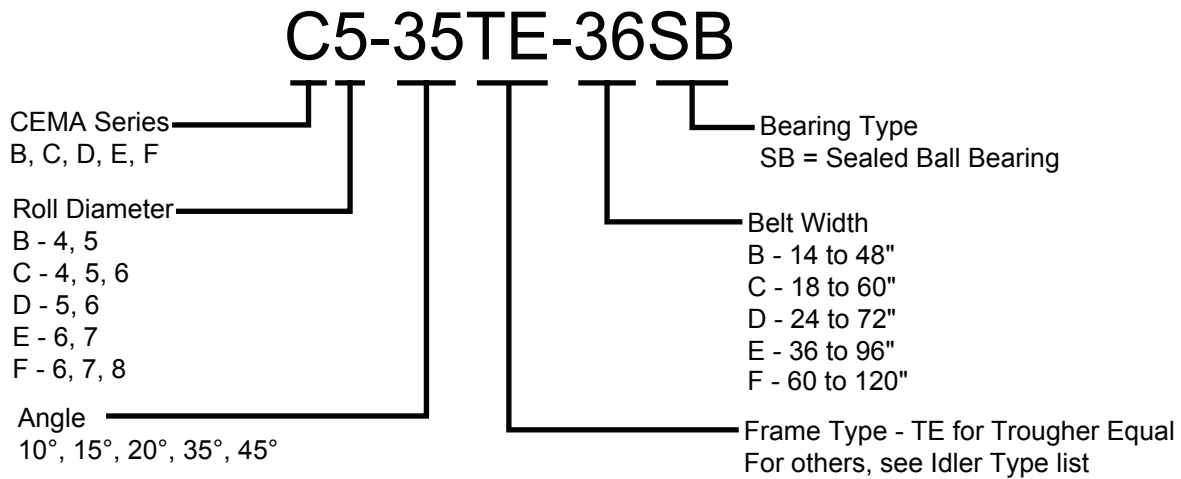
The following is a simplified conveyor used to illustrate basic belt conveyor components. Many variations of elevation, loading, discharge, idlers and idler spacing, pulleys, and accessories are possible.

**Steel Tube** used when materials are not sticky, corrosive, or abrasive.

**Rubber Disc** used when sticky, corrosive, or abrasive materials are present. Massed end discs are standard.

**Covered Rolls** used when very sticky or abrasive materials are present.





Note: Angle does not apply to flat or standard return idlers. Certain limitations apply, such as 10 for VR, 15 for IVR, and 20, 35 & 45 for TE.

#### IDLER TYPE LIST

|              |                                 |
|--------------|---------------------------------|
| <b>TE</b>    | Trougher Equal                  |
| <b>TEI</b>   | Trougher Equal Impact           |
| <b>TESA</b>  | Trougher Equal Self Aligner     |
| <b>TU</b>    | Trougher Unequal                |
| <b>TUI</b>   | Trougher Unequal Impact         |
| <b>CIT</b>   | Channel Inset Trougher          |
| <b>CITI</b>  | Channel Inset Trougher Impact   |
| <b>F</b>     | Flat                            |
| <b>FRD</b>   | Flat Rubber Disc                |
| <b>FSA</b>   | Flat Self-Aligner               |
| <b>CIF</b>   | Channel Inset Flat              |
| <b>CIFRD</b> | Channel Inset Flat Rubber Disc  |
| <b>R</b>     | Return                          |
| <b>RRD</b>   | Return Rubber Disc              |
| <b>RSA</b>   | Return Self Aligner             |
| <b>RRDSA</b> | Return Rubber Disc Self Aligner |
| <b>CIR</b>   | Channel Inset Return            |

|                |                                  |
|----------------|----------------------------------|
| <b>CIRRD</b>   | Channel Inset Return Rubber Disc |
| <b>VR</b>      | V-Return                         |
| <b>VRI</b>     | V-Return Impact                  |
| <b>IVR</b>     | Inverted V-Return                |
| <b>IVRI</b>    | Inverted V-Return Impact         |
| <b>LSI</b>     | Live Shaft Impact                |
| <b>LSRRD</b>   | Live Shaft Return Rubber Disc    |
| <b>LSR</b>     | Live Shaft Return (Steel)        |
| <b>TIS</b>     | Trougher Impact System           |
| <b>TISZ</b>    | Trougher Impact System – 2 Foot  |
| <b>EZI</b>     | EZ Slider with Impact Rolls      |
| <b>TET</b>     | Trougher Equal Transition        |
| <b>GRT</b>     | Guide Roll Trougher              |
| <b>GRF</b>     | Guide Roll Flat                  |
| <b>GRR</b>     | Guide Roll Return                |
| <b>SADxCSR</b> | Smart Roll Clean Side Return     |

For other types, consult your local PPI distributor and/or representative.

The Idler Selection Guide can be downloaded from our website at [www.ppi-global.com](http://www.ppi-global.com), select Resources/Catalog & Product Sheets.

For replacement rolls, clips, brackets, etc. (as well as special brackets) see the PPI Idler Replacement Parts catalog, available on our website at [www.ppi-global.com](http://www.ppi-global.com), choose Resources/Catalog & Product Sheets.

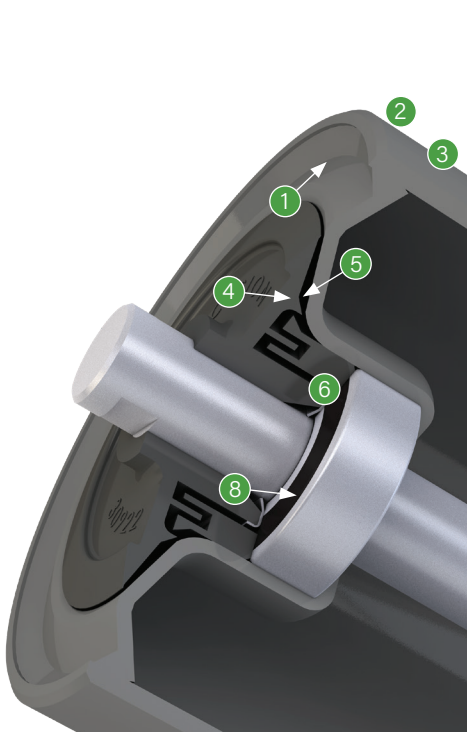
Figures used in this catalog are for dimensional reference only. Some variation may occur from the illustrations.

## FEATURES

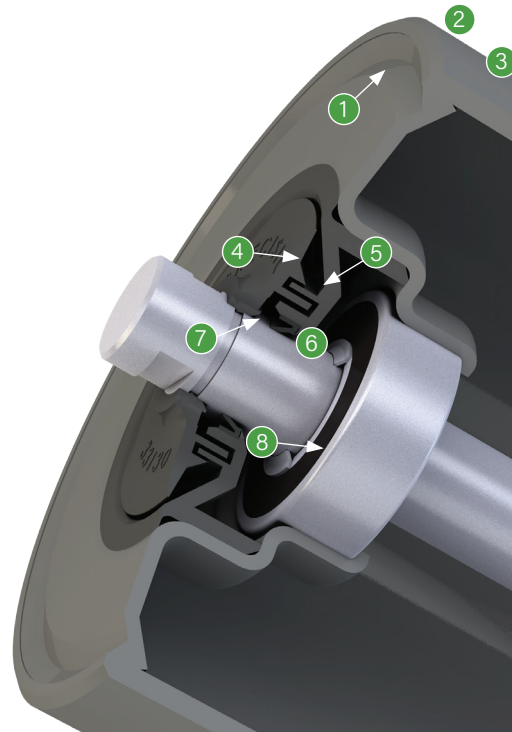
- Designed and manufactured for a long, trouble-free life
- Maintenance-free, high-quality sealed ball bearings
- Conforms to CEMA standards for dimensions and meets or exceeds series load ratings

## HIGHLIGHTS

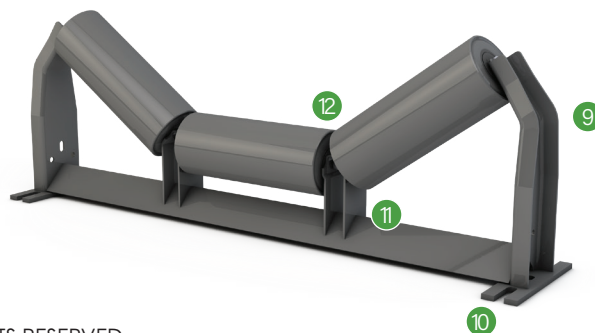
- |   |                                                                                                   |    |                                                                        |
|---|---------------------------------------------------------------------------------------------------|----|------------------------------------------------------------------------|
| 1 | Full tube thickness at the end bell weld extends wear life                                        | 7  | Long-lasting nitrile contact seal protected from the environment       |
| 2 | Full thickness tubing for the length of the roll with additional wall thickness options available | 8  | High-quality ball bearing with manufacturer's contact seals and grease |
| 3 | Low Total Indicator Run-out (TIR) or run-out                                                      | 9  | Wide, heavy-duty formed end brackets                                   |
| 4 | Large diameter stationary outer seal                                                              | 10 | Tough foot pads for a solid base                                       |
| 5 | Highly-effective centrifugal seal                                                                 | 11 | Wide center brackets for heavy loads                                   |
| 6 | Effective radial and labyrinth seals                                                              | 12 | Minimal roll gaps                                                      |



CEMA B



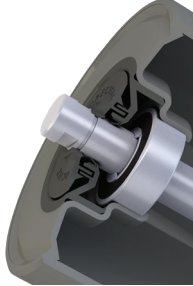
CEMA C, D, E, E+ & F





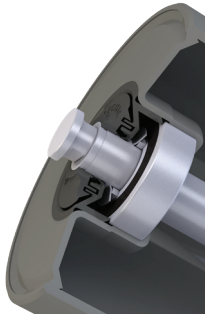
**CEMA B**  
6203 - 17mm (0.67in)  
17mm (0.67in)

| BELT<br>WIDTH | TROUGHING ANGLE |     |     | RETURN<br>& FLAT | UNEQUAL |     |
|---------------|-----------------|-----|-----|------------------|---------|-----|
|               | 20°             | 35° | 45° |                  | 20°     | 35° |
| 18            | 410             | 410 | 410 | 220              |         |     |
| 24            | 410             | 410 | 410 | 190              | 390     | 410 |
| 30            | 410             | 410 | 410 | 165              | 220     | 390 |
| 36            | 410             | 410 | 369 | 155              | 190     | 220 |
| 42            | 390             | 363 | 351 | 140              | 165     | 220 |
| 48            | 380             | 353 | 342 | 125              | 155     | 190 |



**CEMA C**  
P6204 - 19mm (0.75in) / 19mm (0.75in)

| BELT<br>WIDTH | TROUGHING ANGLE |     |     | RETURN<br>& FLAT | TWO-ROLL<br>V-RETURNS | UNEQUAL<br>(Picking) | LIVE<br>SHAFT |
|---------------|-----------------|-----|-----|------------------|-----------------------|----------------------|---------------|
|               | 20°             | 35° | 45° |                  |                       |                      |               |
| 18            | 900             | 900 | 900 | 475              | 500                   | 475                  | 1,200         |
| 24            | 900             | 900 | 900 | 325              | 500                   | 475                  | 1,200         |
| 30            | 900             | 900 | 900 | 250              | 500                   | 475                  | 1,200         |
| 36            | 900             | 837 | 810 | 200              | 500                   | 325                  | 1,200         |
| 42            | 850             | 791 | 765 | 150              | 500                   | 250                  | 1,100         |
| 48            | 800             | 744 | 720 | 125              | 500                   | 200                  | 1,000         |
| 54            | 750             | 698 | 675 | CEMA D           | 500                   | 150                  | 875           |
| 60            | 700             | 650 | 630 | CEMA D           | 500                   | 125                  | 780           |
| 66            | -               | -   | -   | CEMA D           | 500                   | -                    | -             |



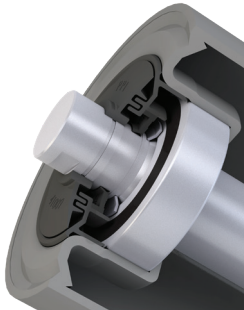
**CEMA D**  
6305 - 25mm (0.98in) / 25.4mm (1.00in)

|    |       |       |       |     |     |     |       |
|----|-------|-------|-------|-----|-----|-----|-------|
| 18 | 1,200 | 1,200 | 1,200 | 600 | 850 | 600 | 1,400 |
| 24 | 1,200 | 1,200 | 1,200 | 600 | 850 | 600 | 1,400 |
| 30 | 1,200 | 1,200 | 1,200 | 600 | 850 | 600 | 1,400 |
| 36 | 1,200 | 1,200 | 1,200 | 600 | 850 | 600 | 1,400 |
| 42 | 1,200 | 1,200 | 1,200 | 500 | 850 | 600 | 1,400 |
| 48 | 1,200 | 1,200 | 1,200 | 425 | 850 | 530 | 1,275 |
| 54 | 1,200 | 1,116 | 1,080 | 375 | 850 | 440 | 1,150 |
| 60 | 1,150 | 1,070 | 1,035 | 280 | 850 | 400 | 1,000 |
| 66 | -     | -     | -     | 215 | 850 | -   | -     |
| 72 | 1,050 | 977   | 945   | 155 | 850 | 280 | 850   |
| 78 | -     | -     | -     | 125 | 850 | -   | -     |



**CEMA E**  
6307 - 35mm (1.38in) / 35.5mm (1.41in)

|     |       |       |       |       |       |       |       |
|-----|-------|-------|-------|-------|-------|-------|-------|
| 36  | 1,800 | 1,800 | 1,800 | 1,000 | 1,300 | 1,260 | 2,100 |
| 42  | 1,800 | 1,800 | 1,800 | 1,000 | 1,300 | 1,200 | 2,100 |
| 48  | 1,800 | 1,800 | 1,800 | 1,000 | 1,300 | 1,000 | 2,100 |
| 54  | 1,800 | 1,800 | 1,800 | 925   | 1,300 | 1,000 | 2,100 |
| 60  | 1,800 | 1,800 | 1,800 | 850   | 1,300 | 1,000 | 2,100 |
| 66  | 1,800 | 1,800 | 1,800 | 775   | 1,300 | 1,000 | 2,100 |
| 72  | 1,800 | 1,800 | 1,800 | 700   | 1,300 | 925   | 2,100 |
| 78  | -     | -     | -     | 625   | 1,300 | -     | 2,100 |
| 84  | 1,800 | 1,674 | 1,620 | 550   | 1,300 | 775   | 1,825 |
| 90  | -     | -     | -     | 475   | 1,300 | -     | -     |
| 96  | 1,750 | 1,628 | 1,575 | 400   | 1,300 | 625   | -     |
| 102 | -     | -     | -     | 250   | 1,300 | -     | -     |



**PPI E PLUS**  
6308 - 40mm (1.57in) / 43mm (1.69in)

|     |       |       |       |       |       |       |       |
|-----|-------|-------|-------|-------|-------|-------|-------|
| 36  | 2,100 | 2,100 | 2,100 | 1,200 | 1,600 | 1,495 | 2,100 |
| 42  | 2,100 | 2,100 | 2,100 | 1,200 | 1,600 | 1,440 | 2,100 |
| 48  | 2,100 | 2,100 | 2,100 | 1,200 | 1,600 | 1,200 | 2,100 |
| 54  | 2,100 | 2,100 | 2,100 | 1,110 | 1,600 | 1,200 | 2,100 |
| 60  | 2,100 | 2,100 | 2,100 | 1,020 | 1,600 | 1,200 | 2,100 |
| 66  | 2,100 | 2,100 | 2,100 | 930   | 1,600 | 1,155 | 2,100 |
| 72  | 2,095 | 2,095 | 2,095 | 840   | 1,600 | 1,110 | 2,100 |
| 78  | 2,095 | 2,095 | 2,095 | 720   | 1,600 | 980   | 2,100 |
| 84  | 2,090 | 2,090 | 2,090 | 605   | 1,600 | 850   | 1,825 |
| 90  | 2,085 | 2,085 | 2,085 | 520   | 1,600 | 795   | -     |
| 96  | 2,080 | 2,080 | 2,080 | 440   | 1,600 | 680   | -     |
| 102 | 2,075 | 2,075 | 2,075 | 275   | 1,600 | 510   | -     |



**CEMA F**  
6310 - 50mm (1.97in) / 51mm (2.00in)

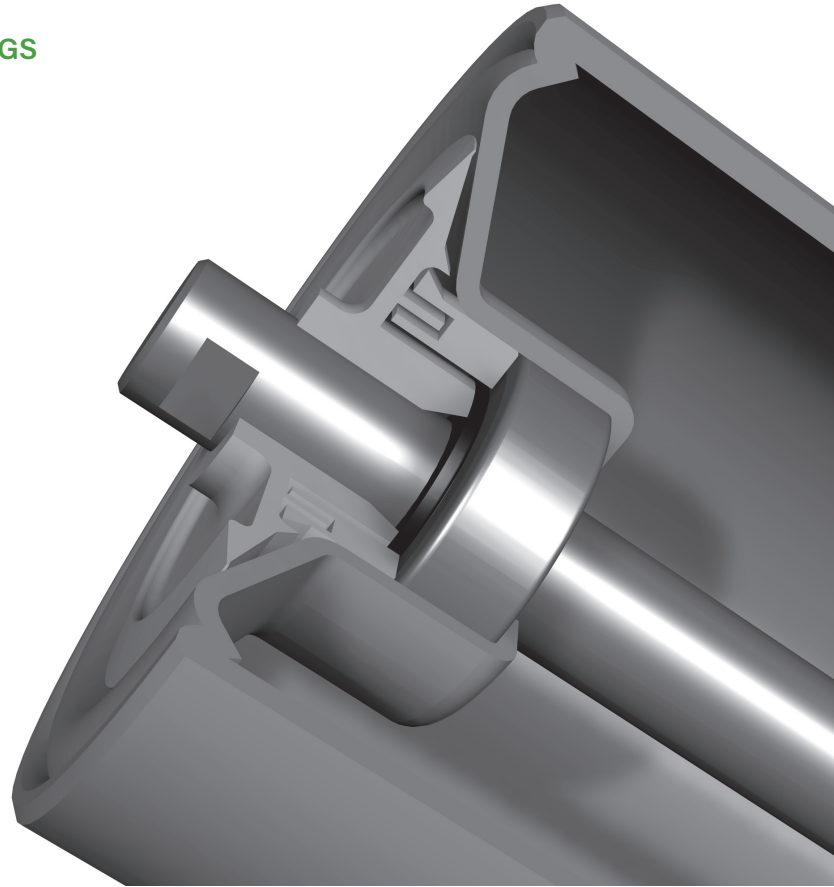
| BELT<br>WIDTH | TROUGHING ANGLE |       |       | RETURN<br>& FLAT | TWO-ROLL<br>V-RETURN* | UNEQUAL<br>(Picking) |
|---------------|-----------------|-------|-------|------------------|-----------------------|----------------------|
|               | 20°             | 35°   | 45°   |                  |                       |                      |
| 60            | 3,000           | 3,000 | 3,000 | 1,500            | 2,100                 | 2,000                |
| 66            | 3,000           | 3,000 | 3,000 | 1,350            | 2,100                 | 2,000                |
| 72            | 3,000           | 3,000 | 3,000 | 1,200            | 2,100                 | 1,900                |
| 78            | 3,000           | 3,000 | 3,000 | 1,050            | 2,100                 | 1,700                |
| 84            | 3,000           | 3,000 | 3,000 | 900              | 2,100                 | 1,500                |
| 90            | 3,000           | 3,000 | 3,000 | 750              | 2,100                 | 1,350                |
| 96            | 2,800           | 2,800 | 2,800 | 600              | 2,100                 | 1,200                |
| 102           | 2,800           | 2,800 | 2,800 | -                | 2,100                 | 1,050                |
| 108           | 2,800           | 2,800 | 2,800 | -                | 2,100                 | 900                  |
| 114           | 2,800           | 2,800 | 2,800 | -                | 2,100                 | 750                  |
| 120           | 2,800           | 2,800 | 2,800 | -                | 2,100                 | 600                  |
| 126           | -               | -     | -     | -                | 2,100                 | -                    |





### CEMA B CLASS IDLERS PRODUCT OFFERINGS

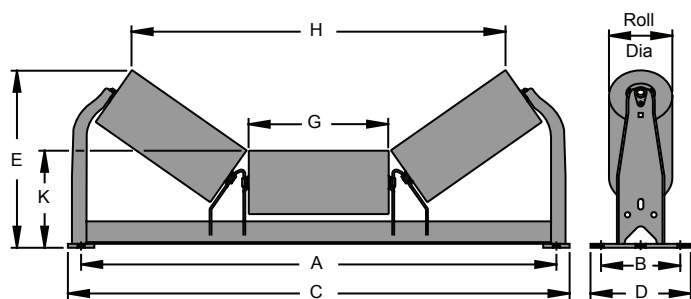
- Equal Trougher
- Equal Impact Trougher
- Unequal Trougher
- Unequal Impact Trougher
- Flat Carrier
- Impact Flat Carrier
- Return Roller
- Return Rubber Disc
- Channel Inset Flat Carrier
- Channel Inset Flat Rubber Disc Carrier
- Channel Inset Trougher
- Channel Inset Return Roller
- Channel Inset Impact Trougher
- Channel Inset Impact Return Roller
- Self-Aligner Trougher
- Self-Aligner Return Roller
- Self-Aligner Flat Roller
- Additional Configurations Available



### CEMA B LOAD RATINGS

| BELT<br>WIDTH | TROUGHING ANGLE |     |     | RETURN<br>& FLAT | UNEQUAL |     |
|---------------|-----------------|-----|-----|------------------|---------|-----|
|               | 20°             | 35° | 45° |                  | 20°     | 35° |
| 18            | 410             | 410 | 410 | 220              |         |     |
| 24            | 410             | 410 | 410 | 190              | 390     | 410 |
| 30            | 410             | 410 | 410 | 165              | 220     | 390 |
| 36            | 410             | 410 | 369 | 155              | 190     | 220 |
| 42            | 390             | 363 | 351 | 140              | 165     | 220 |
| 48            | 380             | 353 | 342 | 125              | 155     | 190 |

# CEMA B EQUAL TROUGH



| Belt Width | Standard Dimensions |       |        |       |         |
|------------|---------------------|-------|--------|-------|---------|
|            | A                   | B     | C      | D     | G*      |
| 14         | 23                  | 6     | 25     | 8     | 5 7/16  |
| 16         | 25                  | 6     | 27     | 8     | 6 3/4   |
| 18         | 27                  | 6     | 29     | 8     | 6 3/4   |
| 20         | 29                  | 6     | 31     | 8     | 7 5/8   |
| 24         | 33                  | 6     | 35     | 8     | 8 15/16 |
| 30         | 39                  | 6     | 41     | 8     | 11 1/8  |
| 36         | 45                  | 6     | 47     | 8     | 13 1/4  |
| 42         | 51                  | 7 1/2 | 53 1/2 | 9 1/2 | 15 7/16 |
| 48         | 57                  | 7 1/2 | 59 1/2 | 9 1/2 | 17 5/8  |

## 20° EQUAL TROUGH

| Belt Width | 4" Roll Diameter |          |          |       |    | 5" Roll Diameter |          |          |       |    |
|------------|------------------|----------|----------|-------|----|------------------|----------|----------|-------|----|
|            | Part Number      | E        | H        | K     | WT | Part Number      | E        | H        | K     | WT |
| 14         | B4-20TE-14SB     | 9 1/16   | 16 15/16 | 7     | 25 | B5-20TE-14SB     | 9 1/2    | 16 9/16  | 7 1/2 | 28 |
| 16         | B4-20TE-16SB     | 9 1/16   | 18 1/4   | 7     | 26 | B5-20TE-16SB     | 9 1/2    | 17 7/8   | 7 1/2 | 29 |
| 18         | B4-20TE-18SB     | 9 7/16   | 20 11/16 | 7     | 28 | B5-20TE-18SB     | 9 15/16  | 20 3/8   | 7 1/2 | 32 |
| 20         | B4-20TE-20SB     | 9 13/16  | 23 1/4   | 7     | 30 | B5-20TE-20SB     | 10 1/4   | 22 7/8   | 7 1/2 | 34 |
| 24         | B4-20TE-24SB     | 10 1/4   | 26 15/16 | 7     | 33 | B5-20TE-24SB     | 10 11/16 | 26 11/16 | 7 1/2 | 38 |
| 30         | B4-20TE-30SB     | 10 15/16 | 33 5/16  | 7     | 39 | B5-20TE-30SB     | 11 7/16  | 32 15/16 | 7 1/2 | 43 |
| 36         | B4-20TE-36SB     | 11 11/16 | 39 7/16  | 7     | 44 | B5-20TE-36SB     | 12 3/16  | 39 1/16  | 7 1/2 | 49 |
| 42         | B4-20TE-42SB     | 12 15/16 | 45 3/4   | 7 1/2 | 54 | B5-20TE-42SB     | 13 7/16  | 45 3/8   | 8     | 60 |
| 48         | B4-20TE-48SB     | 13 11/16 | 52 1/16  | 7 1/2 | 60 | B5-20TE-48SB     | 14 3/16  | 51 11/16 | 8     | 66 |

## 35° EQUAL TROUGH

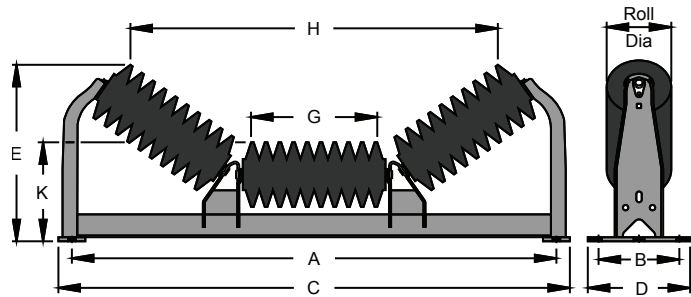
| Belt Width | 4" Roll Diameter |          |          |       |    | 5" Roll Diameter |          |          |       |    |
|------------|------------------|----------|----------|-------|----|------------------|----------|----------|-------|----|
|            | Part Number      | E        | H        | K     | WT | Part Number      | E        | H        | K     | WT |
| 14         | B4-35TE-14SB     | 10 1/4   | 15 1/2   | 7     | 26 | B5-35TE-14SB     | 10 11/16 | 14 7/8   | 7 1/2 | 29 |
| 16         | B4-35TE-16SB     | 10 1/4   | 16 13/16 | 7     | 27 | B5-35TE-16SB     | 10 11/16 | 16 1/4   | 7 1/2 | 30 |
| 18         | B4-35TE-18SB     | 10 15/16 | 18 15/16 | 7     | 29 | B5-35TE-18SB     | 11 3/8   | 18 3/8   | 7 1/2 | 32 |
| 20         | B4-35TE-20SB     | 11 1/2   | 21 1/4   | 7     | 31 | B5-35TE-20SB     | 11 15/16 | 20 11/16 | 7 1/2 | 35 |
| 24         | B4-35TE-24SB     | 12 1/4   | 24 11/16 | 7     | 34 | B5-35TE-24SB     | 12 5/8   | 24 1/8   | 7 1/2 | 39 |
| 30         | B4-35TE-30SB     | 13 1/2   | 30 1/2   | 7     | 40 | B5-35TE-30SB     | 13 15/16 | 29 7/8   | 7 1/2 | 45 |
| 36         | B4-35TE-36SB     | 14 11/16 | 36 1/8   | 7     | 45 | B5-35TE-36SB     | 15 1/8   | 35 1/2   | 7 1/2 | 51 |
| 42         | B4-35TE-42SB     | 16 7/16  | 41 7/8   | 7 1/2 | 56 | B5-35TE-42SB     | 16 7/8   | 41 1/4   | 8     | 62 |
| 48         | B4-35TE-48SB     | 17 11/16 | 47 5/8   | 7 1/2 | 62 | B5-35TE-48SB     | 18 1/8   | 47 1/16  | 8     | 69 |

## 45° EQUAL TROUGH

| Belt Width | 4" Roll Diameter |          |          |       |    | 5" Roll Diameter |          |          |       |    |
|------------|------------------|----------|----------|-------|----|------------------|----------|----------|-------|----|
|            | Part Number      | E        | H        | K     | WT | Part Number      | E        | H        | K     | WT |
| 14         | B4-45TE-14SB     | 11 3/16  | 14 1/8   | 7     | 27 | B5-45TE-14SB     | 11 1/2   | 13 7/16  | 7 1/2 | 30 |
| 16         | B4-45TE-16SB     | 11 3/16  | 15 7/16  | 7     | 28 | B5-45TE-16SB     | 11 1/2   | 14 11/16 | 7 1/2 | 31 |
| 18         | B4-45TE-18SB     | 12 1/8   | 17 1/4   | 7     | 31 | B5-45TE-18SB     | 12 7/16  | 16 9/16  | 7 1/2 | 34 |
| 20         | B4-45TE-20SB     | 12 11/16 | 19 3/8   | 7     | 33 | B5-45TE-20SB     | 13 1/16  | 18 11/16 | 7 1/2 | 36 |
| 24         | B4-45TE-24SB     | 13 5/8   | 22 9/16  | 7     | 35 | B5-45TE-24SB     | 13 15/16 | 21 7/8   | 7 1/2 | 40 |
| 30         | B4-45TE-30SB     | 15 3/16  | 27 11/16 | 7     | 41 | B5-45TE-30SB     | 15 9/16  | 27 1/8   | 7 1/2 | 46 |
| 36         | B4-45TE-36SB     | 16 11/16 | 32 15/16 | 7     | 47 | B5-45TE-36SB     | 17 1/16  | 32 1/4   | 7 1/2 | 53 |
| 42         | B4-45TE-42SB     | 18 11/16 | 38 1/4   | 7 1/2 | 63 | B5-45TE-42SB     | 19 1/16  | 37 9/16  | 8     | 69 |
| 48         | B4-45TE-48SB     | 20 1/4   | 43 9/16  | 7 1/2 | 68 | B5-45TE-48SB     | 20 5/8   | 42 13/16 | 8     | 75 |

\*16" belt width G=6 3/4" for center roll and 5 7/16" for wing roll.

| Belt Width | Standard Dimensions |       |        |       |         |
|------------|---------------------|-------|--------|-------|---------|
|            | A                   | B     | C      | D     | G*      |
| 14         | 23                  | 6     | 25     | 8     | 3 5/16  |
| 16         | 25                  | 6     | 27     | 8     | 4 5/8   |
| 18         | 27                  | 6     | 29     | 8     | 4 5/8   |
| 20         | 29                  | 6     | 31     | 8     | 5 1/2   |
| 24         | 33                  | 6     | 35     | 8     | 6 13/16 |
| 30         | 39                  | 6     | 41     | 8     | 9       |
| 36         | 45                  | 6     | 47     | 8     | 11 1/8  |
| 42         | 51                  | 7 1/2 | 53 1/2 | 9 1/2 | 13 5/16 |
| 48         | 57                  | 7 1/2 | 59 1/2 | 9 1/2 | 15 1/2  |

**20° EQUAL IMPACT TROUGH**

| Belt Width | 4" Roll Diameter |         |          |       |    | 5" Roll Diameter |          |          |       |     |
|------------|------------------|---------|----------|-------|----|------------------|----------|----------|-------|-----|
|            | Part Number      | E       | H        | K     | WT | Part Number      | E        | H        | K     | WT  |
| 14         | B4-20TEI-14SB    | 8 11/16 | 14 15/16 | 7     | 31 | B5-20TEI-14SB    | 9 1/8    | 14 9/16  | 7 1/2 | 36  |
| 16         | B4-20TEI-16SB    | 8 11/16 | 16 1/4   | 7     | 35 | B5-20TEI-16SB    | 9 1/8    | 15 7/8   | 7 1/2 | 40  |
| 18         | B4-20TEI-18SB    | 9 1/16  | 18 11/16 | 7     | 37 | B5-20TEI-18SB    | 9 9/16   | 18 3/8   | 7 1/2 | 43  |
| 20         | B4-20TEI-20SB    | 9 7/16  | 21 1/4   | 7     | 41 | B5-20TEI-20SB    | 9 7/8    | 20 7/8   | 7 1/2 | 49  |
| 24         | B4-20TEI-24SB    | 9 7/8   | 24 15/16 | 7     | 47 | B5-20TEI-24SB    | 10 5/16  | 24 11/16 | 7 1/2 | 56  |
| 30         | B4-20TEI-30SB    | 10 9/16 | 31 5/16  | 7     | 56 | B5-20TEI-30SB    | 11 1/16  | 30 15/16 | 7 1/2 | 65  |
| 36         | B4-20TEI-36SB    | 11 5/16 | 37 7/16  | 7     | 66 | B5-20TEI-36SB    | 11 13/16 | 37 1/16  | 7 1/2 | 77  |
| 42         | B4-20TEI-42SB    | 12 9/16 | 43 3/4   | 7 1/2 | 81 | B5-20TEI-42SB    | 13 1/16  | 43 3/8   | 8     | 95  |
| 48         | B4-20TEI-48SB    | 13 5/16 | 50 1/16  | 7 1/2 | 92 | B5-20TEI-48SB    | 13 13/16 | 49 11/16 | 8     | 107 |

**35° EQUAL IMPACT TROUGH**

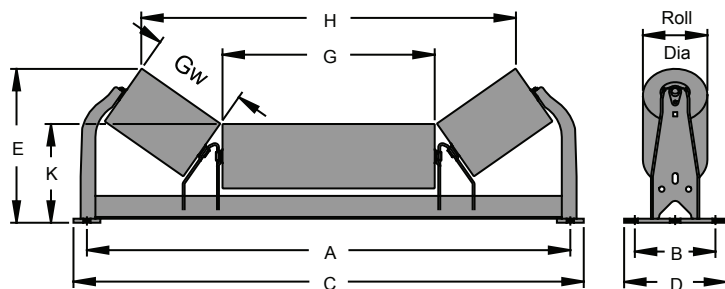
| Belt Width | 4" Roll Diameter |          |          |       |    | 5" Roll Diameter |         |          |       |     |
|------------|------------------|----------|----------|-------|----|------------------|---------|----------|-------|-----|
|            | Part Number      | E        | H        | K     | WT | Part Number      | E       | H        | K     | WT  |
| 14         | B4-35TEI-14SB    | 9 5/8    | 13 3/4   | 7     | 32 | B5-35TEI-14SB    | 10 1/16 | 13 1/8   | 7 1/2 | 37  |
| 16         | B4-35TEI-16SB    | 9 5/8    | 15 1/16  | 7     | 36 | B5-35TEI-16SB    | 10 1/16 | 14 1/2   | 7 1/2 | 41  |
| 18         | B4-35TEI-18SB    | 10 5/16  | 17 3/16  | 7     | 38 | B5-35TEI-18SB    | 10 3/4  | 16 5/8   | 7 1/2 | 44  |
| 20         | B4-35TEI-20SB    | 10 7/8   | 19 1/2   | 7     | 42 | B5-35TEI-20SB    | 11 5/16 | 18 15/16 | 7 1/2 | 50  |
| 24         | B4-35TEI-24SB    | 11 5/8   | 22 15/16 | 7     | 48 | B5-35TEI-24SB    | 12      | 22 3/8   | 7 1/2 | 57  |
| 30         | B4-35TEI-30SB    | 12 7/8   | 28 3/4   | 7     | 60 | B5-35TEI-30SB    | 13 5/16 | 28 1/8   | 7 1/2 | 67  |
| 36         | B4-35TEI-36SB    | 14 1/16  | 34 3/8   | 7     | 68 | B5-35TEI-36SB    | 14 1/2  | 33 3/4   | 7 1/2 | 79  |
| 42         | B4-35TEI-42SB    | 15 13/16 | 40 1/8   | 7 1/2 | 83 | B5-35TEI-42SB    | 16 1/4  | 39 1/2   | 8     | 96  |
| 48         | B4-35TEI-48SB    | 17 1/16  | 45 7/8   | 7 1/2 | 95 | B5-35TEI-48SB    | 17 1/2  | 45 5/16  | 8     | 109 |

**45° EQUAL IMPACT TROUGH**

| Belt Width | 4" Roll Diameter |          |          |       |     | 5" Roll Diameter |          |          |       |     |
|------------|------------------|----------|----------|-------|-----|------------------|----------|----------|-------|-----|
|            | Part Number      | E        | H        | K     | WT  | Part Number      | E        | H        | K     | WT  |
| 14         | B4-45TEI-14SB    | 10 7/16  | 12 5/8   | 7     | 33  | B5-45TEI-14SB    | 10 3/4   | 11 15/16 | 7 1/2 | 38  |
| 16         | B4-45TEI-16SB    | 10 7/16  | 13 15/16 | 7     | 37  | B5-45TEI-16SB    | 10 3/4   | 13 3/16  | 7 1/2 | 42  |
| 18         | B4-45TEI-18SB    | 11 3/8   | 15 3/4   | 7     | 39  | B5-45TEI-18SB    | 11 11/16 | 15 1/16  | 7 1/2 | 45  |
| 20         | B4-45TEI-20SB    | 11 15/16 | 17 7/8   | 7     | 43  | B5-45TEI-20SB    | 12 5/16  | 17 3/16  | 7 1/2 | 51  |
| 24         | B4-45TEI-24SB    | 12 7/8   | 21 1/16  | 7     | 49  | B5-45TEI-24SB    | 13 3/16  | 20 3/8   | 7 1/2 | 58  |
| 30         | B4-45TEI-30SB    | 14 7/16  | 26 3/16  | 7     | 58  | B5-45TEI-30SB    | 14 13/16 | 25 5/8   | 7 1/2 | 68  |
| 36         | B4-45TEI-36SB    | 15 15/16 | 31 7/16  | 7     | 70  | B5-45TEI-36SB    | 16 5/16  | 30 3/4   | 7 1/2 | 81  |
| 42         | B4-45TEI-42SB    | 17 15/16 | 36 3/4   | 7 1/2 | 90  | B5-45TEI-42SB    | 18 5/16  | 36 1/16  | 8     | 103 |
| 48         | B4-45TEI-48SB    | 19 1/2   | 42 1/16  | 7 1/2 | 102 | B5-45TEI-48SB    | 19 7/8   | 41 5/16  | 8     | 117 |

\*16" belt width G= 4 5/8" for center roll and 3 5/16" for wing roll.

# CEMA B UNEQUAL TROUGH & FLAT CARRIER



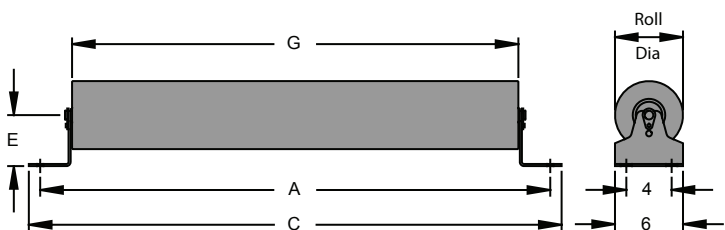
| Belt Width | Standard Dimensions |       |        |       |
|------------|---------------------|-------|--------|-------|
|            | A                   | B     | C      | D     |
| 24         | 33                  | 6     | 35     | 8     |
| 30         | 39                  | 6     | 41     | 8     |
| 36         | 45                  | 6     | 47     | 8     |
| 42         | 51                  | 7 1/2 | 53 1/2 | 9 1/2 |
| 48         | 57                  | 7 1/2 | 59 1/2 | 9 1/2 |

## 20° UNEQUAL TROUGH

| Belt Width | 4" Roll Diameter |        |          |       |    | 5" Roll Diameter |         |         |       |    | G       | Gw     |
|------------|------------------|--------|----------|-------|----|------------------|---------|---------|-------|----|---------|--------|
|            | Part Number      | E      | H        | K     | WT | Part Number      | E       | H       | K     | WT |         |        |
| 24         | B4-20TU-24SB     | 9 1/16 | 26 15/16 | 7     | 33 | B5-20TU-24SB     | 9 7/16  | 26 9/16 | 7 1/2 | 37 | 15 7/16 | 5 7/16 |
| 30         | B4-20TU-30SB     | 9 1/16 | 32 7/8   | 7     | 38 | B5-20TU-30SB     | 9 7/16  | 32 1/2  | 7 1/2 | 43 | 21 3/8  | 5 7/16 |
| 36         | B4-20TU-36SB     | 9 1/16 | 38 7/8   | 7     | 43 | B5-20TU-36SB     | 9 7/16  | 38 1/2  | 7 1/2 | 48 | 27 3/8  | 5 7/16 |
| 42         | B4-20TU-42SB     | 9 9/16 | 44 7/8   | 7 1/2 | 53 | B5-20TU-42SB     | 9 15/16 | 44 1/2  | 8     | 59 | 33 3/8  | 5 7/16 |
| 48         | B4-20TU-48SB     | 9 9/16 | 50 7/8   | 7 1/2 | 58 | B5-20TU-48SB     | 9 15/16 | 50 1/2  | 8     | 64 | 39 3/8  | 5 7/16 |

## 35° UNEQUAL TROUGH

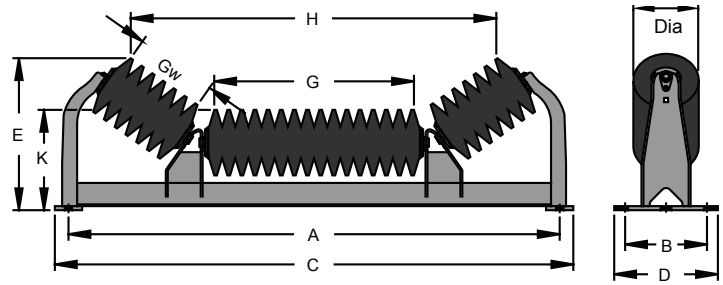
| Belt Width | 4" Roll Diameter |        |         |       |    | 5" Roll Diameter |        |          |       |    | G       | Gw      |
|------------|------------------|--------|---------|-------|----|------------------|--------|----------|-------|----|---------|---------|
|            | Part Number      | E      | H       | K     | WT | Part Number      | E      | H        | K     | WT |         |         |
| 24         | B4-35TU-24SB     | 11     | 25 7/16 | 7     | 35 | B5-35TU-24SB     | 11 3/8 | 24 7/8   | 7 1/2 | 39 | 13 1/4  | 6 3/4   |
| 30         | B4-35TU-30SB     | 12 1/4 | 31 1/4  | 7     | 40 | B5-35TU-30SB     | 12 5/8 | 30 11/16 | 7 1/2 | 45 | 15 7/16 | 8 15/16 |
| 36         | B4-35TU-36SB     | 12 1/4 | 37 1/8  | 7     | 45 | B5-35TU-36SB     | 12 5/8 | 36 9/16  | 7 1/2 | 50 | 21 3/8  | 8 15/16 |
| 42         | B4-35TU-42SB     | 14     | 40 3/16 | 7 1/2 | 56 | B5-35TU-42SB     | 14 3/8 | 40 3/4   | 8     | 64 | 21 3/8  | 11 1/8  |
| 48         | B4-35TU-48SB     | 14     | 46 3/4  | 7 1/2 | 63 | B5-35TU-48SB     | 14 3/8 | 46       | 8     | 70 | 27 3/8  | 11 1/8  |



## FLAT CARRIER

| Belt Width | 4" Roll Diameter |    |             |    | 5" Roll Diameter |    |             |    | Standard Dimensions |    |        |
|------------|------------------|----|-------------|----|------------------|----|-------------|----|---------------------|----|--------|
|            | E=4½"            |    | E=1½"       |    | E=4½"            |    | E=1½"       |    |                     |    |        |
|            | Part Number      | WT | Part Number | WT | Part Number      | WT | Part Number | WT | A                   | C  | G      |
| 14         | B4-F-14SB        | 17 | B4-F-14SB-1 | 16 | B5-F-14SB        | 19 | B5-F-14SB-1 | 18 | 23                  | 25 | 17 3/8 |
| 16         | B4-F-16SB        | 18 | B4-F-16SB-1 | 17 | B5-F-16SB        | 20 | B5-F-16SB-1 | 19 | 25                  | 27 | 19 3/8 |
| 18         | B4-F-18SB        | 19 | B4-F-18SB-1 | 18 | B5-F-18SB        | 21 | B5-F-18SB-1 | 20 | 27                  | 29 | 21 3/8 |
| 20         | B4-F-20SB        | 20 | B4-F-20SB-1 | 19 | B5-F-20SB        | 23 | B5-F-20SB-1 | 22 | 29                  | 31 | 23 3/8 |
| 24         | B4-F-24SB        | 22 | B4-F-24SB-1 | 21 | B5-F-24SB        | 25 | B5-F-24SB-1 | 24 | 33                  | 35 | 27 3/8 |
| 30         | B4-F-30SB        | 25 | B4-F-30SB-1 | 24 | B5-F-30SB        | 29 | B5-F-30SB-1 | 28 | 39                  | 41 | 33 3/8 |
| 36         | B4-F-36SB        | 28 | B4-F-36SB-1 | 27 | B5-F-36SB        | 32 | B5-F-36SB-1 | 31 | 45                  | 47 | 39 3/8 |
| 42         | B4-F-42SB        | 31 | B4-F-42SB-1 | 30 | B5-F-42SB        | 36 | B5-F-42SB-1 | 35 | 51                  | 53 | 45 3/8 |
| 48         | B4-F-48SB        | 34 | B4-F-48SB-1 | 33 | B5-F-48SB        | 39 | B5-F-48SB-1 | 38 | 57                  | 59 | 51 3/8 |

| Belt Width | Standard Dimensions |       |        |       |
|------------|---------------------|-------|--------|-------|
|            | A                   | B     | C      | D     |
| 24         | 33                  | 6     | 35     | 8     |
| 30         | 39                  | 6     | 41     | 8     |
| 36         | 45                  | 6     | 47     | 8     |
| 42         | 51                  | 7 1/2 | 53 1/2 | 9 1/2 |
| 48         | 57                  | 7 1/2 | 59 1/2 | 9 1/2 |

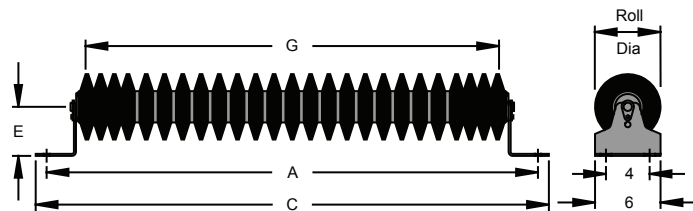


### 20° UNEQUAL TROUGHER

| Belt Width | 4" Roll Diameter |         |          |       |    | 5" Roll Diameter |        |         |       |    | G       | Gw     |
|------------|------------------|---------|----------|-------|----|------------------|--------|---------|-------|----|---------|--------|
|            | Part Number      | E       | H        | K     | WT | Part Number      | E      | H       | K     | WT |         |        |
| 24         | B4-20TUI-24SB    | 8 11/16 | 24 15/16 | 7     | 46 | B5-20TUI-24SB    | 9 1/16 | 24 9/16 | 7 1/2 | 54 | 13 5/16 | 3 5/16 |
| 30         | B4-20TUI-30SB    | 8 11/16 | 30 7/8   | 7     | 55 | B5-20TUI-30SB    | 9 1/16 | 30 1/2  | 7 1/2 | 61 | 19 1/4  | 3 5/16 |
| 36         | B4-20TUI-36SB    | 8 11/16 | 36 7/8   | 7     | 62 | B5-20TUI-36SB    | 9 1/16 | 36 1/2  | 7 1/2 | 68 | 25 1/4  | 3 5/16 |
| 42         | B4-20TUI-42SB    | 9 3/16  | 42 7/8   | 7 1/2 | 75 | B5-20TUI-42SB    | 9 9/16 | 42 1/2  | 8     | 80 | 31 1/4  | 3 5/16 |
| 48         | B4-20TUI-48SB    | 9 3/16  | 48 7/8   | 7 1/2 | 85 | B5-20TUI-48SB    | 9 9/16 | 48 1/2  | 8     | 99 | 37 1/4  | 3 5/16 |

### 35° UNEQUAL TROUGHER

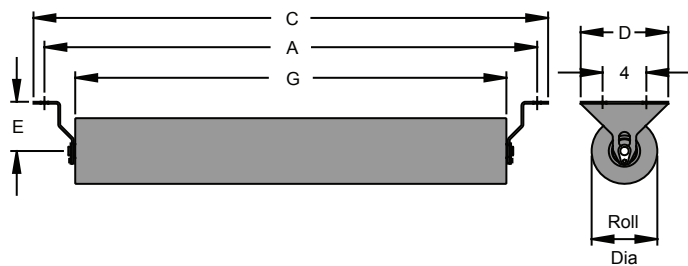
| Belt Width | 4" Roll Diameter |        |          |       |    | 5" Roll Diameter |        |          |       |    | G       | Gw      |
|------------|------------------|--------|----------|-------|----|------------------|--------|----------|-------|----|---------|---------|
|            | Part Number      | E      | H        | K     | WT | Part Number      | E      | H        | K     | WT |         |         |
| 24         | B4-35TUI-24SB    | 10 3/8 | 23 11/16 | 7     | 47 | B5-35TUI-24SB    | 10 3/4 | 23 1/8   | 7 1/2 | 51 | 11 1/8  | 4 5/8   |
| 30         | B4-35TUI-30SB    | 11 5/8 | 29 1/2   | 7     | 58 | B5-35TUI-30SB    | 12     | 28 15/16 | 7 1/2 | 63 | 13 5/16 | 6 13/16 |
| 36         | B4-35TUI-36SB    | 11 5/8 | 35 3/8   | 7     | 66 | B5-35TUI-36SB    | 12     | 34 13/16 | 7 1/2 | 70 | 19 1/4  | 6 13/16 |
| 42         | B4-35TUI-42SB    | 13 3/8 | 38 7/16  | 7 1/2 | 79 | B5-35TUI-42SB    | 13 3/4 | 39       | 8     | 91 | 19 1/4  | 9       |
| 48         | B4-35TUI-48SB    | 13 3/8 | 45       | 7 1/2 | 93 | B5-35TUI-48SB    | 13 3/4 | 44 1/4   | 8     | 99 | 25 1/4  | 9       |



### FLAT CARRIER RUBBER DISC

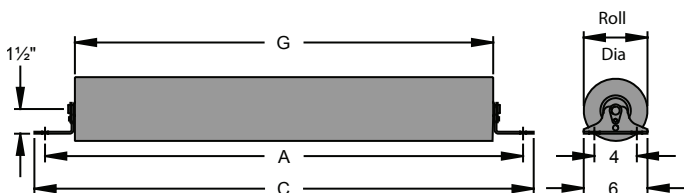
| Belt Width | 4" Roll Diameter |    |               |    | 5" Roll Diameter |    |               |    | Standard Dimensions |    |        |
|------------|------------------|----|---------------|----|------------------|----|---------------|----|---------------------|----|--------|
|            | E=4 1/2"         |    | E=1 1/2"      |    | E=4 1/2"         |    | E=1 1/2"      |    | A                   | C  | G      |
|            | Part Number      | WT | Part Number   | WT | Part Number      | WT | Part Number   | WT |                     |    |        |
| 14         | B4-FRD-14SB      | 20 | B4-FRD-14SB-1 | 19 | B5-FRD-14SB      | 27 | B5-FRD-14SB-1 | 26 | 23                  | 25 | 15 1/4 |
| 16         | B4-FRD-16SB      | 22 | B4-FRD-16SB-1 | 21 | B5-FRD-16SB      | 29 | B5-FRD-16SB-1 | 28 | 25                  | 27 | 17 1/4 |
| 18         | B4-FRD-18SB      | 23 | B4-FRD-18SB-1 | 22 | B5-FRD-18SB      | 31 | B5-FRD-18SB-1 | 30 | 27                  | 29 | 19 1/4 |
| 20         | B4-FRD-20SB      | 25 | B4-FRD-20SB-1 | 24 | B5-FRD-20SB      | 33 | B5-FRD-20SB-1 | 32 | 29                  | 31 | 21 1/4 |
| 24         | B4-FRD-24SB      | 28 | B4-FRD-24SB-1 | 27 | B5-FRD-24SB      | 36 | B5-FRD-24SB-1 | 35 | 33                  | 35 | 25 1/4 |
| 30         | B4-FRD-30SB      | 33 | B4-FRD-30SB-1 | 32 | B5-FRD-30SB      | 43 | B5-FRD-30SB-1 | 42 | 39                  | 41 | 31 1/4 |
| 36         | B4-FRD-36SB      | 39 | B4-FRD-36SB-1 | 38 | B5-FRD-36SB      | 50 | B5-FRD-36SB-1 | 49 | 45                  | 47 | 37 1/4 |
| 42         | B4-FRD-42SB      | 44 | B4-FRD-42SB-1 | 43 | B5-FRD-42SB      | 57 | B5-FRD-42SB-1 | 56 | 51                  | 53 | 43 1/4 |
| 48         | B4-FRD-48SB      | 50 | B4-FRD-48SB-1 | 49 | B5-FRD-48SB      | 63 | B5-FRD-48SB-1 | 62 | 57                  | 59 | 49 1/4 |

# CEMA B RETURN & CHANNEL INSET FLAT CARRIER



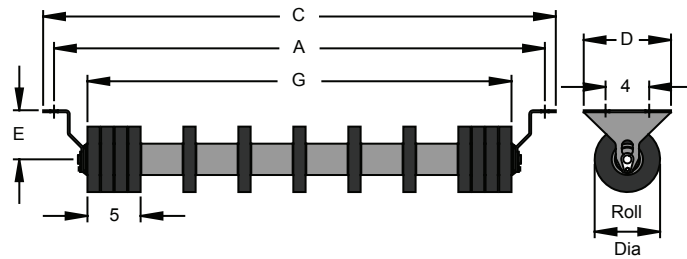
## RETURN

| Belt Width | 4" Roll Diameter |   |    |             |   |    | 5" Roll Diameter |   |    |             |   |    | Standard Dimensions |    |        |
|------------|------------------|---|----|-------------|---|----|------------------|---|----|-------------|---|----|---------------------|----|--------|
|            | E=4½"            |   |    | E=1½"       |   |    | E=4½"            |   |    | E=1½"       |   |    |                     |    |        |
|            | Part Number      | D | WT | Part Number | D | WT | Part Number      | D | WT | Part Number | D | WT | A                   | C  | G      |
| 14         | B4-R-14SB        | 8 | 14 | B4-R-14SB-1 | 6 | 13 | B5-R-14SB        | 8 | 17 | B5-R-14SB-1 | 6 | 16 | 23                  | 25 | 17 3/8 |
| 16         | B4-R-16SB        | 8 | 15 | B4-R-16SB-1 | 6 | 14 | B5-R-16SB        | 8 | 18 | B5-R-16SB-1 | 6 | 17 | 25                  | 27 | 19 3/8 |
| 18         | B4-R-18SB        | 8 | 16 | B4-R-18SB-1 | 6 | 15 | B5-R-18SB        | 8 | 19 | B5-R-18SB-1 | 6 | 18 | 27                  | 29 | 21 3/8 |
| 20         | B4-R-20SB        | 8 | 17 | B4-R-20SB-1 | 6 | 16 | B5-R-20SB        | 8 | 20 | B5-R-20SB-1 | 6 | 19 | 29                  | 31 | 23 3/8 |
| 24         | B4-R-24SB        | 8 | 19 | B4-R-24SB-1 | 6 | 18 | B5-R-24SB        | 8 | 23 | B5-R-24SB-1 | 6 | 22 | 33                  | 35 | 27 3/8 |
| 30         | B4-R-30SB        | 8 | 22 | B4-R-30SB-1 | 6 | 21 | B5-R-30SB        | 8 | 26 | B5-R-30SB-1 | 6 | 25 | 39                  | 41 | 33 3/8 |
| 36         | B4-R-36SB        | 8 | 25 | B4-R-36SB-1 | 6 | 24 | B5-R-36SB        | 8 | 30 | B5-R-36SB-1 | 6 | 29 | 45                  | 47 | 39 3/8 |
| 42         | B4-R-42SB        | 8 | 28 | B4-R-42SB-1 | 6 | 27 | B5-R-42SB        | 8 | 33 | B5-R-42SB-1 | 6 | 32 | 51                  | 53 | 45 3/8 |
| 48         | B4-R-48SB        | 8 | 31 | B4-R-48SB-1 | 6 | 30 | B5-R-48SB        | 8 | 37 | B5-R-48SB-1 | 6 | 36 | 57                  | 59 | 51 3/8 |



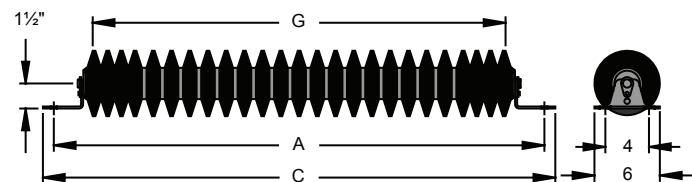
## CHANNEL INSET FLAT CARRIER

| Belt Width | 4" Roll Diameter |    | 5" Roll Diameter |    | Standard Dimensions |    |        |
|------------|------------------|----|------------------|----|---------------------|----|--------|
|            | Part Number      | WT | Part Number      | WT | A                   | C  | G      |
| 14         | B4-CIF-14SB      | 14 | B5-CIF-14SB      | 16 | 22                  | 24 | 16 1/2 |
| 16         | B4-CIF-16SB      | 15 | B5-CIF-16SB      | 17 | 24                  | 26 | 18 1/2 |
| 18         | B4-CIF-18SB      | 16 | B5-CIF-18SB      | 18 | 26                  | 28 | 20 1/2 |
| 20         | B4-CIF-20SB      | 17 | B5-CIF-20SB      | 19 | 28                  | 30 | 22 1/2 |
| 24         | B4-CIF-24SB      | 19 | B5-CIF-24SB      | 22 | 32                  | 34 | 26 1/2 |
| 30         | B4-CIF-30SB      | 22 | B5-CIF-30SB      | 26 | 38                  | 40 | 32 1/2 |
| 36         | B4-CIF-36SB      | 25 | B5-CIF-36SB      | 29 | 44                  | 46 | 38 1/2 |
| 42         | B4-CIF-42SB      | 27 | B5-CIF-42SB      | 33 | 50                  | 52 | 44 1/2 |
| 48         | B4-CIF-48SB      | 31 | B5-CIF-48SB      | 36 | 56                  | 58 | 50 1/2 |



### RETURN RUBBER DISC

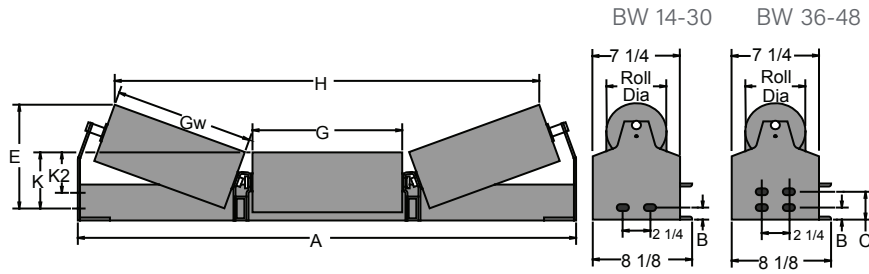
| Belt Width | 4" Roll Diameter |   |    |               |   |    | 5" Roll Diameter |   |    |               |   |    | Standard Dimensions |    |        |
|------------|------------------|---|----|---------------|---|----|------------------|---|----|---------------|---|----|---------------------|----|--------|
|            | E=4½"            |   |    | E=1½"         |   |    | E=4½"            |   |    | E=1½"         |   |    |                     |    |        |
|            | Part Number      | D | WT | Part Number   | D | WT | Part Number      | D | WT | Part Number   | D | WT | A                   | C  | G      |
| 14         | B4-RRD-14SB      | 8 | 18 | B4-RRD-14SB-1 | 6 | 17 | B5-RRD-14SB      | 8 | 22 | B5-RRD-14SB-1 | 6 | 21 | 23                  | 25 | 16 1/4 |
| 16         | B4-RRD-16SB      | 8 | 20 | B4-RRD-16SB-1 | 6 | 19 | B5-RRD-16SB      | 8 | 24 | B5-RRD-16SB-1 | 6 | 23 | 25                  | 27 | 18 1/4 |
| 18         | B4-RRD-18SB      | 8 | 21 | B4-RRD-18SB-1 | 6 | 20 | B5-RRD-18SB      | 8 | 25 | B5-RRD-18SB-1 | 6 | 24 | 27                  | 29 | 20 1/4 |
| 20         | B4-RRD-20SB      | 8 | 22 | B4-RRD-20SB-1 | 6 | 21 | B5-RRD-20SB      | 8 | 26 | B5-RRD-20SB-1 | 6 | 25 | 29                  | 31 | 22 1/4 |
| 24         | B4-RRD-24SB      | 8 | 24 | B4-RRD-24SB-1 | 6 | 23 | B5-RRD-24SB      | 8 | 29 | B5-RRD-24SB-1 | 6 | 28 | 33                  | 35 | 26 1/4 |
| 30         | B4-RRD-30SB      | 8 | 28 | B4-RRD-30SB-1 | 6 | 27 | B5-RRD-30SB      | 8 | 33 | B5-RRD-30SB-1 | 6 | 32 | 39                  | 41 | 32 1/4 |
| 36         | B4-RRD-36SB      | 8 | 33 | B4-RRD-36SB-1 | 6 | 32 | B5-RRD-36SB      | 8 | 37 | B5-RRD-36SB-1 | 6 | 36 | 45                  | 47 | 38 1/4 |
| 42         | B4-RRD-42SB      | 8 | 35 | B4-RRD-42SB-1 | 6 | 34 | B5-RRD-42SB      | 8 | 41 | B5-RRD-42SB-1 | 6 | 40 | 51                  | 53 | 44 1/4 |
| 48         | B4-RRD-48SB      | 8 | 39 | B4-RRD-48SB-1 | 6 | 38 | B5-RRD-48SB      | 8 | 45 | B5-RRD-48SB-1 | 6 | 44 | 57                  | 59 | 50 1/4 |



### CHANNEL INSET FLAT IMPACT

| Belt Width | 4" Roll Diameter |    | 5" Roll Diameter |    | Standard Dimensions |    |        |
|------------|------------------|----|------------------|----|---------------------|----|--------|
|            | Part Number      | WT | Part Number      | WT | A                   | C  | G      |
| 14         | B4-CIFRD-14SB    | 17 | B5-CIFRD-14SB    | 23 | 22                  | 24 | 14 3/8 |
| 16         | B4-CIFRD-16SB    | 19 | B5-CIFRD-16SB    | 25 | 24                  | 26 | 16 3/8 |
| 18         | B4-CIFRD-18SB    | 21 | B5-CIFRD-18SB    | 28 | 26                  | 28 | 18 3/8 |
| 20         | B4-CIFRD-20SB    | 23 | B5-CIFRD-20SB    | 31 | 28                  | 30 | 20 3/8 |
| 24         | B4-CIFRD-24SB    | 26 | B5-CIFRD-24SB    | 34 | 32                  | 34 | 24 3/8 |
| 30         | B4-CIFRD-30SB    | 32 | B5-CIFRD-30SB    | 41 | 38                  | 40 | 30 3/8 |
| 36         | B4-CIFRD-36SB    | 37 | B5-CIFRD-36SB    | 48 | 44                  | 46 | 36 3/8 |
| 42         | B4-CIFRD-42SB    | 43 | B5-CIFRD-42SB    | 55 | 50                  | 52 | 42 3/8 |
| 48         | B4-CIFRD-48SB    | 48 | B5-CIFRD-48SB    | 62 | 56                  | 58 | 48 3/8 |

# CEMA B CHANNEL INSET TROUGH



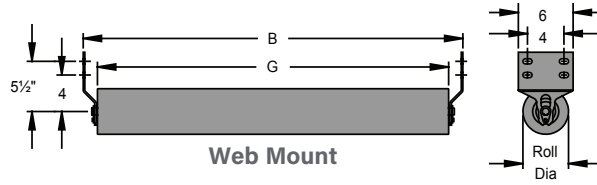
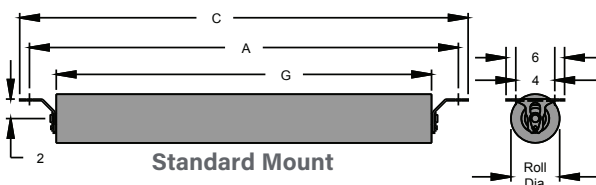
| Belt Width | Standard Dimensions |      |        |        |        |
|------------|---------------------|------|--------|--------|--------|
|            | A                   | B    | C      | G      | Gw     |
| 14         | 19 5/8              | 15/8 | -      | 5      | 4      |
| 16         | 21 5/8              | 15/8 | -      | 5 3/4  | 4 3/4  |
| 18         | 23 5/8              | 15/8 | -      | 6 1/2  | 5 1/2  |
| 20         | 25 5/8              | 15/8 | -      | 7 1/8  | 6 1/8  |
| 24         | 29 5/8              | 15/8 | -      | 8 1/2  | 7 1/2  |
| 30         | 35 5/8              | 15/8 | -      | 10 1/2 | 9 1/2  |
| 36         | 41 5/8              | 1    | 2 5/16 | 12 1/2 | 11 1/2 |
| 42         | 47 5/8              | 1    | 2 5/16 | 18 1/2 | 11 1/2 |
| 48         | 53 5/8              | 1    | 2 5/16 | 24 1/2 | 11 1/2 |

## 20° CHANNEL INSET TROUGH

| Belt Width | 4" Roll Diameter |         |          |       |         |    | 5" Roll Diameter |         |         |       |        |    |
|------------|------------------|---------|----------|-------|---------|----|------------------|---------|---------|-------|--------|----|
|            | Part Number      | E       | H        | K     | K2      | WT | Part Number      | E       | H       | K     | K2     | WT |
| 14         | B4-20CIT-14SB    | 4 3/4   | 13 13/16 | 3 3/8 | -       | 22 | B5-20CIT-14SB    | 5 1/4   | 13 7/16 | 3 7/8 | -      | 24 |
| 16         | B4-20CIT-16SB    | 5 1/16  | 15 15/16 | 3 3/8 | -       | 23 | B5-20CIT-16SB    | 5 1/2   | 15 5/8  | 3 7/8 | -      | 26 |
| 18         | B4-20CIT-18SB    | 5 1/4   | 18 1/16  | 3 3/8 | -       | 25 | B5-20CIT-18SB    | 5 3/4   | 17 3/4  | 3 7/8 | -      | 28 |
| 20         | B4-20CIT-20SB    | 5 1/2   | 19 7/8   | 3 3/8 | -       | 27 | B5-20CIT-20SB    | 5 15/16 | 19 9/16 | 3 7/8 | -      | 30 |
| 24         | B4-20CIT-24SB    | 5 15/16 | 23 7/8   | 3 3/8 | -       | 31 | B5-20CIT-24SB    | 6 7/16  | 23 1/2  | 3 7/8 | -      | 34 |
| 30         | B4-20CIT-30SB    | 6 11/16 | 29 5/8   | 3 3/8 | -       | 36 | B5-20CIT-30SB    | 7 1/8   | 29 1/4  | 3 7/8 | -      | 40 |
| 36         | B4-20CIT-36SB    | 8       | 35 3/8   | 4     | 2 11/16 | 41 | B5-20CIT-36SB    | 8 7/16  | 35 1/16 | 4 1/2 | 3 3/16 | 46 |
| 42         | B4-20CIT-42SB    | 8       | 41 3/8   | 4     | 2 11/16 | 46 | B5-20CIT-42SB    | 8 7/16  | 41 1/16 | 4 1/2 | 3 3/16 | 52 |
| 48         | B4-20CIT-48SB    | 8       | 47 3/8   | 4     | 2 11/16 | 51 | B5-20CIT-48SB    | 8 7/16  | 47 1/16 | 4 1/2 | 3 3/16 | 57 |

## 35° CHANNEL INSET TROUGH

| Belt Width | 4" Roll Diameter |         |          |       |         |    | 5" Roll Diameter |         |          |       |       |    |
|------------|------------------|---------|----------|-------|---------|----|------------------|---------|----------|-------|-------|----|
|            | Part Number      | E       | H        | K     | K2      | WT | Part Number      | E       | H        | K     | K2    | WT |
| 14         | B4-35CIT-14SB    | 5 11/16 | 12 11/16 | 3 3/8 | -       | 22 | B5-35CIT-14SB    | 6 1/8   | 12 1/8   | 3 7/8 | -     | 25 |
| 16         | B4-35CIT-16SB    | 6 1/8   | 14 11/16 | 3 3/8 | -       | 24 | B5-35CIT-16SB    | 6 1/2   | 14 1/8   | 3 7/8 | -     | 27 |
| 18         | B4-35CIT-18SB    | 6 9/16  | 16 5/8   | 3 3/8 | -       | 26 | B5-35CIT-18SB    | 6 15/16 | 16 1/16  | 3 7/8 | -     | 29 |
| 20         | B4-35CIT-20SB    | 6 15/16 | 18 5/16  | 3 3/8 | -       | 28 | B5-35CIT-20SB    | 7 3/8   | 17 3/4   | 3 7/8 | -     | 31 |
| 24         | B4-35CIT-24SB    | 7 3/4   | 21 15/16 | 3 3/8 | -       | 32 | B5-35CIT-24SB    | 8 1/8   | 21 5/16  | 3 7/8 | -     | 35 |
| 30         | B4-35CIT-30SB    | 8 7/8   | 27 3/16  | 3 3/8 | -       | 37 | B5-35CIT-30SB    | 9 1/4   | 26 5/8   | 3 7/8 | -     | 41 |
| 36         | B4-35CIT-36SB    | 10 5/8  | 32 1/2   | 4     | 2 11/16 | 43 | B5-35CIT-36SB    | 11 1/16 | 31 15/16 | 4 1/2 | 7 1/2 | 47 |
| 42         | B4-35CIT-42SB    | 10 5/8  | 38 1/2   | 4     | 2 11/16 | 47 | B5-35CIT-42SB    | 11 1/16 | 37 15/16 | 4 1/2 | 8     | 52 |
| 48         | B4-35CIT-48SB    | 10 5/8  | 44 1/2   | 4     | 2 11/16 | 52 | B5-35CIT-48SB    | 11 1/16 | 43 15/16 | 4 1/2 | 8     | 58 |

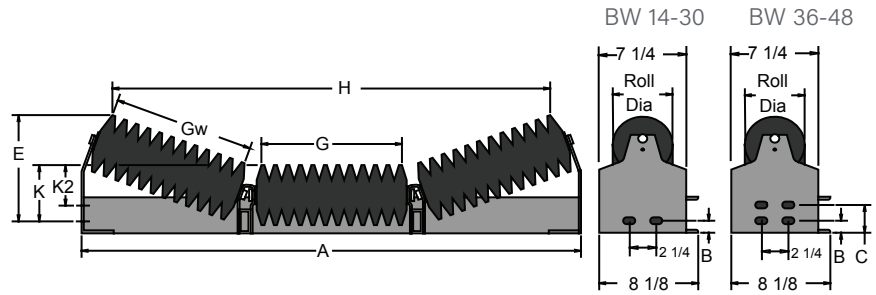


## CHANNEL INSET RETURN

| Belt Width | Standard Mount   |    |                  |    | Web Mount        |    |                  |    | Standard Dimensions |        |    |        |
|------------|------------------|----|------------------|----|------------------|----|------------------|----|---------------------|--------|----|--------|
|            | 4" Roll Diameter |    | 5" Roll Diameter |    | 4" Roll Diameter |    | 5" Roll Diameter |    |                     |        |    |        |
|            | Part Number      | WT | Part Number      | WT | Part Number      | WT | Part Number      | WT | A                   | B      | C  | G      |
| 14         | B4-CIR-14SB      | 15 | B5-CIR-14SB      | 18 | B4-CIRW-14SB     | 16 | B5-CIRW-14SB     | 19 | 22                  | 19 5/8 | 24 | 16 1/2 |
| 16         | B4-CIR-16SB      | 16 | B5-CIR-16SB      | 19 | B4-CIRW-16SB     | 17 | B5-CIRW-16SB     | 20 | 24                  | 21 5/8 | 26 | 18 1/2 |
| 18         | B4-CIR-18SB      | 17 | B5-CIR-18SB      | 20 | B4-CIRW-18SB     | 18 | B5-CIRW-18SB     | 21 | 26                  | 23 5/8 | 28 | 20 1/2 |
| 20         | B4-CIR-20SB      | 18 | B5-CIR-20SB      | 21 | B4-CIRW-20SB     | 19 | B5-CIRW-20SB     | 22 | 28                  | 25 5/8 | 30 | 22 1/2 |
| 24         | B4-CIR-24SB      | 20 | B5-CIR-24SB      | 23 | B4-CIRW-24SB     | 21 | B5-CIRW-24SB     | 24 | 32                  | 29 5/8 | 34 | 26 1/2 |
| 30         | B4-CIR-30SB      | 23 | B5-CIR-30SB      | 27 | B4-CIRW-30SB     | 24 | B5-CIRW-30SB     | 28 | 38                  | 35 5/8 | 40 | 32 1/2 |
| 36         | B4-CIR-36SB      | 26 | B5-CIR-36SB      | 30 | B4-CIRW-36SB     | 27 | B5-CIRW-36SB     | 31 | 44                  | 41 5/8 | 46 | 38 1/2 |
| 42         | B4-CIR-42SB      | 29 | B5-CIR-42SB      | 34 | B4-CIRW-42SB     | 30 | B5-CIRW-42SB     | 35 | 50                  | 47 5/8 | 52 | 44 1/2 |
| 48         | B4-CIR-48SB      | 31 | B5-CIR-48SB      | 37 | B4-CIRW-48SB     | 32 | B5-CIRW-48SB     | 38 | 56                  | 53 5/8 | 58 | 50 1/2 |



| Belt Width | Standard Dimensions |      |        |        |        |
|------------|---------------------|------|--------|--------|--------|
|            | A                   | B    | C      | G      | Gw     |
| 14         | 19 5/8              | 15/8 | -      | 27/8   | 27/8   |
| 16         | 21 5/8              | 15/8 | -      | 35/8   | 35/8   |
| 18         | 23 5/8              | 15/8 | -      | 43/8   | 43/8   |
| 20         | 25 5/8              | 15/8 | -      | 5      | 5      |
| 24         | 29 5/8              | 15/8 | -      | 6 3/8  | 6 3/8  |
| 30         | 35 5/8              | 15/8 | -      | 8 3/8  | 8 3/8  |
| 36         | 41 5/8              | 1    | 2 5/16 | 10 3/8 | 10 3/8 |
| 42         | 47 5/8              | 1    | 2 5/16 | 16 3/8 | 10 3/8 |
| 48         | 53 5/8              | 1    | 2 5/16 | 22 3/8 | 10 3/8 |

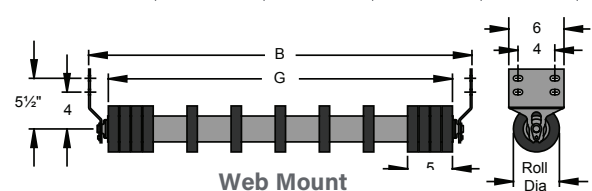
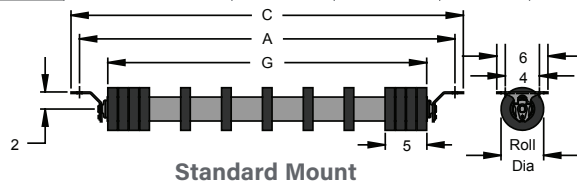


### 20° CHANNEL INSET IMPACT TROUGHER

| Belt Width | 4" Roll Diameter |         |          |       |         |    | 5" Roll Diameter |         |         |       |        |    |
|------------|------------------|---------|----------|-------|---------|----|------------------|---------|---------|-------|--------|----|
|            | Part Number      | E       | H        | K     | K2      | WT | Part Number      | E       | H       | K     | K2     | WT |
| 14         | B4-20CITI-14SB   | 4 3/4   | 13 13/16 | 3 3/8 | -       | 26 | B5-20CITI-14SB   | 5 1/4   | 13 7/16 | 3 7/8 | -      | 29 |
| 16         | B4-20CITI-16SB   | 5 1/16  | 15 15/16 | 3 3/8 | -       | 27 | B5-20CITI-16SB   | 5 1/2   | 15 5/8  | 3 7/8 | -      | 30 |
| 18         | B4-20CITI-18SB   | 5 1/4   | 18 1/16  | 3 3/8 | -       | 31 | B5-20CITI-18SB   | 5 3/4   | 17 3/4  | 3 7/8 | -      | 35 |
| 20         | B4-20CITI-20SB   | 5 1/2   | 19 7/8   | 3 3/8 | -       | 35 | B5-20CITI-20SB   | 5 15/16 | 19 9/16 | 3 7/8 | -      | 40 |
| 24         | B4-20CITI-24SB   | 5 15/16 | 23 7/8   | 3 3/8 | -       | 40 | B5-20CITI-24SB   | 6 7/16  | 23 1/2  | 3 7/8 | -      | 46 |
| 30         | B4-20CITI-30SB   | 6 11/16 | 29 5/8   | 3 3/8 | -       | 48 | B5-20CITI-30SB   | 7 1/8   | 29 1/4  | 3 7/8 | -      | 54 |
| 36         | B4-20CITI-36SB   | 8       | 35 3/8   | 4     | 2 11/16 | 57 | B5-20CITI-36SB   | 8 7/16  | 35 1/16 | 4 1/2 | 3 3/16 | 65 |
| 42         | B4-20CITI-42SB   | 8       | 41 3/8   | 4     | 2 11/16 | 63 | B5-20CITI-42SB   | 8 7/16  | 41 1/16 | 4 1/2 | 3 3/16 | 73 |
| 48         | B4-20CITI-48SB   | 8       | 47 3/8   | 4     | 2 11/16 | 72 | B5-20CITI-48SB   | 8 7/16  | 47 1/16 | 4 1/2 | 3 3/16 | 83 |

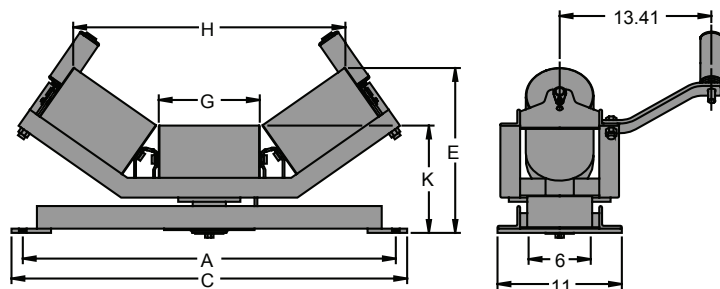
### 35° CHANNEL INSET IMPACT TROUGHER

| Belt Width | 4" Roll Diameter |         |          |       |         |    | 5" Roll Diameter |         |          |       |       |    |
|------------|------------------|---------|----------|-------|---------|----|------------------|---------|----------|-------|-------|----|
|            | Part Number      | E       | H        | K     | K2      | WT | Part Number      | E       | H        | K     | K2    | WT |
| 14         | B4-35CITI-14SB   | 5 11/16 | 12 11/16 | 3 3/8 | -       | 27 | B5-35CITI-14SB   | 6 1/8   | 12 1/8   | 3 7/8 | -     | 30 |
| 16         | B4-35CITI-16SB   | 6 1/8   | 14 11/16 | 3 3/8 | -       | 28 | B5-35CITI-16SB   | 6 1/2   | 14 1/8   | 3 7/8 | -     | 31 |
| 18         | B4-35CITI-18SB   | 6 9/16  | 16 5/8   | 3 3/8 | -       | 33 | B5-35CITI-18SB   | 6 15/16 | 16 1/16  | 3 7/8 | -     | 36 |
| 20         | B4-35CITI-20SB   | 6 15/16 | 18 5/16  | 3 3/8 | -       | 36 | B5-35CITI-20SB   | 7 3/8   | 17 3/4   | 3 7/8 | -     | 41 |
| 24         | B4-35CITI-24SB   | 7 3/4   | 21 15/16 | 3 3/8 | -       | 42 | B5-35CITI-24SB   | 8 1/8   | 21 5/16  | 3 7/8 | -     | 48 |
| 30         | B4-35CITI-30SB   | 8 7/8   | 27 3/16  | 3 3/8 | -       | 49 | B5-35CITI-30SB   | 9 1/4   | 26 5/8   | 3 7/8 | -     | 56 |
| 36         | B4-35CITI-36SB   | 10 5/8  | 32 1/2   | 4     | 2 11/16 | 59 | B5-35CITI-36SB   | 11 1/16 | 31 15/16 | 4 1/2 | 7 1/2 | 67 |
| 42         | B4-35CITI-42SB   | 10 5/8  | 38 1/2   | 4     | 2 11/16 | 65 | B5-35CITI-42SB   | 11 1/16 | 37 15/16 | 4 1/2 | 8     | 75 |
| 48         | B4-35CITI-48SB   | 10 5/8  | 44 1/2   | 4     | 2 11/16 | 74 | B5-35CITI-48SB   | 11 1/16 | 43 15/16 | 4 1/2 | 8     | 85 |



### CHANNEL INSET RETURN RUBBER DISC

| Belt Width | Standard Mount   |    |                  |    | Web Mount        |    |                  |    | Standard Dimensions |        |    |        |
|------------|------------------|----|------------------|----|------------------|----|------------------|----|---------------------|--------|----|--------|
|            | 4" Roll Diameter |    | 5" Roll Diameter |    | 4" Roll Diameter |    | 5" Roll Diameter |    | A                   | B      | C  | G      |
|            | Part Number      | WT | Part Number      | WT | Part Number      | WT | Part Number      | WT |                     |        |    |        |
| 14         | B4-CIRRD-14SB    | 17 | B5-CIRRD-14SB    | 23 | B4-CIRRDW-14SB   | 18 | B5-CIRRDW-14SB   | 24 | 22                  | 19 5/8 | 24 | 15 3/8 |
| 16         | B4-CIRRD-16SB    | 18 | B5-CIRRD-16SB    | 25 | B4-CIRRDW-16SB   | 19 | B5-CIRRDW-16SB   | 26 | 24                  | 21 5/8 | 26 | 17 3/8 |
| 18         | B4-CIRRD-18SB    | 19 | B5-CIRRD-18SB    | 26 | B4-CIRRDW-18SB   | 20 | B5-CIRRDW-18SB   | 27 | 26                  | 23 5/8 | 28 | 19 3/8 |
| 20         | B4-CIRRD-20SB    | 20 | B5-CIRRD-20SB    | 27 | B4-CIRRDW-20SB   | 21 | B5-CIRRDW-20SB   | 28 | 28                  | 25 5/8 | 30 | 21 3/8 |
| 24         | B4-CIRRD-24SB    | 22 | B5-CIRRD-24SB    | 30 | B4-CIRRDW-24SB   | 23 | B5-CIRRDW-24SB   | 31 | 32                  | 29 5/8 | 34 | 25 3/8 |
| 30         | B4-CIRRD-30SB    | 27 | B5-CIRRD-30SB    | 34 | B4-CIRRDW-30SB   | 28 | B5-CIRRDW-30SB   | 35 | 38                  | 35 5/8 | 40 | 31 3/8 |
| 36         | B4-CIRRD-36SB    | 30 | B5-CIRRD-36SB    | 37 | B4-CIRRDW-36SB   | 31 | B5-CIRRDW-36SB   | 38 | 44                  | 41 5/8 | 46 | 37 3/8 |
| 42         | B4-CIRRD-42SB    | 34 | B5-CIRRD-42SB    | 41 | B4-CIRRDW-42SB   | 35 | B5-CIRRDW-42SB   | 42 | 50                  | 47 5/8 | 52 | 43 3/8 |
| 48         | B4-CIRRD-48SB    | 37 | B5-CIRRD-48SB    | 45 | B4-CIRRDW-48SB   | 38 | B5-CIRRDW-48SB   | 46 | 56                  | 53 5/8 | 58 | 49 3/8 |



| Belt Width | Standard Dimensions |    |         |
|------------|---------------------|----|---------|
|            | A                   | C  | G*      |
| 14         | 23                  | 25 | 5 7/16  |
| 16         | 25                  | 27 | 6 3/4   |
| 18         | 27                  | 29 | 6 3/4   |
| 20         | 29                  | 31 | 7 5/8   |
| 24         | 33                  | 35 | 8 15/16 |
| 30         | 39                  | 41 | 11 1/8  |
| 36         | 45                  | 47 | 13 1/4  |
| 42         | 51                  | 53 | 15 7/16 |
| 48         | 57                  | 59 | 17 5/8  |

### 20° SELF-ALIGNER EQUAL TROUGH

| Belt Width | 4" Roll Diameter |         |          |       |     | 5" Roll Diameter |          |          |       |     |
|------------|------------------|---------|----------|-------|-----|------------------|----------|----------|-------|-----|
|            | Part Number      | E       | H        | K     | WT  | Part Number      | E        | H        | K     | WT  |
| 14         | B4-20TESA-14SB   | 9 9/16  | 16 15/16 | 7 1/2 | 74  | B5-20TESA-14SB   | 10       | 16 9/16  | 8     | 77  |
| 16         | B4-20TESA-16SB   | 9 9/16  | 18 1/4   | 7 1/2 | 76  | B5-20TESA-16SB   | 10       | 17 7/8   | 8     | 80  |
| 18         | B4-20TESA-18SB   | 9 15/16 | 20 11/16 | 7 1/2 | 79  | B5-20TESA-18SB   | 10 7/16  | 20 3/8   | 8     | 83  |
| 20         | B4-20TESA-20SB   | 10 5/16 | 23 1/4   | 7 1/2 | 82  | B5-20TESA-20SB   | 10 3/4   | 22 7/8   | 8     | 86  |
| 24         | B4-20TESA-24SB   | 10 3/4  | 26 15/16 | 7 1/2 | 87  | B5-20TESA-24SB   | 11 3/16  | 26 11/16 | 8     | 92  |
| 30         | B4-20TESA-30SB   | 11 7/16 | 33 5/16  | 7 1/2 | 95  | B5-20TESA-30SB   | 11 15/16 | 32 15/16 | 8     | 100 |
| 36         | B4-20TESA-36SB   | 12 3/16 | 39 7/16  | 7 1/2 | 103 | B5-20TESA-36SB   | 12 11/16 | 39 1/16  | 8     | 109 |
| 42         | B4-20TESA-42SB   | 13 7/16 | 45 3/4   | 8     | 120 | B5-20TESA-42SB   | 13 15/16 | 45 3/8   | 8 1/2 | 126 |
| 48         | B4-20TESA-48SB   | 14 3/16 | 52 1/16  | 8     | 128 | B5-20TESA-48SB   | 14 11/16 | 51 11/16 | 8 1/2 | 136 |

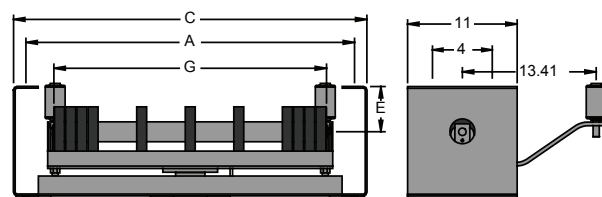
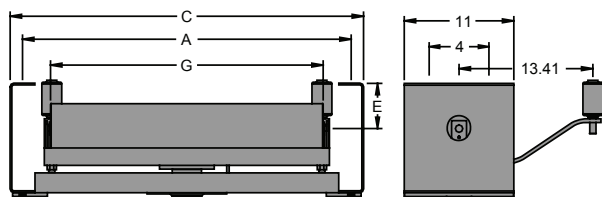
### 35° SELF-ALIGNER EQUAL TROUGH

| Belt Width | 4" Roll Diameter |          |          |       |     | 5" Roll Diameter |         |          |       |     |
|------------|------------------|----------|----------|-------|-----|------------------|---------|----------|-------|-----|
|            | Part Number      | E        | H        | K     | WT  | Part Number      | E       | H        | K     | WT  |
| 14         | B4-35TESA-14SB   | 10 3/4   | 15 1/2   | 7 1/2 | 74  | B5-35TESA-14SB   | 11 3/16 | 14 7/8   | 8     | 77  |
| 16         | B4-35TESA-16SB   | 10 3/4   | 16 13/16 | 7 1/2 | 76  | B5-35TESA-16SB   | 11 3/16 | 16 1/4   | 8     | 79  |
| 18         | B4-35TESA-18SB   | 11 7/16  | 18 15/16 | 7 1/2 | 79  | B5-35TESA-18SB   | 11 7/8  | 18 3/8   | 8     | 82  |
| 20         | B4-35TESA-20SB   | 12       | 21 1/4   | 7 1/2 | 81  | B5-35TESA-20SB   | 12 7/16 | 20 11/16 | 8     | 85  |
| 24         | B4-35TESA-24SB   | 12 3/4   | 24 11/16 | 7 1/2 | 87  | B5-35TESA-24SB   | 13 1/8  | 24 1/8   | 8     | 91  |
| 30         | B4-35TESA-30SB   | 14       | 30 1/2   | 7 1/2 | 91  | B5-35TESA-30SB   | 14 7/16 | 29 7/8   | 8     | 100 |
| 36         | B4-35TESA-36SB   | 15 3/16  | 36 1/8   | 7 1/2 | 102 | B5-35TESA-36SB   | 15 5/8  | 35 1/2   | 8     | 108 |
| 42         | B4-35TESA-42SB   | 16 15/16 | 41 7/8   | 8     | 119 | B5-35TESA-42SB   | 17 3/8  | 41 1/4   | 8 1/2 | 126 |
| 48         | B4-35TESA-48SB   | 18 3/16  | 47 5/8   | 8     | 128 | B5-35TESA-48SB   | 18 5/8  | 47 1/16  | 8 1/2 | 135 |

### 45° SELF-ALIGNER EQUAL TROUGH

| Belt Width | 4" Roll Diameter |          |          |       |     | 5" Roll Diameter |          |          |       |     |
|------------|------------------|----------|----------|-------|-----|------------------|----------|----------|-------|-----|
|            | Part Number      | E        | H        | K     | WT  | Part Number      | E        | H        | K     | WT  |
| 14         | B4-45TESA-14SB   | 11 11/16 | 14 1/8   | 7 1/2 | 76  | B5-45TESA-14SB   | 12       | 13 7/16  | 8     | 80  |
| 16         | B4-45TESA-16SB   | 11 11/16 | 15 7/16  | 7 1/2 | 78  | B5-45TESA-16SB   | 12       | 14 11/16 | 8     | 82  |
| 18         | B4-45TESA-18SB   | 12 5/8   | 17 1/4   | 7 1/2 | 81  | B5-45TESA-18SB   | 12 15/16 | 16 9/16  | 8     | 85  |
| 20         | B4-45TESA-20SB   | 13 3/16  | 19 3/8   | 7 1/2 | 84  | B5-45TESA-20SB   | 13 9/16  | 18 11/16 | 8     | 88  |
| 24         | B4-45TESA-24SB   | 14 1/8   | 22 9/16  | 7 1/2 | 89  | B5-45TESA-24SB   | 14 7/16  | 21 7/8   | 8     | 94  |
| 30         | B4-45TESA-30SB   | 15 11/16 | 27 11/16 | 7 1/2 | 97  | B5-45TESA-30SB   | 16 1/16  | 27 1/8   | 8     | 103 |
| 36         | B4-45TESA-36SB   | 17 3/16  | 32 15/16 | 7 1/2 | 105 | B5-45TESA-36SB   | 17 9/16  | 32 1/4   | 8     | 111 |
| 42         | B4-45TESA-42SB   | 19 3/16  | 38 1/4   | 8     | 121 | B5-45TESA-42SB   | 19 9/16  | 37 9/16  | 8 1/2 | 128 |
| 48         | B4-45TESA-48SB   | 20 3/4   | 43 9/16  | 8     | 130 | B5-45TESA-48SB   | 21 1/8   | 42 13/16 | 8 1/2 | 138 |

\*16" belt width G=6 3/4" for center roll and 5 7/16" for wing roll.

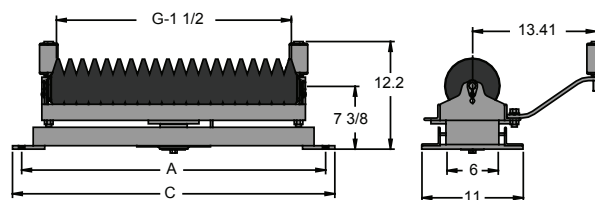
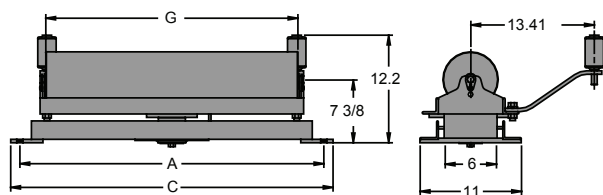


### RETURN SELF-ALIGNER

| Belt Width | 4" Roll Diameter |     |               |     | 5" Roll Diameter |     |               |     | Standard Dimensions |    |        |
|------------|------------------|-----|---------------|-----|------------------|-----|---------------|-----|---------------------|----|--------|
|            | E=4½"            | WT  | E=1½"         | WT  | E=4½"            | WT  | E=1½"         | WT  | A                   | C  | G      |
| 14         | B4-RSA-14SB      | 81  | B4-RSA-14SB-1 | 77  | B5-RSA-14SB      | 83  | B5-RSA-14SB-1 | 80  | 23                  | 25 | 17 3/8 |
| 16         | B4-RSA-16SB      | 83  | B4-RSA-16SB-1 | 80  | B5-RSA-16SB      | 86  | B5-RSA-16SB-1 | 82  | 25                  | 27 | 19 3/8 |
| 18         | B4-RSA-18SB      | 86  | B4-RSA-18SB-1 | 85  | B5-RSA-18SB      | 89  | B5-RSA-18SB-1 | 85  | 27                  | 29 | 21 3/8 |
| 20         | B4-RSA-20SB      | 88  | B4-RSA-20SB-1 | 85  | B5-RSA-20SB      | 91  | B5-RSA-20SB-1 | 88  | 29                  | 31 | 23 3/8 |
| 24         | B4-RSA-24SB      | 93  | B4-RSA-24SB-1 | 90  | B5-RSA-24SB      | 97  | B5-RSA-24SB-1 | 94  | 33                  | 35 | 27 3/8 |
| 30         | B4-RSA-30SB      | 101 | B4-RSA-30SB-1 | 98  | B5-RSA-30SB      | 105 | B5-RSA-30SB-1 | 102 | 39                  | 41 | 33 3/8 |
| 36         | B4-RSA-36SB      | 109 | B4-RSA-36SB-1 | 105 | B5-RSA-36SB      | 114 | B5-RSA-36SB-1 | 110 | 45                  | 47 | 39 3/8 |
| 42         | B4-RSA-42SB      | 122 | B4-RSA-42SB-1 | 119 | B5-RSA-42SB      | 128 | B5-RSA-42SB-1 | 125 | 51                  | 53 | 45 3/8 |
| 48         | B4-RSA-48SB      | 130 | B4-RSA-48SB-1 | 127 | B5-RSA-48SB      | 137 | B5-RSA-48SB-1 | 134 | 57                  | 59 | 51 3/8 |

### RETURN RUBBER DISC SELF-ALIGNER

| Belt Width | 4" Roll Diameter |     |                 |     | 5" Roll Diameter |     |                 |     | Standard Dimensions |    |        |
|------------|------------------|-----|-----------------|-----|------------------|-----|-----------------|-----|---------------------|----|--------|
|            | E=4½"            | WT  | E=1½"           | WT  | E=4½"            | WT  | E=1½"           | WT  | A                   | C  | G      |
| 14         | B4-RRDSA-14SB    | 86  | B4-RRDSA-14SB-1 | 82  | B5-RRDSA-14SB    | 88  | B5-RRDSA-14SB-1 | 85  | 23                  | 25 | 16 1/4 |
| 16         | B4-RRDSA-16SB    | 89  | B4-RRDSA-16SB-1 | 85  | B5-RRDSA-16SB    | 92  | B5-RRDSA-16SB-1 | 89  | 25                  | 27 | 18 1/4 |
| 18         | B4-RRDSA-18SB    | 91  | B4-RRDSA-18SB-1 | 88  | B5-RRDSA-18SB    | 95  | B5-RRDSA-18SB-1 | 91  | 27                  | 29 | 20 1/4 |
| 20         | B4-RRDSA-20SB    | 94  | B4-RRDSA-20SB-1 | 91  | B5-RRDSA-20SB    | 97  | B5-RRDSA-20SB-1 | 94  | 29                  | 31 | 22 1/4 |
| 24         | B4-RRDSA-24SB    | 100 | B4-RRDSA-24SB-1 | 97  | B5-RRDSA-24SB    | 103 | B5-RRDSA-24SB-1 | 100 | 33                  | 35 | 26 1/4 |
| 30         | B4-RRDSA-30SB    | 108 | B4-RRDSA-30SB-1 | 105 | B5-RRDSA-30SB    | 112 | B5-RRDSA-30SB-1 | 109 | 39                  | 41 | 32 1/4 |
| 36         | B4-RRDSA-36SB    | 117 | B4-RRDSA-36SB-1 | 114 | B5-RRDSA-36SB    | 121 | B5-RRDSA-36SB-1 | 118 | 45                  | 47 | 38 1/4 |
| 42         | B4-RRDSA-42SB    | 131 | B4-RRDSA-42SB-1 | 128 | B5-RRDSA-42SB    | 136 | B5-RRDSA-42SB-1 | 132 | 51                  | 53 | 44 1/4 |
| 48         | B4-RRDSA-48SB    | 140 | B4-RRDSA-48SB-1 | 137 | B5-RRDSA-48SB    | 145 | B5-RRDSA-48SB-1 | 142 | 57                  | 59 | 50 1/4 |



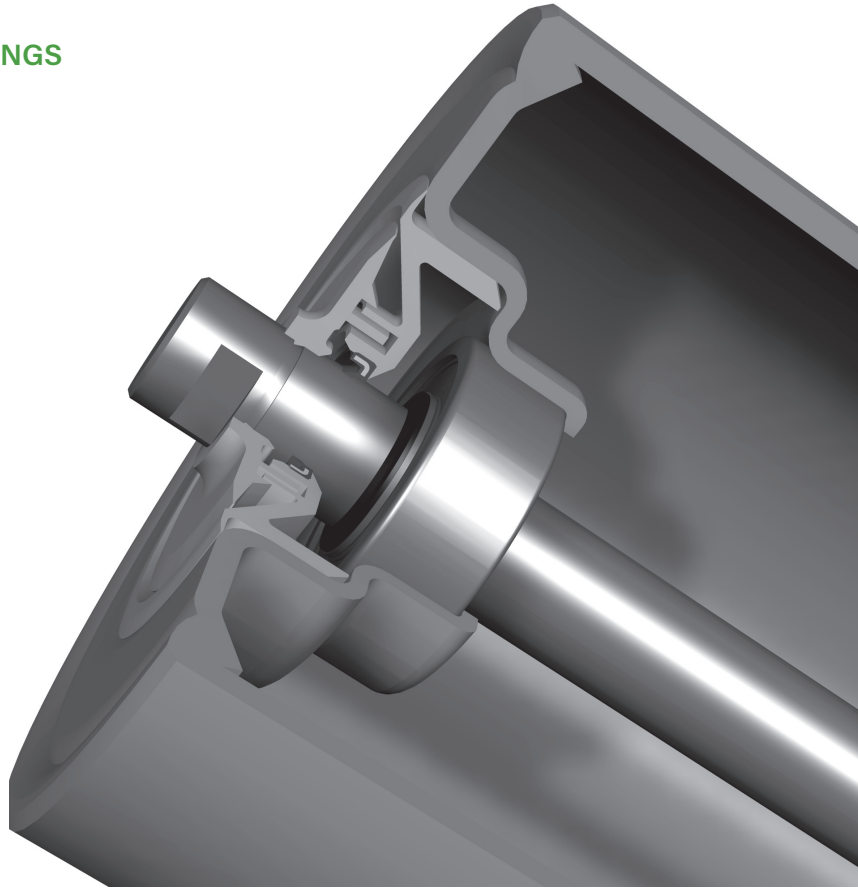
### FLAT CARRIER SELF-ALIGNER

| Belt Width | Steel Rolls      |     |                  |     | Rubber Disc Rolls |     |                  |     | Standard Dimensions |    |        |
|------------|------------------|-----|------------------|-----|-------------------|-----|------------------|-----|---------------------|----|--------|
|            | 4" Roll Diameter |     | 5" Roll Diameter |     | 4" Roll Diameter  |     | 5" Roll Diameter |     | A                   | C  | G      |
|            | Part Number      | WT  | Part Number      | WT  | Part Number       | WT  | Part Number      | WT  |                     |    |        |
| 14         | B4-FSA-14SB      | 64  | B5-FSA-14SB      | 67  | B4-FRDSA-14SB     | 69  | B5-FRDSA-14SB    | 72  | 23                  | 25 | 17 3/8 |
| 16         | B4-FSA-16SB      | 67  | B5-FSA-16SB      | 70  | B4-FRDSA-16SB     | 72  | B5-FRDSA-16SB    | 76  | 25                  | 27 | 19 3/8 |
| 18         | B4-FSA-18SB      | 69  | B5-FSA-18SB      | 72  | B4-FRDSA-18SB     | 75  | B5-FRDSA-18SB    | 79  | 27                  | 29 | 21 3/8 |
| 20         | B4-FSA-20SB      | 72  | B5-FSA-20SB      | 75  | B4-FRDSA-20SB     | 78  | B5-FRDSA-20SB    | 82  | 29                  | 31 | 23 3/8 |
| 24         | B4-FSA-24SB      | 77  | B5-FSA-24SB      | 81  | B4-FRDSA-24SB     | 83  | B5-FRDSA-24SB    | 88  | 33                  | 35 | 27 3/8 |
| 30         | B4-FSA-30SB      | 85  | B5-FSA-30SB      | 89  | B4-FRDSA-30SB     | 93  | B5-FRDSA-30SB    | 99  | 39                  | 41 | 33 3/8 |
| 36         | B4-FSA-36SB      | 92  | B5-FSA-36SB      | 98  | B4-FRDSA-36SB     | 102 | B5-FRDSA-36SB    | 110 | 45                  | 47 | 39 3/8 |
| 42         | B4-FSA-42SB      | 106 | B5-FSA-42SB      | 112 | B4-FRDSA-42SB     | 118 | B5-FRDSA-42SB    | 126 | 51                  | 53 | 45 3/8 |
| 48         | B4-FSA-48SB      | 114 | B5-FSA-48SB      | 121 | B4-FRDSA-48SB     | 128 | B5-FRDSA-48SB    | 138 | 57                  | 59 | 51 3/8 |



### CEMA C CLASS IDLERS PRODUCT OFFERINGS

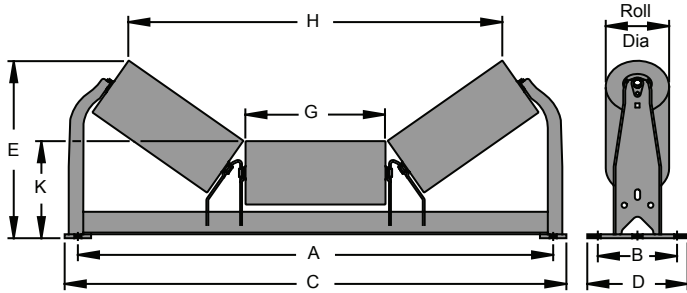
- Equal Trougher
- Equal Impact Trougher
- Unequal Trougher
- Unequal Impact Trougher
- Flat Carrier
- Impact Flat Carrier
- Return Roller
- Return Rubber Disc
- Channel Inset Flat Carrier
- Channel Inset Flat Rubber Disc Carrier
- Channel Inset Trougher
- Channel Inset Return Roller
- Channel Inset Impact Trougher
- Channel Inset Impact Return Roller
- Self-Aligner Trougher
- Self-Aligner Return Roller
- Self-Aligner Flat Roller
- Additional Configurations Available



### CEMA C LOAD RATINGS

| BELT<br>WIDTH | TROUGHING ANGLE |     |     | RETURN<br>& FLAT | TWO-ROLL<br>V-RETURNS | UNEQUAL (Picking) | LIVE<br>SHAFT |
|---------------|-----------------|-----|-----|------------------|-----------------------|-------------------|---------------|
|               | 20°             | 35° | 45° |                  |                       |                   |               |
| 18            | 900             | 900 | 900 | 475              | 500                   | 475               | 1,200         |
| 24            | 900             | 900 | 900 | 325              | 500                   | 475               | 1,200         |
| 30            | 900             | 900 | 900 | 250              | 500                   | 475               | 1,200         |
| 36            | 900             | 837 | 810 | 200              | 500                   | 325               | 1,200         |
| 42            | 850             | 791 | 765 | 150              | 500                   | 250               | 1,100         |
| 48            | 800             | 744 | 720 | 125              | 500                   | 200               | 1,000         |
| 54            | 750             | 698 | 675 | CEMA D           | 500                   | 150               | 875           |
| 60            | 700             | 650 | 630 | CEMA D           | 500                   | 125               | 780           |
| 66            | –               | –   | –   | CEMA D           | 500                   | –                 | –             |

# CEMA C EQUAL TROUGHERS



| Belt Width | Standard Dimensions |       |        |          |         | Wide Base |        |
|------------|---------------------|-------|--------|----------|---------|-----------|--------|
|            | A                   | B     | C      | D        | G       | Aw        | Cw     |
| 18         | 27                  | 6     | 29     | 8        | 6 3/4   | 33        | 35     |
| 20         | 29                  | 6     | 31     | 8        | 7 5/8   | 35        | 37     |
| 24         | 33                  | 6     | 35     | 8        | 8 15/16 | 39        | 41     |
| 30         | 39                  | 6     | 41 1/2 | 9 1/2    | 11 1/8  | 45        | 47 1/2 |
| 36         | 45                  | 6     | 47 1/2 | 9 1/2    | 13 1/4  | 51        | 53 1/2 |
| 42         | 51                  | 7 1/2 | 53 1/2 | 9 1/2    | 15 7/16 | 57        | 59 1/2 |
| 48         | 57                  | 7 1/2 | 59 1/2 | 9 1/2    | 17 5/8  | 63        | 65 1/2 |
| 54         | 63                  | 9     | 65 1/2 | 10 15/16 | 19 3/4  | 69        | 71 1/2 |
| 60         | 69                  | 9     | 71 1/2 | 11       | 21 3/4  | 75        | 77 1/2 |

## 20° EQUAL TROUGHER

| Belt Width | 4" Roll Diameter |          |         |       |    | 5" Roll Diameter |          |          |       |     | 6" Roll Diameter |          |          |       |     |
|------------|------------------|----------|---------|-------|----|------------------|----------|----------|-------|-----|------------------|----------|----------|-------|-----|
|            | Part Number      | E        | H       | K     | WT | Part Number      | E        | H        | K     | WT  | Part Number      | E        | H        | K     | WT  |
| 18         | C4-20TE-18SB     | 10 7/16  | 21 1/16 | 8     | 34 | C5-20TE-18SB     | 10 15/16 | 20 11/16 | 8 1/2 | 39  | C6-20TE-18SB     | 11 3/8   | 20 3/8   | 9     | 45  |
| 20         | C4-20TE-20SB     | 10 3/4   | 23 9/16 | 8     | 37 | C5-20TE-20SB     | 11 1/4   | 23 1/4   | 8 1/2 | 42  | C6-20TE-20SB     | 11 11/16 | 22 7/8   | 9     | 49  |
| 24         | C4-20TE-24SB     | 11 3/16  | 27 3/8  | 8     | 41 | C5-20TE-24SB     | 11 11/16 | 27 1/16  | 8 1/2 | 46  | C6-20TE-24SB     | 12 1/8   | 26 11/16 | 9     | 54  |
| 30         | C4-20TE-30SB     | 12 1/8   | 33 5/8  | 8 1/8 | 49 | C5-20TE-30SB     | 12 9/16  | 33 3/8   | 8 5/8 | 55  | C6-20TE-30SB     | 13 1/16  | 32 15/16 | 9 1/8 | 64  |
| 36         | C4-20TE-36SB     | 12 13/16 | 39 3/4  | 8 1/8 | 56 | C5-20TE-36SB     | 13 5/16  | 39 7/16  | 8 5/8 | 64  | C6-20TE-36SB     | 13 3/4   | 39 1/8   | 9 1/8 | 74  |
| 42         | C4-20TE-42SB     | 13 15/16 | 46 1/16 | 8 1/2 | 73 | C5-20TE-42SB     | 14 7/16  | 45 3/4   | 9     | 81  | C6-20TE-42SB     | 14 7/8   | 45 7/16  | 9 1/2 | 92  |
| 48         | C4-20TE-48SB     | 14 11/16 | 52 3/8  | 8 1/2 | 80 | C5-20TE-48SB     | 15 3/16  | 52 1/16  | 9     | 89  | C6-20TE-48SB     | 15 5/8   | 51 3/4   | 9 1/2 | 102 |
| 54         | C4-20TE-54SB     | 15 7/16  | 58 1/2  | 8 1/2 | 89 | C5-20TE-54SB     | 15 7/8   | 58 3/16  | 9     | 99  | C6-20TE-54SB     | 16 3/8   | 57 13/16 | 9 1/2 | 112 |
| 60         | C4-20TE-60SB     | 16 1/16  | 64 1/4  | 8 1/2 | 96 | C5-20TE-60SB     | 16 9/16  | 63 7/8   | 9     | 106 | C6-20TE-60SB     | 17       | 63 9/16  | 9 1/2 | 121 |

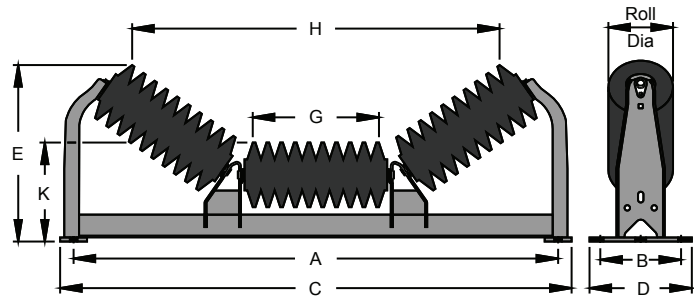
## 35° EQUAL TROUGHER

| Belt Width | 4" Roll Diameter |          |          |       |     | 5" Roll Diameter |          |          |       |     | 6" Roll Diameter |          |          |       |     |
|------------|------------------|----------|----------|-------|-----|------------------|----------|----------|-------|-----|------------------|----------|----------|-------|-----|
|            | Part Number      | E        | H        | K     | WT  | Part Number      | E        | H        | K     | WT  | Part Number      | E        | H        | K     | WT  |
| 18         | C4-35TE-18SB     | 12 1/8   | 19 3/8   | 8     | 35  | C5-35TE-18SB     | 12 9/16  | 18 13/16 | 8 1/2 | 40  | C6-35TE-18SB     | 13 1/16  | 18 1/4   | 9     | 46  |
| 20         | C4-35TE-20SB     | 12 5/8   | 21 11/16 | 8     | 38  | C5-35TE-20SB     | 13 1/16  | 21 1/8   | 8 1/2 | 43  | C6-35TE-20SB     | 13 1/2   | 20 9/16  | 9     | 50  |
| 24         | C4-35TE-24SB     | 13 3/8   | 25 1/8   | 8     | 42  | C5-35TE-24SB     | 13 13/16 | 24 9/16  | 8 1/2 | 48  | C6-35TE-24SB     | 14 1/4   | 24 1/16  | 9     | 55  |
| 30         | C4-35TE-30SB     | 14 3/4   | 30 15/16 | 8 1/8 | 50  | C5-35TE-30SB     | 15 3/16  | 30 3/8   | 8 5/8 | 57  | C6-35TE-30SB     | 15 11/16 | 29 13/16 | 9 1/8 | 66  |
| 36         | C4-35TE-36SB     | 15 15/16 | 36 1/2   | 8 1/8 | 58  | C5-35TE-36SB     | 16 3/8   | 35 15/16 | 8 5/8 | 66  | C6-35TE-36SB     | 16 13/16 | 35 7/16  | 9 1/8 | 75  |
| 42         | C4-35TE-42SB     | 17 5/8   | 42 5/16  | 8 1/2 | 75  | C5-35TE-42SB     | 18 1/16  | 41 3/4   | 9     | 84  | C6-35TE-42SB     | 18 7/16  | 41 3/16  | 9 1/2 | 95  |
| 48         | C4-35TE-48SB     | 18 7/8   | 48 1/16  | 8 1/2 | 83  | C5-35TE-48SB     | 19 5/16  | 47 1/2   | 9     | 92  | C6-35TE-48SB     | 19 11/16 | 46 15/16 | 9 1/2 | 104 |
| 54         | C4-35TE-54SB     | 20 1/8   | 53 11/16 | 8 1/2 | 96  | C5-35TE-54SB     | 20 1/2   | 53 1/8   | 9     | 106 | C6-35TE-54SB     | 20 15/16 | 52 9/16  | 9 1/2 | 120 |
| 60         | C4-35TE-60SB     | 21 1/4   | 58 15/16 | 8 1/2 | 103 | C5-35TE-60SB     | 21 11/16 | 58 3/8   | 9     | 113 | C6-35TE-60SB     | 22 1/16  | 57 7/8   | 9 1/2 | 128 |

## 45° EQUAL TROUGHER

| Belt Width | 4" Roll Diameter |          |          |       |     | 5" Roll Diameter |          |          |       |     | 6" Roll Diameter |          |          |       |     |
|------------|------------------|----------|----------|-------|-----|------------------|----------|----------|-------|-----|------------------|----------|----------|-------|-----|
|            | Part Number      | E        | H        | K     | WT  | Part Number      | E        | H        | K     | WT  | Part Number      | E        | H        | K     | WT  |
| 18         | C4-45TE-18SB     | 13 3/16  | 18 1/8   | 8     | 37  | C5-45TE-18SB     | 13 1/2   | 17 1/2   | 8 1/2 | 42  | C6-45TE-18SB     | 13 7/8   | 16 13/16 | 9     | 48  |
| 20         | C4-45TE-20SB     | 13 3/4   | 20 5/16  | 8     | 39  | C5-45TE-20SB     | 14 1/8   | 19 5/8   | 8 1/2 | 44  | C6-45TE-20SB     | 14 1/2   | 18 15/16 | 9     | 51  |
| 24         | C4-45TE-24SB     | 14 11/16 | 23 3/8   | 8     | 43  | C5-45TE-24SB     | 15 1/16  | 22 3/4   | 8 1/2 | 49  | C6-45TE-24SB     | 15 3/8   | 22 1/8   | 9     | 57  |
| 30         | C4-45TE-30SB     | 16 3/8   | 28 11/16 | 8 1/8 | 52  | C5-45TE-30SB     | 16 3/4   | 28 1/16  | 8 5/8 | 58  | C6-45TE-30SB     | 17 1/16  | 27 3/8   | 9 1/8 | 67  |
| 36         | C4-45TE-36SB     | 17 7/8   | 33 7/8   | 8 1/8 | 59  | C5-45TE-36SB     | 18 3/16  | 33 1/8   | 8 5/8 | 67  | C6-45TE-36SB     | 18 9/16  | 32 5/16  | 9 1/8 | 77  |
| 42         | C4-45TE-42SB     | 19 13/16 | 39 1/8   | 8 1/2 | 75  | C5-45TE-42SB     | 20 1/8   | 38 7/16  | 9     | 84  | C6-45TE-42SB     | 20 1/2   | 37 11/16 | 9 1/2 | 95  |
| 48         | C4-45TE-48SB     | 21 3/8   | 44 7/16  | 8 1/2 | 86  | C5-45TE-48SB     | 21 11/16 | 43 11/16 | 9     | 95  | C6-45TE-48SB     | 22 1/16  | 43 1/16  | 9 1/2 | 108 |
| 54         | C4-45TE-54SB     | 22 7/8   | 49 9/16  | 8 1/2 | 97  | C5-45TE-54SB     | 23 3/16  | 48 13/16 | 9     | 107 | C6-45TE-54SB     | 23 9/16  | 48 1/16  | 9 1/2 | 121 |
| 60         | C4-45TE-60SB     | 24 1/4   | 54 3/8   | 8 1/2 | 104 | C5-45TE-60SB     | 24 5/8   | 53 11/16 | 9     | 114 | C6-45TE-60SB     | 24 15/16 | 53       | 9 1/2 | 129 |

| Belt Width | Standard Dimensions |       |        |          |          | Wide Base |        |
|------------|---------------------|-------|--------|----------|----------|-----------|--------|
|            | A                   | B     | C      | D        | G        | Aw        | Cw     |
| 18         | 27                  | 6     | 29     | 8        | 5 1/4    | 33        | 35     |
| 20         | 29                  | 6     | 31     | 8        | 6 1/8    | 35        | 37     |
| 24         | 33                  | 6     | 35     | 8        | 7 7/16   | 39        | 41     |
| 30         | 39                  | 6     | 41 1/2 | 9 1/2    | 9 5/8    | 45        | 47 1/2 |
| 36         | 45                  | 6     | 47 1/2 | 9 1/2    | 11 3/4   | 51        | 53 1/2 |
| 42         | 51                  | 7 1/2 | 53 1/2 | 9 1/2    | 13 15/16 | 57        | 59 1/2 |
| 48         | 57                  | 7 1/2 | 59 1/2 | 9 1/2    | 16 1/8   | 63        | 65 1/2 |
| 54         | 63                  | 9     | 65 1/2 | 10 15/16 | 18 1/4   | 69        | 71 1/2 |
| 60         | 69                  | 9     | 71 1/2 | 11       | 20 1/4   | 75        | 77 1/2 |

**20° EQUAL IMPACT TROUGHER**

| Belt Width | 4" Roll Diameter |          |          |       |     | 5" Roll Diameter |          |          |       |     | 6" Roll Diameter |         |          |       |     |
|------------|------------------|----------|----------|-------|-----|------------------|----------|----------|-------|-----|------------------|---------|----------|-------|-----|
|            | Part Number      | E        | H        | K     | WT  | Part Number      | E        | H        | K     | WT  | Part Number      | E       | H        | K     | WT  |
| 18         | C4-20TEI-18SB    | 10 3/16  | 19 5/8   | 8     | 41  | C5-20TEI-18SB    | 10 11/16 | 19 1/4   | 8 1/2 | 45  | C6-20TEI-18SB    | 11 1/8  | 18 15/16 | 9     | 51  |
| 20         | C4-20TEI-20SB    | 10 1/2   | 22 1/8   | 8     | 43  | C5-20TEI-20SB    | 11       | 21 13/16 | 8 1/2 | 48  | C6-20TEI-20SB    | 11 7/16 | 21 7/16  | 9     | 54  |
| 24         | C4-20TEI-24SB    | 10 15/16 | 25 15/16 | 8     | 48  | C5-20TEI-24SB    | 11 7/16  | 25 5/8   | 8 1/2 | 54  | C6-20TEI-24SB    | 11 7/8  | 25 1/4   | 9     | 61  |
| 30         | C4-20TEI-30SB    | 11 7/8   | 32 3/16  | 8 1/8 | 59  | C5-20TEI-30SB    | 12 5/16  | 31 15/16 | 8 5/8 | 66  | C6-20TEI-30SB    | 12 3/4  | 31 1/2   | 9 1/8 | 75  |
| 36         | C4-20TEI-36SB    | 12 9/16  | 38 5/16  | 8 1/8 | 69  | C5-20TEI-36SB    | 13 1/16  | 38       | 8 5/8 | 78  | C6-20TEI-36SB    | 13 1/2  | 37 11/16 | 9 1/8 | 90  |
| 42         | C4-20TEI-42SB    | 13 11/16 | 44 5/8   | 8 1/2 | 88  | C5-20TEI-42SB    | 14 3/16  | 44 5/16  | 9     | 99  | C6-20TEI-42SB    | 14 5/8  | 44       | 9 1/2 | 113 |
| 48         | C4-20TEI-48SB    | 14 7/16  | 50 15/16 | 8 1/2 | 97  | C5-20TEI-48SB    | 14 15/16 | 50 5/8   | 9     | 109 | C6-20TEI-48SB    | 15 3/8  | 50 1/4   | 9 1/2 | 122 |
| 54         | C4-20TEI-54SB    | 15 3/16  | 57 1/16  | 8 1/2 | 111 | C5-20TEI-54SB    | 15 5/8   | 56 3/4   | 9     | 122 | C6-20TEI-54SB    | 16 1/8  | 56 3/8   | 9 1/2 | 139 |
| 60         | C4-20TEI-60SB    | 15 13/16 | 62 13/16 | 8 1/2 | 119 | C5-20TEI-60SB    | 16 5/16  | 62 7/16  | 9     | 133 | C6-20TEI-60SB    | 16 3/4  | 62 1/8   | 9 1/2 | 153 |

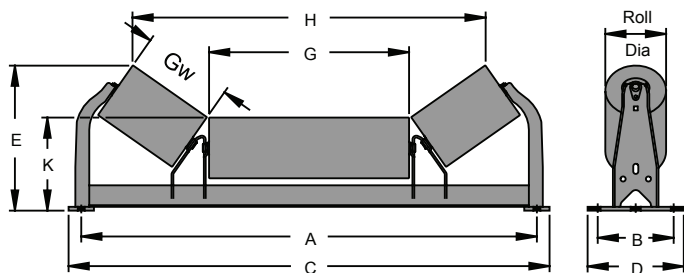
**35° EQUAL IMPACT TROUGHER**

| Belt Width | 4" Roll Diameter |          |          |       |     | 5" Roll Diameter |          |          |       |     | 6" Roll Diameter |          |          |       |     |
|------------|------------------|----------|----------|-------|-----|------------------|----------|----------|-------|-----|------------------|----------|----------|-------|-----|
|            | Part Number      | E        | H        | K     | WT  | Part Number      | E        | H        | K     | WT  | Part Number      | E        | H        | K     | WT  |
| 18         | C4-35TEI-18SB    | 11 11/16 | 18 1/8   | 8     | 42  | C5-35TEI-18SB    | 12 1/8   | 17 9/16  | 8 1/2 | 47  | C6-35TEI-18SB    | 12 5/8   | 17       | 9     | 53  |
| 20         | C4-35TEI-20SB    | 12 3/16  | 20 7/16  | 8     | 45  | C5-35TEI-20SB    | 12 5/8   | 19 7/8   | 8 1/2 | 50  | C6-35TEI-20SB    | 13 1/16  | 19 5/16  | 9     | 56  |
| 24         | C4-35TEI-24SB    | 12 15/16 | 23 7/8   | 8     | 50  | C5-35TEI-24SB    | 13 3/8   | 23 5/16  | 8 1/2 | 56  | C6-35TEI-24SB    | 13 13/16 | 22 13/16 | 9     | 63  |
| 30         | C4-35TEI-30SB    | 14 5/16  | 29 11/16 | 8 1/8 | 62  | C5-35TEI-30SB    | 14 3/4   | 29 1/8   | 8 5/8 | 68  | C6-35TEI-30SB    | 15 1/4   | 28 9/16  | 9 1/8 | 78  |
| 36         | C4-35TEI-36SB    | 15 1/2   | 35 1/4   | 8 1/8 | 71  | C5-35TEI-36SB    | 15 15/16 | 34 11/16 | 8 5/8 | 80  | C6-35TEI-36SB    | 16 3/8   | 34 3/16  | 9 1/8 | 92  |
| 42         | C4-35TEI-42SB    | 17 3/16  | 41 1/16  | 8 1/2 | 91  | C5-35TEI-42SB    | 17 5/8   | 40 1/2   | 9     | 102 | C6-35TEI-42SB    | 18       | 39 15/16 | 9 1/2 | 116 |
| 48         | C4-35TEI-48SB    | 18 7/16  | 46 13/16 | 8 1/2 | 100 | C5-35TEI-48SB    | 18 7/8   | 46 1/4   | 9     | 112 | C6-35TEI-48SB    | 19 1/4   | 45 11/16 | 9 1/2 | 125 |
| 54         | C4-35TEI-54SB    | 19 11/16 | 52 7/16  | 8 1/2 | 118 | C5-35TEI-54SB    | 20 1/16  | 51 7/8   | 9     | 129 | C6-35TEI-54SB    | 20 1/2   | 51 5/16  | 9 1/2 | 147 |
| 60         | C4-35TEI-60SB    | 20 13/16 | 57 11/16 | 8 1/2 | 126 | C5-35TEI-60SB    | 21 1/4   | 57 1/8   | 9     | 140 | C6-35TEI-60SB    | 21 5/8   | 56 5/8   | 9 1/2 | 160 |

**45° EQUAL IMPACT TROUGHER**

| Belt Width | 4" Roll Diameter |          |          |       |     | 5" Roll Diameter |          |          |       |     | 6" Roll Diameter |         |          |       |     |
|------------|------------------|----------|----------|-------|-----|------------------|----------|----------|-------|-----|------------------|---------|----------|-------|-----|
|            | Part Number      | E        | H        | K     | WT  | Part Number      | E        | H        | K     | WT  | Part Number      | E       | H        | K     | WT  |
| 18         | C4-45TEI-18SB    | 12 11/16 | 17 1/16  | 8     | 43  | C5-45TEI-18SB    | 13       | 16 7/16  | 8 1/2 | 48  | C6-45TEI-18SB    | 13 3/8  | 15 3/4   | 9     | 54  |
| 20         | C4-45TEI-20SB    | 13 1/4   | 19 1/4   | 8     | 46  | C5-45TEI-20SB    | 13 5/8   | 18 9/16  | 8 1/2 | 51  | C6-45TEI-20SB    | 14      | 17 7/8   | 9     | 57  |
| 24         | C4-45TEI-24SB    | 14 3/16  | 22 5/16  | 8     | 51  | C5-45TEI-24SB    | 14 9/16  | 21 11/16 | 8 1/2 | 57  | C6-45TEI-24SB    | 14 7/8  | 21 1/16  | 9     | 64  |
| 30         | C4-45TEI-30SB    | 15 7/8   | 27 5/8   | 8 1/8 | 63  | C5-45TEI-30SB    | 16 1/4   | 27       | 8 5/8 | 70  | C6-45TEI-30SB    | 16 5/8  | 26 5/16  | 9 1/8 | 79  |
| 36         | C4-45TEI-36SB    | 17 3/8   | 32 13/16 | 8 1/8 | 72  | C5-45TEI-36SB    | 17 1/16  | 32 1/16  | 8 5/8 | 81  | C6-45TEI-36SB    | 18 1/16 | 31 1/4   | 9 1/8 | 93  |
| 42         | C4-45TEI-42SB    | 19 5/16  | 38 1/16  | 8 1/2 | 91  | C5-45TEI-42SB    | 19 5/8   | 37 3/8   | 9     | 102 | C6-45TEI-42SB    | 20      | 36 5/8   | 9 1/2 | 115 |
| 48         | C4-45TEI-48SB    | 20 7/8   | 43 3/8   | 8 1/2 | 103 | C5-45TEI-48SB    | 21 3/16  | 42 5/8   | 9     | 115 | C6-45TEI-48SB    | 21 9/16 | 42       | 9 1/2 | 128 |
| 54         | C4-45TEI-54SB    | 22 3/8   | 48 1/2   | 8 1/2 | 119 | C5-45TEI-54SB    | 22 11/16 | 47 3/4   | 9     | 130 | C6-45TEI-54SB    | 23 1/16 | 47       | 9 1/2 | 148 |
| 60         | C4-45TEI-60SB    | 23 3/4   | 53 5/16  | 8 1/2 | 127 | C5-45TEI-60SB    | 24 1/8   | 52 5/8   | 9     | 141 | C6-45TEI-60SB    | 24 7/16 | 51 15/16 | 9 1/2 | 160 |

# CEMA C UNEQUAL TROUGH & FLAT CARRIER



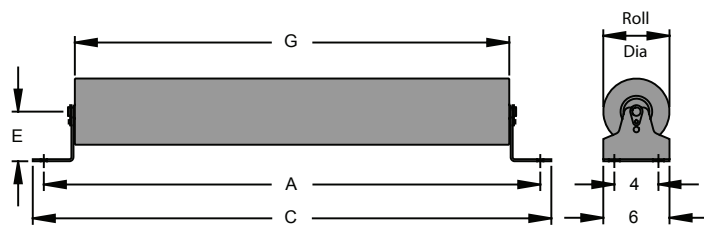
| Belt Width | Standard Dimensions |       |        |          | Wide Base |        |
|------------|---------------------|-------|--------|----------|-----------|--------|
|            | A                   | B     | C      | D        | Aw        | Cw     |
| 24         | 33                  | 6     | 35 1/2 | 8        | 39        | 41 1/2 |
| 30         | 39                  | 6     | 41 1/2 | 9 1/2    | 45        | 47 1/2 |
| 36         | 45                  | 6     | 47 1/2 | 9 1/2    | 51        | 53 1/2 |
| 42         | 51                  | 7 1/2 | 53 1/2 | 9 1/2    | 57        | 59 1/2 |
| 48         | 57                  | 7 1/2 | 59 1/2 | 9 1/2    | 63        | 65 1/2 |
| 54         | 63                  | 9     | 65 1/2 | 10 15/16 | 69        | 71 1/2 |
| 60         | 69                  | 9     | 71 1/2 | 11       | 75        | 77 1/2 |

## 20° UNEQUAL TROUGH

| Belt Width | 4" Roll Diameter |         |         |       |    | 5" Roll Diameter |        |          |       |     | 6" Roll Diameter |         |          |       |     | G       | Gw     |
|------------|------------------|---------|---------|-------|----|------------------|--------|----------|-------|-----|------------------|---------|----------|-------|-----|---------|--------|
|            | Part Number      | E       | H       | K     | WT | Part Number      | E      | H        | K     | WT  | Part Number      | E       | H        | K     | WT  |         |        |
| 24         | C4-20TU-24SB     | 10 1/8  | 27 5/16 | 8 1/8 | 40 | C5-20TU-24SB     | 10 5/8 | 27       | 8 5/8 | 46  | C6-20TU-24SB     | 11 1/16 | 26 11/16 | 9 1/8 | 53  | 15 7/16 | 5 7/16 |
| 30         | C4-20TU-30SB     | 10 1/8  | 33 1/4  | 8 1/8 | 47 | C5-20TU-30SB     | 10 5/8 | 32 15/16 | 8 5/8 | 54  | C6-20TU-30SB     | 11 1/16 | 32 9/16  | 9 1/8 | 62  | 21 3/8  | 5 7/16 |
| 36         | C4-20TU-36SB     | 10 1/8  | 39 1/4  | 8 1/8 | 54 | C5-20TU-36SB     | 10 5/8 | 38 7/8   | 8 5/8 | 62  | C6-20TU-36SB     | 11 1/16 | 38 9/16  | 9 1/8 | 71  | 27 3/8  | 5 7/16 |
| 42         | C4-20TU-42SB     | 10 9/16 | 45 1/4  | 8 1/2 | 69 | C5-20TU-42SB     | 11     | 44 7/8   | 9     | 77  | C6-20TU-42SB     | 11 7/16 | 44 9/16  | 9 1/2 | 87  | 33 3/8  | 5 7/16 |
| 48         | C4-20TU-48SB     | 10 9/16 | 51 1/4  | 8 1/2 | 75 | C5-20TU-48SB     | 11     | 50 7/8   | 9     | 84  | C6-20TU-48SB     | 11 7/16 | 50 9/16  | 9 1/2 | 96  | 39 3/8  | 5 7/16 |
| 54         | C4-20TU-54SB     | 10 9/16 | 57 1/4  | 8 1/2 | 83 | C5-20TU-54SB     | 11     | 56 7/8   | 9     | 92  | C6-20TU-54SB     | 11 7/16 | 56 9/16  | 9 1/2 | 105 | 45 3/8  | 5 7/16 |
| 60         | C4-20UT-60SB     | 10 9/16 | 63 1/4  | 8 1/2 | 90 | C5-20TU-60SB     | 11     | 62 7/8   | 9     | 100 | C6-20TU-60SB     | 11 7/16 | 62 9/16  | 9 1/2 | 114 | 51 3/8  | 5 7/16 |

## 35° UNEQUAL TROUGH

| Belt Width | 4" Roll Diameter |         |          |       |    | 5" Roll Diameter |          |         |       |     | 6" Roll Diameter |          |         |       |     | G       | Gw      |
|------------|------------------|---------|----------|-------|----|------------------|----------|---------|-------|-----|------------------|----------|---------|-------|-----|---------|---------|
|            | Part Number      | E       | H        | K     | WT | Part Number      | E        | H       | K     | WT  | Part Number      | E        | H       | K     | WT  |         |         |
| 24         | C4-35TU-24SB     | 12 3/8  | 25 7/8   | 8 1/8 | 42 | C5-35TU-24SB     | 12 3/4   | 25 1/4  | 8 5/8 | 47  | C6-35TU-24SB     | 13 3/16  | 24 3/4  | 9 1/8 | 55  | 13 1/4  | 6 3/4   |
| 30         | C4-35TU-30SB     | 13 5/8  | 31 5/8   | 8 1/8 | 50 | C5-35TU-30SB     | 14       | 31 1/16 | 8 5/8 | 56  | C6-35TU-30SB     | 14 3/8   | 30 1/2  | 9 1/8 | 65  | 15 7/16 | 8 15/16 |
| 36         | C4-35TU-36SB     | 13 1/2  | 35 15/16 | 8 1/8 | 56 | C5-35TU-36SB     | 13 15/16 | 35 3/8  | 8 5/8 | 63  | C6-35TU-36SB     | 14 5/16  | 34 7/8  | 9 1/8 | 72  | 19 3/4  | 8 15/16 |
| 42         | C4-35TU-42SB     | 15 3/16 | 41 3/16  | 8 1/2 | 70 | C5-35TU-42SB     | 15 9/16  | 40 5/8  | 9     | 78  | C6-35TU-42SB     | 15 15/16 | 40 1/16 | 9 1/2 | 89  | 21 3/8  | 11 1/8  |
| 48         | C4-35TU-48SB     | 15 3/16 | 47 3/16  | 8 1/2 | 77 | C5-35TU-48SB     | 15 9/16  | 46 5/8  | 9     | 86  | C6-35TU-48SB     | 15 15/16 | 46 1/16 | 9 1/2 | 97  | 27 3/8  | 11 1/8  |
| 54         | C4-35TU-54SB     | 15 3/16 | 53 3/16  | 8 1/2 | 85 | C5-35TU-54SB     | 15 9/16  | 52 5/8  | 9     | 94  | C6-35TU-54SB     | 15 15/16 | 52 1/16 | 9 1/2 | 107 | 33 3/8  | 11 1/8  |
| 60         | C4-35TU-60SB     | 15 3/16 | 59 3/16  | 8 1/2 | 91 | C5-35TU-60SB     | 15 9/16  | 58 5/8  | 9     | 101 | C6-35TU-60SB     | 15 15/16 | 58 1/16 | 9 1/2 | 115 | 39 3/8  | 11 1/8  |



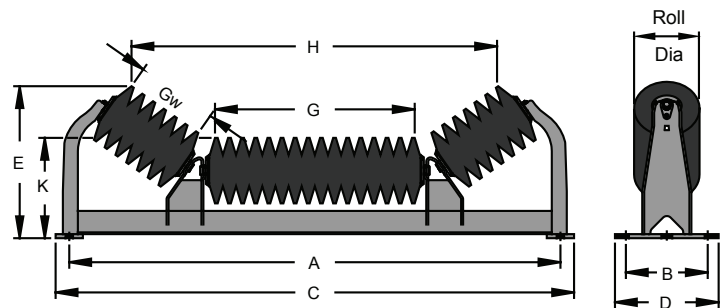
## FLAT CARRIER

| Belt Width | 4" Roll Diameter |    |             |    | 5" Roll Diameter |    |             |    | 6" Roll Diameter |    |             |    | Standard Dimensions |    |        |
|------------|------------------|----|-------------|----|------------------|----|-------------|----|------------------|----|-------------|----|---------------------|----|--------|
|            | E=4½"            |    | E=1½"       |    | E=4½"            |    | E=1½"       |    | E=4½"            |    | E=1½"       |    |                     |    |        |
|            | Part Number      | WT | Part Number | WT | Part Number      | WT | Part Number | WT | Part Number      | WT | Part Number | WT | A                   | C  | G      |
| 18         | C4-F-18SB        | 22 | C4-F-18SB-1 | 21 | C5-F-18SB        | 26 | C5-F-18SB-1 | 25 | C6-F-18SB        | 31 | C6-F-18SB-1 | 30 | 27                  | 29 | 21 3/8 |
| 20         | C4-F-20SB        | 24 | C4-F-20SB-1 | 23 | C5-F-20SB        | 27 | C5-F-20SB-1 | 26 | C6-F-20SB        | 32 | C6-F-20SB-1 | 31 | 29                  | 31 | 23 3/8 |
| 24         | C4-F-24SB        | 26 | C4-F-24SB-1 | 25 | C5-F-24SB        | 31 | C5-F-24SB-1 | 30 | C6-F-24SB        | 36 | C6-F-24SB-1 | 35 | 33                  | 35 | 27 3/8 |
| 30         | C4-F-30SB        | 30 | C4-F-30SB-1 | 29 | C5-F-30SB        | 35 | C5-F-30SB-1 | 34 | C6-F-30SB        | 42 | C6-F-30SB-1 | 41 | 39                  | 41 | 33 3/8 |
| 36         | C4-F-36SB        | 34 | C4-F-36SB-1 | 33 | C5-F-36SB        | 39 | C5-F-36SB-1 | 38 | C6-F-36SB        | 48 | C6-F-36SB-1 | 47 | 45                  | 47 | 39 3/8 |
| 42         | C4-F-42SB        | 37 | C4-F-42SB-1 | 36 | C5-F-42SB        | 44 | C5-F-42SB-1 | 43 | C6-F-42SB        | 53 | C6-F-42SB-1 | 52 | 51                  | 53 | 45 3/8 |
| 48         | C4-F-48SB        | 41 | C4-F-48SB-1 | 40 | C5-F-48SB        | 49 | C5-F-48SB-1 | 48 | C6-F-48SB        | 59 | C6-F-48SB-1 | 58 | 57                  | 59 | 51 3/8 |
| 54*        | C4-F-54SB        | 45 | C4-F-54SB-1 | 44 | C5-F-54SB        | 53 | C5-F-54SB-1 | 52 | C6-F-54SB        | 65 | C6-F-54SB-1 | 64 | 63                  | 65 | 57 3/8 |
| 60*        | C4-F-60SB        | 49 | C4-F-60SB-1 | 48 | C5-F-60SB        | 58 | C5-F-60SB-1 | 57 | C6-F-60SB        | 70 | C6-F-60SB-1 | 69 | 69                  | 71 | 63 3/8 |

\*CEMA recommends D Idlers for 54" and 60" Flat Idlers.



| Belt Width | Standard Dimensions |       |        |          | Wide Base |        |
|------------|---------------------|-------|--------|----------|-----------|--------|
|            | A                   | B     | C      | D        | Aw        | Cw     |
| 24         | 33                  | 6     | 35 1/2 | 8        | 39        | 41 1/2 |
| 30         | 39                  | 6     | 41 1/2 | 9 1/2    | 45        | 47 1/2 |
| 36         | 45                  | 6     | 47 1/2 | 9 1/2    | 51        | 53 1/2 |
| 42         | 51                  | 7 1/2 | 53 1/2 | 9 1/2    | 57        | 59 1/2 |
| 48         | 57                  | 7 1/2 | 59 1/2 | 9 1/2    | 63        | 65 1/2 |
| 54         | 63                  | 9     | 65 1/2 | 10 15/16 | 69        | 71 1/2 |
| 60         | 69                  | 9     | 71 1/2 | 11       | 75        | 77 1/2 |

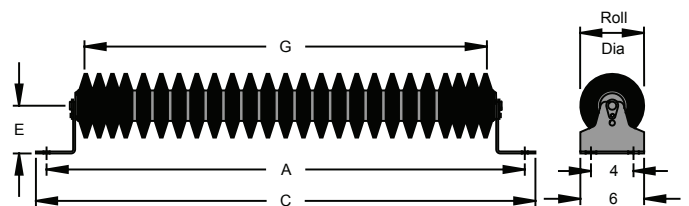


### 20° UNEQUAL IMPACT TROUGHER

| Belt Width | 5" Roll Diameter |        |         |       |     | 6" Roll Diameter |          |        |       |     | G        | Gw      |
|------------|------------------|--------|---------|-------|-----|------------------|----------|--------|-------|-----|----------|---------|
|            | Part Number      | E      | H       | K     | WT  | Part Number      | E        | H      | K     | WT  |          |         |
| 24         | C5-20TUI-24SB    | 10 3/8 | 25 9/16 | 8 5/8 | 56  | C6-20TUI-24SB    | 10 13/16 | 25 1/4 | 9 1/8 | 64  | 13 15/16 | 3 15/16 |
| 30         | C5-20TUI-30SB    | 10 3/8 | 31 1/2  | 8 5/8 | 70  | C6-20TUI-30SB    | 10 13/16 | 31 1/8 | 9 1/8 | 78  | 19 7/8   | 3 15/16 |
| 36         | C5-20TUI-36SB    | 10 3/8 | 37 7/16 | 8 5/8 | 80  | C6-20TUI-36SB    | 10 13/16 | 37 1/8 | 9 1/8 | 91  | 25 7/8   | 3 15/16 |
| 42         | C5-20TUI-42SB    | 10 3/4 | 43 7/16 | 9     | 99  | C6-20TUI-42SB    | 11 3/16  | 43 1/8 | 9 1/2 | 111 | 31 7/8   | 3 15/16 |
| 48         | C5-20TUI-48SB    | 10 3/4 | 49 7/16 | 9     | 109 | C6-20TUI-48SB    | 11 3/16  | 49 1/8 | 9 1/2 | 122 | 37 7/8   | 3 15/16 |
| 54         | C5-20TUI-54SB    | 10 3/4 | 55 7/16 | 9     | 122 | C6-20TUI-54SB    | 11 3/16  | 55 1/8 | 9 1/2 | 137 | 43 7/8   | 3 15/16 |
| 60         | C5-20TUI-60SB    | 10 3/4 | 61 7/16 | 9     | 134 | C6-20TUI-60SB    | 11 3/16  | 61 1/8 | 9 1/2 | 150 | 49 7/8   | 3 15/16 |

### 35° UNEQUAL IMPACT TROUGHER

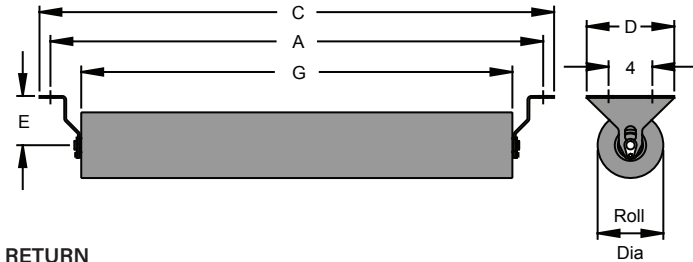
| Belt Width | 5" Roll Diameter |         |          |       |     | 6" Roll Diameter |          |          |       |     | G        | Gw     |
|------------|------------------|---------|----------|-------|-----|------------------|----------|----------|-------|-----|----------|--------|
|            | Part Number      | E       | H        | K     | WT  | Part Number      | E        | H        | K     | WT  |          |        |
| 24         | C5-35TUI-24SB    | 12 5/16 | 24       | 8 5/8 | 56  | C6-35TUI-24SB    | 12 3/4   | 23 1/2   | 9 1/8 | 64  | 11 3/4   | 5 1/4  |
| 30         | C5-35TUI-30SB    | 13 9/16 | 29 13/16 | 8 5/8 | 67  | C6-35TUI-30SB    | 13 15/16 | 29 1/4   | 9 1/8 | 77  | 13 15/16 | 7 7/16 |
| 36         | C5-35TUI-36SB    | 13 1/2  | 34 1/8   | 8 5/8 | 77  | C6-35TUI-36SB    | 13 7/8   | 33 5/8   | 9 1/8 | 87  | 18 25    | 7 7/16 |
| 42         | C5-35TUI-42SB    | 15 1/8  | 39 3/8   | 9     | 99  | C6-35TUI-42SB    | 15 1/2   | 38 13/16 | 9 1/2 | 110 | 19 7/8   | 9 5/8  |
| 48         | C5-35TUI-48SB    | 15 1/8  | 45 3/8   | 9     | 110 | C6-35TUI-48SB    | 15 1/2   | 44 13/16 | 9 1/2 | 123 | 25 7/8   | 9 5/8  |
| 54         | C5-35TUI-54SB    | 15 1/8  | 51 3/8   | 9     | 122 | C6-35TUI-54SB    | 15 1/2   | 50 13/16 | 9 1/2 | 136 | 31 7/8   | 9 5/8  |
| 60         | C5-35TUI-60SB    | 15 1/8  | 57 3/8   | 9     | 133 | C6-35TUI-60SB    | 15 1/2   | 56 13/16 | 9 1/2 | 149 | 38 7/8   | 9 5/8  |



### FLAT RUBBER DISC CARRIER

| Belt Width | 5" Roll Diameter |    |               |    | 6" Roll Diameter |    |               |    | Standard Dimensions |    |        |
|------------|------------------|----|---------------|----|------------------|----|---------------|----|---------------------|----|--------|
|            | E=4 1/2"         |    | E=1 1/2"      |    | E=4 1/2"         |    | E=1 1/2"      |    | A                   | C  | G      |
|            | Part Number      | WT | Part Number   | WT | Part Number      | WT | Part Number   | WT |                     |    |        |
| 18         | C5-FRD-18SB      | 31 | C5-FRD-18SB-1 | 30 | C6-FRD-18SB      | 37 | C6-FRD-18SB-1 | 36 | 27                  | 29 | 19 7/8 |
| 20         | C5-FRD-20SB      | 33 | C5-FRD-20SB-1 | 32 | C6-FRD-20SB      | 38 | C6-FRD-20SB-1 | 37 | 29                  | 31 | 21 7/8 |
| 24         | C5-FRD-24SB      | 38 | C5-FRD-24SB-1 | 37 | C6-FRD-24SB      | 45 | C6-FRD-24SB-1 | 44 | 33                  | 35 | 25 7/8 |
| 30         | C5-FRD-30SB      | 45 | C5-FRD-30SB-1 | 44 | C6-FRD-30SB      | 53 | C6-FRD-30SB-1 | 52 | 39                  | 41 | 31 7/8 |
| 36         | C5-FRD-36SB      | 51 | C5-FRD-36SB-1 | 50 | C6-FRD-36SB      | 61 | C6-FRD-36SB-1 | 60 | 45                  | 47 | 37 7/8 |
| 42         | C5-FRD-42SB      | 58 | C5-FRD-42SB-1 | 57 | C6-FRD-42SB      | 69 | C6-FRD-42SB-1 | 68 | 51                  | 53 | 43 7/8 |
| 48         | C5-FRD-48SB      | 65 | C5-FRD-48SB-1 | 64 | C6-FRD-48SB      | 78 | C6-FRD-48SB-1 | 77 | 57                  | 59 | 49 7/8 |
| 54*        | C5-FRD-54SB      | 72 | C5-FRD-54SB-1 | 71 | C6-FRD-54SB      | 86 | C6-FRD-54SB-1 | 85 | 63                  | 65 | 55 7/8 |
| 60*        | C5-FRD-60SB      | 78 | C5-FRD-60SB-1 | 77 | C6-FRD-60SB      | 88 | C6-FRD-60SB-1 | 87 | 69                  | 71 | 61 7/8 |

\*CEMA recommends D Idlers for 54" and 60" Flat Idlers.

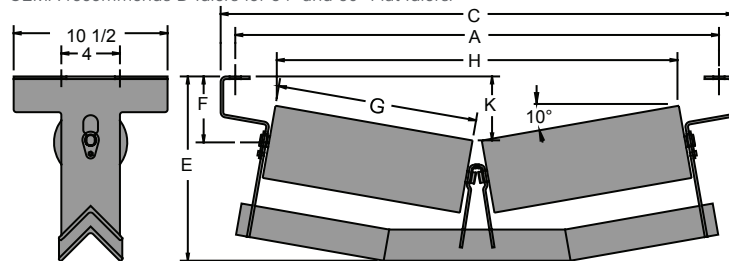


RETURN

| Belt Width | Standard Dimensions |    |        |
|------------|---------------------|----|--------|
|            | A                   | C  | G      |
| 18         | 27                  | 29 | 21 3/8 |
| 20         | 29                  | 31 | 23 3/8 |
| 24         | 33                  | 35 | 27 3/8 |
| 30         | 39                  | 41 | 33 3/8 |
| 36         | 45                  | 47 | 39 3/8 |
| 42         | 51                  | 53 | 45 3/8 |
| 48         | 57                  | 59 | 51 3/8 |
| 54         | 63                  | 65 | 57 3/8 |
| 60         | 69                  | 71 | 63 3/8 |

| Belt Width | 4" Roll Diameter |   |              |   |    | 5" Roll Diameter |   |              |   |    | 6" Roll Diameter |   |              |   |    |
|------------|------------------|---|--------------|---|----|------------------|---|--------------|---|----|------------------|---|--------------|---|----|
|            | Std E=4 1/2"     |   | Opt E=1 1/2" |   | WT | Std E=4 1/2"     |   | Opt E=1 1/2" |   | WT | Std E=4 1/2"     |   | Opt E=1 1/2" |   | WT |
|            | Part Number      | D | Part Number  | D |    | Part Number      | D | Part Number  | D |    | Part Number      | D | Part Number  | D |    |
| 18         | C4-R-18SB        | 8 | C4-R-18SB-1  | 6 | 20 | C5-R-18SB        | 8 | C5-R-18SB-1  | 6 | 23 | C6-R-18SB        | 8 | C6-R-18SB-1  | 6 | 28 |
| 20         | C4-R-20SB        | 8 | C4-R-20SB-1  | 6 | 21 | C5-R-20SB        | 8 | C5-R-20SB-1  | 6 | 25 | C6-R-20SB        | 8 | C6-R-20SB-1  | 6 | 30 |
| 24         | C4-R-24SB        | 8 | C4-R-24SB-1  | 6 | 23 | C5-R-24SB        | 8 | C5-R-24SB-1  | 6 | 28 | C6-R-24SB        | 8 | C6-R-24SB-1  | 6 | 34 |
| 30         | C4-R-30SB        | 8 | C4-R-30SB-1  | 6 | 27 | C5-R-30SB        | 8 | C5-R-30SB-1  | 6 | 32 | C6-R-30SB        | 8 | C6-R-30SB-1  | 6 | 39 |
| 36         | C4-R-36SB        | 8 | C4-R-36SB-1  | 6 | 31 | C5-R-36SB        | 8 | C5-R-36SB-1  | 6 | 37 | C6-R-36SB        | 8 | C6-R-36SB-1  | 6 | 45 |
| 42         | C4-R-42SB        | 8 | C4-R-42SB-1  | 6 | 35 | C5-R-42SB        | 8 | C5-R-42SB-1  | 6 | 41 | C6-R-42SB        | 8 | C6-R-42SB-1  | 6 | 51 |
| 48         | C4-R-48SB        | 8 | C4-R-48SB-1  | 6 | 38 | C5-R-48SB        | 8 | C5-R-48SB-1  | 6 | 46 | C6-R-48SB        | 8 | C6-R-48SB-1  | 6 | 56 |
| 54*        | C4-R-54SB        | 8 | C4-R-54SB-1  | 6 | 42 | C5-R-54SB        | 8 | C5-R-54SB-1  | 6 | 50 | C6-R-54SB        | 8 | C6-R-54SB-1  | 6 | 62 |
| 60*        | C4-R-60SB        | 8 | C4-R-60SB-1  | 6 | 46 | C5-R-60SB        | 8 | C5-R-60SB-1  | 6 | 55 | C6-R-60SB        | 8 | C6-R-60SB-1  | 6 | 68 |

\*CEMA recommends D Idlers for 54" and 60" Flat Idlers.



V-RETURN IDLER (F = 4 1/2")

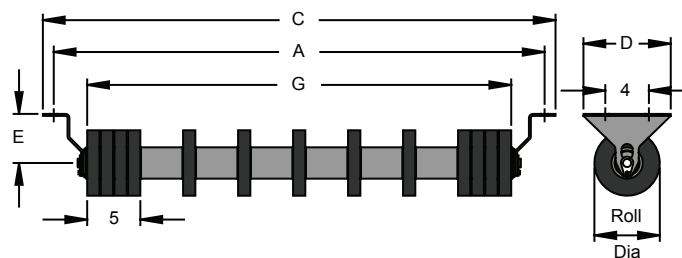
| Belt Width | Standard Dimensions |    |          |
|------------|---------------------|----|----------|
|            | A                   | C  | G        |
| 24         | 33                  | 35 | 13 5/8   |
| 30         | 39                  | 41 | 16 11/16 |
| 36         | 45                  | 47 | 19 3/4   |
| 42         | 51                  | 53 | 22 13/16 |
| 48         | 57                  | 59 | 25 7/8   |
| 54         | 63                  | 65 | 28 7/8   |
| 60         | 69                  | 71 | 31 15/16 |

| Belt Width | 5" Roll Diameter |          |         |         |    | 6" Roll Diameter |          |        |         |     |
|------------|------------------|----------|---------|---------|----|------------------|----------|--------|---------|-----|
|            | Part Number      | E        | H       | K       | WT | Part Number      | E        | H      | K       | WT  |
| 24         | C5-10VR-24SB-4   | 13 1/8   | 27 1/2  | 4 1/2   | 48 | C6-10VR-24SB-4   | 13 1/8   | 27 3/8 | 4       | 56  |
| 30         | C5-10VR-30SB-4   | 13 5/8   | 33 1/2  | 5       | 55 | C6-10VR-30SB-4   | 13 5/8   | 33 3/8 | 4 1/2   | 64  |
| 36         | C5-10VR-36SB-4   | 14 3/16  | 39 1/2  | 5 9/16  | 61 | C6-10VR-36SB-4   | 14 3/16  | 39 3/8 | 5 1/16  | 72  |
| 42         | C5-10VR-42SB-4   | 14 11/16 | 45 9/16 | 6 1/8   | 68 | C6-10VR-42SB-4   | 14 11/16 | 45 3/8 | 5 5/8   | 80  |
| 48         | C5-10VR-48SB-4   | 15 1/4   | 51 1/2  | 6 5/8   | 75 | C6-10VR-48SB-4   | 15 1/4   | 51 3/8 | 6 1/8   | 87  |
| 54         | C5-10VR-54SB-4   | 15 3/4   | 57 1/2  | 7 3/16  | 81 | C6-10VR-54SB-4   | 15 3/4   | 57 3/8 | 6 11/16 | 95  |
| 60         | C5-10VR-60SB-4   | 16 1/4   | 63 1/2  | 7 11/16 | 88 | C6-10VR-60SB-4   | 16 1/4   | 63 3/8 | 7 1/4   | 103 |

V-RETURN IDLER (F = 7")

| Belt Width | 5" Roll Diameter |          |         |        |    | 6" Roll Diameter |          |        |        |     |
|------------|------------------|----------|---------|--------|----|------------------|----------|--------|--------|-----|
|            | Part Number      | E        | H       | K      | WT | Part Number      | E        | H      | K      | WT  |
| 24         | C5-10VR-24SB-7   | 15 5/8   | 27 1/2  | 7      | 51 | C6-10VR-24SB-7   | 15 5/8   | 27 3/8 | 6 1/2  | 59  |
| 30         | C5-10VR-30SB-7   | 16 1/8   | 33 1/2  | 7 1/2  | 58 | C6-10VR-30SB-7   | 16 1/8   | 33 3/8 | 7      | 67  |
| 36         | C5-10VR-36SB-7   | 16 11/16 | 39 1/2  | 8 1/16 | 64 | C6-10VR-36SB-7   | 16 11/16 | 39 3/8 | 7 5/8  | 74  |
| 42         | C5-10VR-42SB-7   | 17 3/16  | 45 9/16 | 8 5/8  | 71 | C6-10VR-42SB-7   | 17 3/16  | 45 3/8 | 8 1/8  | 82  |
| 48         | C5-10VR-48SB-7   | 17 3/4   | 51 1/2  | 9 1/8  | 77 | C6-10VR-48SB-7   | 17 3/4   | 51 3/8 | 8 5/8  | 90  |
| 54         | C5-10VR-54SB-7   | 18 1/4   | 57 1/2  | 9 5/8  | 84 | C6-10VR-54SB-7   | 18 1/4   | 57 3/8 | 9 3/16 | 98  |
| 60         | C5-10VR-60SB-7   | 18 3/4   | 63 1/2  | 10 1/4 | 90 | C6-10VR-60SB-7   | 18 3/4   | 63 3/8 | 9 3/4  | 106 |

| Belt Width | Standard Dimensions |    |        |
|------------|---------------------|----|--------|
|            | A                   | C  | G      |
| 18         | 27                  | 29 | 20 7/8 |
| 20         | 29                  | 31 | 22 7/8 |
| 24         | 33                  | 35 | 26 7/8 |
| 30         | 39                  | 41 | 32 7/8 |
| 36         | 45                  | 47 | 38 7/8 |
| 42         | 51                  | 53 | 44 7/8 |
| 48         | 57                  | 59 | 50 7/8 |
| 54         | 63                  | 65 | 56 7/8 |
| 60         | 69                  | 71 | 62 7/8 |

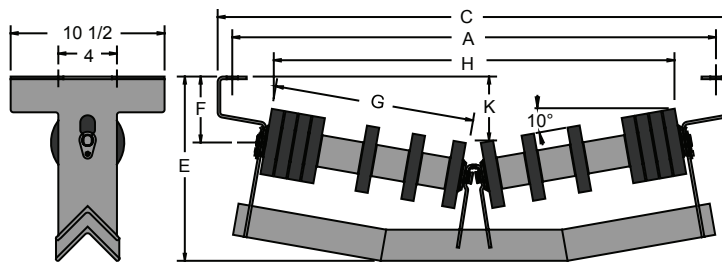


## RETURN RUBBER DISC

| Belt Width | 4" Roll Diameter |   |               |   |    | 5" Roll Diameter |   |               |   |    | 6" Roll Diameter |   |               |   |    |
|------------|------------------|---|---------------|---|----|------------------|---|---------------|---|----|------------------|---|---------------|---|----|
|            | Std E=4 1/2"     |   | Opt E=1 1/2"  |   | WT | Std E=4 1/2"     |   | Opt E=1 1/2"  |   | WT | Std E=4 1/2"     |   | Opt E=1 1/2"  |   | WT |
|            | Part Number      | D | Part Number   | D |    | Part Number      | D | Part Number   | D |    | Part Number      | D | Part Number   | D |    |
| 18         | C4-RRD-18SB      | 8 | C4-RRD-18SB-1 | 6 | 18 | C5-RRD-18SB      | 8 | C5-RRD-18SB-1 | 6 | 22 | C6-RRD-18SB      | 8 | C6-RRD-18SB-1 | 6 | 27 |
| 20         | C4-RRD-20SB      | 8 | C4-RRD-20SB-1 | 6 | 19 | C5-RRD-20SB      | 8 | C5-RRD-20SB-1 | 6 | 23 | C6-RRD-20SB      | 8 | C6-RRD-20SB-1 | 6 | 27 |
| 24         | C4-RRD-24SB      | 8 | C4-RRD-24SB-1 | 6 | 21 | C5-RRD-24SB      | 8 | C5-RRD-24SB-1 | 6 | 26 | C6-RRD-24SB      | 8 | C6-RRD-24SB-1 | 6 | 30 |
| 30         | C4-RRD-30SB      | 8 | C4-RRD-30SB-1 | 6 | 24 | C5-RRD-30SB      | 8 | C5-RRD-30SB-1 | 6 | 29 | C6-RRD-30SB      | 8 | C6-RRD-30SB-1 | 6 | 34 |
| 36         | C4-RRD-36SB      | 8 | C4-RRD-36SB-1 | 6 | 27 | C5-RRD-36SB      | 8 | C5-RRD-36SB-1 | 6 | 32 | C6-RRD-36SB      | 8 | C6-RRD-36SB-1 | 6 | 38 |
| 42         | C4-RRD-42SB      | 8 | C4-RRD-42SB-1 | 6 | 30 | C5-RRD-42SB      | 8 | C5-RRD-42SB-1 | 6 | 36 | C6-RRD-42SB      | 8 | C6-RRD-42SB-1 | 6 | 42 |
| 48         | C4-RRD-48SB      | 8 | C4-RRD-48SB-1 | 6 | 32 | C5-RRD-48SB      | 8 | C5-RRD-48SB-1 | 6 | 39 | C6-RRD-48SB      | 8 | C6-RRD-48SB-1 | 6 | 45 |
| 54*        | C4-RRD-54SB      | 8 | C4-RRD-54SB-1 | 6 | 35 | C5-RRD-54SB      | 8 | C5-RRD-54SB-1 | 6 | 42 | C6-RRD-54SB      | 8 | C6-RRD-54SB-1 | 6 | 49 |
| 60*        | C4-RRD-60SB      | 8 | C4-RRD-60SB-1 | 6 | 38 | C5-RRD-60SB      | 8 | C5-RRD-60SB-1 | 6 | 46 | C6-RRD-60SB      | 8 | C6-RRD-60SB-1 | 6 | 53 |

\*CEMA recommends D Idlers for 54" and 60" Flat Idlers.

| Belt Width | Standard Dimensions |    |         |
|------------|---------------------|----|---------|
|            | A                   | C  | G       |
| 24         | 33                  | 35 | 13 1/8  |
| 30         | 39                  | 41 | 16 3/16 |
| 36         | 45                  | 47 | 19 1/4  |
| 42         | 51                  | 53 | 22 5/16 |
| 48         | 57                  | 59 | 25 3/8  |
| 54         | 63                  | 65 | 28 3/8  |
| 60         | 69                  | 71 | 31 7/16 |



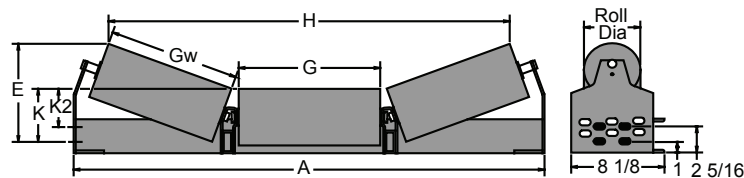
## V-RETURN RUBBER DISC IDLER (F = 4 1/2")

| Belt Width | 5" Roll Diameter |          |          |         |    | 6" Roll Diameter |          |         |         |    |
|------------|------------------|----------|----------|---------|----|------------------|----------|---------|---------|----|
|            | Part Number      | E        | H        | K       | WT | Part Number      | E        | H       | K       | WT |
| 24         | C5-10VRI-24SB-4  | 13 1/8   | 26 7/8   | 4 1/2   | 48 | C6-10VRI-24SB-4  | 13 1/8   | 27 1/16 | 4       | 55 |
| 30         | C5-10VRI-30SB-4  | 13 5/8   | 32 7/8   | 5       | 52 | C6-10VRI-30SB-4  | 13 5/8   | 33 1/16 | 4.5     | 59 |
| 36         | C5-10VRI-36SB-4  | 14 3/16  | 38 7/8   | 5 9/16  | 56 | C6-10VRI-36SB-4  | 14 3/16  | 39 1/16 | 5 1/16  | 63 |
| 42         | C5-10VRI-42SB-4  | 14 11/16 | 44 15/16 | 6 1/8   | 63 | C6-10VRI-42SB-4  | 14 11/16 | 45 1/16 | 5.625   | 70 |
| 48         | C5-10VRI-48SB-4  | 15 1/4   | 50 7/8   | 6 5/8   | 67 | C6-10VRI-48SB-4  | 15 1/4   | 51 1/16 | 6 1/8   | 75 |
| 54         | C5-10VRI-54SB-4  | 15 3/4   | 56 7/8   | 7 3/16  | 73 | C6-10VRI-54SB-4  | 15 3/4   | 57 1/16 | 6 11/16 | 82 |
| 60         | C5-10VRI-60SB-4  | 16 1/4   | 62 7/8   | 7 11/16 | 79 | C6-10VRI-60SB-4  | 16 1/4   | 63 1/16 | 7 1/4   | 89 |

## V-RETURN IDLER RUBBER DISC (F = 7")

| Belt Width | 5" Roll Diameter |          |          |        |    | 6" Roll Diameter |          |         |        |    |
|------------|------------------|----------|----------|--------|----|------------------|----------|---------|--------|----|
|            | Part Number      | E        | H        | K      | WT | Part Number      | E        | H       | K      | WT |
| 24         | C5-10VRI-24SB-7  | 15 5/8   | 26 7/8   | 7      | 51 | C6-10VRI-24SB-7  | 15 5/8   | 27 1/16 | 6 1/2  | 58 |
| 30         | C5-10VRI-30SB-7  | 16 1/8   | 32 7/8   | 7 1/2  | 55 | C6-10VRI-30SB-7  | 16 1/8   | 33 1/16 | 7      | 62 |
| 36         | C5-10VRI-36SB-7  | 16 11/16 | 38 7/8   | 8 1/16 | 59 | C6-10VRI-36SB-7  | 16 11/16 | 39 1/16 | 7 5/8  | 66 |
| 42         | C5-10VRI-42SB-7  | 17 3/16  | 44 15/16 | 8 5/8  | 65 | C6-10VRI-42SB-7  | 17 3/16  | 45 1/16 | 8 1/8  | 73 |
| 48         | C5-10VRI-48SB-7  | 17 3/4   | 50 7/8   | 9 1/8  | 70 | C6-10VRI-48SB-7  | 17 3/4   | 51 1/16 | 8 5/8  | 77 |
| 54         | C5-10VRI-54SB-7  | 18 1/4   | 56 7/8   | 9 5/8  | 76 | C6-10VRI-54SB-7  | 18 1/4   | 57 1/16 | 9 3/16 | 84 |
| 60         | C5-10VRI-60SB-7  | 18 3/4   | 62 7/8   | 10 1/4 | 82 | C6-10VRI-60SB-7  | 18 3/4   | 63 1/16 | 9 3/4  | 91 |

# CEMA C CHANNEL INSET TROUGHER & RETURN



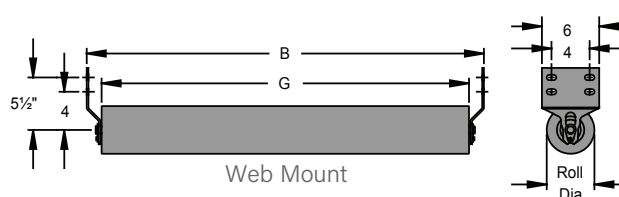
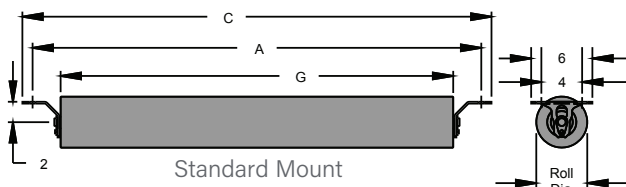
| Belt Width | Standard Dimensions |        |        |
|------------|---------------------|--------|--------|
|            | A                   | G      | Gw     |
| 18         | 23 5/8              | 6 1/2  | 5 1/2  |
| 20         | 25 5/8              | 7 1/8  | 6 1/8  |
| 24         | 29 5/8              | 8 1/2  | 7 1/2  |
| 30         | 35 5/8              | 10 1/2 | 9 1/2  |
| 36         | 41 5/8              | 12 1/2 | 11 1/2 |
| 42         | 47 5/8              | 18 1/2 | 11 1/2 |
| 48         | 53 5/8              | 24 1/2 | 11 1/2 |
| 54         | 59 5/8              | 30 1/2 | 11 1/2 |
| 60         | 65 5/8              | 36 1/2 | 11 1/2 |

## 20° CHANNEL INSET TROUGHER

| Belt Width | 4" Roll Diameter |        |        |        |       |    | 5" Roll Diameter |         |          |         |       |    |
|------------|------------------|--------|--------|--------|-------|----|------------------|---------|----------|---------|-------|----|
|            | Part Number      | E      | H      | K      | K2    | WT | Part Number      | E       | H        | K       | K2    | WT |
| 18         | C4-20CIT-18SB    | 6 3/16 | 18 1/2 | 4 3/16 | 2 7/8 | 34 | C5-20CIT-18SB    | 6 5/8   | 18       | 4 11/16 | 3 3/8 | 39 |
| 20         | C4-20CIT-20SB    | 6 3/8  | 20 1/4 | 4 3/16 | 2 7/8 | 36 | C5-20CIT-20SB    | 6 7/8   | 19 15/16 | 4 11/16 | 3 3/8 | 41 |
| 24         | C4-20CIT-24SB    | 6 7/8  | 24 1/4 | 4 3/16 | 2 7/8 | 41 | C5-20CIT-24SB    | 7 5/16  | 23 7/8   | 4 11/16 | 3 3/8 | 46 |
| 30         | C4-20CIT-30SB    | 7 9/16 | 30     | 4 3/16 | 2 7/8 | 47 | C5-20CIT-30SB    | 8       | 29 5/8   | 4 11/16 | 3 3/8 | 52 |
| 36         | C4-20CIT-36SB    | 8 3/16 | 35 3/4 | 4 3/16 | 2 7/8 | 53 | C5-20CIT-36SB    | 8 11/16 | 35 7/16  | 4 11/16 | 3 3/8 | 60 |
| 42         | C4-20CIT-42SB    | 8 3/16 | 41 3/4 | 4 3/16 | 2 7/8 | 59 | C5-20CIT-42SB    | 8 11/16 | 41 7/16  | 4 11/16 | 3 3/8 | 67 |
| 48         | C4-20CIT-48SB    | 8 3/16 | 47 3/4 | 4 3/16 | 2 7/8 | 65 | C5-20CIT-48SB    | 8 11/16 | 47 7/16  | 4 11/16 | 3 3/8 | 74 |
| 54         | C4-20CIT-54SB    | 8 3/16 | 53 3/4 | 4 3/16 | 2 7/8 | 71 | C5-20CIT-54SB    | 8 11/16 | 53 7/16  | 4 11/16 | 3 3/8 | 80 |
| 60         | C4-20CIT-60SB    | 8 3/16 | 59 3/4 | 4 3/16 | 2 7/8 | 75 | C5-20CIT-60SB    | 8 11/16 | 59 7/16  | 4 11/16 | 3 3/8 | 85 |

## 35° CHANNEL INSET TROUGHER

| Belt Width | 4" Roll Diameter |         |          |        |       |    | 5" Roll Diameter |         |          |         |       |    |
|------------|------------------|---------|----------|--------|-------|----|------------------|---------|----------|---------|-------|----|
|            | Part Number      | E       | H        | K      | K2    | WT | Part Number      | E       | H        | K       | K2    | WT |
| 18         | C4-35CIT-18SB    | 7 9/16  | 17 1/8   | 4 3/16 | 2 7/8 | 36 | C5-35CIT-18SB    | 7 15/16 | 16 9/16  | 4 11/16 | 3 3/8 | 40 |
| 20         | C4-35CIT-20SB    | 7 7/8   | 18 3/4   | 4 3/16 | 2 7/8 | 38 | C5-35CIT-20SB    | 8 5/16  | 18 3/16  | 4 11/16 | 3 3/8 | 43 |
| 24         | C4-35CIT-24SB    | 8 11/16 | 22 3/8   | 4 3/16 | 2 7/8 | 42 | C5-35CIT-24SB    | 9 1/16  | 21 13/16 | 4 11/16 | 3 3/8 | 48 |
| 30         | C4-35CIT-30SB    | 9 13/16 | 27 5/8   | 4 3/16 | 2 7/8 | 49 | C5-35CIT-30SB    | 10 1/4  | 27 1/16  | 4 11/16 | 3 3/8 | 54 |
| 36         | C4-35CIT-36SB    | 11      | 32 15/16 | 4 3/16 | 2 7/8 | 56 | C5-35CIT-36SB    | 11 3/8  | 32 5/16  | 4 11/16 | 3 3/8 | 62 |
| 42         | C4-35CIT-42SB    | 11      | 38 15/16 | 4 3/16 | 2 7/8 | 63 | C5-35CIT-42SB    | 11 3/8  | 38 5/16  | 4 11/16 | 3 3/8 | 70 |
| 48         | C4-35CIT-48SB    | 11      | 44 15/16 | 4 3/16 | 2 7/8 | 68 | C5-35CIT-48SB    | 11 3/8  | 44 5/16  | 4 11/16 | 3 3/8 | 76 |
| 54         | C4-35CIT-54SB    | 11      | 50 15/16 | 4 3/16 | 2 7/8 | 74 | C5-35CIT-54SB    | 11 3/8  | 50 5/16  | 4 11/16 | 3 3/8 | 84 |
| 60         | C4-35CIT-60SB    | 11      | 56 15/16 | 4 3/16 | 2 7/8 | 80 | C5-35CIT-60SB    | 11 3/8  | 56 5/16  | 4 11/16 | 3 3/8 | 90 |

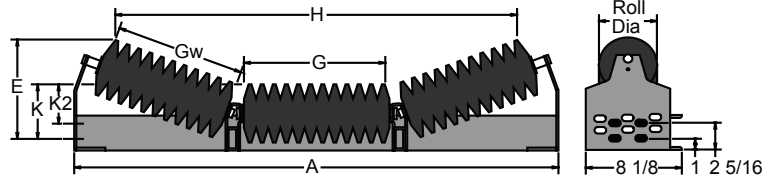


## CHANNEL INSET RETURN

| Belt Width | Standard Mount   |    |                  |    | Web Mount        |    |                  |    | Standard Dimensions |        |    |        |
|------------|------------------|----|------------------|----|------------------|----|------------------|----|---------------------|--------|----|--------|
|            | 4" Roll Diameter |    | 5" Roll Diameter |    | 4" Roll Diameter |    | 5" Roll Diameter |    |                     |        |    |        |
|            | Part Number      | WT | Part Number      | WT | Part Number      | WT | Part Number      | WT | A                   | B      | C  | G      |
| 18         | C4-CIR-18SB      | 20 | C5-CIR-18SB      | 23 | C4-CIRW-18SB     | 21 | C5-CIRW-18SB     | 24 | 26                  | 23 5/8 | 28 | 20 1/2 |
| 20         | C4-CIR-20SB      | 21 | C5-CIR-20SB      | 25 | C4-CIRW-20SB     | 22 | C5-CIRW-20SB     | 26 | 28                  | 25 5/8 | 30 | 22 1/2 |
| 24         | C4-CIR-24SB      | 24 | C5-CIR-24SB      | 28 | C4-CIRW-24SB     | 25 | C5-CIRW-24SB     | 29 | 32                  | 29 5/8 | 34 | 26 1/2 |
| 30         | C4-CIR-30SB      | 28 | C5-CIR-30SB      | 32 | C4-CIRW-30SB     | 29 | C5-CIRW-30SB     | 33 | 38                  | 35 5/8 | 40 | 32 1/2 |
| 36         | C4-CIR-36SB      | 31 | C5-CIR-36SB      | 37 | C4-CIRW-36SB     | 32 | C5-CIRW-36SB     | 38 | 44                  | 41 5/8 | 46 | 38 1/2 |
| 42         | C4-CIR-42SB      | 35 | C5-CIR-42SB      | 41 | C4-CIRW-42SB     | 36 | C5-CIRW-42SB     | 42 | 50                  | 47 5/8 | 52 | 44 1/2 |
| 48         | C4-CIR-48SB      | 39 | C5-CIR-48SB      | 46 | C4-CIRW-48SB     | 40 | C5-CIRW-48SB     | 47 | 56                  | 53 5/8 | 58 | 50 1/2 |
| 54*        | C4-CIR-54SB      | 43 | C5-CIR-54SB      | 50 | C4-CIRW-54SB     | 44 | C5-CIRW-54SB     | 51 | 62                  | 59 5/8 | 64 | 56 1/2 |
| 60*        | C4-CIR-60SB      | 46 | C5-CIR-60SB      | 55 | C4-CIRW-60SB     | 47 | C5-CIRW-60SB     | 56 | 68                  | 65 5/8 | 70 | 62 1/2 |

\*CEMA recommends D Idlers for 54" and 60" Flat Idlers.

| Belt Width | Standard Dimensions |       |       |
|------------|---------------------|-------|-------|
|            | A                   | G     | Gw    |
| 18         | 23 5/8              | 5     | 4     |
| 20         | 25 5/8              | 5 5/8 | 4 5/8 |
| 24         | 29 5/8              | 7     | 6     |
| 30         | 35 5/8              | 9     | 8     |
| 36         | 41 5/8              | 11    | 10    |
| 42         | 47 5/8              | 17    | 10    |
| 48         | 53 5/8              | 23    | 10    |
| 54         | 59 5/8              | 29    | 10    |
| 60         | 65 5/8              | 35    | 10    |

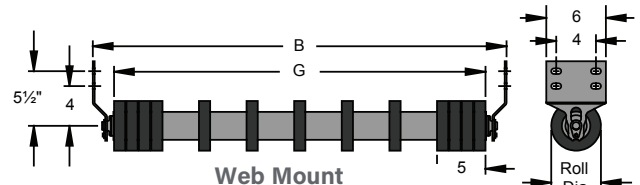
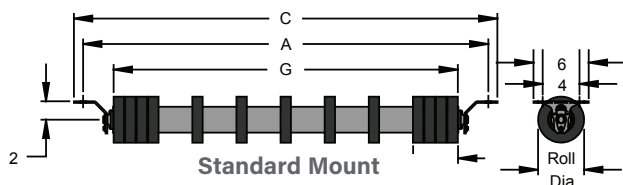


### 20° CHANNEL INSET IMPACT TROUGHER

| Belt Width | 4" Roll Diameter |         |          |        |       |    | 5" Roll Diameter |        |         |         |       |     |
|------------|------------------|---------|----------|--------|-------|----|------------------|--------|---------|---------|-------|-----|
|            | Part Number      | E       | H        | K      | K2    | WT | Part Number      | E      | H       | K       | K2    | WT  |
| 18         | C4-20CITI-18SB   | 5 15/16 | 17 1/16  | 4 3/16 | 2 7/8 | 33 | C5-20CITI-18SB   | 6 3/8  | 16 9/16 | 4 11/16 | 3 3/8 | 37  |
| 20         | C4-20CITI-20SB   | 6 1/8   | 18 13/16 | 4 3/16 | 2 7/8 | 37 | C5-20CITI-20SB   | 6 5/8  | 18 1/2  | 4 11/16 | 3 3/8 | 40  |
| 24         | C4-20CITI-24SB   | 6 5/8   | 22 13/16 | 4 3/16 | 2 7/8 | 42 | C5-20CITI-24SB   | 7 1/16 | 22 7/16 | 4 11/16 | 3 3/8 | 46  |
| 30         | C4-20CITI-30SB   | 7 5/16  | 28 5/16  | 4 3/16 | 2 7/8 | 50 | C5-20CITI-30SB   | 7 3/4  | 28 3/16 | 4 11/16 | 3 3/8 | 55  |
| 36         | C4-20CITI-36SB   | 7 15/16 | 34 5/16  | 4 3/16 | 2 7/8 | 56 | C5-20CITI-36SB   | 8 7/16 | 34      | 4 11/16 | 3 3/8 | 65  |
| 42         | C4-20CITI-42SB   | 7 15/16 | 40 5/16  | 4 3/16 | 2 7/8 | 64 | C5-20CITI-42SB   | 8 7/16 | 40      | 4 11/16 | 3 3/8 | 74  |
| 48         | -                | -       | -        | -      | -     | -  | C5-20CITI-48SB   | 8 7/16 | 46      | 4 11/16 | 3 3/8 | 84  |
| 54         | -                | -       | -        | -      | -     | -  | C5-20CITI-54SB   | 8 7/16 | 52      | 4 11/16 | 3 3/8 | 94  |
| 60         | -                | -       | -        | -      | -     | -  | C5-20CITI-60SB   | 8 7/16 | 58      | 4 11/16 | 3 3/8 | 102 |

### 35° CHANNEL INSET IMPACT TROUGHER

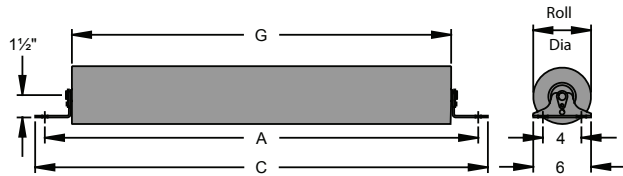
| Belt Width | 4" Roll Diameter |         |          |        |       |    | 5" Roll Diameter |          |          |         |       |     |
|------------|------------------|---------|----------|--------|-------|----|------------------|----------|----------|---------|-------|-----|
|            | Part Number      | E       | H        | K      | K2    | WT | Part Number      | E        | H        | K       | K2    | WT  |
| 18         | C4-35CITI-18SB   | 7 1/8   | 15 7/8   | 4 3/16 | 2 7/8 | 35 | C5-35CITI-18SB   | 7 1/2    | 15 5/16  | 4 11/16 | 3 3/8 | 39  |
| 20         | C4-35CITI-20SB   | 7 7/16  | 17 1/2   | 4 3/16 | 2 7/8 | 38 | C5-35CITI-20SB   | 7 7/8    | 16 15/16 | 4 11/16 | 3 3/8 | 41  |
| 24         | C4-35CITI-24SB   | 8 1/4   | 21 1/8   | 4 3/16 | 2 7/8 | 44 | C5-35CITI-24SB   | 8 5/8    | 20 9/16  | 4 11/16 | 3 3/8 | 47  |
| 30         | C4-35CITI-30SB   | 9 3/8   | 26 3/8   | 4 3/16 | 2 7/8 | 52 | C5-35CITI-30SB   | 9 13/16  | 25 13/16 | 4 11/16 | 3 3/8 | 58  |
| 36         | C4-35CITI-36SB   | 10 9/16 | 31 11/16 | 4 3/16 | 2 7/8 | 59 | C5-35CITI-36SB   | 10 15/16 | 31 1/16  | 4 11/16 | 3 3/8 | 67  |
| 42         | C4-35CITI-42SB   | 10 9/16 | 37 11/16 | 4 3/16 | 2 7/8 | 66 | C5-35CITI-42SB   | 10 15/16 | 37 1/16  | 4 11/16 | 3 3/8 | 77  |
| 48         | -                | -       | -        | -      | -     | -  | C5-35CITI-48SB   | 10 15/16 | 43 1/16  | 4 11/16 | 3 3/8 | 89  |
| 54         | -                | -       | -        | -      | -     | -  | C5-35CITI-54SB   | 10 15/16 | 49 1/16  | 4 11/16 | 3 3/8 | 98  |
| 60         | -                | -       | -        | -      | -     | -  | C5-35CITI-60SB   | 10 15/16 | 55 1/16  | 4 11/16 | 3 3/8 | 107 |



### CHANNEL INSET RETURN RUBBER DISC

| Belt Width | Standard Mount   |    |                  |    | Web Mount        |    |                  |    | Standard Dimensions |        |    |    |
|------------|------------------|----|------------------|----|------------------|----|------------------|----|---------------------|--------|----|----|
|            | 4" Roll Diameter |    | 5" Roll Diameter |    | 4" Roll Diameter |    | 5" Roll Diameter |    | A                   | B      | C  | G  |
|            | Part Number      | WT | Part Number      | WT | Part Number      | WT | Part Number      | WT |                     |        |    |    |
| 18         | C4-CIRRD-18SB    | 16 | C5-CIRRD-18SB    | 23 | C4-CIRRDW-18SB   | 18 | C5-CIRRDW-18SB   | 25 | 26                  | 23 5/8 | 28 | 20 |
| 20         | C4-CIRRD-20SB    | 17 | C5-CIRRD-20SB    | 23 | C4-CIRRDW-20SB   | 19 | C5-CIRRDW-20SB   | 25 | 28                  | 25 5/8 | 30 | 22 |
| 24         | C4-CIRRD-24SB    | 19 | C5-CIRRD-24SB    | 25 | C4-CIRRDW-24SB   | 21 | C5-CIRRDW-24SB   | 27 | 32                  | 29 5/8 | 34 | 26 |
| 30         | C4-CIRRD-30SB    | 22 | C5-CIRRD-30SB    | 29 | C4-CIRRDW-30SB   | 24 | C5-CIRRDW-30SB   | 31 | 38                  | 35 5/8 | 40 | 32 |
| 36         | C4-CIRRD-36SB    | 25 | C5-CIRRD-36SB    | 32 | C4-CIRRDW-36SB   | 27 | C5-CIRRDW-36SB   | 34 | 44                  | 41 5/8 | 46 | 38 |
| 42         | C4-CIRRD-42SB    | 27 | C5-CIRRD-42SB    | 36 | C4-CIRRDW-42SB   | 29 | C5-CIRRDW-42SB   | 38 | 50                  | 47 5/8 | 52 | 44 |
| 48         | C4-CIRRD-48SB    | 30 | C5-CIRRD-48SB    | 39 | C4-CIRRDW-48SB   | 32 | C5-CIRRDW-48SB   | 41 | 56                  | 53 5/8 | 58 | 50 |
| 54*        | C4-CIRRD-54SB    | 32 | C5-CIRRD-54SB    | 42 | C4-CIRRDW-54SB   | 34 | C5-CIRRDW-54SB   | 44 | 62                  | 59 5/8 | 64 | 56 |
| 60*        | C4-CIRRD-60SB    | 35 | C5-CIRRD-60SB    | 46 | C4-CIRRDW-60SB   | 37 | C5-CIRRDW-60SB   | 48 | 68                  | 65 5/8 | 70 | 62 |

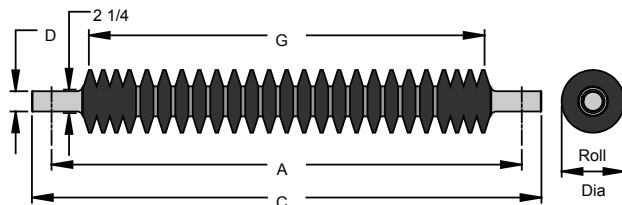
\*CEMA recommends D Idlers for 54" and 60" Flat Idlers.



## CHANNEL INSET FLAT CARRIER

| Belt Width | 4" Roll Diameter |    | 5" Roll Diameter |    | Standard Dimensions |    |        |
|------------|------------------|----|------------------|----|---------------------|----|--------|
|            | Part Number      | WT | Part Number      | WT | A                   | C  | G      |
| 18         | C4-CIF-18SB      | 20 | C5-CIF-18SB      | 23 | 26                  | 28 | 20 1/2 |
| 20         | C4-CIF-20SB      | 21 | C5-CIF-20SB      | 25 | 28                  | 30 | 22 1/2 |
| 24         | C4-CIF-24SB      | 24 | C5-CIF-24SB      | 28 | 32                  | 34 | 26 1/2 |
| 30         | C4-CIF-30SB      | 28 | C5-CIF-30SB      | 32 | 38                  | 40 | 32 1/2 |
| 36         | C4-CIF-36SB      | 31 | C5-CIF-36SB      | 37 | 44                  | 46 | 38 1/2 |
| 42         | C4-CIF-42SB      | 35 | C5-CIF-42SB      | 42 | 50                  | 52 | 44 1/2 |
| 48         | C4-CIF-48SB      | 39 | C5-CIF-48SB      | 46 | 56                  | 58 | 50 1/2 |
| 54*        | C4-CIF-54SB      | 43 | C5-CIF-54SB      | 51 | 62                  | 64 | 56 1/2 |
| 60*        | C4-CIF-60SB      | 46 | C5-CIF-60SB      | 55 | 68                  | 70 | 62 1/2 |

\*CEMA recommends D Idlers for 54" and 60" Flat Idlers.

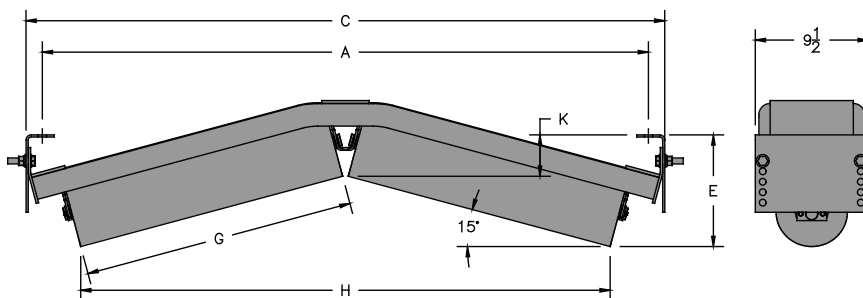


Live Shaft Idlers are available in several different configurations, such as with different bearing journal diameters or as a steel can.

Please contact PPI with your requirements.

## LIVE SHAFT IMPACT FLAT CARRIER

| Belt Width | 5" Roll Diameter |                  |     | 6" Roll Diameter |                  |     | Standard Dimensions |        |        |
|------------|------------------|------------------|-----|------------------|------------------|-----|---------------------|--------|--------|
|            | Part# (D=17/16)  | Part# (D=115/16) | WT  | Part# (D=17/16)  | Part# (D=115/16) | WT  | A                   | C      | G      |
| 18         | C5-23LSI-18      | C5-31LSI-18      | 44  | C6-23LSI-18      | C6-31LSI-18      | 48  | 27                  | 30 3/4 | 19 7/8 |
| 20         | C5-23LSI-20      | C5-31LSI-20      | 48  | C6-23LSI-20      | C6-31LSI-20      | 52  | 29                  | 32 3/4 | 21 7/8 |
| 24         | C5-23LSI-24      | C5-31LSI-24      | 54  | C6-23LSI-24      | C6-31LSI-24      | 60  | 33                  | 36 3/4 | 25 7/8 |
| 30         | C5-23LSI-30      | C5-31LSI-30      | 64  | C6-23LSI-30      | C6-31LSI-30      | 71  | 39                  | 42 3/4 | 31 7/8 |
| 36         | C5-23LSI-36      | C5-31LSI-36      | 74  | C6-23LSI-36      | C6-31LSI-36      | 82  | 45                  | 48 3/4 | 37 7/8 |
| 42         | C5-23LSI-42      | C5-31LSI-42      | 84  | C6-23LSI-42      | C6-31LSI-42      | 94  | 51                  | 54 3/4 | 43 7/8 |
| 48         | C5-23LSI-48      | C5-31LSI-48      | 94  | C6-23LSI-48      | C6-31LSI-48      | 105 | 57                  | 60 3/4 | 49 7/8 |
| 54         | C5-23LSI-54      | C5-31LSI-54      | 104 | C6-23LSI-54      | C6-31LSI-54      | 116 | 63                  | 66 3/4 | 55 7/8 |
| 60         | C5-23LSI-60      | C5-31LSI-60      | 114 | C6-23LSI-60      | C6-31LSI-60      | 128 | 69                  | 72 3/4 | 61 7/8 |



## INVERTED V-RETURN

| Belt Width | Standard Dimameter |       |       |
|------------|--------------------|-------|-------|
|            | A                  | C     | G     |
| 18         | 27                 | 29.75 | 10.63 |
| 24         | 33                 | 35.75 | 13.66 |
| 30         | 39                 | 41.75 | 16.70 |
| 36         | 45                 | 47.75 | 19.75 |
| 42         | 51                 | 53.75 | 22.81 |
| 48         | 57                 | 59.75 | 25.84 |
| 54         | 63                 | 65.75 | 28.88 |
| 60         | 69                 | 71.75 | 31.94 |
| 66         | 75                 | 76.75 | 35.00 |

| Belt Width | 4" Roll Diameter |      |       |       |     | 5" Roll Diameter |      |       |       |     | 6" Roll Diameter |      |       |      |     |
|------------|------------------|------|-------|-------|-----|------------------|------|-------|-------|-----|------------------|------|-------|------|-----|
|            | Part Number      | E    | H     | K     | WT  | Part Number      | E    | H     | K     | WT  | Part Number      | E    | H     | K    | WT  |
| 18         | C4-15IVR-18SB-4  | 8.48 | 21.56 | 5.73  | 92  | C5-15IVR-18SB-4  | 8.96 | 21.26 | 6.21  | 66  | C6-15IVR-18SB-4  | 9.44 | 21.00 | 6.69 | 72  |
| 24         | C4-15IVR-24SB-4  | 8.46 | 27.42 | 4.93  | 71  | C5-15IVR-24SB-4  | 8.94 | 27.12 | 5.41  | 75  | C6-15IVR-24SB-4  | 9.42 | 26.86 | 5.89 | 83  |
| 30         | C4-15IVR-30SB-4  | 8.44 | 33.30 | 4.12  | 79  | C5-15IVR-30SB-4  | 8.93 | 33.00 | 4.60  | 84  | C6-15IVR-30SB-4  | 9.41 | 32.74 | 5.08 | 93  |
| 36         | C4-15IVR-36SB-4  | 8.43 | 39.19 | 3.32  | 88  | C5-15IVR-36SB-4  | 8.91 | 38.89 | 3.80  | 93  | C6-15IVR-36SB-4  | 9.39 | 38.63 | 4.28 | 104 |
| 42         | C4-15IVR-42SB-4  | 8.42 | 45.10 | 2.52  | 96  | C5-15IVR-42SB-4  | 8.90 | 44.80 | 3.00  | 103 | C6-15IVR-42SB-4  | 9.38 | 44.55 | 3.48 | 114 |
| 48         | C4-15IVR-48SB-4  | 8.40 | 50.96 | 1.71  | 105 | C5-15IVR-48SB-4  | 8.88 | 50.66 | 2.19  | 112 | C6-15IVR-48SB-4  | 9.36 | 50.40 | 2.67 | 125 |
| 54         | C4-15IVR-54SB-4  | 8.38 | 56.81 | 0.91  | 113 | C5-15IVR-54SB-4  | 8.86 | 56.52 | 1.39  | 121 | C6-15IVR-54SB-4  | 9.34 | 56.26 | 1.87 | 135 |
| 60         | C4-15IVR-60SB-4  | 8.37 | 62.73 | 0.10  | 121 | C5-15IVR-60SB-4  | 8.85 | 62.43 | 0.58  | 130 | C6-15IVR-60SB-4  | 9.33 | 62.18 | 1.06 | 146 |
| 66         | C4-15IVR-66SB-4  | 8.36 | 68.65 | -0.70 | 130 | C5-15IVR-66SB-4  | 8.84 | 68.35 | -0.22 | 139 | C6-15IVR-66SB-4  | 9.32 | 68.09 | 0.26 | 156 |

\*Dimensions are for top position. There are four additional positions available.

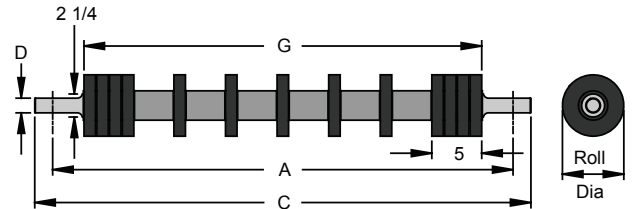
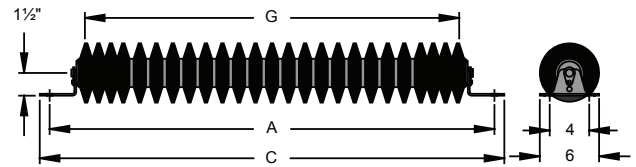
## CHANNEL INSET FLAT IMPACT

| Belt Width | 5" Roll Diameter |    | Standard Dimensions |    |    |
|------------|------------------|----|---------------------|----|----|
|            | Part Number      | WT | A                   | C  | G  |
| 18         | C5-CIFRD-18SB    | 23 | 26                  | 28 | 19 |
| 20         | C5-CIFRD-20SB    | 23 | 28                  | 30 | 21 |
| 24         | C5-CIFRD-24SB    | 25 | 32                  | 34 | 25 |
| 30         | C5-CIFRD-30SB    | 29 | 38                  | 40 | 31 |
| 36         | C5-CIFRD-36SB    | 32 | 44                  | 46 | 37 |
| 42         | C5-CIFRD-42SB    | 36 | 50                  | 52 | 43 |
| 48         | C5-CIFRD-48SB    | 39 | 56                  | 58 | 49 |
| 54*        | C5-CIFRD-54SB    | 42 | 62                  | 64 | 55 |
| 60*        | C5-CIFRD-60SB    | 46 | 68                  | 70 | 61 |

\*CEMA recommends D Idlers for 54" and 60" Flat Idlers.

Live Shaft Idlers are available in several different configurations, such as with different bearing journal diameters or as a steel can.

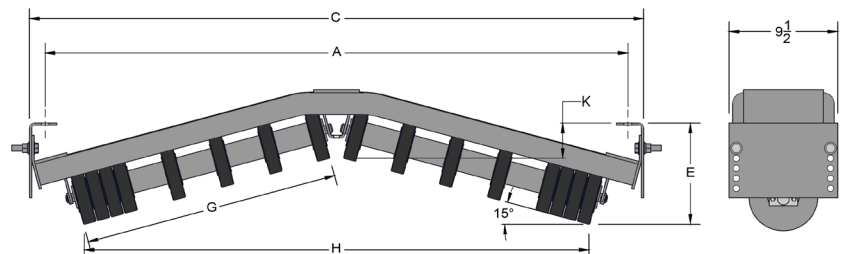
Please contact PPI with your requirements.



## LIVE SHAFT RETURN RUBBER DISC

| Belt Width | 5" Roll Diameter |                  |    | 6" Roll Diameter |                  |    | Standard Dimensions |        |        |
|------------|------------------|------------------|----|------------------|------------------|----|---------------------|--------|--------|
|            | Part# (D=17/16)  | Part# (D=115/16) | WT | Part# (D=17/16)  | Part# (D=115/16) | WT | A                   | C      | G      |
| 18         | C5-23LSRRD-18    | C5-31LSRRD-18    | 28 | C6-23LSRRD-18    | C6-31LSRRD-18    | 33 | 27                  | 30 1/2 | 20 7/8 |
| 20         | C5-23LSRRD-20    | C5-31LSRRD-20    | 29 | C6-23LSRRD-20    | C6-31LSRRD-20    | 33 | 29                  | 32 1/2 | 22 7/8 |
| 24         | C5-23LSRRD-24    | C5-31LSRRD-24    | 32 | C6-23LSRRD-24    | C6-31LSRRD-24    | 37 | 33                  | 36 1/2 | 26 7/8 |
| 30         | C5-23LSRRD-30    | C5-31LSRRD-30    | 36 | C6-23LSRRD-30    | C6-31LSRRD-30    | 42 | 39                  | 42 1/2 | 32 7/8 |
| 36         | C5-23LSRRD-36    | C5-31LSRRD-36    | 40 | C6-23LSRRD-36    | C6-31LSRRD-36    | 46 | 45                  | 48 1/2 | 38 7/8 |
| 42         | C5-23LSRRD-42    | C5-31LSRRD-42    | 44 | C6-23LSRRD-42    | C6-31LSRRD-42    | 50 | 51                  | 54 1/2 | 44 7/8 |
| 48         | C5-23LSRRD-48    | C5-31LSRRD-48    | 48 | C6-23LSRRD-48    | C6-31LSRRD-48    | 55 | 57                  | 60 1/2 | 50 7/8 |
| 54         | C5-23LSRRD-54    | C5-31LSRRD-54    | 53 | C6-23LSRRD-54    | C6-31LSRRD-54    | 59 | 63                  | 66 1/2 | 56 7/8 |
| 60         | C5-23LSRRD-60    | C5-31LSRRD-60    | 57 | C6-23LSRRD-60    | C6-31LSRRD-60    | 64 | 69                  | 72 1/2 | 62 7/8 |

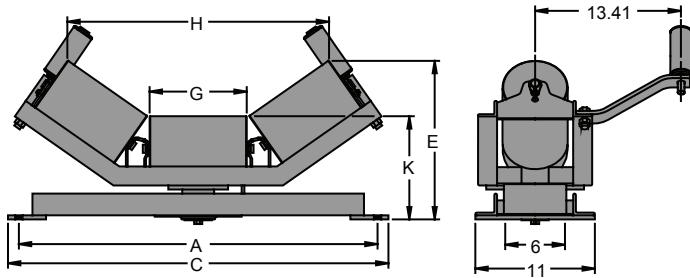
| Belt Width | Standard Dimensions |       |       |
|------------|---------------------|-------|-------|
|            | A                   | C     | G     |
| 18         | 27                  | 29.75 | 10.13 |
| 24         | 33                  | 35.75 | 13.16 |
| 30         | 39                  | 41.75 | 16.20 |
| 36         | 45                  | 47.75 | 19.25 |
| 42         | 51                  | 53.75 | 22.31 |
| 48         | 57                  | 59.75 | 25.34 |
| 54         | 63                  | 65.75 | 28.38 |
| 60         | 69                  | 71.75 | 31.44 |



## INVERTED V-RETURN RUBBER DISC

| Belt Width | 4" Roll Diameter |      |       |      |    | 5" Roll Diameter |      |       |      |     | 6" Roll Diameter |      |       |      |     |
|------------|------------------|------|-------|------|----|------------------|------|-------|------|-----|------------------|------|-------|------|-----|
|            | Part Number      | E    | H     | K    | WT | Part Number      | E    | H     | K    | WT  | Part Number      | E    | H     | K    | WT  |
| 18         | C415IVRI18SB-4   | 8.40 | 20.85 | 5.82 | 54 | C515IVRI18SB-4   | 8.89 | 20.59 | 6.30 | 59  | C615IVRI18SB-4   | 9.37 | 20.33 | 6.78 | 64  |
| 24         | C415IVRI24SB-4   | 8.39 | 26.70 | 5.01 | 59 | C515IVRI24SB-4   | 8.87 | 26.44 | 5.50 | 64  | C615IVRI24SB-4   | 9.35 | 26.19 | 5.98 | 69  |
| 30         | C415IVRI30SB-4   | 8.37 | 32.59 | 4.21 | 65 | C515IVRI30SB-4   | 8.85 | 32.33 | 4.69 | 71  | C615IVRI30SB-4   | 9.34 | 32.07 | 5.17 | 77  |
| 36         | C415IVRI36SB-4   | 8.35 | 38.48 | 3.41 | 70 | C515IVRI36SB-4   | 8.84 | 38.22 | 3.89 | 76  | C615IVRI36SB-4   | 9.32 | 37.96 | 4.37 | 82  |
| 42         | C415IVRI42SB-4   | 8.34 | 44.39 | 2.60 | 76 | C515IVRI42SB-4   | 8.83 | 44.13 | 3.08 | 83  | C615IVRI42SB-4   | 9.31 | 43.87 | 3.57 | 89  |
| 48         | C415IVRI48SB-4   | 8.32 | 50.25 | 1.80 | 81 | C515IVRI48SB-4   | 8.81 | 49.99 | 2.28 | 87  | C615IVRI48SB-4   | 9.29 | 49.73 | 2.76 | 94  |
| 54         | C415IVRI54SB-4   | 8.31 | 56.10 | 0.99 | 86 | C515IVRI54SB-4   | 8.79 | 55.85 | 1.48 | 94  | C615IVRI54SB-4   | 9.27 | 55.59 | 1.96 | 102 |
| 60         | C415IVRI60SB-4   | 8.29 | 62.02 | 0.19 | 92 | C515IVRI60SB-4   | 8.78 | 61.76 | 0.67 | 101 | C615IVRI60SB-4   | 9.26 | 61.50 | 1.16 | 109 |

\*Dimensions are for top position. There are four additional positions available.



| Belt Width | Standard Dimensions |    |         | Roll Height "K" |       |       | Wide Base |    |
|------------|---------------------|----|---------|-----------------|-------|-------|-----------|----|
|            | A                   | C  | G       | 4"              | 5"    | 6"    | Aw        | Cw |
| 18         | 27                  | 29 | 6 3/4   | 8 1/2           | 9     | 9 1/2 | 33        | 35 |
| 20         | 29                  | 31 | 7 5/8   | 8 1/2           | 9     | 9 1/2 | 35        | 37 |
| 24         | 33                  | 35 | 8 15/16 | 8 1/2           | 9     | 9 1/2 | 39        | 41 |
| 30         | 39                  | 41 | 11 1/8  | 8 1/2           | 9     | 9 1/2 | 45        | 47 |
| 36         | 45                  | 47 | 13 1/4  | 8 1/2           | 9     | 9 1/2 | 51        | 53 |
| 42         | 51                  | 53 | 15 7/16 | 9               | 9 1/2 | 10    | 57        | 59 |
| 48         | 57                  | 59 | 17 5/8  | 9               | 9 1/2 | 10    | 63        | 65 |
| 54         | 63                  | 65 | 19 3/4  | 9               | 9 1/2 | 10    | 69        | 71 |
| 60         | 69                  | 71 | 21 3/4  | 9               | 9 1/2 | 10    | 75        | 77 |

## 20° SELF-ALIGNER EQUAL TROUGH

| Belt Width | 4" Roll Diameter |          |         |     | 5" Roll Diameter |          |          |     | 6" Roll Diameter |         |          |     |
|------------|------------------|----------|---------|-----|------------------|----------|----------|-----|------------------|---------|----------|-----|
|            | Part Number      | E        | H       | WT  | Part Number      | E        | H        | WT  | Part Number      | E       | H        | WT  |
| 18         | C4-20TESA-18SB   | 10 15/16 | 21 1/16 | 90  | C5-20TESA-18SB   | 11 7/16  | 20 11/16 | 94  | C6-20TESA-18SB   | 11 7/8  | 20 3/8   | 102 |
| 20         | C4-20TESA-20SB   | 11 1/4   | 23 9/16 | 94  | C5-20TESA-20SB   | 11 3/4   | 23 1/4   | 98  | C6-20TESA-20SB   | 12 3/16 | 22 7/8   | 107 |
| 24         | C4-20TESA-24SB   | 11 11/16 | 27 3/8  | 100 | C5-20TESA-24SB   | 12 3/16  | 27 1/16  | 105 | C6-20TESA-24SB   | 12 5/8  | 26 11/16 | 115 |
| 30         | C4-20TESA-30SB   | 12 1/2   | 33 5/8  | 111 | C5-20TESA-30SB   | 12 15/16 | 33 3/8   | 116 | C6-20TESA-30SB   | 13 7/16 | 32 15/16 | 127 |
| 36         | C4-20TESA-36SB   | 13 3/16  | 39 3/4  | 121 | C5-20TESA-36SB   | 13 11/16 | 39 7/16  | 127 | C6-20TESA-36SB   | 14 1/8  | 39 1/8   | 140 |
| 42         | C4-20TESA-42SB   | 14 7/16  | 46 1/16 | 148 | C5-20TESA-42SB   | 14 15/16 | 45 3/4   | 155 | C6-20TESA-42SB   | 15 3/8  | 45 7/16  | 169 |
| 48         | C4-20TESA-48SB   | 15 3/16  | 52 3/8  | 161 | C5-20TESA-48SB   | 15 11/16 | 52 1/16  | 169 | C6-20TESA-48SB   | 16 1/8  | 51 3/4   | 184 |
| 54         | C4-20TESA-54SB   | 15 15/16 | 58 1/2  | 173 | C5-20TESA-54SB   | 16 3/8   | 58 3/16  | 182 | C6-20TESA-54SB   | 16 7/8  | 57 13/16 | 199 |
| 60         | C4-20TESA-60SB   | 16 9/16  | 64 1/4  | 185 | C5-20TESA-60SB   | 17 1/16  | 63 7/8   | 194 | C6-20TESA-60SB   | 17 1/2  | 63 9/16  | 213 |

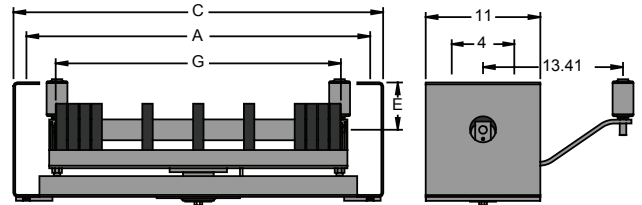
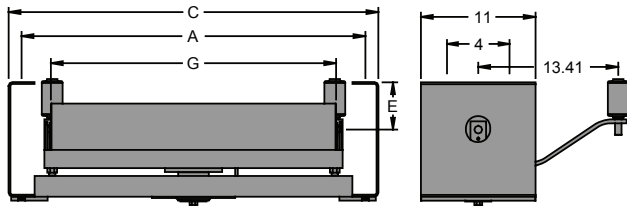
## 35° SELF-ALIGNER EQUAL TROUGH

| Belt Width | 4" Roll Diameter |         |          |     | 5" Roll Diameter |          |          |     | 6" Roll Diameter |          |          |     |
|------------|------------------|---------|----------|-----|------------------|----------|----------|-----|------------------|----------|----------|-----|
|            | Part Number      | E       | H        | WT  | Part Number      | E        | H        | WT  | Part Number      | E        | H        | WT  |
| 18         | C4-35TESA-18SB   | 12 5/8  | 19 3/8   | 94  | C5-35TESA-18SB   | 13 1/16  | 18 13/16 | 97  | C6-35TESA-18SB   | 13 9/16  | 18 1/4   | 106 |
| 20         | C4-35TESA-20SB   | 13 1/8  | 21 11/16 | 98  | C5-35TESA-20SB   | 13 9/16  | 21 1/8   | 101 | C6-35TESA-20SB   | 14       | 20 9/16  | 111 |
| 24         | C4-35TESA-24SB   | 13 7/8  | 25 1/8   | 104 | C5-35TESA-24SB   | 14 5/16  | 24 9/16  | 108 | C6-35TESA-24SB   | 14 3/4   | 24 1/16  | 118 |
| 30         | C4-35TESA-30SB   | 15 1/8  | 30 15/16 | 114 | C5-35TESA-30SB   | 15 9/16  | 30 3/8   | 119 | C6-35TESA-30SB   | 16 1/16  | 29 13/16 | 131 |
| 36         | C4-35TESA-36SB   | 16 5/16 | 36 1/2   | 124 | C5-35TESA-36SB   | 16 3/4   | 35 15/16 | 130 | C6-35TESA-36SB   | 17 3/16  | 35 7/16  | 143 |
| 42         | C4-35TESA-42SB   | 18 1/8  | 42 5/16  | 153 | C5-35TESA-42SB   | 18 9/16  | 41 3/4   | 159 | C6-35TESA-42SB   | 18 15/16 | 41 3/16  | 174 |
| 48         | C4-35TESA-48SB   | 19 3/8  | 48 1/16  | 165 | C5-35TESA-48SB   | 19 13/16 | 47 1/2   | 173 | C6-35TESA-48SB   | 20 3/16  | 46 15/16 | 188 |
| 54         | C4-35TESA-54SB   | 20 5/8  | 53 11/16 | 177 | C5-35TESA-54SB   | 21       | 53 1/8   | 186 | C6-35TESA-54SB   | 21 7/16  | 52 9/16  | 203 |
| 60         | C4-35TESA-60SB   | 21 3/4  | 58 15/16 | 189 | C5-35TESA-60SB   | 22 3/16  | 58 3/8   | 198 | C6-35TESA-60SB   | 22 9/16  | 57 7/8   | 217 |

## 45° SELF-ALIGNER EQUAL TROUGH

| Belt Width | 4" Roll Diameter |          |          |     | 5" Roll Diameter |          |          |     | 6" Roll Diameter |          |          |     |
|------------|------------------|----------|----------|-----|------------------|----------|----------|-----|------------------|----------|----------|-----|
|            | Part Number      | E        | H        | WT  | Part Number      | E        | H        | WT  | Part Number      | E        | H        | WT  |
| 18         | C4-45TESA-18SB   | 13 11/16 | 18 1/8   | 94  | C5-45TESA-18SB   | 13 7/8   | 17 1/2   | 98  | C6-45TESA-18SB   | 14 3/8   | 16 13/16 | 106 |
| 20         | C4-45TESA-20SB   | 14 1/4   | 20 5/16  | 98  | C5-45TESA-20SB   | 14 1/2   | 19 5/8   | 102 | C6-45TESA-20SB   | 15       | 18 15/16 | 111 |
| 24         | C4-45TESA-24SB   | 15 3/16  | 23 3/8   | 104 | C5-45TESA-24SB   | 15 3/8   | 22 3/4   | 109 | C6-45TESA-24SB   | 15 7/8   | 22 1/8   | 119 |
| 30         | C4-45TESA-30SB   | 16 3/4   | 28 11/16 | 115 | C5-45TESA-30SB   | 16 15/16 | 28 1/16  | 120 | C6-45TESA-30SB   | 17 1/2   | 27 3/8   | 131 |
| 36         | C4-45TESA-36SB   | 18 1/4   | 33 7/8   | 125 | C5-45TESA-36SB   | 18 7/16  | 33 1/8   | 131 | C6-45TESA-36SB   | 18 15/16 | 32 5/16  | 143 |
| 42         | C4-45TESA-42SB   | 20 5/16  | 39 1/8   | 153 | C5-45TESA-42SB   | 20 7/16  | 38 7/16  | 160 | C6-45TESA-42SB   | 21       | 37 11/16 | 175 |
| 48         | C4-45TESA-48SB   | 21 7/8   | 44 7/16  | 166 | C5-45TESA-48SB   | 22       | 43 11/16 | 174 | C6-45TESA-48SB   | 22 9/16  | 43 1/16  | 189 |
| 54         | C4-45TESA-54SB   | 23 3/8   | 49 9/16  | 178 | C5-45TESA-54SB   | 23 11/16 | 48 13/16 | 187 | C6-45TESA-54SB   | 24 1/16  | 48 1/16  | 204 |
| 60         | C4-45TESA-60SB   | 24 3/4   | 54 3/8   | 190 | C5-45TESA-60SB   | 25 1/8   | 53 11/16 | 199 | C6-45TESA-60SB   | 25 7/16  | 53       | 218 |





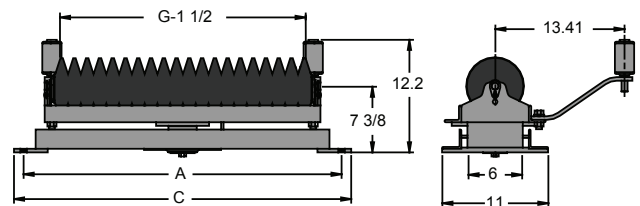
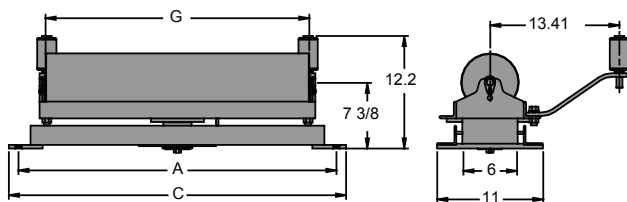
### RETURN SELF-ALIGNER

| Belt Width | 4" Roll Diameter |     | 5" Roll Diameter |     | 6" Roll Diameter |     | Standard Dimensions |    |       |        | Wide Base |    |
|------------|------------------|-----|------------------|-----|------------------|-----|---------------------|----|-------|--------|-----------|----|
|            | Part Number      | WT  | Part Number      | WT  | Part Number      | WT  | A                   | C  | E     | G      | Aw        | Cw |
| 18         | C4-RSA-18SB      | 96  | C5-RSA-18SB      | 100 | C6-RSA-18SB      | 106 | 27                  | 29 | 4 1/2 | 21 3/8 | 33        | 35 |
| 20         | C4-RSA-20SB      | 100 | C5-RSA-20SB      | 103 | C6-RSA-20SB      | 110 | 29                  | 31 | 4 1/2 | 23 3/8 | 35        | 37 |
| 24         | C4-RSA-24SB      | 106 | C5-RSA-24SB      | 110 | C6-RSA-24SB      | 117 | 33                  | 35 | 4 1/2 | 27 3/8 | 39        | 41 |
| 30         | C4-RSA-30SB      | 116 | C5-RSA-30SB      | 121 | C6-RSA-30SB      | 129 | 39                  | 41 | 4 1/2 | 33 3/8 | 45        | 47 |
| 36         | C4-RSA-36SB      | 126 | C5-RSA-36SB      | 131 | C6-RSA-36SB      | 141 | 45                  | 47 | 4 1/2 | 39 3/8 | 51        | 53 |
| 42         | C4-RSA-42SB      | 141 | C5-RSA-42SB      | 147 | C6-RSA-42SB      | 159 | 51                  | 53 | 4 1/2 | 45 3/8 | 57        | 59 |
| 48         | C4-RSA-48SB      | 153 | C5-RSA-48SB      | 160 | C6-RSA-48SB      | 172 | 57                  | 59 | 4 1/2 | 51 3/8 | 63        | 65 |
| 54*        | C4-RSA-54SB      | 163 | C5-RSA-54SB      | 171 | C6-RSA-54SB      | 185 | 63                  | 65 | 4 1/2 | 57 3/8 | 69        | 71 |
| 60*        | C4-RSA-60SB      | 174 | C5-RSA-60SB      | 182 | C6-RSA-60SB      | 197 | 69                  | 71 | 4 1/2 | 63 3/8 | 75        | 77 |

### RETURN RUBBER DISC SELF-ALIGNER

| Belt Width | 4" Roll Diameter |     | 5" Roll Diameter |     | 6" Roll Diameter |     | Standard Dimensions |    |       |        | Wide Base |    |
|------------|------------------|-----|------------------|-----|------------------|-----|---------------------|----|-------|--------|-----------|----|
|            | Part Number      | WT  | Part Number      | WT  | Part Number      | WT  | A                   | C  | E     | G      | Aw        | Cw |
| 18         | C4-RRDSA-18SB    | 96  | C5-RRDSA-18SB    | 99  | C6-RRDSA-18SB    | 103 | 27                  | 29 | 4 1/2 | 20 7/8 | 33        | 35 |
| 20         | C4-RRDSA-20SB    | 99  | C5-RRDSA-20SB    | 102 | C6-RRDSA-20SB    | 106 | 29                  | 31 | 4 1/2 | 22 7/8 | 35        | 37 |
| 24         | C4-RRDSA-24SB    | 105 | C5-RRDSA-24SB    | 108 | C6-RRDSA-24SB    | 113 | 33                  | 35 | 4 1/2 | 26 7/8 | 39        | 41 |
| 30         | C4-RRDSA-30SB    | 113 | C5-RRDSA-30SB    | 117 | C6-RRDSA-30SB    | 122 | 39                  | 41 | 4 1/2 | 32 7/8 | 45        | 47 |
| 36         | C4-RRDSA-36SB    | 122 | C5-RRDSA-36SB    | 127 | C6-RRDSA-36SB    | 132 | 45                  | 47 | 4 1/2 | 38 7/8 | 51        | 53 |
| 42         | C4-RRDSA-42SB    | 137 | C5-RRDSA-42SB    | 141 | C6-RRDSA-42SB    | 148 | 51                  | 53 | 4 1/2 | 44 7/8 | 57        | 59 |
| 48         | C4-RRDSA-48SB    | 147 | C5-RRDSA-48SB    | 152 | C6-RRDSA-48SB    | 159 | 57                  | 59 | 4 1/2 | 50 7/8 | 63        | 65 |
| 54*        | C4-RRDSA-54SB    | 157 | C5-RRDSA-54SB    | 162 | C6-RRDSA-54SB    | 169 | 63                  | 65 | 4 1/2 | 56 7/8 | 69        | 71 |
| 60*        | C4-RRDSA-60SB    | 167 | C5-RRDSA-60SB    | 172 | C6-RRDSA-60SB    | 179 | 69                  | 71 | 4 1/2 | 62 7/8 | 75        | 77 |

\*CEMA recommends D Idlers for 54" and 60" Flat Idlers. RSAs & RRDSAs are available with 1 1/2" drop (E). To specify 1 1/2" drop, add "-1" to end of part number



### FLAT CARRIER SELF-ALIGNER

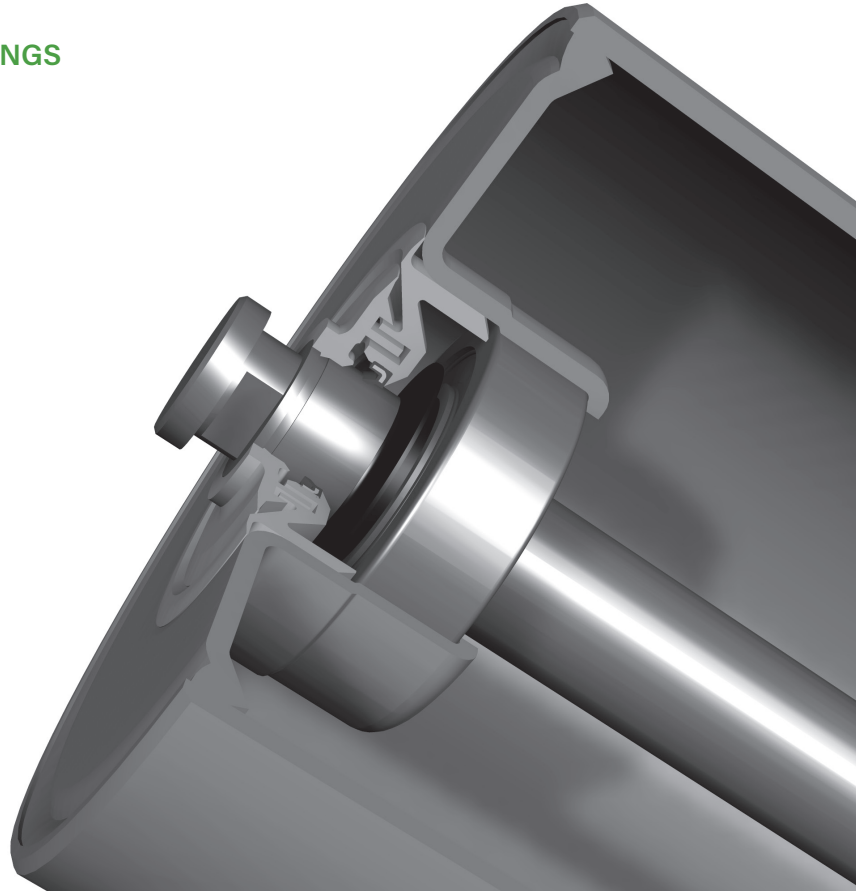
| Belt Width | Steel Rolls      |     |                  |     |                  |     | Rubber Disc Rolls |     |                  |     | Standard Dimensions |    |        | Wide Base |    |
|------------|------------------|-----|------------------|-----|------------------|-----|-------------------|-----|------------------|-----|---------------------|----|--------|-----------|----|
|            | 4" Roll Diameter |     | 5" Roll Diameter |     | 6" Roll Diameter |     | 5" Roll Diameter  |     | 6" Roll Diameter |     |                     |    |        |           |    |
|            | Part Number      | WT  | Part Number      | WT  | Part Number      | WT  | Part Number       | WT  | Part Number      | WT  | A                   | C  | G      | Aw        | Cw |
| 18         | C4-FSA-18SB      | 80  | C5-FSA-18SB      | 83  | C6-FSA-18SB      | 89  | C5-FRDSA-18SB     | 89  | C6-FRDSA-18SB    | 95  | 27                  | 29 | 21 3/8 | 33        | 35 |
| 20         | C4-FSA-20SB      | 84  | C5-FSA-20SB      | 87  | C6-FSA-20SB      | 93  | C5-FRDSA-20SB     | 93  | C6-FRDSA-20SB    | 99  | 29                  | 31 | 23 3/8 | 35        | 37 |
| 24         | C4-FSA-24SB      | 90  | C5-FSA-24SB      | 94  | C6-FSA-24SB      | 101 | C5-FRDSA-24SB     | 102 | C6-FRDSA-24SB    | 109 | 33                  | 35 | 27 3/8 | 39        | 41 |
| 30         | C4-FSA-30SB      | 100 | C5-FSA-30SB      | 104 | C6-FSA-30SB      | 113 | C5-FRDSA-30SB     | 114 | C6-FRDSA-30SB    | 123 | 39                  | 41 | 33 3/8 | 45        | 47 |
| 36         | C4-FSA-36SB      | 110 | C5-FSA-36SB      | 115 | C6-FSA-36SB      | 125 | C5-FRDSA-36SB     | 127 | C6-FRDSA-36SB    | 137 | 45                  | 47 | 39 3/8 | 51        | 53 |
| 42         | C4-FSA-42SB      | 126 | C5-FSA-42SB      | 132 | C6-FSA-42SB      | 143 | C5-FRDSA-42SB     | 146 | C6-FRDSA-42SB    | 157 | 51                  | 53 | 45 3/8 | 57        | 59 |
| 48         | C4-FSA-48SB      | 136 | C5-FSA-48SB      | 143 | C6-FSA-48SB      | 156 | C5-FRDSA-48SB     | 159 | C6-FRDSA-48SB    | 172 | 57                  | 59 | 51 3/8 | 63        | 65 |
| 54*        | C4-FSA-54SB      | 147 | C5-FSA-54SB      | 155 | C6-FSA-54SB      | 169 | C5-FRDSA-54SB     | 172 | C6-FRDSA-54SB    | 187 | 63                  | 65 | 57 3/8 | 69        | 71 |
| 60*        | C4-FSA-60SB      | 157 | C5-FSA-60SB      | 166 | C6-FSA-60SB      | 181 | C5-FRDSA-60SB     | 186 | C6-FRDSA-60SB    | 202 | 69                  | 71 | 63 3/8 | 75        | 77 |

\*CEMA recommends D Idlers for 54" and 60" Flat Idlers.



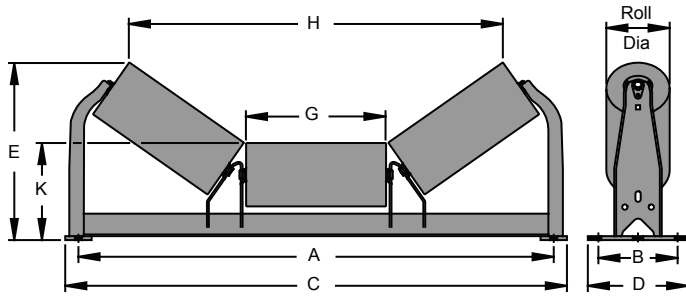
## CEMA D CLASS IDLERS PRODUCT OFFERINGS

- Equal Trougher
- Equal Impact Trougher
- Unequal Trougher
- Unequal Impact Trougher
- Flat Carrier
- Impact Flat Carrier
- Return Roller
- Return Rubber Disc
- Channel Inset Flat Carrier
- Channel Inset Flat Rubber Disc Carrier
- Channel Inset Trougher
- Channel Inset Return Roller
- Channel Inset Impact Trougher
- Channel Inset Impact Return Roller
- Self-Aligner Trougher
- Self-Aligner Return Roller
- Self-Aligner Flat Roller
- Additional Configurations Available



## CEMA D LOAD RATINGS

| BELT<br>WIDTH | TROUGHING ANGLE |       |       | RETURN<br>& FLAT | TWO-ROLL<br>V-RETURNS | UNEQUAL (Picking) | LIVE<br>SHAFT |
|---------------|-----------------|-------|-------|------------------|-----------------------|-------------------|---------------|
|               | 20°             | 35°   | 45°   |                  |                       |                   |               |
| 18            | 1200            | 1200  | 1200  | 600              | 850                   | 600               | 1,400         |
| 24            | 1200            | 1200  | 1200  | 600              | 850                   | 600               | 1,400         |
| 30            | 1200            | 1200  | 1200  | 600              | 850                   | 600               | 1,400         |
| 36            | 1200            | 1200  | 1200  | 600              | 850                   | 600               | 1,400         |
| 42            | 1200            | 1200  | 1200  | 500              | 850                   | 600               | 1,400         |
| 48            | 1200            | 1200  | 1200  | 425              | 850                   | 530               | 1,275         |
| 54            | 1200            | 1,116 | 1,080 | 375              | 850                   | 440               | 1,150         |
| 60            | 1,150           | 1,070 | 1,035 | 280              | 850                   | 400               | 1,000         |
| 66            | –               | –     | –     | 215              | 850                   | –                 | –             |
| 72            | 1,050           | 977   | 945   | 155              | 850                   | 280               | 850           |
| 78            | –               | –     | –     | 125              | 850                   | –                 | –             |



| Belt Width | Standard Dimensions |       |        |          |         |  | Wide Base |        |
|------------|---------------------|-------|--------|----------|---------|--|-----------|--------|
|            | A                   | B     | C      | D        | G       |  | Aw        | Cw     |
| 24         | 33                  | 6     | 35     | 8        | 8 15/16 |  | 39        | 41     |
| 30         | 39                  | 6     | 41 1/2 | 9 1/2    | 11 1/8  |  | 45        | 47 1/2 |
| 36         | 45                  | 6     | 47 1/2 | 9 1/2    | 13 1/4  |  | 51        | 53 1/2 |
| 42         | 51                  | 7 1/2 | 53 1/2 | 9 1/2    | 15 7/16 |  | 57        | 59 1/2 |
| 48         | 57                  | 7 1/2 | 59 1/2 | 9 1/2    | 17 5/8  |  | 63        | 65 1/2 |
| 54         | 63                  | 9     | 65 1/2 | 10 15/16 | 19 3/4  |  | 69        | 71 1/2 |
| 60         | 69                  | 9     | 71 1/2 | 10 15/16 | 21 3/4  |  | 75        | 77 1/2 |
| 72         | 81                  | 9     | 83 1/2 | 11       | 26      |  | 87        | 59 1/2 |

## 20° EQUAL TROUGHER

| Belt Width | 5" Roll Diameter |          |         |       |     | 6" Roll Diameter |         |          |       |     |
|------------|------------------|----------|---------|-------|-----|------------------|---------|----------|-------|-----|
|            | Part Number      | E        | H       | K     | WT  | Part Number      | E       | H        | K     | WT  |
| 24         | D5-20TE-24SB     | 11 11/16 | 27 1/16 | 8 1/2 | 48  | D6-20TE-24SB     | 12 1/8  | 26 11/16 | 9     | 56  |
| 30         | D5-20TE-30SB     | 12 9/16  | 33 3/8  | 8 5/8 | 58  | D6-20TE-30SB     | 13 1/16 | 32 15/16 | 9 1/8 | 66  |
| 36         | D5-20TE-36SB     | 13 5/16  | 39 7/16 | 8 5/8 | 65  | D6-20TE-36SB     | 13 3/4  | 39 1/8   | 9 1/8 | 75  |
| 42         | D5-20TE-42SB     | 14 7/16  | 45 3/4  | 9     | 82  | D6-20TE-42SB     | 14 7/8  | 45 7/16  | 9 1/2 | 93  |
| 48         | D5-20TE-48SB     | 15 3/16  | 52 1/16 | 9     | 91  | D6-20TE-48SB     | 15 5/8  | 51 3/4   | 9 1/2 | 103 |
| 54         | D5-20TE-54SB     | 16 1/4   | 58 3/16 | 9 1/2 | 105 | D6-20TE-54SB     | 16 3/4  | 57 13/16 | 10    | 118 |
| 60         | D5-20TE-60SB     | 16 7/8   | 63 7/8  | 9 1/2 | 113 | D6-20TE-60SB     | 17 3/8  | 63 9/16  | 10    | 128 |
| 72         | D5-20TE-72SB     | 18 3/8   | 76 3/16 | 9 1/2 | 127 | D6-20TE-72SB     | 18 7/8  | 75 13/16 | 10    | 147 |

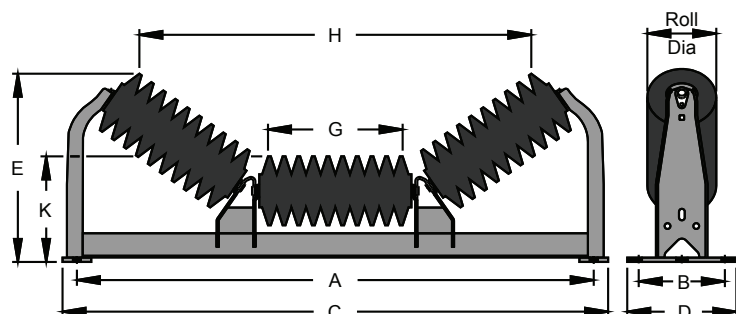
## 35° EQUAL TROUGHER

| Belt Width | 5" Roll Diameter |          |          |       |     | 6" Roll Diameter |          |          |       |     |
|------------|------------------|----------|----------|-------|-----|------------------|----------|----------|-------|-----|
|            | Part Number      | E        | H        | K     | WT  | Part Number      | E        | H        | K     | WT  |
| 24         | D5-35TE-24SB     | 13 13/16 | 24 9/16  | 8 1/2 | 50  | D6-35TE-24SB     | 14 1/4   | 24 1/16  | 9     | 57  |
| 30         | D5-35TE-30SB     | 15 3/16  | 30 3/8   | 8 5/8 | 59  | D6-35TE-30SB     | 15 11/16 | 29 13/16 | 9 1/8 | 68  |
| 36         | D5-35TE-36SB     | 16 3/8   | 35 15/16 | 8 5/8 | 67  | D6-35TE-36SB     | 16 13/16 | 35 7/16  | 9 1/8 | 76  |
| 42         | D5-35TE-42SB     | 18 1/16  | 41 3/4   | 9     | 85  | D6-35TE-42SB     | 18 7/16  | 41 3/16  | 9 1/2 | 96  |
| 48         | D5-35TE-48SB     | 19 5/16  | 47 1/2   | 9     | 94  | D6-35TE-48SB     | 19 11/16 | 46 15/16 | 9 1/2 | 106 |
| 54         | D5-35TE-54SB     | 20 7/8   | 53 1/8   | 9 1/2 | 111 | D6-35TE-54SB     | 21 5/16  | 52 9/16  | 10    | 125 |
| 60         | D5-35TE-60SB     | 22 1/16  | 58 3/8   | 9 1/2 | 119 | D6-35TE-60SB     | 22 7/16  | 57 7/8   | 10    | 134 |
| 72         | D5-35TE-72SB     | 24 7/16  | 69 9/16  | 9 1/2 | 136 | D6-35TE-72SB     | 24 7/8   | 69 1/16  | 10    | 157 |

## 45° EQUAL TROUGHER

| Belt Width | 5" Roll Diameter |          |          |       |     | 6" Roll Diameter |          |          |       |     |
|------------|------------------|----------|----------|-------|-----|------------------|----------|----------|-------|-----|
|            | Part Number      | E        | H        | K     | WT  | Part Number      | E        | H        | K     | WT  |
| 24         | D5-45TE-24SB     | 15 1/16  | 22 3/4   | 8 1/2 | 50  | D6-45TE-24SB     | 15 3/8   | 22 1/8   | 9     | 58  |
| 30         | D5-45TE-30SB     | 16 3/4   | 28 1/16  | 8 5/8 | 60  | D6-45TE-30SB     | 17 1/8   | 27 3/8   | 9 1/8 | 69  |
| 36         | D5-45TE-36SB     | 18 3/16  | 33 1/8   | 8 5/8 | 68  | D6-45TE-36SB     | 18 9/16  | 32 5/16  | 9 1/8 | 78  |
| 42         | D5-45TE-42SB     | 20 3/16  | 38 7/16  | 9     | 85  | D6-45TE-42SB     | 20 1/2   | 37 11/16 | 9 1/2 | 96  |
| 48         | D5-45TE-48SB     | 21 11/16 | 43 11/16 | 9     | 97  | D6-45TE-48SB     | 22 1/16  | 43 1/16  | 9 1/2 | 109 |
| 54         | D5-45TE-54SB     | 23 9/16  | 48 13/16 | 9 1/2 | 113 | D6-45TE-54SB     | 23 15/16 | 48 1/16  | 10    | 126 |
| 60         | D5-45TE-60SB     | 25       | 53 11/16 | 9 1/2 | 120 | D6-45TE-60SB     | 25 5/16  | 53       | 10    | 135 |
| 72         | D5-45TE-72SB     | 28       | 63 15/16 | 9 1/2 | 138 | D6-45TE-72SB     | 28 5/16  | 63 1/4   | 10    | 159 |

| Belt Width | Standard Dimensions |       |        |          |          | Wide Base |        |
|------------|---------------------|-------|--------|----------|----------|-----------|--------|
|            | A                   | B     | C      | D        | G        | Aw        | Cw     |
| 24         | 33                  | 6     | 35     | 8        | 7 7/16   | 39        | 41     |
| 30         | 39                  | 6     | 41 1/2 | 9 1/2    | 9 5/8    | 45        | 47 1/2 |
| 36         | 45                  | 6     | 47 1/2 | 9 1/2    | 11 3/4   | 51        | 53 1/2 |
| 42         | 51                  | 7 1/2 | 53 1/2 | 9 1/2    | 13 15/16 | 57        | 59 1/2 |
| 48         | 57                  | 7 1/2 | 59 1/2 | 9 1/2    | 16 1/8   | 63        | 65 1/2 |
| 54         | 63                  | 9     | 65 1/2 | 10 15/16 | 18 1/4   | 69        | 71 1/2 |
| 60         | 69                  | 9     | 71 1/2 | 10 15/16 | 20 1/4   | 75        | 77 1/2 |
| 72         | 81                  | 9     | 83 1/2 | 11       | 24 1/4   | 81        | 83 1/2 |



### 20° EQUAL IMPACT TROUGHER

| Belt Width | 5" Roll Diameter |          |          |       |     | 6" Roll Diameter |          |          |       |     |
|------------|------------------|----------|----------|-------|-----|------------------|----------|----------|-------|-----|
|            | Part Number      | E        | H        | K     | WT  | Part Number      | E        | H        | K     | WT  |
| 24         | D5-20TEI-24SB    | 11 7/16  | 26 5/8   | 8 1/2 | 61  | D6-20TEI-24SB    | 11 7/8   | 26 1/4   | 9     | 68  |
| 30         | D5-20TEI-30SB    | 12 5/16  | 32 15/16 | 8 5/8 | 75  | D6-20TEI-30SB    | 12 13/16 | 32 1/2   | 9 1/8 | 84  |
| 36         | D5-20TEI-36SB    | 13 1/16  | 39       | 8 5/8 | 88  | D6-20TEI-36SB    | 13 1/2   | 38 11/16 | 9 1/8 | 99  |
| 42         | D5-20TEI-42SB    | 14 3/16  | 45 5/16  | 9     | 110 | D6-20TEI-42SB    | 14 5/8   | 45       | 9 1/2 | 124 |
| 48         | D5-20TEI-48SB    | 14 15/16 | 51 5/8   | 9     | 122 | D6-20TEI-48SB    | 15 3/8   | 51 1/4   | 9 1/2 | 137 |
| 54         | D5-20TEI-54SB    | 16       | 57 11/16 | 9 1/2 | 140 | D6-20TEI-54SB    | 16 1/2   | 57 3/8   | 10    | 157 |
| 60         | D5-20TEI-60SB    | 16 5/8   | 63 7/16  | 9 1/2 | 153 | D6-20TEI-60SB    | 17 1/8   | 63 1/8   | 10    | 173 |
| 72         | D5-20TEI-72SB    | 18 1/8   | 75 3/4   | 9 1/2 | 181 | D6-20TEI-72SB    | 18 5/8   | 75 3/8   | 10    | 199 |

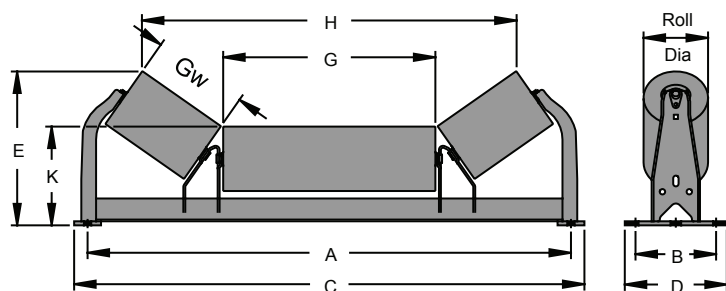
### 35° EQUAL IMPACT TROUGHER

| Belt Width | 5" Roll Diameter |          |          |       |     | 6" Roll Diameter |          |        |       |     |
|------------|------------------|----------|----------|-------|-----|------------------|----------|--------|-------|-----|
|            | Part Number      | E        | H        | K     | WT  | Part Number      | E        | H      | K     | WT  |
| 24         | D5-35TEI-24SB    | 13 3/8   | 24 3/16  | 8 1/2 | 62  | D6-35TEI-24SB    | 13 13/16 | 23 5/8 | 9     | 69  |
| 30         | D5-35TEI-30SB    | 14 3/4   | 29 15/16 | 8 5/8 | 77  | D6-35TEI-30SB    | 15 1/8   | 29 3/8 | 9 1/8 | 86  |
| 36         | D5-35TEI-36SB    | 15 15/16 | 35 9/16  | 8 5/8 | 90  | D6-35TEI-36SB    | 16 3/8   | 35     | 9 1/8 | 101 |
| 42         | D5-35TEI-42SB    | 17 5/8   | 41 3/8   | 9     | 113 | D6-35TEI-42SB    | 18       | 40 3/4 | 9 1/2 | 127 |
| 48         | D5-35TEI-48SB    | 18 7/8   | 47 1/8   | 9     | 125 | D6-35TEI-48SB    | 19 1/4   | 46 1/2 | 9 1/2 | 140 |
| 54         | D5-35TEI-54SB    | 20 7/16  | 52 3/4   | 9 1/2 | 147 | D6-35TEI-54SB    | 20 7/8   | 52 1/8 | 10    | 164 |
| 60         | D5-35TEI-60SB    | 21 5/8   | 58       | 9 1/2 | 160 | D6-35TEI-60SB    | 22       | 57 3/8 | 10    | 179 |
| 72         | D5-35TEI-72SB    | 24       | 69 3/16  | 9 1/2 | 190 | D6-35TEI-72SB    | 24 7/16  | 68 5/8 | 10    | 208 |

### 45° EQUAL IMPACT TROUGHER

| Belt Width | 5" Roll Diameter |          |         |       |     | 6" Roll Diameter |          |          |       |     |
|------------|------------------|----------|---------|-------|-----|------------------|----------|----------|-------|-----|
|            | Part Number      | E        | H       | K     | WT  | Part Number      | E        | H        | K     | WT  |
| 24         | D5-45TEI-24SB    | 14 9/16  | 22 3/8  | 8 1/2 | 63  | D6-45TEI-24SB    | 14 7/8   | 21 11/16 | 9     | 70  |
| 30         | D5-45TEI-30SB    | 16 1/4   | 27 5/8  | 8 5/8 | 78  | D6-45TEI-30SB    | 16 9/16  | 26 15/16 | 9 1/8 | 87  |
| 36         | D5-45TEI-36SB    | 17 11/16 | 32 3/4  | 8 5/8 | 91  | D6-45TEI-36SB    | 18 1/16  | 32 1/16  | 9 1/8 | 102 |
| 42         | D5-45TEI-42SB    | 19 11/16 | 38 1/16 | 9     | 113 | D6-45TEI-42SB    | 20       | 37 3/8   | 9 1/2 | 127 |
| 48         | D5-45TEI-48SB    | 21 3/16  | 43 1/3  | 9     | 128 | D6-45TEI-48SB    | 21 9/16  | 42 5/8   | 9 1/2 | 143 |
| 54         | D5-45TEI-54SB    | 23 1/16  | 48 7/16 | 9 1/2 | 148 | D6-45TEI-54SB    | 23 7/16  | 47 3/4   | 10    | 165 |
| 60         | D5-45TEI-60SB    | 24 1/2   | 53 1/4  | 9 1/2 | 160 | D6-45TEI-60SB    | 24 13/16 | 52 9/16  | 10    | 180 |
| 72         | D5-45TEI-72SB    | 27 1/2   | 63 9/16 | 9 1/2 | 193 | D6-45TEI-72SB    | 27 13/16 | 62 13/16 | 10    | 210 |

# CEMA D UNEQUAL TROUGH & FLAT CARRIER



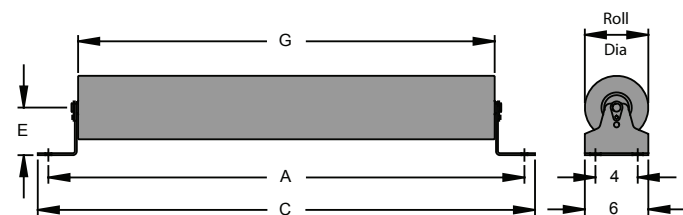
| Belt Width | Standard Dimensions |       |        |          |
|------------|---------------------|-------|--------|----------|
|            | A                   | B     | C      | D        |
| 24         | 33                  | 6     | 35 1/2 | 8        |
| 30         | 39                  | 6     | 41 1/2 | 9 1/2    |
| 36         | 45                  | 6     | 47 1/2 | 9 1/2    |
| 42         | 51                  | 7 1/2 | 53 1/2 | 9 1/2    |
| 48         | 57                  | 7 1/2 | 59 1/2 | 9 1/2    |
| 54         | 63                  | 9     | 65 1/2 | 10 15/16 |
| 60         | 69                  | 9     | 71 1/2 | 10 15/16 |
| 72         | 81                  | 9     | 83 1/2 | 10 15/16 |

## 20° UNEQUAL TROUGH

| Belt Width | 5" Roll Diameter |        |          |       |     | 6" Roll Diameter |          |         |       |     | G       | Gw     |
|------------|------------------|--------|----------|-------|-----|------------------|----------|---------|-------|-----|---------|--------|
|            | Part Number      | E      | H        | K     | WT  | Part Number      | E        | H       | K     | WT  |         |        |
| 24         | D5-20TU-24SB     | 10 5/8 | 26 15/16 | 8 5/8 | 49  | D6-20TU-24SB     | 11 1/16  | 26 5/8  | 9 1/8 | 57  | 15 7/16 | 5 7/16 |
| 30         | D5-20TU-30SB     | 10 5/8 | 32 7/8   | 8 5/8 | 56  | D6-20TU-30SB     | 11 1/16  | 32 9/16 | 9 1/8 | 64  | 21 3/8  | 5 7/16 |
| 36         | D5-20TU-36SB     | 10 5/8 | 38 7/8   | 8 5/8 | 62  | D6-20TU-36SB     | 11 1/16  | 38 9/16 | 9 1/8 | 72  | 27 3/8  | 5 7/16 |
| 42         | D5-20TU-42SB     | 11     | 44 7/8   | 9     | 78  | D6-20TU-42SB     | 11 7/16  | 44 9/16 | 9 1/2 | 88  | 33 3/8  | 5 7/16 |
| 48         | D5-20TU-48SB     | 11     | 50 7/8   | 9     | 85  | D6-20TU-48SB     | 11 7/16  | 50 9/16 | 9 1/2 | 97  | 39 3/8  | 5 7/16 |
| 54         | D5-20TU-54SB     | 11 3/8 | 56 7/8   | 9 1/2 | 98  | D6-20TU-54SB     | 11 13/16 | 56 9/16 | 10    | 111 | 45 3/8  | 5 7/16 |
| 60         | D5-20TU-60SB     | 11 3/8 | 62 7/8   | 9 1/2 | 106 | D6-20TU-60SB     | 11 13/16 | 62 9/16 | 10    | 120 | 51 3/8  | 5 7/16 |
| 72         | D5-20TU-72SB     | 11 3/8 | 74 7/8   | 9 1/2 | 122 | D6-20TU-72SB     | 11 13/16 | 74 9/16 | 10    | 139 | 63 3/8  | 5 7/16 |

## 35° UNEQUAL TROUGH

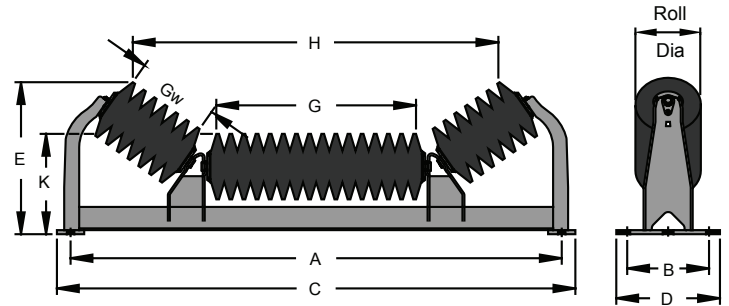
| Belt Width | 5" Roll Diameter |          |         |       |     | 6" Roll Diameter |          |         |       |     | G       | Gw      |
|------------|------------------|----------|---------|-------|-----|------------------|----------|---------|-------|-----|---------|---------|
|            | Part Number      | E        | H       | K     | WT  | Part Number      | E        | H       | K     | WT  |         |         |
| 24         | D5-35TU-24SB     | 12 3/4   | 25 5/16 | 8 5/8 | 50  | D6-35TU-24SB     | 12 3/16  | 24 3/4  | 9 1/8 | 59  | 13 1/4  | 6 3/4   |
| 30         | D5-35TU-30SB     | 13 15/16 | 31 1/16 | 8 5/8 | 57  | D6-35TU-30SB     | 14 5/16  | 30 9/16 | 9 1/8 | 67  | 15 7/16 | 8 15/16 |
| 36         | D5-35TU-36SB     | 13 15/16 | 35 3/8  | 8 5/8 | 62  | D6-35TU-36SB     | 14 5/16  | 34 7/8  | 9 1/8 | 73  | 19 3/4  | 8 15/16 |
| 42         | D5-35TU-42SB     | 15 9/16  | 40 5/8  | 9     | 77  | D6-35TU-42SB     | 15 15/16 | 40 1/16 | 9 1/2 | 90  | 21 3/8  | 11 1/8  |
| 48         | D5-35TU-48SB     | 15 9/16  | 46 5/8  | 9     | 85  | D6-35TU-48SB     | 15 15/16 | 46 1/16 | 9 1/2 | 99  | 27 3/8  | 11 1/8  |
| 54         | D5-35TU-54SB     | 15 15/16 | 52 5/8  | 9 1/2 | 98  | D6-35TU-54SB     | 16 5/16  | 52 1/16 | 10    | 112 | 33 3/8  | 11 1/8  |
| 60         | D5-35TU-60SB     | 15 15/16 | 58 5/8  | 9 1/2 | 105 | D6-35TU-60SB     | 16 5/16  | 58 1/16 | 10    | 121 | 39 3/8  | 11 1/8  |
| 72         | D5-35TU-72SB     | 15 15/16 | 70 5/8  | 9 1/2 | 122 | D6-35TU-72SB     | 16 5/16  | 70 1/16 | 10    | 140 | 51 3/8  | 11 1/8  |



## FLAT CARRIER

| Belt Width | 5" Roll Diameter |    |             |    | 6" Roll Diameter |    |             |    | Standard Dimensions |    |        |
|------------|------------------|----|-------------|----|------------------|----|-------------|----|---------------------|----|--------|
|            | E=4 1/2"         |    | E=1 1/2"    |    | E=4 1/2"         |    | E=1 1/2"    |    | A                   | C  | G      |
|            | Part Number      | WT | Part Number | WT | Part Number      | WT | Part Number | WT |                     |    |        |
| 24         | D5-F-24SB        | 31 | D5-F-24SB-1 | 30 | D6-F-24SB        | 37 | D6-F-24SB-1 | 36 | 33                  | 35 | 27 3/8 |
| 30         | D5-F-30SB        | 36 | D5-F-30SB-1 | 35 | D6-F-30SB        | 43 | D6-F-30SB-1 | 42 | 39                  | 41 | 33 3/8 |
| 36         | D5-F-36SB        | 41 | D5-F-36SB-1 | 40 | D6-F-36SB        | 49 | D6-F-36SB-1 | 48 | 45                  | 47 | 39 3/8 |
| 42         | D5-F-42SB        | 46 | D5-F-42SB-1 | 45 | D6-F-42SB        | 55 | D6-F-42SB-1 | 54 | 51                  | 53 | 45 3/8 |
| 48         | D5-F-48SB        | 50 | D5-F-48SB-1 | 49 | D6-F-48SB        | 61 | D6-F-48SB-1 | 60 | 57                  | 59 | 51 3/8 |
| 54         | D5-F-54SB        | 55 | D5-F-54SB-1 | 54 | D6-F-54SB        | 67 | D6-F-54SB-1 | 66 | 63                  | 65 | 57 3/8 |
| 60         | D5-F-60SB        | 60 | D5-F-60SB-1 | 59 | D6-F-60SB        | 72 | D6-F-60SB-1 | 71 | 69                  | 71 | 63 3/8 |
| 72         | D5-F-72SB        | 69 | D5-F-72SB-1 | 68 | D6-F-72SB        | 84 | D6-F-72SB-1 | 83 | 81                  | 83 | 75 3/8 |

| Belt Width | Standard Dimensions |       |        |          |
|------------|---------------------|-------|--------|----------|
|            | A                   | B     | C      | D        |
| 24         | 33                  | 6     | 35 1/2 | 8        |
| 30         | 39                  | 6     | 41 1/2 | 9 1/2    |
| 36         | 45                  | 6     | 47 1/2 | 9 1/2    |
| 42         | 51                  | 7 1/2 | 53 1/2 | 9 1/2    |
| 48         | 57                  | 7 1/2 | 59 1/2 | 9 1/2    |
| 54         | 63                  | 9     | 65 1/2 | 10 15/16 |
| 60         | 69                  | 9     | 71 1/2 | 10 15/16 |
| 72         | 81                  | 9     | 83 1/2 | 10 15/16 |

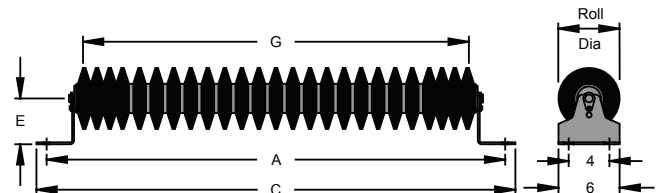


### 20° UNEQUAL IMPACT TROUGHER

| Belt Width | 5" Roll Diameter |        |         |       |     | 6" Roll Diameter |          |         |       |     | G        | Gw      |
|------------|------------------|--------|---------|-------|-----|------------------|----------|---------|-------|-----|----------|---------|
|            | Part Number      | E      | H       | K     | WT  | Part Number      | E        | H       | K     | WT  |          |         |
| 24         | D5-20TUI-24SB    | 10 3/8 | 26 1/2  | 8 5/8 | 64  | D6-20TUI-24SB    | 10 13/16 | 26 3/16 | 9 1/8 | 71  | 13 15/16 | 3 15/16 |
| 30         | D5-20TUI-30SB    | 10 3/8 | 32 7/16 | 8 5/8 | 73  | D6-20TUI-30SB    | 10 13/16 | 32 1/8  | 9 1/8 | 84  | 19 7/8   | 3 15/16 |
| 36         | D5-20TUI-36SB    | 10 3/8 | 38 7/16 | 8 5/8 | 84  | D6-20TUI-36SB    | 10 13/16 | 37 1/8  | 9 1/8 | 94  | 25 7/8   | 3 15/16 |
| 42         | D5-20TUI-42SB    | 10 3/4 | 44 7/16 | 9     | 103 | D6-20TUI-42SB    | 11 3/16  | 43 1/8  | 9 1/2 | 114 | 31 7/8   | 3 15/16 |
| 48         | D5-20TUI-48SB    | 10 3/4 | 50 7/16 | 9     | 112 | D6-20TUI-48SB    | 11 3/16  | 49 1/8  | 9 1/2 | 124 | 37 7/8   | 3 15/16 |
| 54         | D5-20TUI-54SB    | 11 1/8 | 56 7/16 | 9 1/2 | 130 | D6-20TUI-54SB    | 11 9/16  | 55 1/8  | 10    | 144 | 43 7/8   | 3 15/16 |
| 60         | D5-20TUI-60SB    | 11 1/8 | 62 7/16 | 9 1/2 | 141 | D6-20TUI-60SB    | 11 9/16  | 61 1/8  | 10    | 157 | 49 7/8   | 3 15/16 |
| 72         | D5-20TUI-72SB    | 11 1/8 | 74 7/16 | 9 1/2 | 165 | D6-20TUI-72SB    | 11 9/16  | 73 1/8  | 10    | 186 | 61 7/8   | 3 15/16 |

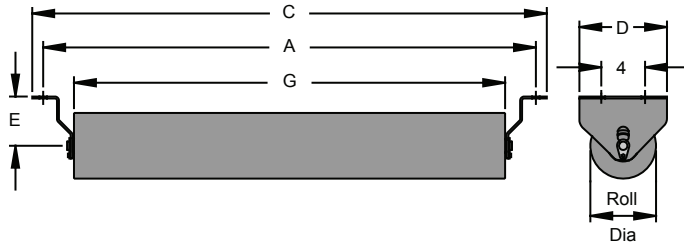
### 35° UNEQUAL IMPACT TROUGHER

| Belt Width | 5" Roll Diameter |         |          |       |     | 6" Roll Diameter |        |          |       |     | G        | Gw     |
|------------|------------------|---------|----------|-------|-----|------------------|--------|----------|-------|-----|----------|--------|
|            | Part Number      | E       | H        | K     | WT  | Part Number      | E      | H        | K     | WT  |          |        |
| 24         | D5-35TUI-24SB    | 12 5/16 | 24 7/8   | 8 5/8 | 66  | D6-35TUI-24SB    | 11 3/4 | 24 3/8   | 9 1/8 | 73  | 11 3/4   | 5 1/4  |
| 30         | D5-35TUI-30SB    | 13 1/2  | 30 11/16 | 8 5/8 | 77  | D6-35TUI-30SB    | 13 7/8 | 30 1/8   | 9 1/8 | 86  | 13 15/16 | 7 7/16 |
| 36         | D5-35TUI-36SB    | 13 1/2  | 35       | 8 5/8 | 85  | D6-35TUI-36SB    | 13 7/8 | 34 1/2   | 9 1/8 | 95  | 18 1/4   | 7 7/16 |
| 42         | D5-35TUI-42SB    | 15 1/8  | 40 1/4   | 9     | 104 | D6-35TUI-42SB    | 15 1/2 | 39 11/16 | 9 1/2 | 118 | 19 7/8   | 9 5/8  |
| 48         | D5-35TUI-48SB    | 15 1/8  | 46 1/4   | 9     | 115 | D6-35TUI-48SB    | 15 1/2 | 45 11/16 | 9 1/2 | 128 | 25 7/8   | 9 5/8  |
| 54         | D5-35TUI-54SB    | 15 1/2  | 52 1/4   | 9 1/2 | 131 | D6-35TUI-54SB    | 15 7/8 | 51 11/16 | 10    | 146 | 31 7/8   | 9 5/8  |
| 60         | D5-35TUI-60SB    | 15 1/2  | 58 1/4   | 9 1/2 | 142 | D6-35TUI-60SB    | 15 7/8 | 57 11/16 | 10    | 158 | 37 7/8   | 9 5/8  |
| 72         | D5-35TUI-72SB    | 15 1/2  | 70 1/4   | 9 1/2 | 167 | D6-35TUI-72SB    | 15 7/8 | 69 11/16 | 10    | 186 | 49 7/8   | 9 5/8  |



### FLAT RUBBER DISC CARRIER

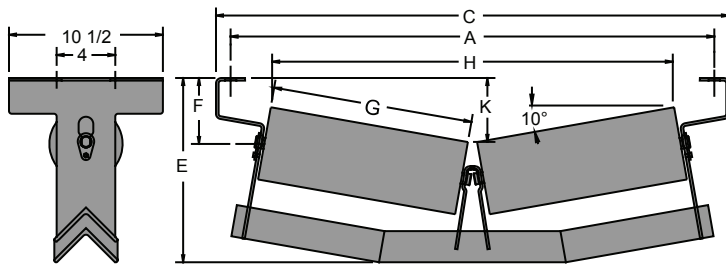
| Belt Width | 5" Roll Diameter |    |               |    | 6" Roll Diameter |     |               |     | Standard Dimensions |    |        |
|------------|------------------|----|---------------|----|------------------|-----|---------------|-----|---------------------|----|--------|
|            | E=4 1/2"         |    | E=1 1/2"      |    | E=4 1/2"         |     | E=1 1/2"      |     | A                   | C  | G      |
|            | Part Number      | WT | Part Number   | WT | Part Number      | WT  | Part Number   | WT  |                     |    |        |
| 24         | D5-FRD-24SB      | 39 | D5-FRD-24SB-1 | 38 | D6-FRD-24SB      | 46  | D6-FRD-24SB-1 | 45  | 33                  | 35 | 25 7/8 |
| 30         | D5-FRD-30SB      | 46 | D5-FRD-30SB-1 | 45 | D6-FRD-30SB      | 55  | D6-FRD-30SB-1 | 54  | 39                  | 41 | 31 7/8 |
| 36         | D5-FRD-36SB      | 53 | D5-FRD-36SB-1 | 52 | D6-FRD-36SB      | 62  | D6-FRD-36SB-1 | 61  | 45                  | 47 | 37 7/8 |
| 42         | D5-FRD-42SB      | 60 | D5-FRD-42SB-1 | 59 | D6-FRD-42SB      | 72  | D6-FRD-42SB-1 | 71  | 51                  | 53 | 43 7/8 |
| 48         | D5-FRD-48SB      | 68 | D5-FRD-48SB-1 | 67 | D6-FRD-48SB      | 80  | D6-FRD-48SB-1 | 79  | 57                  | 59 | 49 7/8 |
| 54         | D5-FRD-54SB      | 74 | D5-FRD-54SB-1 | 73 | D6-FRD-54SB      | 90  | D6-FRD-54SB-1 | 89  | 63                  | 65 | 55 7/8 |
| 60         | D5-FRD-60SB      | 80 | D5-FRD-60SB-1 | 79 | D6-FRD-60SB      | 99  | D6-FRD-60SB-1 | 98  | 69                  | 71 | 61 7/8 |
| 72         | D5-FRD-72SB      | 96 | D5-FRD-72SB-1 | 95 | D6-FRD-72SB      | 117 | D6-FRD-72SB-1 | 116 | 81                  | 83 | 73 7/8 |



| Belt Width | Standard Dimensions |    |        |
|------------|---------------------|----|--------|
|            | A                   | C  | G      |
| 24         | 33                  | 35 | 27 3/8 |
| 30         | 39                  | 41 | 33 3/8 |
| 36         | 45                  | 57 | 39 3/8 |
| 42         | 51                  | 53 | 45 3/8 |
| 48         | 57                  | 59 | 51 3/8 |
| 54         | 63                  | 65 | 57 3/8 |
| 60         | 69                  | 71 | 63 3/8 |
| 72         | 81                  | 83 | 75 3/8 |

## RETURN

| Belt Width | 5" Roll Diameter |   |              |   |    | 6" Roll Diameter |   |              |   |    |
|------------|------------------|---|--------------|---|----|------------------|---|--------------|---|----|
|            | Std E=4 1/2"     |   | Opt E=1 1/2" |   | WT | Std E=4 1/2"     |   | Opt E=1 1/2" |   | WT |
|            | Part Number      | D | Part Number  | D |    | Part Number      | D | Part Number  | D |    |
| 24         | D5-R-24SB        | 9 | D5-R-24SB-1  | 6 | 28 | D6-R-24SB        | 9 | D6-R-24SB-1  | 6 | 34 |
| 30         | D5-R-30SB        | 9 | D5-R-30SB-1  | 6 | 33 | D6-R-30SB        | 9 | D6-R-30SB-1  | 6 | 40 |
| 36         | D5-R-36SB        | 9 | D5-R-36SB-1  | 6 | 38 | D6-R-36SB        | 9 | D6-R-36SB-1  | 6 | 46 |
| 42         | D5-R-42SB        | 9 | D5-R-42SB-1  | 6 | 43 | D6-R-42SB        | 9 | D6-R-42SB-1  | 6 | 52 |
| 48         | D5-R-48SB        | 9 | D5-R-48SB-1  | 6 | 48 | D6-R-48SB        | 9 | D6-R-48SB-1  | 6 | 58 |
| 54         | D5-R-54SB        | 9 | D5-R-54SB-1  | 6 | 52 | D6-R-54SB        | 9 | D6-R-54SB-1  | 6 | 64 |
| 60         | D5-R-60SB        | 9 | D5-R-60SB-1  | 6 | 57 | D6-R-60SB        | 9 | D6-R-60SB-1  | 6 | 70 |
| 72         | D5-R-72SB        | 9 | D5-R-72SB-1  | 6 | 67 | D6-R-72SB        | 9 | D6-R-72SB-1  | 6 | 82 |



| Belt Width | Standard Dimensions |    |          |
|------------|---------------------|----|----------|
|            | A                   | C  | G        |
| 24         | 33                  | 35 | 13 5/8   |
| 30         | 39                  | 41 | 16 11/16 |
| 36         | 45                  | 47 | 19 3/4   |
| 42         | 51                  | 53 | 22 13/16 |
| 48         | 57                  | 59 | 25 7/8   |
| 54         | 63                  | 65 | 28 7/8   |
| 60         | 69                  | 71 | 31 15/16 |
| 66         | 75                  | 77 | 35       |
| 72         | 81                  | 83 | 38       |

## V-RETURN IDLER (F = 4 1/2")

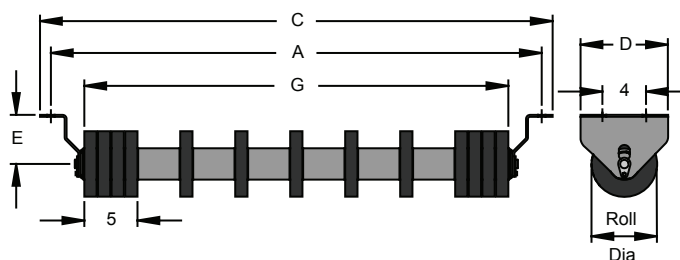
| Belt Width | 5" Roll Diameter |          |         |         |     | 6" Roll Diameter |          |         |         |     |
|------------|------------------|----------|---------|---------|-----|------------------|----------|---------|---------|-----|
|            | Part Number      | E        | H       | K       | WT  | Part Number      | E        | H       | K       | WT  |
| 24         | D5-10VR-24SB-4   | 12 9/16  | 27 5/8  | 4 1/2   | 54  | D6-10VR-24SB-4   | 12 9/16  | 27 7/16 | 4       | 61  |
| 30         | D5-10VR-30SB-4   | 13 1/16  | 33 5/8  | 5       | 61  | D6-10VR-30SB-4   | 13 1/16  | 33 7/16 | 4 1/2   | 70  |
| 36         | D5-10VR-36SB-4   | 13 5/8   | 39 5/8  | 5 9/16  | 68  | D6-10VR-36SB-4   | 13 5/8   | 39 7/16 | 8 1/16  | 78  |
| 42         | D5-10VR-42SB-4   | 14 1/8   | 45 5/8  | 6       | 75  | D6-10VR-42SB-4   | 14 1/8   | 45 1/2  | 5 5/8   | 87  |
| 48         | D5-10VR-48SB-4   | 14 11/16 | 51 7/16 | 6 1/8   | 83  | D6-10VR-48SB-4   | 14 11/16 | 51 7/16 | 6 1/8   | 95  |
| 54         | D5-10VR-54SB-4   | 15 5/8   | 57 5/8  | 7 1/8   | 90  | D6-10VR-54SB-4   | 15 5/8   | 57 7/16 | 6 11/16 | 104 |
| 60         | D5-10VR-60SB-4   | 16       | 63 5/8  | 7 11/16 | 106 | D6-10VR-60SB-4   | 16       | 63 7/16 | 7 1/4   | 121 |
| 66         | D5-10VR-66SB-4   | 16 1/2   | 69 5/8  | 8 1/4   | 114 | D6-10VR-66SB-4   | 16 1/2   | 69 1/2  | 7 3/4   | 130 |
| 72         | D5-10VR-72SB-4   | 17 3/16  | 75 9/16 | 8 3/4   | 121 | D6-10VR-72SB-4   | 17 3/16  | 75 7/16 | 8 1/4   | 140 |

## V-RETURN IDLER (F = 7")

| Belt Width | 5" Roll Diameter |          |         |         |     | 6" Roll Diameter |          |         |        |     |
|------------|------------------|----------|---------|---------|-----|------------------|----------|---------|--------|-----|
|            | Part Number      | E        | H       | K       | WT  | Part Number      | E        | H       | K      | WT  |
| 24         | D5-10VR-24SB-7   | 17 3/16  | 27 5/8  | 7       | 56  | D6-10VR-24SB-7   | 17 3/16  | 27 7/16 | 6 1/2  | 64  |
| 30         | D5-10VR-30SB-7   | 17 13/16 | 33 5/8  | 7 1/2   | 64  | D6-10VR-30SB-7   | 17 13/16 | 33 7/16 | 16-Jul | 72  |
| 36         | D5-10VR-36SB-7   | 16 1/8   | 39 5/8  | 8 1/16  | 71  | D6-10VR-36SB-7   | 16 1/8   | 39 7/16 | 7 9/16 | 81  |
| 42         | D5-10VR-42SB-7   | 16 5/8   | 45 5/8  | 8 5/8   | 78  | D6-10VR-42SB-7   | 16 5/8   | 45 1/2  | 8 1/8  | 89  |
| 48         | D5-10VR-48SB-7   | 17 3/16  | 51 7/16 | 9 1/8   | 85  | D6-10VR-48SB-7   | 17 3/16  | 51 7/16 | 8 5/8  | 98  |
| 54         | D5-10VR-54SB-7   | 17 3/4   | 57 5/8  | 9 5/8   | 92  | D6-10VR-54SB-7   | 17 3/4   | 57 7/16 | 9 3/16 | 106 |
| 60         | D5-10VR-60SB-7   | 18 5/16  | 63 5/8  | 10 3/16 | 108 | D6-10VR-60SB-7   | 18 5/16  | 63 7/16 | 9 3/4  | 124 |
| 66         | D5-10VR-66SB-7   | 19       | 69 5/8  | 10 3/4  | 116 | D6-10VR-66SB-7   | 19       | 69 1/2  | 10 1/4 | 133 |
| 72         | D5-10VR-72SB-7   | 19 11/16 | 75 9/16 | 11 1/4  | 124 | D6-10VR-72SB-7   | 19 11/16 | 75 7/16 | 10 3/4 | 142 |



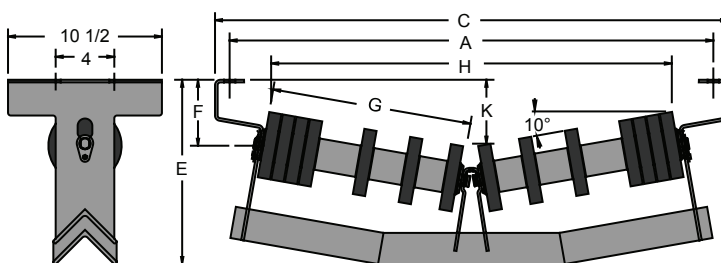
| Belt Width | Standard Dimensions |    |        |
|------------|---------------------|----|--------|
|            | A                   | C  | G      |
| 24         | 33                  | 35 | 26 7/8 |
| 30         | 39                  | 41 | 32 7/8 |
| 36         | 45                  | 57 | 38 7/8 |
| 42         | 51                  | 53 | 44 7/8 |
| 48         | 57                  | 59 | 50 7/8 |
| 54         | 63                  | 65 | 56 7/8 |
| 60         | 69                  | 71 | 62 7/8 |
| 72         | 81                  | 83 | 74 7/8 |



## RETURN RUBBER DISC

| Belt Width | 5" Roll Diameter |   |               |   |    | 6" Roll Diameter |   |               |   |    |
|------------|------------------|---|---------------|---|----|------------------|---|---------------|---|----|
|            | Std E=4 1/2"     |   | Opt E=1 1/2"  |   | WT | Std E=4 1/2"     |   | Opt E=1 1/2"  |   | WT |
|            | Part Number      | D | Part Number   | D |    | Part Number      | D | Part Number   | D |    |
| 24         | D5-RRD-24SB      | 9 | D5-RRD-24SB-1 | 6 | 31 | D6-RRD-24SB      | 9 | D6-RRD-24SB-1 | 6 | 36 |
| 30         | D5-RRD-30SB      | 9 | D5-RRD-30SB-1 | 6 | 36 | D6-RRD-30SB      | 9 | D6-RRD-30SB-1 | 6 | 41 |
| 36         | D5-RRD-36SB      | 9 | D5-RRD-36SB-1 | 6 | 40 | D6-RRD-36SB      | 9 | D6-RRD-36SB-1 | 6 | 46 |
| 42         | D5-RRD-42SB      | 9 | D5-RRD-42SB-1 | 6 | 45 | D6-RRD-42SB      | 9 | D6-RRD-42SB-1 | 6 | 51 |
| 48         | D5-RRD-48SB      | 9 | D5-RRD-48SB-1 | 6 | 49 | D6-RRD-48SB      | 9 | D6-RRD-48SB-1 | 6 | 56 |
| 54         | D5-RRD-54SB      | 9 | D5-RRD-54SB-1 | 6 | 54 | D6-RRD-54SB      | 9 | D6-RRD-54SB-1 | 6 | 61 |
| 60         | D5-RRD-60SB      | 9 | D5-RRD-60SB-1 | 6 | 58 | D6-RRD-60SB      | 9 | D6-RRD-60SB-1 | 6 | 66 |
| 72         | D5-RRD-72SB      | 9 | D5-RRD-72SB-1 | 6 | 67 | D6-RRD-72SB      | 9 | D6-RRD-72SB-1 | 6 | 75 |

| Belt Width | Standard Dimensions |    |         |
|------------|---------------------|----|---------|
|            | A                   | C  | G       |
| 24         | 33                  | 35 | 13 1/8  |
| 30         | 39                  | 41 | 16 3/16 |
| 36         | 45                  | 47 | 19 1/4  |
| 42         | 51                  | 53 | 22 5/16 |
| 48         | 57                  | 59 | 25 3/8  |
| 54         | 63                  | 65 | 28 3/8  |
| 60         | 69                  | 71 | 31 7/16 |
| 66         | 75                  | 77 | 35      |
| 72         | 81                  | 83 | 37 1/2  |

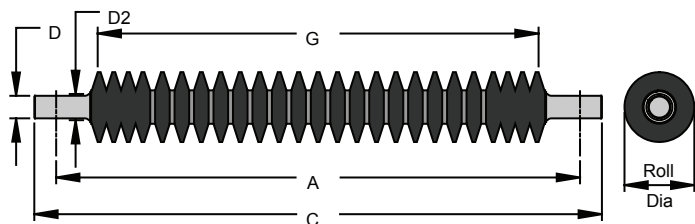


## V-RETURN RUBBER DISC (STD F = 4 1/2")

| Belt Width | 5" Roll Diameter |          |         |        |     | 6" Roll Dia     |          |         |         |     |
|------------|------------------|----------|---------|--------|-----|-----------------|----------|---------|---------|-----|
|            | Part Number      | E        | H       | K      | WT  | Part Number     | E        | H       | K       | WT  |
| 24         | D5-10VRI-24SB-4  | 12 9/16  | 27 1/16 | 4 7/16 | 57  | D6-10VRI-24SB-4 | 12 9/16  | 26 7/8  | 4 7/16  | 60  |
| 30         | D5-10VRI-30SB-4  | 13 1/16  | 33 1/16 | 5      | 65  | D6-10VRI-30SB-4 | 13 1/16  | 32 7/8  | 5       | 69  |
| 36         | D5-10VRI-36SB-4  | 13 5/8   | 39 1/16 | 5 1/2  | 72  | D6-10VRI-36SB-4 | 13 5/8   | 38 7/8  | 5 1/2   | 77  |
| 42         | D5-10VRI-42SB-4  | 14 1/8   | 45 1/16 | 6      | 81  | D6-10VRI-42SB-4 | 14 1/8   | 44 7/8  | 6       | 85  |
| 48         | D5-10VRI-48SB-4  | 14 11/16 | 51 1/16 | 6 5/8  | 88  | D6-10VRI-48SB-4 | 14 11/16 | 51 1/16 | 6 5/8   | 93  |
| 54         | D5-10VRI-54SB-4  | 15 5/8   | 57 1/16 | 7 1/8  | 86  | D6-10VRI-54SB-4 | 15 5/8   | 57 1/16 | 7 1/8   | 102 |
| 60         | D5-10VRI-60SB-4  | 16       | 63 1/16 | 7 5/8  | 113 | D6-10VRI-60SB-4 | 16       | 63 1/16 | 7 5/8   | 119 |
| 66         | D5-10VRI-66SB-4  | 17 1/4   | 69 1/8  | 8 3/16 | 119 | D6-10VRI-66SB-4 | 17 1/4   | 69 1/8  | 7 11/16 | 129 |
| 72         | D5-10VRI-72SB-4  | 17 3/16  | 75 1/16 | 8 1/8  | 129 | D6-10VRI-72SB-4 | 17 3/16  | 69 1/16 | 8 1/8   | 136 |

## V-RETURN RUBBER DISC (F = 7")

| Belt Width | 5" Roll Diameter |          |         |          |     | 6" Roll Diameter |          |         |         |     |
|------------|------------------|----------|---------|----------|-----|------------------|----------|---------|---------|-----|
|            | Part Number      | E        | H       | K        | WT  | Part Number      | E        | H       | K       | WT  |
| 24         | D5-10VRI-24SB-7  | 17 3/16  | 27 1/16 | 6 15/16  | 59  | D6-10VRI-24SB-7  | 17 3/16  | 26 7/8  | 6 15/16 | 63  |
| 30         | D5-10VRI-30SB-7  | 17 13/16 | 33 1/16 | 7 1/2    | 67  | D6-10VRI-30SB-7  | 17 13/16 | 32 7/8  | 7 1/2   | 72  |
| 36         | D5-10VRI-36SB-7  | 16 1/8   | 39 1/16 | 8        | 75  | D6-10VRI-36SB-7  | 16 1/8   | 38 7/8  | 8       | 79  |
| 42         | D5-10VRI-42SB-7  | 16 5/8   | 45 1/16 | 8 9/16   | 83  | D6-10VRI-42SB-7  | 16 5/8   | 44 7/8  | 8 9/16  | 88  |
| 48         | D5-10VRI-48SB-7  | 17 3/16  | 51 1/16 | 9        | 90  | D6-10VRI-48SB-7  | 17 3/16  | 51 1/16 | 9       | 95  |
| 54         | D5-10VRI-54SB-7  | 17 3/4   | 57 1/16 | 9 5/8    | 99  | D6-10VRI-54SB-7  | 17 3/4   | 57 1/16 | 9 5/8   | 104 |
| 60         | D5-10VRI-60SB-7  | 18 5/16  | 63 1/16 | 10 1/8   | 116 | D6-10VRI-60SB-7  | 18 5/16  | 63 1/16 | 10 1/8  | 122 |
| 66         | D5-10VRI-66SB-7  | 19 11/16 | 69 1/8  | 10 11/16 | 122 | D6-10VRI-66SB-7  | 19 11/16 | 69 1/8  | 10 3/16 | 132 |
| 72         | D5-10VRI-72SB-7  | 20 1/4   | 75 1/16 | 11 3/16  | 132 | D6-10VRI-72SB-7  | 20 1/4   | 69 1/16 | 11 3/16 | 139 |

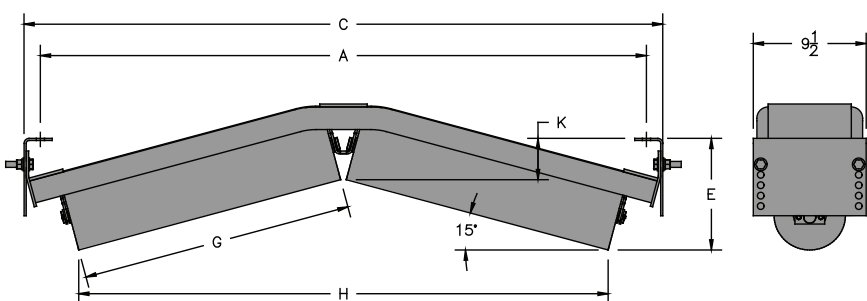


Live Shaft Idlers are available in several different configurations with different bearing journal diameters or as a steel can.

Please contact PPI with your requirements.

#### LIVE SHAFT IMPACT FLAT CARRIER

| Belt Width | 5" Roll Diameter |     | 6" Roll Diameter |     | Standard Dimensions |        |        |       |        |
|------------|------------------|-----|------------------|-----|---------------------|--------|--------|-------|--------|
|            | Part Number      | WT  | Part Number      | WT  | A                   | C      | D      | D2    | G      |
| 18         | D5-35LSI-18      | 62  | D6-35LSI-18      | 68  | 27                  | 31 1/4 | 2 3/16 | 2 7/8 | 19 7/8 |
| 24         | D5-35LSI-24      | 77  | D6-35LSI-24      | 84  | 33                  | 37 1/4 | 2 3/16 | 2 7/8 | 25 7/8 |
| 30         | D5-35LSI-30      | 92  | D6-35LSI-30      | 100 | 39                  | 43 1/4 | 2 3/16 | 2 7/8 | 31 7/8 |
| 36         | D5-35LSI-36      | 106 | D6-35LSI-36      | 116 | 45                  | 49 1/4 | 2 3/16 | 2 7/8 | 37 7/8 |
| 42         | D5-35LSI-42      | 121 | D6-35LSI-42      | 132 | 51                  | 55 1/4 | 2 3/16 | 2 7/8 | 43 7/8 |
| 48         | D5-35LSI-48      | 135 | D6-35LSI-48      | 148 | 57                  | 61 1/4 | 2 3/16 | 2 7/8 | 49 7/8 |
| 54         | D5-35LSI-54      | 150 | D6-35LSI-54      | 165 | 63                  | 67 1/4 | 2 3/16 | 2 7/8 | 55 7/8 |
| 60         | D5-35LSI-60      | 164 | D6-35LSI-60      | 181 | 69                  | 73 1/4 | 2 3/16 | 2 7/8 | 61 7/8 |
| 72         | D5-35LSI-72      | 193 | D6-35LSI-72      | 213 | 81                  | 85 1/4 | 2 3/16 | 2 7/8 | 73 7/8 |



| Belt Width | Standard Dimensions |       |       |
|------------|---------------------|-------|-------|
|            | A                   | C     | G     |
| 24         | 33                  | 35.75 | 13.66 |
| 30         | 39                  | 41.75 | 16.70 |
| 36         | 45                  | 47.75 | 19.75 |
| 42         | 51                  | 53.75 | 22.81 |
| 48         | 57                  | 59.75 | 25.84 |
| 54         | 63                  | 65.75 | 28.88 |
| 60         | 69                  | 71.75 | 31.94 |
| 66         | 75                  | 76.75 | 35.00 |
| 72         | 81                  | 82.75 | 38.00 |
| 78         | 87                  | 88.75 | 41.05 |

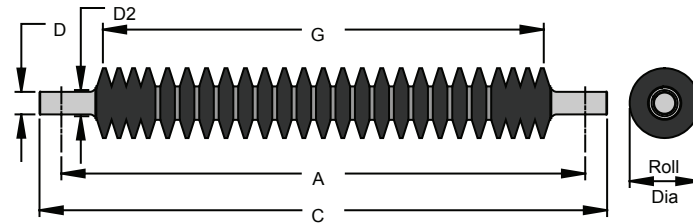
#### INVERTED V-RETURN

| Belt Width | 5" Roll Diameter |      |       |       |     | 6" Roll Diameter |      |       |       |     |
|------------|------------------|------|-------|-------|-----|------------------|------|-------|-------|-----|
|            | Part Number      | E    | H     | K     | WT  | Part Number      | E    | H     | K     | WT  |
| 24         | D5-15IVR-24SB-4  | 8.94 | 27.12 | 5.41  | 81  | D6-15IVR-24SB-4  | 9.42 | 26.86 | 5.89  | 88  |
| 30         | D5-15IVR-30SB-4  | 8.93 | 33.00 | 4.60  | 90  | D6-15IVR-30SB-4  | 9.41 | 32.74 | 5.08  | 99  |
| 36         | D5-15IVR-36SB-4  | 8.91 | 38.89 | 3.80  | 100 | D6-15IVR-36SB-4  | 9.39 | 38.63 | 4.28  | 110 |
| 42         | D5-15IVR-42SB-4  | 8.90 | 44.80 | 3.00  | 110 | D6-15IVR-42SB-4  | 9.38 | 44.55 | 3.48  | 121 |
| 48         | D5-15IVR-48SB-4  | 8.88 | 50.66 | 2.19  | 120 | D6-15IVR-48SB-4  | 9.36 | 50.40 | 2.67  | 133 |
| 54         | D5-15IVR-54SB-4  | 8.86 | 56.52 | 1.39  | 130 | D6-15IVR-54SB-4  | 9.34 | 56.26 | 1.87  | 144 |
| 60         | D5-15IVR-60SB-4  | 8.85 | 62.43 | 0.58  | 139 | D6-15IVR-60SB-4  | 9.33 | 62.18 | 1.06  | 155 |
| 66         | D5-15IVR-66SB-4  | 8.84 | 68.35 | -0.22 | 149 | D6-15IVR-66SB-4  | 9.32 | 68.09 | 0.26  | 166 |
| 72         | D5-15IVR-72SB-4  | 8.81 | 74.14 | -1.02 | 159 | D6-15IVR-72SB-4  | 9.29 | 73.89 | -0.54 | 177 |
| 78         | D5-15IVR-78SB-4  | 8.80 | 80.04 | -1.83 | 169 | D6-15IVR-78SB-4  | 9.28 | 79.78 | -1.34 | 188 |

\*Dimensions are for top position. There are four additional positions available.

Live Shaft Idlers are available in several different configurations, with different bearing journal diameters or as a steel can.

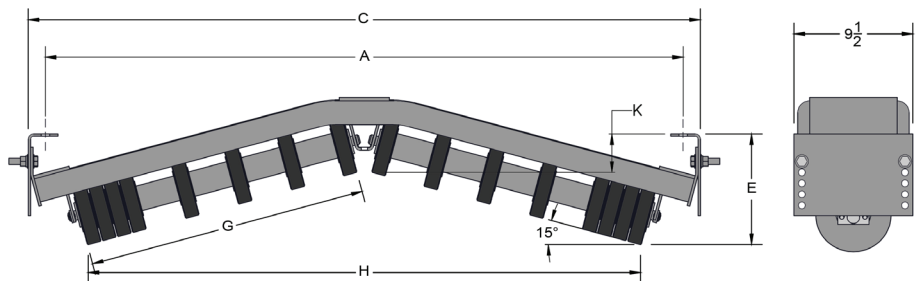
Please contact PPI with your requirements.



#### LIVE SHAFT IMPACT FLAT CARRIER

| Belt Width | 5" Roll Diameter |     | 6" Roll Diameter |     | Standard Dimensions |        |        |       |        |
|------------|------------------|-----|------------------|-----|---------------------|--------|--------|-------|--------|
|            | Part Number      | WT  | Part Number      | WT  | A                   | C      | D      | D2    | G      |
| 18         | D5-39LSI-18      | 65  | D6-39LSI-18      | 70  | 27                  | 31 1/4 | 2 7/16 | 2 7/8 | 19 7/8 |
| 24         | D5-39LSI-24      | 79  | D6-39LSI-24      | 86  | 33                  | 37 1/4 | 2 7/16 | 2 7/8 | 25 7/8 |
| 30         | D5-39LSI-30      | 94  | D6-39LSI-30      | 103 | 39                  | 43 1/4 | 2 7/16 | 2 7/8 | 31 7/8 |
| 36         | D5-39LSI-36      | 109 | D6-39LSI-36      | 116 | 45                  | 49 1/4 | 2 7/16 | 2 7/8 | 37 7/8 |
| 42         | D5-39LSI-42      | 123 | D6-39LSI-42      | 135 | 51                  | 55 1/4 | 2 7/16 | 2 7/8 | 43 7/8 |
| 48         | D5-39LSI-48      | 138 | D6-39LSI-48      | 151 | 57                  | 61 1/4 | 2 7/16 | 2 7/8 | 49 7/8 |
| 54         | D5-39LSI-54      | 152 | D6-39LSI-54      | 167 | 63                  | 67 1/4 | 2 7/16 | 2 7/8 | 55 7/8 |
| 60         | D5-39LSI-60      | 167 | D6-39LSI-60      | 184 | 69                  | 73 1/4 | 2 7/16 | 2 7/8 | 61 7/8 |
| 72         | D5-39LSI-72      | 196 | D6-39LSI-72      | 215 | 81                  | 85 1/4 | 2 7/16 | 2 7/8 | 73 7/8 |

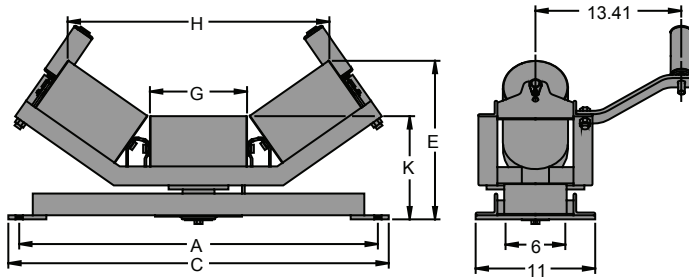
| Belt Width | Standard Dimensions |       |       |
|------------|---------------------|-------|-------|
|            | A                   | C     | G     |
| 24         | 33                  | 35.75 | 13.16 |
| 30         | 39                  | 41.75 | 16.20 |
| 36         | 45                  | 47.75 | 19.25 |
| 42         | 51                  | 53.75 | 22.31 |
| 48         | 57                  | 59.75 | 25.34 |
| 54         | 63                  | 65.75 | 28.38 |
| 60         | 69                  | 71.75 | 31.44 |
| 66         | 75                  | 76.75 | 34.50 |
| 72         | 81                  | 82.75 | 37.50 |
| 78         | 87                  | 88.75 | 40.55 |



#### INVERTED V-RETURN RUBBER DISC

| Belt Width | 5" Roll Diameter |      |       |       |     | 6" Roll Diameter |      |       |       |        |
|------------|------------------|------|-------|-------|-----|------------------|------|-------|-------|--------|
|            | Part Number      | E    | H     | K     | WT  | Part Number      | E    | H     | K     | WT     |
| 24         | D515IVRI24SB-4   | 8.87 | 26.44 | 5.50  | 78  | D615IVRI24SB-4   | 9.35 | 26.19 | 5.98  | 83     |
| 30         | D515IVRI30SB-4   | 8.85 | 32.33 | 4.69  | 88  | D615IVRI30SB-4   | 9.34 | 32.07 | 5.17  | 93     |
| 36         | D515IVRI36SB-4   | 8.84 | 38.22 | 3.89  | 96  | D615IVRI36SB-4   | 9.32 | 37.96 | 4.37  | 101.58 |
| 42         | D515IVRI42SB-4   | 8.83 | 44.13 | 3.08  | 106 | D615IVRI42SB-4   | 9.31 | 43.87 | 3.57  | 112.06 |
| 48         | D515IVRI48SB-4   | 8.81 | 49.99 | 2.28  | 114 | D615IVRI48SB-4   | 9.29 | 49.73 | 2.76  | 120.24 |
| 54         | D515IVRI54SB-4   | 8.79 | 55.85 | 1.48  | 124 | D615IVRI54SB-4   | 9.27 | 55.59 | 1.96  | 130.67 |
| 60         | D515IVRI60SB-4   | 8.78 | 61.76 | 0.67  | 133 | D615IVRI60SB-4   | 9.26 | 61.50 | 1.16  | 139.19 |
| 66         | D515IVRI66SB-4   | 8.76 | 67.68 | -0.14 | 142 | D615IVRI66SB-4   | 9.24 | 67.42 | 0.34  | 149.41 |
| 72         | D515IVRI72SB-4   | 8.73 | 73.47 | -0.94 | 151 | D615IVRI72SB-4   | 9.21 | 73.21 | -0.46 | 160    |
| 78         | D515IVRI78SB-4   | 8.72 | 79.48 | -1.75 | 161 | D615IVRI78SB-4   | 9.20 | 79.22 | -1.26 | 170    |

\*Dimensions are for top position. There are four additional positions available.



| Belt Width | Standard Dimensions |    |         | Wide Base |    |
|------------|---------------------|----|---------|-----------|----|
|            | A                   | C  | G       | Aw        | Cw |
| 24         | 33                  | 35 | 8 15/16 | 39        | 41 |
| 30         | 39                  | 41 | 11 1/8  | 45        | 47 |
| 36         | 45                  | 47 | 13 1/4  | 51        | 53 |
| 42         | 51                  | 53 | 15 7/16 | 57        | 59 |
| 48         | 57                  | 59 | 17 5/8  | 63        | 65 |
| 54         | 63                  | 65 | 19 3/4  | 69        | 71 |
| 60         | 69                  | 71 | 21 3/4  | 75        | 77 |
| 72         | 81                  | 83 | 26      | 87        | 89 |

## 20° SELF-ALIGNER EQUAL TROUGH

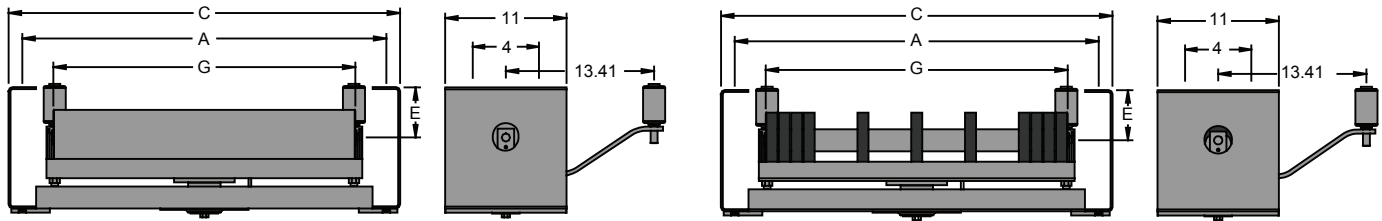
| Belt Width | 5" Roll Diameter |          |         |       |     | 6" Roll Diameter |        |          |        |     |
|------------|------------------|----------|---------|-------|-----|------------------|--------|----------|--------|-----|
|            | Part Number      | E        | H       | K     | WT  | Part Number      | E      | H        | K      | WT  |
| 24         | D5-20TESA-24SB   | 12 3/16  | 27 1/16 | 9     | 112 | D6-20TESA-24SB   | 12 5/8 | 26 11/16 | 9 1/2  | 120 |
| 30         | D5-20TESA-30SB   | 12 15/16 | 33 3/8  | 9     | 123 | D6-20TESA-30SB   | 13 3/8 | 32 15/16 | 9 1/2  | 133 |
| 36         | D5-20TESA-36SB   | 13 11/16 | 39 7/16 | 9     | 135 | D6-20TESA-36SB   | 14 1/8 | 39 1/8   | 9 1/2  | 146 |
| 42         | D5-20TESA-42SB   | 14 15/16 | 45 3/4  | 9 1/2 | 164 | D6-20TESA-42SB   | 15 3/8 | 45 7/16  | 10     | 177 |
| 48         | D5-20TESA-48SB   | 15 11/16 | 52 1/16 | 9 1/2 | 178 | D6-20TESA-48SB   | 16 1/8 | 51 3/4   | 10     | 192 |
| 54         | D5-20TESA-54SB   | 16 3/8   | 58 3/16 | 10    | 221 | D6-20TESA-54SB   | 16 7/8 | 57 13/16 | 10 1/2 | 236 |
| 60         | D5-20TESA-60SB   | 17 1/16  | 63 7/8  | 10    | 236 | D6-20TESA-60SB   | 17 1/2 | 63 9/16  | 10 1/2 | 253 |
| 72         | D5-20TESA-72SB   | 18 3/8   | 76 3/16 | 10    | 265 | D6-20TESA-72SB   | 18 7/8 | 75 13/16 | 10 1/2 | 284 |

## 35° SELF-ALIGNER EQUAL TROUGH

| Belt Width | 5" Roll Diameter |          |          |       |     | 6" Roll Diameter |          |          |        |     |
|------------|------------------|----------|----------|-------|-----|------------------|----------|----------|--------|-----|
|            | Part Number      | E        | H        | K     | WT  | Part Number      | E        | H        | K      | WT  |
| 24         | D5-35TESA-24SB   | 14 5/16  | 24 9/16  | 9     | 115 | D6-35TESA-24SB   | 14 3/4   | 24 1/16  | 9 1/2  | 124 |
| 30         | D5-35TESA-30SB   | 15 9/16  | 30 3/8   | 9     | 127 | D6-35TESA-30SB   | 16 1/16  | 29 13/16 | 9 1/2  | 137 |
| 36         | D5-35TESA-36SB   | 16 3/4   | 35 15/16 | 9     | 139 | D6-35TESA-36SB   | 17 3/16  | 35 7/16  | 9 1/2  | 150 |
| 42         | D5-35TESA-42SB   | 18 9/16  | 41 3/4   | 9 1/2 | 168 | D6-35TESA-42SB   | 18 15/16 | 41 3/16  | 10     | 181 |
| 48         | D5-35TESA-48SB   | 19 13/16 | 47 1/2   | 9 1/2 | 182 | D6-35TESA-48SB   | 20 3/16  | 46 15/16 | 10     | 196 |
| 54         | D5-35TESA-54SB   | 21       | 53 1/8   | 10    | 225 | D6-35TESA-54SB   | 21 7/16  | 52 9/16  | 10 1/2 | 241 |
| 60         | D5-35TESA-60SB   | 22 3/16  | 58 3/8   | 10    | 241 | D6-35TESA-60SB   | 22 9/16  | 57 7/8   | 10 1/2 | 258 |
| 72         | D5-35TESA-72SB   | 24 7/16  | 69 9/16  | 10    | 273 | D6-35TESA-72SB   | 24 7/8   | 69 1/16  | 10 1/2 | 293 |

## 45° SELF-ALIGNER EQUAL TROUGH

| Belt Width | 5" Roll Diameter |          |          |       |     | 6" Roll Diameter |          |          |        |     |
|------------|------------------|----------|----------|-------|-----|------------------|----------|----------|--------|-----|
|            | Part Number      | E        | H        | K     | WT  | Part Number      | E        | H        | K      | WT  |
| 24         | D5-45TESA-24SB   | 15 3/8   | 22 3/4   | 9     | 116 | D6-45TESA-24SB   | 15 7/8   | 22 1/8   | 9 1/2  | 124 |
| 30         | D5-45TESA-30SB   | 16 15/16 | 28 1/16  | 9     | 128 | D6-45TESA-30SB   | 17 1/2   | 27 3/8   | 9 1/2  | 137 |
| 36         | D5-45TESA-36SB   | 18 7/16  | 33 1/8   | 9     | 139 | D6-45TESA-36SB   | 18 15/16 | 32 5/16  | 9 1/2  | 150 |
| 42         | D5-45TESA-42SB   | 20 7/16  | 38 7/16  | 9 1/2 | 169 | D6-45TESA-42SB   | 21       | 37 11/16 | 10     | 182 |
| 48         | D5-45TESA-48SB   | 22       | 43 11/16 | 9 1/2 | 183 | D6-45TESA-48SB   | 22 9/16  | 43 1/16  | 10     | 197 |
| 54         | D5-45TESA-54SB   | 23 11/16 | 48 13/16 | 10    | 227 | D6-45TESA-54SB   | 24 1/16  | 48 1/16  | 10 1/2 | 242 |
| 60         | D5-45TESA-60SB   | 25 1/8   | 53 11/16 | 10    | 242 | D6-45TESA-60SB   | 25 7/16  | 53       | 10 1/2 | 259 |
| 72         | D5-45TESA-72SB   | 28       | 63 15/16 | 10    | 275 | D6-45TESA-72SB   | 28 5/16  | 63 1/4   | 10 1/2 | 294 |



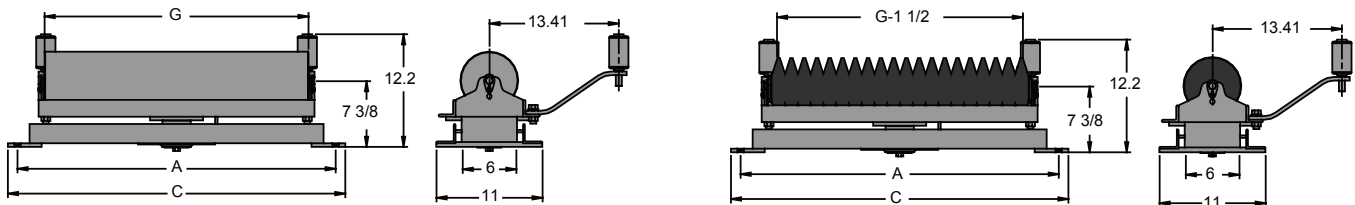
## RETURN SELF-ALIGNER

| Belt Width | 5" Roll Diameter |     |               |     | 6" Roll Diameter |     |               |     | Standard Dimensions |    |       |        | Wide Base |    |
|------------|------------------|-----|---------------|-----|------------------|-----|---------------|-----|---------------------|----|-------|--------|-----------|----|
|            | E=4½"            | WT  | E=1½"         | WT  | E=4½"            | WT  | E=1½"         | WT  | A                   | C  | E     | G      | Aw        | Cw |
| 24         | D5-RSA-24SB      | 114 | D5-RSA-24SB-1 | 111 | D6-RSA-24SB      | 121 | D6-RSA-24SB-1 | 117 | 33                  | 35 | 4 1/2 | 27 3/8 | 39        | 41 |
| 30         | D5-RSA-30SB      | 125 | D5-RSA-30SB-1 | 122 | D6-RSA-30SB      | 133 | D6-RSA-30SB-1 | 130 | 39                  | 41 | 4 1/2 | 33 3/8 | 45        | 47 |
| 36         | D5-RSA-36SB      | 136 | D5-RSA-36SB-1 | 133 | D6-RSA-36SB      | 146 | D6-RSA-36SB-1 | 142 | 45                  | 47 | 4 1/2 | 39 3/8 | 51        | 53 |
| 42         | D5-RSA-42SB      | 163 | D5-RSA-42SB-1 | 160 | D6-RSA-42SB      | 174 | D6-RSA-42SB-1 | 170 | 51                  | 53 | 4 1/2 | 45 3/8 | 57        | 59 |
| 48         | D5-RSA-48SB      | 176 | D5-RSA-48SB-1 | 173 | D6-RSA-48SB      | 188 | D6-RSA-48SB-1 | 185 | 57                  | 59 | 4 1/2 | 51 3/8 | 63        | 65 |
| 54         | D5-RSA-54SB      | 189 | D5-RSA-54SB-1 | 186 | D6-RSA-54SB      | 203 | D6-RSA-54SB-1 | 199 | 63                  | 65 | 4 1/2 | 57 3/8 | 69        | 71 |
| 60         | D5-RSA-60SB      | 202 | D5-RSA-60SB-1 | 199 | D6-RSA-60SB      | 217 | D6-RSA-60SB-1 | 214 | 69                  | 71 | 4 1/2 | 63 3/8 | 75        | 77 |
| 72         | D5-RSA-72SB      | 247 | D5-RSA-72SB-1 | 244 | D6-RSA-72SB      | 264 | D6-RSA-72SB-1 | 261 | 81                  | 83 | 4 1/2 | 75 3/8 | 87        | 89 |

## RETURN RUBBER DISC SELF-ALIGNER

| Belt Width | 5" Roll Diameter |     |                 |     | 6" Roll Diameter |     |                 |     | Standard Dimensions |    |       |        | Wide Base |    |
|------------|------------------|-----|-----------------|-----|------------------|-----|-----------------|-----|---------------------|----|-------|--------|-----------|----|
|            | E=4½"            | WT  | E=1½"           | WT  | E=4½"            | WT  | E=1½"           | WT  | A                   | C  | E     | G      | Aw        | Cw |
| 24         | D5-RRDSA-24SB    | 121 | D5-RRDSA-24SB-1 | 118 | D6-RRDSA-24SB    | 126 | D6-RRDSA-24SB-1 | 122 | 33                  | 35 | 4 1/2 | 26 7/8 | 39        | 41 |
| 30         | D5-RRDSA-30SB    | 133 | D5-RRDSA-30SB-1 | 130 | D6-RRDSA-30SB    | 138 | D6-RRDSA-30SB-1 | 135 | 39                  | 41 | 4 1/2 | 32 7/8 | 45        | 47 |
| 36         | D5-RRDSA-36SB    | 146 | D5-RRDSA-36SB-1 | 142 | D6-RRDSA-36SB    | 151 | D6-RRDSA-36SB-1 | 147 | 45                  | 47 | 4 1/2 | 38 7/8 | 51        | 53 |
| 42         | D5-RRDSA-42SB    | 173 | D5-RRDSA-42SB-1 | 170 | D6-RRDSA-42SB    | 179 | D6-RRDSA-42SB-1 | 175 | 51                  | 53 | 4 1/2 | 44 7/8 | 57        | 59 |
| 48         | D5-RRDSA-48SB    | 187 | D5-RRDSA-48SB-1 | 184 | D6-RRDSA-48SB    | 193 | D6-RRDSA-48SB-1 | 190 | 57                  | 59 | 4 1/2 | 50 7/8 | 63        | 65 |
| 54         | D5-RRDSA-54SB    | 201 | D5-RRDSA-54SB-1 | 198 | D6-RRDSA-54SB    | 208 | D6-RRDSA-54SB-1 | 204 | 63                  | 65 | 4 1/2 | 56 7/8 | 69        | 71 |
| 60         | D5-RRDSA-60SB    | 215 | D5-RRDSA-60SB-1 | 212 | D6-RRDSA-60SB    | 222 | D6-RRDSA-60SB-1 | 219 | 69                  | 71 | 4 1/2 | 62 7/8 | 75        | 77 |
| 72         | D5-RRDSA-72SB    | 262 | D5-RRDSA-72SB-1 | 259 | D6-RRDSA-72SB    | 269 | D6-RRDSA-72SB-1 | 266 | 81                  | 83 | 4 1/2 | 74 7/8 | 87        | 89 |

RSAs and RRDSAs are available with 1 1/2" drop, add "-1" to the end of the part number.



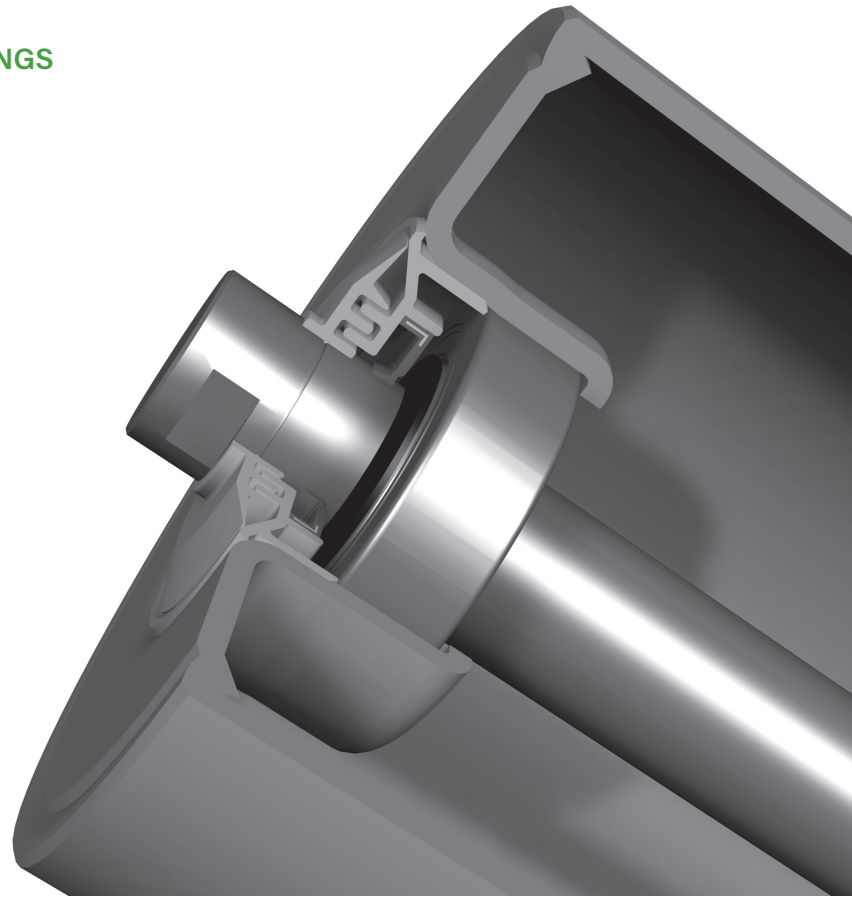
## FLAT CARRIER SELF-ALIGNER

| Belt Width | Steel Rolls      |     |                  |     | Rubber Disc Rolls |     |                  |     | Standard Dimensions |    |        | Wide Base |    |
|------------|------------------|-----|------------------|-----|-------------------|-----|------------------|-----|---------------------|----|--------|-----------|----|
|            | 5" Roll Diameter |     | 6" Roll Diameter |     | 5" Roll Diameter  |     | 6" Roll Diameter |     |                     |    |        |           |    |
|            | Part Number      | WT  | Part Number      | WT  | Part Number       | WT  | Part Number      | WT  | A                   | C  | G      | Aw        | Cw |
| 24         | D5-FSA-24SB      | 98  | D6-FSA-24SB      | 105 | D5-FRDSA-24SB     | 107 | D6-FRDSA-24SB    | 113 | 33                  | 35 | 27 3/8 | 39        | 41 |
| 30         | D5-FSA-30SB      | 109 | D6-FSA-30SB      | 117 | D5-FRDSA-30SB     | 121 | D6-FRDSA-30SB    | 127 | 39                  | 41 | 33 3/8 | 45        | 47 |
| 36         | D5-FSA-36SB      | 120 | D6-FSA-36SB      | 130 | D5-FRDSA-36SB     | 134 | D6-FRDSA-36SB    | 142 | 45                  | 47 | 39 3/8 | 51        | 53 |
| 42         | D5-FSA-42SB      | 147 | D6-FSA-42SB      | 158 | D5-FRDSA-42SB     | 163 | D6-FRDSA-42SB    | 172 | 51                  | 53 | 45 3/8 | 57        | 59 |
| 48         | D5-FSA-48SB      | 160 | D6-FSA-48SB      | 172 | D5-FRDSA-48SB     | 178 | D6-FRDSA-48SB    | 188 | 57                  | 59 | 51 3/8 | 63        | 65 |
| 54         | D5-FSA-54SB      | 187 | D6-FSA-54SB      | 201 | D5-FRDSA-54SB     | 205 | D6-FRDSA-54SB    | 219 | 63                  | 65 | 57 3/8 | 69        | 71 |
| 60         | D5-FSA-60SB      | 202 | D6-FSA-60SB      | 216 | D5-FRDSA-60SB     | 224 | D6-FRDSA-60SB    | 237 | 69                  | 71 | 63 3/8 | 75        | 77 |
| 72         | D5-FSA-72SB      | 231 | D6-FSA-72SB      | 248 | D5-FRDSA-72SB     | 258 | D6-FRDSA-72SB    | 273 | 81                  | 83 | 75 3/8 | 87        | 89 |



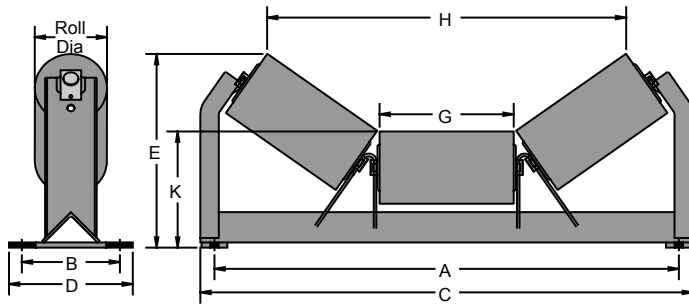
## CEMA E CLASS IDLERS PRODUCT OFFERINGS

- Equal Trougher
- Equal Impact Trougher
- Unequal Trougher
- Unequal Impact Trougher
- Flat Carrier
- Impact Flat Carrier
- Return Roller
- Return Rubber Disc
- Channel Inset Flat Carrier
- Channel Inset Flat Rubber Disc Carrier
- Channel Inset Trougher
- Channel Inset Return Roller
- Channel Inset Impact Trougher
- Channel Inset Impact Return Roller
- Self-Aligner Trougher
- Self-Aligner Return Roller
- Self-Aligner Flat Roller
- Additional Configurations Available



## CEMA E LOAD RATINGS

| BELT<br>WIDTH | TROUGHING ANGLE |       |       | RETURN<br>& FLAT | TWO-ROLL<br>V-RETURNS | UNEQUAL (Picking) | LIVE<br>SHAFT |
|---------------|-----------------|-------|-------|------------------|-----------------------|-------------------|---------------|
|               | 20°             | 35°   | 45°   |                  |                       |                   |               |
| 36            | 1,800           | 1,800 | 1,800 | 1,000            | 1,300                 | 1,260             | 2,100         |
| 42            | 1,800           | 1,800 | 1,800 | 1,000            | 1,300                 | 1,200             | 2,100         |
| 48            | 1,800           | 1,800 | 1,800 | 1,000            | 1,300                 | 1,000             | 2,100         |
| 54            | 1,800           | 1,800 | 1,800 | 925              | 1,300                 | 1,000             | 2,100         |
| 60            | 1,800           | 1,800 | 1,800 | 850              | 1,300                 | 1,000             | 2,100         |
| 66            | 1,800           | 1,800 | 1,800 | 775              | 1,300                 | 1,000             | 2,100         |
| 72            | 1,800           | 1,800 | 1,800 | 700              | 1,300                 | 925               | 2,100         |
| 78            | -               | -     | -     | 625              | 1,300                 | -                 | 2,100         |
| 84            | 1,800           | 1,674 | 1,620 | 550              | 1,300                 | 775               | 1,825         |
| 90            | -               | -     | -     | 475              | 1,300                 | -                 | -             |
| 96            | 1,750           | 1,628 | 1,575 | 400              | 1,300                 | 625               | -             |
| 102           | -               | -     | -     | 250              | 1,300                 | -                 | -             |



| Belt Width | Standard Dimensions |       |         |        |        | Wide Base |         |
|------------|---------------------|-------|---------|--------|--------|-----------|---------|
|            | A                   | B     | C       | D      | G      | Aw        | Cw      |
| 36         | 45                  | 7 1/2 | 49      | 12     | 13     | 51        | 53 1/2  |
| 42         | 51                  | 7 1/2 | 54 3/4  | 12     | 15     | 57        | 59 1/2  |
| 48         | 57                  | 7 1/2 | 62 5/8  | 12     | 17 3/4 | 63        | 65 1/2  |
| 54         | 63                  | 7 1/2 | 68 3/8  | 12     | 19 3/4 | 69        | 71 1/2  |
| 60         | 69                  | 7 1/2 | 74 1/4  | 12     | 21 3/4 | 75        | 77 1/2  |
| 66         | 75                  | 8 1/2 | 79 7/8  | 12     | 23 3/4 | 81        | 83 1/2  |
| 72         | 81                  | 8 1/2 | 85 7/8  | 12     | 25 3/4 | 87        | 89 1/2  |
| 78         | 87                  | 8 1/2 | 91 3/8  | 12     | 27 3/4 | 93        | 95 1/2  |
| 84         | 93                  | 9     | 97 1/4  | 14 1/2 | 29 3/4 | 99        | 101 1/2 |
| 90         | 99                  | 9     | 102 7/8 | 14 1/2 | 31 3/4 | 102       | 107 1/2 |
| 96         | 105                 | 9     | 108 3/4 | 14 1/2 | 33 3/4 | 111       | 113 1/2 |

## 20° EQUAL TROUGHER

| Belt Width | 6" Roll Diameter |          |          |        |     | 7" Roll Diameter |          |          |        |     |
|------------|------------------|----------|----------|--------|-----|------------------|----------|----------|--------|-----|
|            | Part Number      | E        | H        | K      | WT  | Part Number      | E        | H        | K      | WT  |
| 36         | E6-20TE-36SB     | 15 3/8   | 39 3/4   | 10 3/4 | 125 | E7-20TE-36SB     | 15 7/8   | 39 3/8   | 11 1/4 | 134 |
| 42         | E6-20TE-42SB     | 16 1/16  | 45 1/2   | 10 3/4 | 138 | E7-20TE-42SB     | 16 9/16  | 45 1/8   | 11 1/4 | 147 |
| 48         | E6-20TE-48SB     | 17       | 53 7/16  | 10 3/4 | 154 | E7-20TE-48SB     | 17 1/2   | 53 1/16  | 11 1/4 | 165 |
| 54         | E6-20TE-54SB     | 17 11/16 | 59 3/16  | 10 3/4 | 174 | E7-20TE-54SB     | 18 3/16  | 58 7/8   | 11 1/4 | 186 |
| 60         | E6-20TE-60SB     | 18 3/8   | 64 15/16 | 10 3/4 | 187 | E7-20TE-60SB     | 18 7/8   | 64 9/16  | 11 1/4 | 200 |
| 66         | E6-20TE-66SB     | 19 13/16 | 70 11/16 | 11 1/2 | 213 | E7-20TE-66SB     | 20 1/4   | 70 5/16  | 12     | 227 |
| 72         | E6-20TE-72SB     | 20 1/2   | 76 7/16  | 11 1/2 | 227 | E7-20TE-72SB     | 20 15/16 | 76 1/8   | 12     | 241 |
| 78         | E6-20TE-78SB     | 21 1/4   | 82 3/16  | 11 1/2 | 240 | E7-20TE-78SB     | 21 11/16 | 81 15/16 | 12     | 255 |
| 84         | E6-20TE-84SB     | 21 15/16 | 87 15/16 | 11 5/8 | 303 | E7-20TE-84SB     | 22 7/16  | 87 9/16  | 12 1/8 | 319 |
| 90         | E6-20TE-90SB     | 22 5/8   | 93 3/4   | 11 5/8 | 319 | E7-20TE-90SB     | 23 1/8   | 93 3/8   | 12 1/8 | 336 |
| 96         | E6-20TE-96SB     | 23 5/16  | 99 1/2   | 11 5/8 | 336 | E7-20TE-96SB     | 23 13/16 | 99 1/8   | 12 1/8 | 353 |

## 35° EQUAL TROUGHER

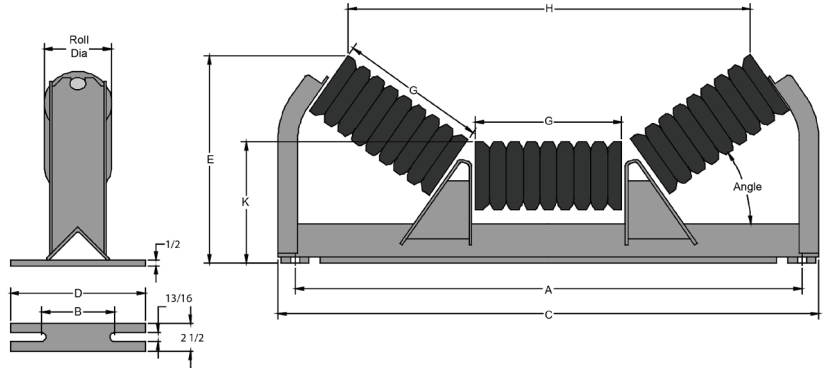
| Belt Width | 6" Roll Diameter |          |         |        |     | 7" Roll Diameter |          |          |        |     |
|------------|------------------|----------|---------|--------|-----|------------------|----------|----------|--------|-----|
|            | Part Number      | E        | H       | K      | WT  | Part Number      | E        | H        | K      | WT  |
| 36         | E6-35TE-36SB     | 18 5/16  | 35 3/8  | 10 3/4 | 129 | E7-35TE-36SB     | 18 3/4   | 34 3/4   | 11 1/4 | 138 |
| 42         | E6-35TE-42SB     | 19 1/2   | 40 5/8  | 10 3/4 | 141 | E7-35TE-42SB     | 19 7/8   | 40 1/16  | 11 1/4 | 151 |
| 48         | E6-35TE-48SB     | 21 1/16  | 47 7/8  | 10 3/4 | 157 | E7-35TE-48SB     | 21 1/2   | 47 5/16  | 11 1/4 | 168 |
| 54         | E6-35TE-54SB     | 22 1/4   | 53 3/16 | 10 3/4 | 178 | E7-35TE-54SB     | 22 5/8   | 52 5/8   | 11 1/4 | 190 |
| 60         | E6-35TE-60SB     | 23 3/8   | 58 7/16 | 10 3/4 | 191 | E7-35TE-60SB     | 23 3/4   | 57 7/8   | 11 1/4 | 203 |
| 66         | E6-35TE-66SB     | 25 1/4   | 63 3/4  | 11 1/2 | 217 | E7-35TE-66SB     | 25 11/16 | 63 1/8   | 12     | 231 |
| 72         | E6-35TE-72SB     | 26 7/16  | 69      | 11 1/2 | 231 | E7-35TE-72SB     | 26 13/16 | 68 7/16  | 12     | 246 |
| 78         | E6-35TE-78SB     | 27 3/4   | 74 1/4  | 11 1/2 | 245 | E7-35TE-78SB     | 28       | 73 11/16 | 12     | 261 |
| 84         | E6-35TE-84SB     | 28 13/16 | 79 9/16 | 11 5/8 | 308 | E7-35TE-84SB     | 29 3/16  | 78 15/16 | 12 1/8 | 324 |
| 90         | E6-35TE-90SB     | 30       | 84 7/8  | 11 5/8 | 325 | E7-35TE-90SB     | 30 3/8   | 84 1/4   | 12 1/8 | 342 |
| 96         | E6-35TE-96SB     | 31 1/8   | 90 1/8  | 11 5/8 | 342 | E7-35TE-96SB     | 31 1/2   | 89 1/2   | 12 1/8 | 360 |

## 45° EQUAL TROUGHER

| Belt Width | 6" Roll Diameter |          |          |        |     | 7" Roll Diameter |          |          |        |     |
|------------|------------------|----------|----------|--------|-----|------------------|----------|----------|--------|-----|
|            | Part Number      | E        | H        | K      | WT  | Part Number      | E        | H        | K      | WT  |
| 36         | E6-45TE-36SB     | 20 1/8   | 32 9/16  | 10 3/4 | 132 | E7-45TE-36SB     | 20 1/2   | 31 7/8   | 11 1/4 | 141 |
| 42         | E6-45TE-42SB     | 21 9/16  | 37 3/8   | 10 3/4 | 144 | E7-45TE-42SB     | 21 7/8   | 36 11/16 | 11 1/4 | 154 |
| 48         | E6-45TE-48SB     | 23 1/2   | 44 1/16  | 10 3/4 | 160 | E7-45TE-48SB     | 23 7/8   | 43 5/16  | 11 1/4 | 171 |
| 54         | E6-45TE-54SB     | 24 15/16 | 48 7/8   | 10 3/4 | 181 | E7-45TE-54SB     | 25 1/4   | 48 1/8   | 11 1/4 | 193 |
| 60         | E6-45TE-60SB     | 26 5/16  | 53 11/16 | 10 3/4 | 194 | E7-45TE-60SB     | 26 11/16 | 52 15/16 | 11 1/4 | 207 |
| 66         | E6-45TE-66SB     | 28 1/2   | 58 9/16  | 11 1/2 | 221 | E7-45TE-66SB     | 28 13/16 | 57 13/16 | 12     | 235 |
| 72         | E6-45TE-72SB     | 29 7/8   | 63 3/8   | 11 1/2 | 235 | E7-45TE-72SB     | 30 1/4   | 62 5/8   | 12     | 250 |
| 78         | E6-45TE-78SB     | 31 3/8   | 68 3/16  | 11 1/2 | 250 | E7-45TE-78SB     | 31 3/4   | 67 1/2   | 12     | 265 |
| 84         | E6-45TE-84SB     | 32 13/16 | 73       | 11 5/8 | 313 | E7-45TE-84SB     | 33 3/16  | 72 5/16  | 12 1/8 | 329 |
| 90         | E6-45TE-90SB     | 34 1/4   | 77 13/16 | 11 5/8 | 330 | E7-45TE-90SB     | 34 5/8   | 77 1/8   | 12 1/8 | 347 |
| 96         | E6-45TE-96SB     | 35 11/16 | 82 5/8   | 11 5/8 | 347 | E7-45TE-96SB     | 36       | 81 15/16 | 12 1/8 | 365 |



| Belt Width | Standard Dimensions |       |         |        |        | Wide Base |         |
|------------|---------------------|-------|---------|--------|--------|-----------|---------|
|            | A                   | B     | C       | D      | G      | Aw        | Cw      |
| 36         | 45                  | 9 1/2 | 49      | 12     | 13     | 51        | 53 1/2  |
| 42         | 51                  | 9 1/2 | 54 3/4  | 12     | 15     | 57        | 59 1/2  |
| 48         | 57                  | 9 1/2 | 62 5/8  | 12     | 17 3/4 | 63        | 65 1/2  |
| 54         | 63                  | 9 1/2 | 68 3/8  | 12     | 19 3/4 | 69        | 71 1/2  |
| 60         | 69                  | 9 1/2 | 74 1/4  | 12     | 21 3/4 | 75        | 77 1/2  |
| 66         | 75                  | 9 1/2 | 79 7/8  | 12     | 23 3/4 | 81        | 83 1/2  |
| 72         | 81                  | 9 1/2 | 85 7/8  | 12     | 25 3/4 | 87        | 89 1/2  |
| 78         | 87                  | 9 1/2 | 91 3/8  | 12     | 27 3/4 | 93        | 95 1/2  |
| 84         | 93                  | 12    | 97 1/4  | 14 1/2 | 29 3/4 | 99        | 101 1/2 |
| 90         | 99                  | 12    | 102 7/8 | 14 1/2 | 31 3/4 | 102       | 107 1/2 |
| 96         | 105                 | 12    | 108 3/4 | 14 1/2 | 33 3/4 | 111       | 113 1/2 |

**20° EQUAL IMPACT TROUGHER**

| Belt Width | 6" Roll Diameter |          |          |        |     | 7" Roll Diameter |          |          |        |     |
|------------|------------------|----------|----------|--------|-----|------------------|----------|----------|--------|-----|
|            | Part Number      | E        | H        | K      | WT  | Part Number      | E        | H        | K      | WT  |
| 36         | E6-20TEI-36SB    | 15 3/8   | 39 3/4   | 10 3/4 | 192 | E7-20TEI-36SB    | 15 7/8   | 39 3/8   | 11 1/4 | 195 |
| 42         | E6-20TEI-42SB    | 16 1/16  | 45 1/2   | 10 3/4 | 215 | E7-20TEI-42SB    | 16 9/16  | 45 1/8   | 11 1/4 | 218 |
| 48         | E6-20TEI-48SB    | 17       | 53 7/16  | 10 3/4 | 245 | E7-20TEI-48SB    | 17 1/2   | 53 1/16  | 11 1/4 | 249 |
| 54         | E6-20TEI-54SB    | 17 11/16 | 59 3/16  | 10 3/4 | 288 | E7-20TEI-54SB    | 18 3/16  | 58 7/8   | 11 1/4 | 292 |
| 60         | E6-20TEI-60SB    | 18 3/8   | 64 15/16 | 10 3/4 | 304 | E7-20TEI-60SB    | 18 7/8   | 64 9/16  | 11 1/4 | 278 |
| 66         | E6-20TEI-66SB    | 19 13/16 | 70 11/16 | 11 1/2 | 358 | E7-20TEI-66SB    | 20 1/4   | 70 5/16  | 12     | 363 |
| 72         | E6-20TEI-72SB    | 20 1/2   | 76 7/16  | 11 1/2 | 383 | E7-20TEI-72SB    | 20 15/16 | 76 1/8   | 12     | 389 |
| 78         | E6-20TEI-78SB    | 21 1/4   | 82 3/16  | 11 1/2 | 412 | E7-20TEI-78SB    | 21 11/16 | 81 15/16 | 12     | 418 |
| 84         | E6-20TEI-84SB    | 21 15/16 | 87 15/16 | 11 5/8 | 487 | E7-20TEI-84SB    | 22 7/16  | 87 9/16  | 12 1/8 | 493 |
| 90         | E6-20TEI-90SB    | 22 5/8   | 93 3/4   | 11 5/8 | 515 | E7-20TEI-90SB    | 23 1/8   | 93 3/8   | 12 1/8 | 522 |
| 96         | E6-20TEI-96SB    | 23 5/16  | 99 1/2   | 11 5/8 | 546 | E7-20TEI-96SB    | 23 13/16 | 99 1/8   | 12 1/8 | 554 |

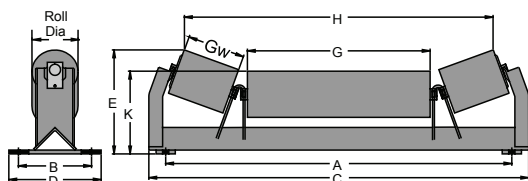
**35° EQUAL IMPACT TROUGHER**

| Belt Width | 6" Roll Diameter |          |         |        |     | 7" Roll Diameter |          |          |        |     |
|------------|------------------|----------|---------|--------|-----|------------------|----------|----------|--------|-----|
|            | Part Number      | E        | H       | K      | WT  | Part Number      | E        | H        | K      | WT  |
| 36         | E6-35TEI-36SB    | 18 5/16  | 35 3/8  | 10 3/4 | 198 | E7-35TEI-36SB    | 18 3/4   | 34 3/4   | 11 1/4 | 201 |
| 42         | E6-35TEI-42SB    | 19 1/2   | 40 5/8  | 10 3/4 | 220 | E7-35TEI-42SB    | 19 7/8   | 40 1/16  | 11 1/4 | 223 |
| 48         | E6-35TEI-48SB    | 21 1/16  | 47 7/8  | 10 3/4 | 250 | E7-35TEI-48SB    | 21 1/2   | 47 5/16  | 11 1/4 | 254 |
| 54         | E6-35TEI-54SB    | 22 1/4   | 53 3/16 | 10 3/4 | 281 | E7-35TEI-54SB    | 22 5/8   | 52 5/8   | 11 1/4 | 285 |
| 60         | E6-35TEI-60SB    | 23 3/8   | 58 7/16 | 10 3/4 | 309 | E7-35TEI-60SB    | 23 3/4   | 57 7/8   | 11 1/4 | 283 |
| 66         | E6-35TEI-66SB    | 25 1/4   | 63 3/4  | 11 1/2 | 363 | E7-35TEI-66SB    | 25 11/16 | 63 1/8   | 12     | 369 |
| 72         | E6-35TEI-72SB    | 26 7/16  | 69      | 11 1/2 | 389 | E7-35TEI-72SB    | 26 13/16 | 68 7/16  | 12     | 395 |
| 78         | E6-35TEI-78SB    | 27 3/4   | 74 1/4  | 11 1/2 | 418 | E7-35TEI-78SB    | 28       | 73 11/16 | 12     | 425 |
| 84         | E6-35TEI-84SB    | 28 13/16 | 79 9/16 | 11 5/8 | 493 | E7-35TEI-84SB    | 29 3/16  | 78 15/16 | 12 1/8 | 500 |
| 90         | E6-35TEI-90SB    | 30       | 84 7/8  | 11 5/8 | 522 | E7-35TEI-90SB    | 30 3/8   | 84 1/4   | 12 1/8 | 529 |
| 96         | E6-35TEI-96SB    | 31 1/8   | 90 1/8  | 11 5/8 | 554 | E7-35TEI-96SB    | 31 1/2   | 89 1/2   | 12 1/8 | 562 |

**45° EQUAL IMPACT TROUGHER**

| Belt Width | 6" Roll Diameter |          |          |        |     | 7" Roll Diameter |          |          |        |     |
|------------|------------------|----------|----------|--------|-----|------------------|----------|----------|--------|-----|
|            | Part Number      | E        | H        | K      | WT  | Part Number      | E        | H        | K      | WT  |
| 36         | E6-45TEI-36SB    | 20 1/8   | 32 9/16  | 10 3/4 | 203 | E7-45TEI-36SB    | 20 1/2   | 31 7/8   | 11 1/4 | 206 |
| 42         | E6-45TEI-42SB    | 21 9/16  | 37 3/8   | 10 3/4 | 225 | E7-45TEI-42SB    | 21 7/8   | 36 11/16 | 11 1/4 | 228 |
| 48         | E6-45TEI-48SB    | 23 1/2   | 44 1/16  | 10 3/4 | 255 | E7-45TEI-48SB    | 23 7/8   | 43 5/16  | 11 1/4 | 259 |
| 54         | E6-45TEI-54SB    | 24 15/16 | 48 7/8   | 10 3/4 | 286 | E7-45TEI-54SB    | 25 1/4   | 48 1/8   | 11 1/4 | 291 |
| 60         | E6-45TEI-60SB    | 26 5/16  | 53 11/16 | 10 3/4 | 314 | E7-45TEI-60SB    | 26 11/16 | 52 15/16 | 11 1/4 | 288 |
| 66         | E6-45TEI-66SB    | 28 1/2   | 58 9/16  | 11 1/2 | 370 | E7-45TEI-66SB    | 28 13/16 | 57 13/16 | 12     | 375 |
| 72         | E6-45TEI-72SB    | 29 7/8   | 63 3/8   | 11 1/2 | 396 | E7-45TEI-72SB    | 30 1/4   | 62 5/8   | 12     | 401 |
| 78         | E6-45TEI-78SB    | 31 3/8   | 68 3/16  | 11 1/2 | 425 | E7-45TEI-78SB    | 31 3/4   | 67 1/2   | 12     | 431 |
| 84         | E6-45TEI-84SB    | 32 13/16 | 73       | 11 5/8 | 500 | E7-45TEI-84SB    | 33 3/16  | 72 5/16  | 12 1/8 | 507 |
| 90         | E6-45TEI-90SB    | 34 1/4   | 77 13/16 | 11 5/8 | 529 | E7-45TEI-90SB    | 34 5/8   | 77 1/8   | 12 1/8 | 536 |
| 96         | E6-45TEI-96SB    | 35 11/16 | 82 5/8   | 11 5/8 | 561 | E7-45TEI-96SB    | 36       | 81 15/16 | 12 1/8 | 569 |

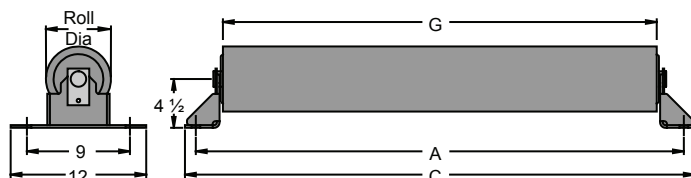
# CEMA E UNEQUAL TROUGH & FLAT CARRIER



| Belt Width | Standard Dimensions |       |         |        |        |       | Wide Base |         |
|------------|---------------------|-------|---------|--------|--------|-------|-----------|---------|
|            | A                   | B     | C       | D      | G      | Gw    | A         | C       |
| 36         | 45                  | 7 1/2 | 49 3/8  | 12     | 23 3/4 | 7 1/2 | 51        | 53 1/2  |
| 42         | 51                  | 7 1/2 | 55 3/8  | 12     | 29 3/4 | 7 1/2 | 57        | 59 1/2  |
| 48         | 57                  | 7 1/2 | 61 3/8  | 12     | 35 3/4 | 7 1/2 | 63        | 65 1/2  |
| 54         | 63                  | 7 1/2 | 67 3/8  | 12     | 41 3/4 | 7 1/2 | 69        | 71 1/2  |
| 60         | 69                  | 7 1/2 | 73 3/8  | 12     | 47 3/4 | 7 1/2 | 75        | 77 1/2  |
| 66         | 75                  | 8 1/2 | 79 3/8  | 12     | 53 3/4 | 7 1/2 | 81        | 83 1/2  |
| 72         | 81                  | 8 1/2 | 85 3/8  | 12     | 59 3/4 | 7 1/2 | 87        | 89 1/2  |
| 78         | 87                  | 8 1/2 | 91 3/8  | 12     | 65 3/4 | 7 1/2 | 93        | 95 1/2  |
| 84         | 93                  | 9     | 97 3/8  | 14 1/2 | 71 3/4 | 7 1/2 | 99        | 101 1/2 |
| 90         | 99                  | 9     | 102 7/8 | 14 1/2 | 77 3/4 | 7 1/2 | 102       | 107 1/2 |
| 96         | 105                 | 9     | 109 3/8 | 14 1/2 | 83 3/4 | 7 1/2 | 111       | 113 1/2 |

## 20° UNEQUAL TROUGH

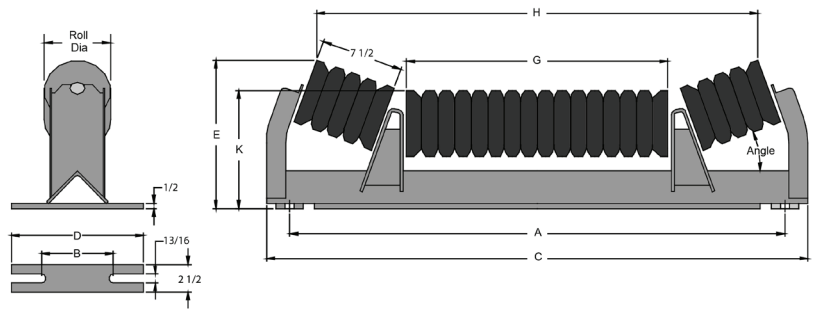
| Belt Width | 6" Roll Diameter |        |         |        |     | 7" Roll Diameter |          |          |        |     |
|------------|------------------|--------|---------|--------|-----|------------------|----------|----------|--------|-----|
|            | Part Number      | E      | H       | K      | WT  | Part Number      | E        | H        | K      | WT  |
| 36         | E6-20TU-36SB     | 13 1/2 | 40 3/16 | 10 3/4 | 125 | E7-20TU-36SB     | 13 15/16 | 39 13/16 | 11 1/4 | 130 |
| 42         | E6-20TU-42SB     | 13 1/2 | 46 3/16 | 10 3/4 | 136 | E7-20TU-42SB     | 13 15/16 | 45 13/16 | 11 1/4 | 145 |
| 48         | E6-20TU-48SB     | 13 1/2 | 52 3/16 | 10 3/4 | 147 | E7-20TU-48SB     | 13 15/16 | 51 13/16 | 11 1/4 | 158 |
| 54         | E6-20TU-54SB     | 13 1/2 | 58 3/16 | 10 3/4 | 167 | E7-20TU-54SB     | 13 15/16 | 57 13/16 | 11 1/4 | 179 |
| 60         | E6-20TU-60SB     | 13 1/2 | 64 3/16 | 10 3/4 | 179 | E7-20TU-60SB     | 13 15/16 | 63 13/16 | 11 1/4 | 191 |
| 66         | E6-20TU-66SB     | 14 1/4 | 70 1/8  | 11 1/2 | 205 | E7-20TU-66SB     | 14 3/4   | 69 3/4   | 12     | 218 |
| 72         | E6-20TU-72SB     | 14 1/4 | 76 1/8  | 11 1/2 | 218 | E7-20TU-72SB     | 14 3/4   | 75 3/4   | 12     | 232 |
| 78         | E6-20TU-78SB     | 14 1/4 | 82 1/8  | 11 1/2 | 231 | E7-20TU-72SB     | 14 3/4   | 81 3/4   | 12     | 246 |
| 84         | E6-20TU-84SB     | 14 3/8 | 88 1/8  | 11 5/8 | 294 | E7-20TU-84SB     | 14 13/16 | 87 3/4   | 12 1/8 | 310 |
| 90         | E6-20TU-90SB     | 14 3/8 | 94 1/8  | 11 5/8 | 310 | E7-20TU-72SB     | 14 13/16 | 93 3/4   | 12 1/8 | 327 |
| 96         | E6-20TU-96SB     | 14 3/8 | 100 1/8 | 11 5/8 | 326 | E7-20TU-96SB     | 14 13/16 | 99 3/4   | 12 1/8 | 343 |



## FLAT CARRIER

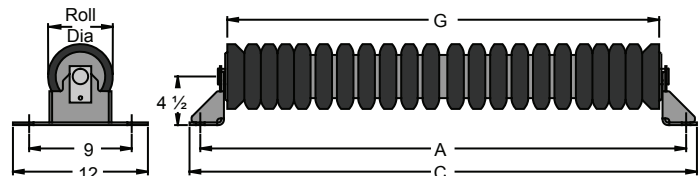
| Belt Width | 6" Roll Diameter |     | 7" Roll Diameter |     | Standard Dimensions |     |     |
|------------|------------------|-----|------------------|-----|---------------------|-----|-----|
|            | Part Number      | WT  | Part Number      | WT  | A                   | C   | G   |
| 36         | E6-F-36SB        | 68  | E7-F-36SB        | 75  | 45                  | 47  | 40  |
| 42         | E6-F-42SB        | 76  | E7-F-42SB        | 84  | 51                  | 53  | 46  |
| 48         | E6-F-48SB        | 84  | E7-F-48SB        | 92  | 57                  | 59  | 52  |
| 54         | E6-F-54SB        | 92  | E7-F-54SB        | 101 | 63                  | 65  | 58  |
| 60         | E6-F-60SB        | 100 | E7-F-60SB        | 110 | 69                  | 71  | 64  |
| 66         | E6-F-66SB        | 108 | E7-F-66SB        | 119 | 75                  | 77  | 70  |
| 72         | E6-F-72SB        | 115 | E7-F-72SB        | 127 | 81                  | 83  | 76  |
| 78         | E6-F-78SB        | 123 | E7-F-78SB        | 136 | 87                  | 89  | 82  |
| 84         | E6-F-84SB        | 131 | E7-F-84SB        | 145 | 93                  | 95  | 88  |
| 90         | E6-F-90SB        | 139 | E7-F-90SB        | 154 | 99                  | 101 | 94  |
| 96         | E6-F-96SB        | 147 | E7-F-96SB        | 163 | 105                 | 107 | 100 |
| 102        | E6-F-102SB       | 155 | E7-F-102SB       | 171 | 111                 | 113 | 106 |

| Belt Width | Standard Dimensions |       |         |        |        | Wide Base |         |
|------------|---------------------|-------|---------|--------|--------|-----------|---------|
|            | A                   | B     | C       | D      | G      | A         | C       |
| 36         | 45                  | 7 1/2 | 49 3/8  | 12     | 23 3/4 | 51        | 53 1/2  |
| 42         | 51                  | 7 1/2 | 55 3/8  | 12     | 29 3/4 | 57        | 59 1/2  |
| 48         | 57                  | 7 1/2 | 61 3/8  | 12     | 35 3/4 | 63        | 65 1/2  |
| 54         | 63                  | 7 1/2 | 67 3/8  | 12     | 41 3/4 | 69        | 71 1/2  |
| 60         | 69                  | 7 1/2 | 73 3/8  | 12     | 47 3/4 | 75        | 77 1/2  |
| 66         | 75                  | 8 1/2 | 79 3/8  | 12     | 53 3/4 | 81        | 83 1/2  |
| 72         | 81                  | 8 1/2 | 85 3/8  | 12     | 59 3/4 | 87        | 89 1/2  |
| 78         | 87                  | 8 1/2 | 91 3/8  | 12     | 65 3/4 | 93        | 95 1/2  |
| 84         | 93                  | 9     | 97 3/8  | 14 1/2 | 71 3/4 | 99        | 101 1/2 |
| 90         | 99                  | 9     | 102 7/8 | 14 1/2 | 77 3/4 | 102       | 107 1/2 |
| 96         | 105                 | 9     | 109 3/8 | 14 1/2 | 83 3/4 | 111       | 113 1/2 |



### 20° UNEQUAL IMPACT TROUGHER

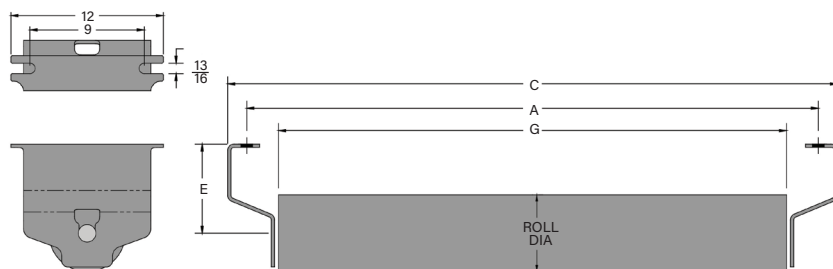
| Belt Width | 6" Roll Diameter |        |         |        |     | 7" Roll Diameter |          |          |        |     |
|------------|------------------|--------|---------|--------|-----|------------------|----------|----------|--------|-----|
|            | Part Number      | E      | H       | K      | WT  | Part Number      | E        | H        | K      | WT  |
| 36         | E6-20TUI-36SB    | 13 1/2 | 40 3/16 | 10 3/4 | 190 | E7-20TUI-36SB    | 13 15/16 | 39 13/16 | 11 1/4 | 192 |
| 42         | E6-20TUI-42SB    | 13 1/2 | 46 3/16 | 10 3/4 | 203 | E7-20TUI-42SB    | 13 15/16 | 45 13/16 | 11 1/4 | 206 |
| 48         | E6-20TUI-48SB    | 13 1/2 | 52 3/16 | 10 3/4 | 217 | E7-20TUI-48SB    | 13 15/16 | 51 13/16 | 11 1/4 | 221 |
| 54         | E6-20TUI-54SB    | 13 1/2 | 58 3/16 | 10 3/4 | 240 | E7-20TUI-54SB    | 13 15/16 | 57 13/16 | 11 1/4 | 244 |
| 60         | E6-20TUI-60SB    | 13 1/2 | 64 3/16 | 10 3/4 | 262 | E7-20TUI-60SB    | 13 15/16 | 63 13/16 | 11 1/4 | 267 |
| 66         | E6-20TUI-66SB    | 14 1/4 | 70 1/8  | 11 1/2 | 293 | E7-20TUI-66SB    | 14 3/4   | 69 3/4   | 12     | 298 |
| 72         | E6-20TUI-72SB    | 14 1/4 | 76 1/8  | 11 1/2 | 316 | E7-20TUI-72SB    | 14 3/4   | 75 3/4   | 12     | 322 |
| 78         | E6-20TUI-78SB    | 14 1/4 | 82 1/8  | 11 1/2 | 374 | E7-20TUI-72SB    | 14 3/4   | 81 3/4   | 12     | 380 |
| 84         | E6-20TUI-84SB    | 14 3/8 | 88 1/8  | 11 5/8 | 400 | E7-20TUI-84SB    | 14 13/16 | 87 3/4   | 12 1/8 | 407 |
| 90         | E6-20TUI-90SB    | 14 3/8 | 94 1/8  | 11 5/8 | 426 | E7-20TUI-72SB    | 14 13/16 | 93 3/4   | 12 1/8 | 433 |
| 96         | E6-20TUI-96SB    | 14 3/8 | 100 1/8 | 11 5/8 | 502 | E7-20TUI-96SB    | 14 13/16 | 99 3/4   | 12 1/8 | 509 |



### FLAT RUBBER DISC CARRIER

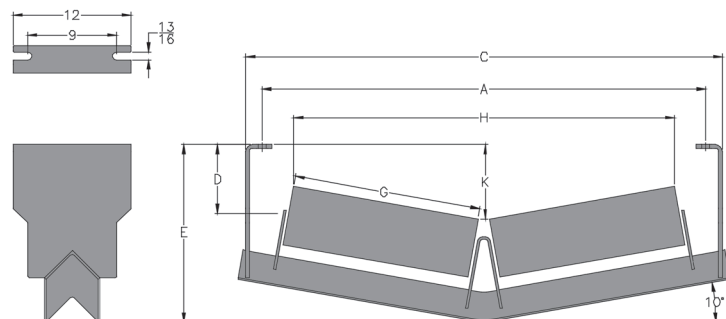
| Belt Width | 6" Roll Diameter |     | 7" Roll Diameter |     | Standard Dimensions |     |     |
|------------|------------------|-----|------------------|-----|---------------------|-----|-----|
|            | Part Number      | WT  | Part Number      | WT  | A                   | C   | G   |
| 36         | E6-FRD-36SB      | 104 | E7-FRD-36SB      | 106 | 45                  | 47  | 40  |
| 42         | E6-FRD-42SB      | 116 | E7-FRD-42SB      | 119 | 51                  | 53  | 46  |
| 48         | E6-FRD-48SB      | 129 | E7-FRD-48SB      | 132 | 57                  | 59  | 52  |
| 54         | E6-FRD-54SB      | 142 | E7-FRD-54SB      | 145 | 63                  | 65  | 58  |
| 60         | E6-FRD-60SB      | 155 | E7-FRD-60SB      | 159 | 69                  | 71  | 64  |
| 66         | E6-FRD-66SB      | 167 | E7-FRD-66SB      | 172 | 75                  | 77  | 70  |
| 72         | E6-FRD-72SB      | 180 | E7-FRD-72SB      | 185 | 81                  | 83  | 76  |
| 78         | E6-FRD-78SB      | 195 | E7-FRD-78SB      | 200 | 87                  | 89  | 82  |
| 84         | E6-FRD-84SB      | 208 | E7-FRD-84SB      | 214 | 93                  | 95  | 88  |
| 90         | E6-FRD-90SB      | 221 | E7-FRD-90SB      | 227 | 99                  | 101 | 94  |
| 96         | E6-FRD-96SB      | 234 | E7-FRD-96SB      | 240 | 105                 | 107 | 100 |
| 102        | E6-FRD-102SB     | 246 | E7-FRD-102SB     | 253 | 111                 | 113 | 106 |

# CEMA E RETURN & V-RETURN



## FLAT RETURN 7" DROP

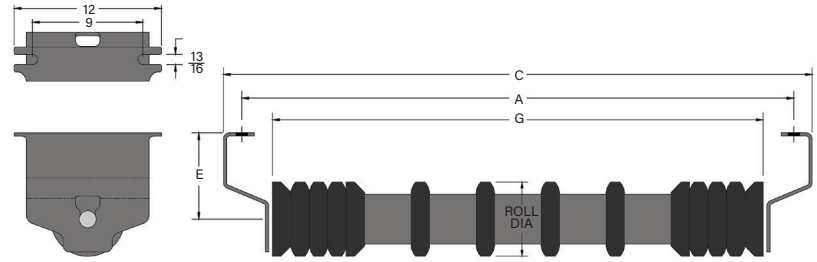
| Belt Width | 6" Roll Diameter |     |  | 7" Roll Diameter |     |  | Standard Dimensions |         |   |     |
|------------|------------------|-----|--|------------------|-----|--|---------------------|---------|---|-----|
|            | Part Number      |     |  | Part Number      |     |  | A                   | C       | E | G   |
| 36         | E6-R-36SB        | 77  |  | E7-R-36SB        | 84  |  | 45                  | 48 1/2  | 7 | 40  |
| 42         | E6-R-42SB        | 85  |  | E7-R-42SB        | 93  |  | 51                  | 54 1/2  | 7 | 46  |
| 48         | E6-R-48SB        | 93  |  | E7-R-48SB        | 102 |  | 57                  | 60 1/2  | 7 | 52  |
| 54         | E6-R-54SB        | 101 |  | E7-R-54SB        | 110 |  | 63                  | 66 1/2  | 7 | 58  |
| 60         | E6-R-60SB        | 109 |  | E7-R-60SB        | 119 |  | 69                  | 72 1/2  | 7 | 64  |
| 66         | E6-R-66SB        | 117 |  | E7-R-66SB        | 128 |  | 75                  | 78 1/2  | 7 | 70  |
| 72         | E6-R-72SB        | 125 |  | E7-R-72SB        | 137 |  | 81                  | 84 1/2  | 7 | 76  |
| 78         | E6-R-78SB        | 133 |  | E7-R-78SB        | 146 |  | 87                  | 90 1/2  | 7 | 82  |
| 84         | E6-R-84SB        | 141 |  | E7-R-84SB        | 154 |  | 93                  | 96 1/2  | 7 | 88  |
| 90         | E6-R-90SB        | 148 |  | E7-R-90SB        | 163 |  | 99                  | 102 1/2 | 7 | 94  |
| 96         | E6-R-96SB        | 156 |  | E7-R-96SB        | 172 |  | 105                 | 108 1/2 | 7 | 100 |
| 102        | E6-R-102SB       | 164 |  | E7-R-102SB       | 181 |  | 111                 | 114 1/2 | 7 | 106 |



| Belt Width | Standard Dimensions |         |        |
|------------|---------------------|---------|--------|
|            | A                   | C       | G      |
| 36         | 45                  | 48 3/8  | 19     |
| 42         | 51                  | 54 3/8  | 22     |
| 48         | 57                  | 60 3/8  | 25 1/8 |
| 54         | 63                  | 66 3/8  | 28 1/8 |
| 60         | 69                  | 72 3/8  | 31 1/8 |
| 66         | 75                  | 78 3/8  | 34 1/4 |
| 72         | 81                  | 84 3/8  | 37 1/4 |
| 78         | 87                  | 90 3/8  | 40 3/8 |
| 84         | 93                  | 96 3/8  | 43 3/8 |
| 90         | 99                  | 102 3/8 | 46 3/8 |
| 96         | 105                 | 108 3/8 | 49 1/2 |
| 102        | 111                 | 114 3/8 | 52 1/2 |

## V-RETURN 7" DROP

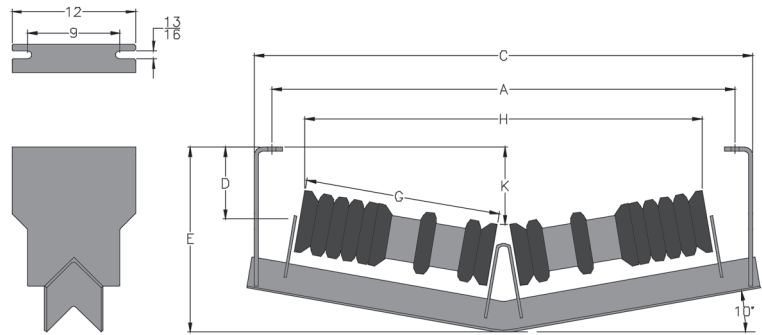
| Belt Width | 6" Roll Diameter |   |          |          |          |     | 7" Roll Diameter |   |          |          |          |     |
|------------|------------------|---|----------|----------|----------|-----|------------------|---|----------|----------|----------|-----|
|            | Part Number      | D | E        | H        | K        | WT  | Part Number      | D | E        | H        | K        | WT  |
| 36         | E6-10VR-36SB-7   | 7 | 17 15/16 | 38 5/8   | 7 1/2    | 127 | E7-10VR-36SB-7   | 7 | 17 15/16 | 38 7/16  | 7        | 136 |
| 42         | E6-10VR-42SB-7   | 7 | 18 1/2   | 44 9/16  | 8        | 138 | E7-10VR-42SB-7   | 7 | 18 1/2   | 44 3/8   | 7 9/16   | 148 |
| 48         | E6-10VR-48SB-7   | 7 | 19       | 50 11/16 | 8 9/16   | 149 | E7-10VR-48SB-7   | 7 | 19       | 50 1/2   | 8 1/16   | 160 |
| 54         | E6-10VR-54SB-7   | 7 | 19 1/2   | 56 5/8   | 9 1/16   | 160 | E7-10VR-54SB-7   | 7 | 19 1/2   | 56 7/16  | 8 9/16   | 172 |
| 60         | E6-10VR-60SB-7   | 7 | 20 1/16  | 62 1/2   | 9 5/8    | 171 | E7-10VR-60SB-7   | 7 | 20 1/16  | 62 5/16  | 9 1/8    | 184 |
| 66         | E6-10VR-66SB-7   | 7 | 20 9/16  | 68 11/16 | 10 1/8   | 182 | E7-10VR-66SB-7   | 7 | 20 9/16  | 68 1/2   | 9 5/8    | 197 |
| 72         | E6-10VR-72SB-7   | 7 | 21 1/8   | 74 9/16  | 10 11/16 | 193 | E7-10VR-72SB-7   | 7 | 21 1/8   | 74 3/8   | 10 3/16  | 208 |
| 78         | E6-10VR-78SB-7   | 7 | 21 5/8   | 80 3/4   | 11 3/16  | 204 | E7-10VR-78SB-7   | 7 | 21 5/8   | 80 9/16  | 10 11/16 | 220 |
| 84         | E6-10VR-84SB-7   | 7 | 22 15/16 | 86 5/8   | 11 3/4   | 245 | E7-10VR-84SB-7   | 7 | 22 15/16 | 86 7/16  | 11 1/4   | 263 |
| 90         | E6-10VR-90SB-7   | 7 | 23 7/16  | 92 9/16  | 12 1/4   | 258 | E7-10VR-90SB-7   | 7 | 23 7/16  | 92 3/8   | 11 3/4   | 277 |
| 96         | E6-10VR-96SB-7   | 7 | 24       | 98 11/16 | 12 13/16 | 271 | E7-10VR-96SB-7   | 7 | 24       | 98 1/2   | 12 5/16  | 291 |
| 102        | E6-10VR-102SB-7  | 7 | 24 1/2   | 104 5/8  | 13 5/16  | 284 | E7-10VR-102SB-7  | 7 | 24 1/2   | 104 7/16 | 12 15/16 | 305 |



### FLAT RETURN RUBBER DISC 7" DROP

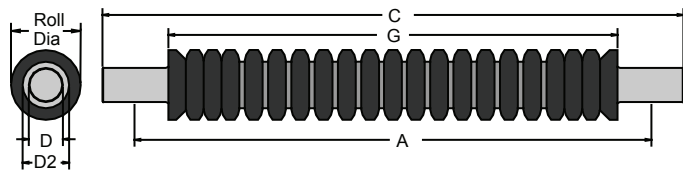
| Belt Width | 6" Roll Diameter |     | 7" Roll Diameter |     | Standard Dimensions |         |   |     |
|------------|------------------|-----|------------------|-----|---------------------|---------|---|-----|
|            | Part Number      | WT  | Part Number      | WT  | A                   | C       | E | G   |
| 36         | E6-RRD-36SB      | 96  | E7-RRD-36SB      | 98  | 45                  | 48 1/2  | 7 | 40  |
| 42         | E6-RRD-42SB      | 106 | E7-RRD-42SB      | 107 | 51                  | 54 1/2  | 7 | 46  |
| 48         | E6-RRD-48SB      | 116 | E7-RRD-48SB      | 118 | 57                  | 60 1/2  | 7 | 52  |
| 54         | E6-RRD-54SB      | 126 | E7-RRD-54SB      | 128 | 63                  | 66 1/2  | 7 | 58  |
| 60         | E6-RRD-60SB      | 136 | E7-RRD-60SB      | 138 | 69                  | 72 1/2  | 7 | 64  |
| 66         | E6-RRD-66SB      | 145 | E7-RRD-66SB      | 148 | 75                  | 78 1/2  | 7 | 70  |
| 72         | E6-RRD-72SB      | 156 | E7-RRD-72SB      | 159 | 81                  | 84 1/2  | 7 | 76  |
| 78         | E6-RRD-78SB      | 166 | E7-RRD-78SB      | 169 | 87                  | 90 1/2  | 7 | 82  |
| 84         | E6-RRD-84SB      | 176 | E7-RRD-84SB      | 178 | 93                  | 96 1/2  | 7 | 88  |
| 90         | E6-RRD-90SB      | 187 | E7-RRD-90SB      | 190 | 99                  | 102 1/2 | 7 | 94  |
| 96         | E6-RRD-96SB      | 196 | E7-RRD-96SB      | 199 | 105                 | 108 1/2 | 7 | 100 |
| 102        | E6-RRD-102SB     | 206 | E7-RRD-102SB     | 209 | 111                 | 114 1/2 | 7 | 106 |

| Belt Width | Standard Dimensions |         |        |
|------------|---------------------|---------|--------|
|            | A                   | C       | G      |
| 36         | 45                  | 48 3/8  | 19     |
| 42         | 51                  | 54 3/8  | 22     |
| 48         | 57                  | 60 3/8  | 25 1/8 |
| 54         | 63                  | 66 3/8  | 28 1/8 |
| 60         | 69                  | 72 3/8  | 31 1/8 |
| 66         | 75                  | 78 3/8  | 34 1/4 |
| 72         | 81                  | 84 3/8  | 37 1/4 |
| 78         | 87                  | 90 3/8  | 40 3/8 |
| 84         | 93                  | 96 3/8  | 43 3/8 |
| 90         | 99                  | 102 3/8 | 46 3/8 |
| 96         | 105                 | 108 3/8 | 49 1/2 |
| 102        | 111                 | 114 3/8 | 52 1/2 |



### V-RETURN RUBBER DISC 7" DROP

| Belt Width | 6" Roll Diameter |   |          |          |          |     | 7" Roll Diameter |   |          |          |          |     |
|------------|------------------|---|----------|----------|----------|-----|------------------|---|----------|----------|----------|-----|
|            | Part Number      | D | E        | H        | K        | WT  | Part Number      | D | E        | H        | K        | WT  |
| 36         | E6-10VRI-36SB-7  | 7 | 17 15/16 | 38 5/8   | 7 1/2    | 150 | E7-10VRI-36SB-7  | 7 | 17 15/16 | 38 7/16  | 7        | 152 |
| 42         | E6-10VRI-42SB-7  | 7 | 18 1/2   | 44 9/16  | 8        | 164 | E7-10VRI-42SB-7  | 7 | 18 1/2   | 44 3/8   | 7 9/16   | 166 |
| 48         | E6-10VRI-48SB-7  | 7 | 19       | 50 11/16 | 8 9/16   | 179 | E7-10VRI-48SB-7  | 7 | 19       | 50 1/2   | 8 1/16   | 182 |
| 54         | E6-10VRI-54SB-7  | 7 | 19 1/2   | 56 5/8   | 9 1/16   | 192 | E7-10VRI-54SB-7  | 7 | 19 1/2   | 56 7/16  | 8 9/16   | 194 |
| 60         | E6-10VRI-60SB-7  | 7 | 20 1/16  | 62 1/2   | 9 5/8    | 206 | E7-10VRI-60SB-7  | 7 | 20 1/16  | 62 5/16  | 9 1/8    | 209 |
| 66         | E6-10VRI-66SB-7  | 7 | 20 9/16  | 68 11/16 | 10 1/8   | 221 | E7-10VRI-66SB-7  | 7 | 20 9/16  | 68 1/2   | 9 5/8    | 224 |
| 72         | E6-10VRI-72SB-7  | 7 | 21 1/8   | 74 9/16  | 10 11/16 | 234 | E7-10VRI-72SB-7  | 7 | 21 1/8   | 74 3/8   | 10 3/16  | 236 |
| 78         | E6-10VRI-78SB-7  | 7 | 21 5/8   | 80 3/4   | 11 3/16  | 249 | E7-10VRI-78SB-7  | 7 | 21 5/8   | 80 9/16  | 10 11/16 | 251 |
| 84         | E6-10VRI-84SB-7  | 7 | 22 15/16 | 86 5/8   | 11 3/4   | 291 | E7-10VRI-84SB-7  | 7 | 22 15/16 | 86 7/16  | 11 1/4   | 294 |
| 90         | E6-10VRI-90SB-7  | 7 | 23 7/16  | 92 9/16  | 12 1/4   | 308 | E7-10VRI-90SB-7  | 7 | 23 7/16  | 92 3/8   | 11 3/4   | 311 |
| 96         | E6-10VRI-96SB-7  | 7 | 24       | 98 11/16 | 12 13/16 | 325 | E7-10VRI-96SB-7  | 7 | 24       | 98 1/2   | 12 5/16  | 328 |
| 102        | E6-10VRI-102SB-7 | 7 | 24 18/75 | 104 5/8  | 13 7/16  | 339 | E7-10VRI-102SB-7 | 7 | 24 18/75 | 104 7/16 | 12 15/16 | 342 |



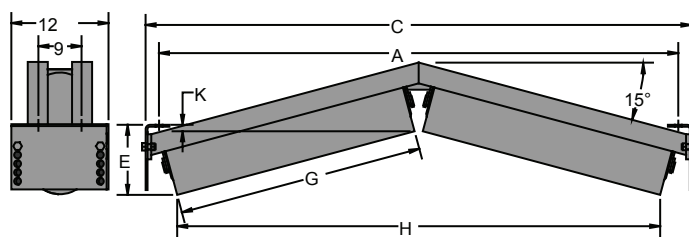
Live Shaft Idlers are available in several different configurations, with different bearing journal diameters or as a steel can.

Please contact PPI with your requirements.

#### LIVE SHAFT IMPACT FLAT CARRIER

| Belt Width | 6" Roll Diameter |     | 7" Roll Diameter |     | Standard Dimensions |     |        |    |         |
|------------|------------------|-----|------------------|-----|---------------------|-----|--------|----|---------|
|            | Part Number      | WT  | Part Number      | WT  | A                   | C   | D      | D2 | G       |
| 36         | E6-39LSI-36      | 205 | E7-39LSI-36      | 207 | 45                  | 50  | 2 7/16 | 4  | 38 5/8  |
| 42         | E6-39LSI-42      | 230 | E7-39LSI-42      | 232 | 51                  | 56  | 2 7/16 | 4  | 44 5/8  |
| 48         | E6-39LSI-48      | 255 | E7-39LSI-48      | 258 | 57                  | 62  | 2 7/16 | 4  | 50 5/8  |
| 54         | E6-39LSI-54      | 279 | E7-39LSI-54      | 282 | 63                  | 68  | 2 7/16 | 4  | 56 5/8  |
| 60         | E6-39LSI-60      | 305 | E7-39LSI-60      | 309 | 69                  | 74  | 2 7/16 | 4  | 62 5/8  |
| 66         | E6-39LSI-66      | 329 | E7-39LSI-66      | 333 | 75                  | 80  | 2 7/16 | 4  | 68 5/8  |
| 72         | E6-39LSI-72      | 354 | E7-39LSI-72      | 358 | 81                  | 86  | 2 7/16 | 4  | 74 5/8  |
| 78         | E6-39LSI-78      | 379 | E7-39LSI-78      | 384 | 87                  | 92  | 2 7/16 | 4  | 80 5/8  |
| 84         | E6-39LSI-84      | 404 | E7-39LSI-84      | 409 | 93                  | 98  | 2 7/16 | 4  | 86 5/8  |
| 90         | E6-39LSI-90      | 429 | E7-39LSI-90      | 434 | 99                  | 104 | 2 7/16 | 4  | 92 5/8  |
| 96         | E6-39LSI-96      | 454 | E7-39LSI-96      | 460 | 105                 | 110 | 2 7/16 | 4  | 98 5/8  |
| 102        | E6-39LSI-102     | 481 | E7-39LSI-102     | 487 | 111                 | 116 | 2 7/16 | 4  | 104 5/8 |

| Belt Width | Standard Dimensions |         |        |
|------------|---------------------|---------|--------|
|            | A                   | C       | G      |
| 36         | 45                  | 48 1/4  | 19 3/4 |
| 42         | 51                  | 54 1/4  | 21 3/4 |
| 48         | 57                  | 60 1/4  | 25 3/4 |
| 54         | 63                  | 66 1/4  | 28     |
| 60         | 69                  | 72 1/4  | 31 3/4 |
| 66         | 75                  | 78 1/4  | 34 3/4 |
| 72         | 81                  | 84 1/4  | 37 3/4 |
| 84         | 93                  | 96 1/4  | 43 3/4 |
| 96         | 105                 | 108 1/4 | 49 3/4 |
| 102        | 111                 | 114 1/4 | 52 3/4 |



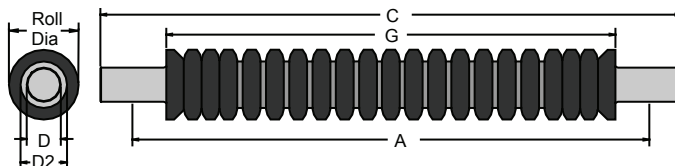
#### INVERTED V-RETURN

| Belt Width | 6" Roll Diameter |        |          |           |     | 7" Roll Diameter |         |          |           |     |
|------------|------------------|--------|----------|-----------|-----|------------------|---------|----------|-----------|-----|
|            | Part Number      | E      | H        | K         | WT  | Part Number      | E       | H        | K         | WT  |
| 36         | E6-15IVR-36SB-7  | 8 9/16 | 40 1/4   | 3 7/16    | 167 | E7-15IVR-36SB-7  | 9 1/16  | 40 1/4   | 2 15/16   | 176 |
| 42         | E6-15IVR-42SB-7  | 8 5/16 | 44 1/8   | 2 11/16   | 181 | E7-15IVR-42SB-7  | 8 13/16 | 44 1/8   | 2 3/16    | 190 |
| 48         | E6-15IVR-48SB-7  | 8 9/16 | 51 7/8   | 1 7/8     | 201 | E7-15IVR-48SB-7  | 9 1/16  | 51 7/8   | 1 3/8     | 210 |
| 54         | E6-15IVR-54SB-7  | 8 5/16 | 56 1/4   | 1 1/16    | 215 | E7-15IVR-54SB-7  | 8 13/16 | 56 1/4   | 9/16      | 225 |
| 60         | E6-15IVR-60SB-7  | 8 1/2  | 63 7/16  | 5/16      | 235 | E7-15IVR-60SB-7  | 9       | 63 7/16  | - 3/16    | 245 |
| 66         | E6-15IVR-66SB-7  | 8 9/16 | 70 5/8   | - 7/16    | 255 | E7-15IVR-66SB-7  | 9 1/16  | 70 5/8   | - 15/16   | 265 |
| 72         | E6-15IVR-72SB-7  | 8 9/16 | 77 13/16 | - 1 3/16  | 270 | E7-15IVR-72SB-7  | 9 1/16  | 77 13/16 | - 1 11/16 | 280 |
| 84         | E6-15IVR-84SB-7  | 8 9/16 | 92 3/16  | - 2 11/16 | 290 | E7-15IVR-84SB-7  | 9 1/16  | 92 3/16  | - 2 11/16 | 300 |
| 96         | E6-15IVR-96SB-7  | 8 9/16 | 106 9/16 | - 4 3/16  | 310 | E7-15IVR-96SB-7  | 9 1/16  | 106 9/16 | - 4 3/16  | 320 |
| 102        | E6-15IVR-102SB-7 | 8 9/16 | 113 3/4  | - 4 15/16 | 325 | E7-15IVR-102SB-7 | 9 1/16  | 113 3/4  | - 4 15/16 | 335 |

\*Dimensions are for top position. There are four additional positions available.

Live Shaft Idlers are available in several different configurations, with different bearing journal diameters or as a steel can.

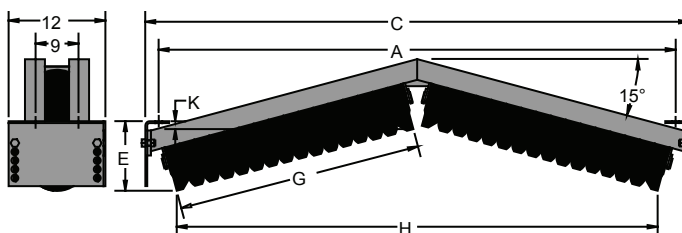
Please contact PPI with your requirements.



#### LIVE SHAFT IMPACT FLAT CARRIER

| Belt Width | 6" Roll Diameter |     | 7" Roll Diameter |     | Standard Dimensions |     |         |    |         |
|------------|------------------|-----|------------------|-----|---------------------|-----|---------|----|---------|
|            | Part Number      | WT  | Part Number      | WT  | A                   | C   | D       | D2 | G       |
| 36         | E6-47LSI-36      | 211 | E7-47LSI-36      | 213 | 45                  | 50  | 2 15/16 | 4  | 38 5/8  |
| 42         | E6-47LSI-42      | 236 | E7-47LSI-42      | 238 | 51                  | 56  | 2 15/16 | 4  | 44 5/8  |
| 48         | E6-47LSI-48      | 261 | E7-47LSI-48      | 264 | 57                  | 62  | 2 15/16 | 4  | 50 5/8  |
| 54         | E6-47LSI-54      | 285 | E7-47LSI-54      | 288 | 63                  | 68  | 2 15/16 | 4  | 56 5/8  |
| 60         | E6-47LSI-60      | 311 | E7-47LSI-60      | 315 | 69                  | 74  | 2 15/16 | 4  | 62 5/8  |
| 66         | E6-47LSI-66      | 335 | E7-47LSI-66      | 339 | 75                  | 80  | 2 15/16 | 4  | 68 5/8  |
| 72         | E6-47LSI-72      | 360 | E7-47LSI-72      | 364 | 81                  | 86  | 2 15/16 | 4  | 74 5/8  |
| 78         | E6-47LSI-78      | 385 | E7-47LSI-78      | 390 | 87                  | 92  | 2 15/16 | 4  | 80 5/8  |
| 84         | E6-47LSI-84      | 410 | E7-47LSI-84      | 415 | 93                  | 98  | 2 15/16 | 4  | 86 5/8  |
| 90         | E6-47LSI-90      | 435 | E7-47LSI-90      | 440 | 99                  | 104 | 2 15/16 | 4  | 92 5/8  |
| 96         | E6-47LSI-96      | 460 | E7-47LSI-96      | 466 | 105                 | 110 | 2 15/16 | 4  | 98 5/8  |
| 102        | E6-47LSI-102     | 487 | E7-47LSI-102     | 493 | 111                 | 116 | 2 15/16 | 4  | 104 5/8 |

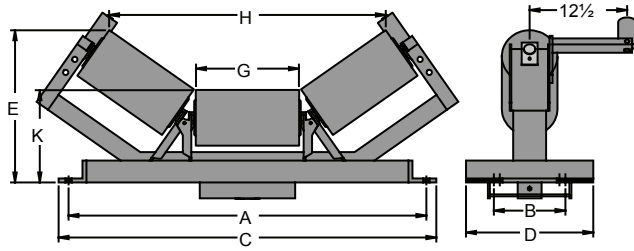
| Belt Width | Standard Dimensions |         |        |
|------------|---------------------|---------|--------|
|            | A                   | C       | G      |
| 36         | 45                  | 47      | 19 3/4 |
| 42         | 51                  | 53      | 21 3/4 |
| 48         | 57                  | 59      | 25 3/4 |
| 54         | 63                  | 65      | 28     |
| 60         | 69                  | 71      | 31 3/4 |
| 66         | 75                  | 78 1/4  | 34 3/4 |
| 72         | 81                  | 84 1/4  | 37 3/4 |
| 84         | 93                  | 108 1/4 | 43 3/4 |
| 96         | 105                 | 108 3/8 | 49 3/4 |
| 102        | 111                 | 114 3/8 | 52 3/4 |



#### INVERTED V-RETURN RUBBER DISC

| Belt Width | 6" Roll Diameter |        |          |          |     | 7" Roll Diameter |         |          |          |     |
|------------|------------------|--------|----------|----------|-----|------------------|---------|----------|----------|-----|
|            | Part Number      | E      | H        | K        | WT  | Part Number      | E       | H        | K        | WT  |
| 36         | E615IVRI36SB-7   | 8 9/16 | 40 1/4   | 3 7/16   | 180 | E715IVRI36SB-7   | 9 1/16  | 40 1/4   | 2 15/16  | 190 |
| 42         | E615IVRI42SB-7   | 8 5/16 | 44 1/8   | 2 11/16  | 194 | E715IVRI42SB-7   | 8 13/16 | 44 1/8   | 2 3/16   | 204 |
| 48         | E615IVRI48SB-7   | 8 9/16 | 51 7/8   | 1 7/8    | 221 | E715IVRI48SB-7   | 9 1/16  | 51 7/8   | 1 3/8    | 231 |
| 54         | E615IVRI54SB-7   | 8 5/16 | 56 1/4   | 1 1/16   | 238 | E715IVRI54SB-7   | 8 13/16 | 56 1/4   | 9/16     | 248 |
| 60         | E615IVRI60SB-7   | 8 1/2  | 63 7/16  | 5/16     | 261 | E715IVRI60SB-7   | 9       | 63 7/16  | - 3/16   | 271 |
| 66         | E615IVRI66SB-7   | 8 9/16 | 70 5/8   | - 7/16   | 284 | E715IVRI66SB-7   | 9 1/16  | 70 5/8   | - 15/16  | 294 |
| 72         | E615IVRI72SB-7   | 8 9/16 | 77 13/16 | -1 3/16  | 302 | E715IVRI72SB-7   | 9 1/16  | 77 13/16 | -1 11/16 | 312 |
| 84         | E615IVRI84SB-7   | 8 9/16 | 92 3/16  | -2 11/16 | 328 | E715IVRI84SB-7   | 9 1/16  | 92 3/16  | -3 3/16  | 338 |
| 96         | E615IVRI96SB-7   | 8 9/16 | 106 9/16 | -4 3/16  | 354 | E715IVRI96SB-7   | 9 1/16  | 106 9/16 | -4 11/16 | 364 |
| 102        | E615IVRI102SB-7  | 8 9/16 | 113 3/4  | -4 15/16 | 373 | E715IVRI102SB-7  | 9 1/16  | 113 3/4  | -5 7/16  | 383 |

\*Dimensions are for top position. There are four additional positions available.



| Belt Width | Standard Dimensions |         |        | Wide Base |         |
|------------|---------------------|---------|--------|-----------|---------|
|            | A                   | C       | G      | Aw        | Cw      |
| 36         | 45                  | 47 1/2  | 13     | 51        | 53 1/2  |
| 42         | 51                  | 53 1/2  | 15     | 57        | 59 1/2  |
| 48         | 57                  | 59 1/2  | 17 3/4 | 63        | 65 1/2  |
| 54         | 63                  | 65 1/2  | 19 3/4 | 69        | 71 1/2  |
| 60         | 69                  | 71 1/2  | 21 3/4 | 75        | 77 1/2  |
| 66         | 75                  | 77 1/2  | 23 3/4 | 81        | 83 1/2  |
| 72         | 81                  | 83 1/2  | 25 3/4 | 87        | 89 1/2  |
| 78         | 87                  | 89 1/2  | 27 3/4 | 93        | 95 1/2  |
| 84         | 93                  | 95 1/2  | 29 3/4 | 99        | 101 1/2 |
| 90         | 99                  | 101 1/2 | 31 3/4 | 102       | 107 1/2 |
| 96         | 105                 | 107 1/2 | 33 3/4 | 111       | 113 1/2 |

### 20° TROUGHER EQUAL SELF-ALIGNER

| Belt Width | 6" Roll Diameter |          |          |        |     | 7" Roll Diameter |          |          |        |     |
|------------|------------------|----------|----------|--------|-----|------------------|----------|----------|--------|-----|
|            | Part Number      | E        | H        | K      | WT  | Part Number      | E        | H        | K      | WT  |
| 36         | E6-20TESA-36SB   | 15 3/4   | 39 3/4   | 10 7/8 | 200 | E7-20TESA-36SB   | 16 1/4   | 39 3/8   | 11 3/8 | 209 |
| 42         | E6-20TESA-42SB   | 16 7/16  | 45 1/2   | 10 7/8 | 215 | E7-20TESA-42SB   | 16 15/16 | 45 1/8   | 11 3/8 | 225 |
| 48         | E6-20TESA-48SB   | 17.4375  | 53 7/16  | 10 7/8 | 254 | E7-20TESA-48SB   | 17 15/16 | 53 1/16  | 11 3/8 | 265 |
| 54         | E6-20TESA-54SB   | 18 1/16  | 59 3/16  | 10 7/8 | 278 | E7-20TESA-54SB   | 18 9/16  | 58 7/8   | 11 3/8 | 290 |
| 60         | E6-20TESA-60SB   | 18 3/4   | 64 15/16 | 10 7/8 | 303 | E7-20TESA-60SB   | 19 1/4   | 64 9/16  | 11 3/8 | 315 |
| 66         | E6-20TESA-66SB   | 20 9/16  | 70 11/16 | 11 5/8 | 336 | E7-20TESA-66SB   | 21 1/16  | 70 5/16  | 12 1/8 | 349 |
| 72         | E6-20TESA-72SB   | 21 1/4   | 76 7/16  | 11 5/8 | 387 | E7-20TESA-72SB   | 21 3/4   | 76 1/8   | 12 1/8 | 402 |
| 78         | E6-20TESA-78SB   | 21 7/16  | 82 3/16  | 11 5/8 | 408 | E7-20TESA-78SB   | 21 15/16 | 81 15/16 | 12 1/8 | 423 |
| 84         | E6-20TESA-84SB   | 22 5/8   | 87 15/16 | 11 3/4 | 429 | E7-20TESA-84SB   | 23 1/8   | 87 9/16  | 12 1/4 | 445 |
| 90         | E6-20TESA-90SB   | 23 5/16  | 93 3/4   | 11 3/4 | 450 | E7-20TESA-90SB   | 23 13/16 | 93 3/8   | 12 1/4 | 467 |
| 96         | E6-20TESA-96SB   | 23 15/16 | 99 1/2   | 11 3/4 | 471 | E7-20TESA-96SB   | 24 7/16  | 99 1/8   | 12 1/4 | 489 |

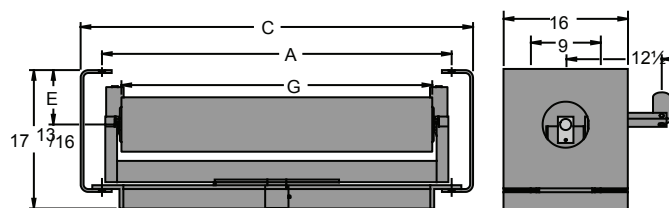
### 35° TROUGHER EQUAL SELF-ALIGNER

| Belt Width | 6" Roll Diameter |         |         |        |     | 7" Roll Diameter |         |          |        |     |
|------------|------------------|---------|---------|--------|-----|------------------|---------|----------|--------|-----|
|            | Part Number      | E       | H       | K      | WT  | Part Number      | E       | H        | K      | WT  |
| 36         | E6-35TESA-36SB   | 18 3/4  | 35 3/8  | 10 7/8 | 204 | E7-35TESA-36SB   | 19 3/16 | 34 3/4   | 11 3/8 | 212 |
| 42         | E6-35TESA-42SB   | 19 7/8  | 40 5/8  | 10 7/8 | 219 | E7-35TESA-42SB   | 20 5/16 | 40 1/16  | 11 3/8 | 228 |
| 48         | E6-35TESA-48SB   | 21 7/16 | 47 7/8  | 10 7/8 | 258 | E7-35TESA-48SB   | 21 7/8  | 47 5/16  | 11 3/8 | 269 |
| 54         | E6-35TESA-54SB   | 22 9/16 | 53 3/16 | 10 7/8 | 282 | E7-35TESA-54SB   | 23      | 52 5/8   | 11 3/8 | 293 |
| 60         | E6-35TESA-60SB   | 23 3/4  | 58 7/16 | 10 7/8 | 306 | E7-35TESA-60SB   | 24 3/16 | 57 7/8   | 11 3/8 | 318 |
| 66         | E6-35TESA-66SB   | 26 1/16 | 63 3/4  | 11 5/8 | 341 | E7-35TESA-66SB   | 26 1/2  | 63 1/8   | 12 1/8 | 354 |
| 72         | E6-35TESA-72SB   | 27 3/16 | 69      | 11 5/8 | 392 | E7-35TESA-72SB   | 27 5/8  | 68 7/16  | 12 1/8 | 406 |
| 78         | E6-35TESA-78SB   | 27 7/8  | 74 1/4  | 11 5/8 | 413 | E7-35TESA-78SB   | 28.3125 | 73 11/16 | 12 1/8 | 428 |
| 84         | E6-35TESA-84SB   | 29 7/16 | 79 9/16 | 11 3/4 | 434 | E7-35TESA-84SB   | 29 7/8  | 78 15/16 | 12 1/4 | 450 |
| 90         | E6-35TESA-90SB   | 30 5/8  | 84 7/8  | 11 3/4 | 455 | E7-35TESA-90SB   | 31 1/16 | 84 1/4   | 12 1/4 | 472 |
| 96         | E6-35TESA-96SB   | 31 3/4  | 90 1/8  | 11 3/4 | 476 | E7-35TESA-96SB   | 32 3/16 | 89 1/2   | 12 1/4 | 493 |

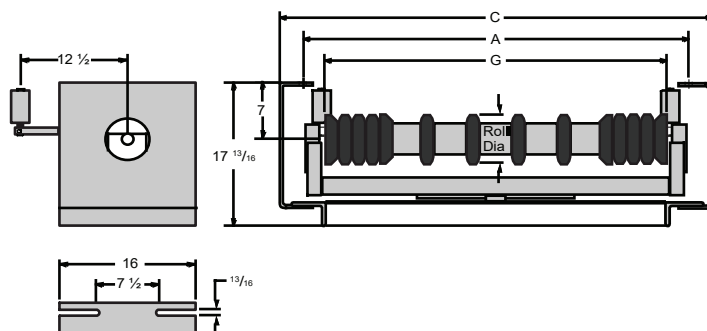
### 45° TROUGHER EQUAL SELF-ALIGNER

| Belt Width | 6" Roll Diameter |          |          |        |     | 7" Roll Diameter |          |          |        |     |
|------------|------------------|----------|----------|--------|-----|------------------|----------|----------|--------|-----|
|            | Part Number      | E        | H        | K      | WT  | Part Number      | E        | H        | K      | WT  |
| 36         | E6-45TESA-36SB   | 20 1/2   | 32 9/16  | 10 7/8 | 208 | E7-45TESA-36SB   | 20 7/8   | 31 7/8   | 11 3/8 | 216 |
| 42         | E6-45TESA-42SB   | 21 15/16 | 37 3/8   | 10 7/8 | 223 | E7-45TESA-42SB   | 22 5/16  | 36 11/16 | 11 3/8 | 232 |
| 48         | E6-45TESA-48SB   | 23 1/2   | 44 1/16  | 10 7/8 | 262 | E7-45TESA-48SB   | 23 7/8   | 43 5/16  | 11 3/8 | 272 |
| 54         | E6-45TESA-54SB   | 25 5/16  | 48 7/8   | 10 7/8 | 279 | E7-45TESA-54SB   | 25 11/16 | 48 1/8   | 11 3/8 | 291 |
| 60         | E6-45TESA-60SB   | 26 11/16 | 53 11/16 | 10 7/8 | 301 | E7-45TESA-60SB   | 27 1/16  | 52 15/16 | 11 3/8 | 313 |
| 66         | E6-45TESA-66SB   | 29 1/4   | 58 9/16  | 11 5/8 | 339 | E7-45TESA-66SB   | 29 5/8   | 57 13/16 | 12 1/8 | 352 |
| 72         | E6-45TESA-72SB   | 30 5/8   | 63 3/8   | 11 5/8 | 397 | E7-45TESA-72SB   | 31       | 62 5/8   | 12 1/8 | 411 |
| 78         | E6-45TESA-78SB   | 31 5/8   | 68 3/16  | 11 5/8 | 418 | E7-45TESA-78SB   | 32       | 67 1/2   | 12 1/8 | 433 |
| 84         | E6-45TESA-84SB   | 33 7/16  | 73       | 11 3/4 | 439 | E7-45TESA-84SB   | 33 13/16 | 72 5/16  | 12 1/4 | 454 |
| 90         | E6-45TESA-90SB   | 34 13/16 | 77 13/16 | 11 3/4 | 459 | E7-45TESA-90SB   | 35 1/4   | 77 1/8   | 12 1/4 | 476 |
| 96         | E6-45TESA-96SB   | 36 11/83 | 82 5/8   | 11 3/4 | 480 | E7-45TESA-96SB   | 36 11/16 | 81 15/16 | 12 1/4 | 498 |

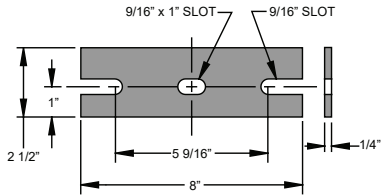
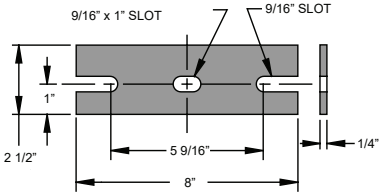
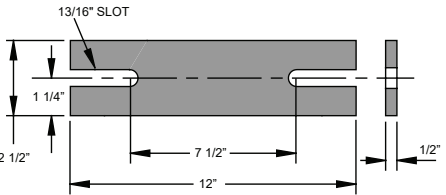
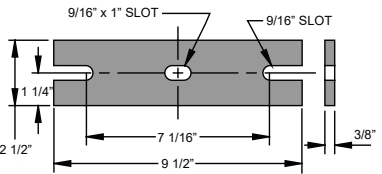
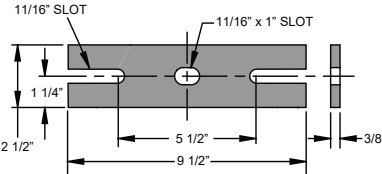
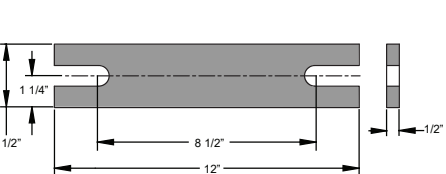
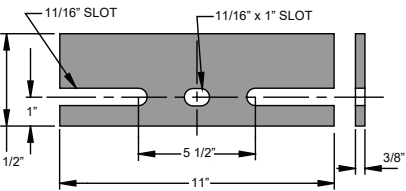
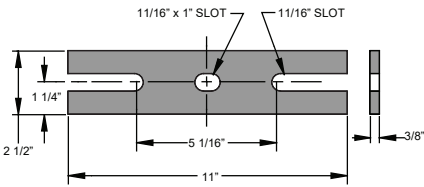
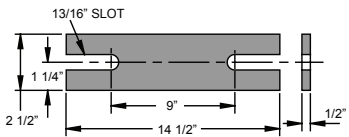
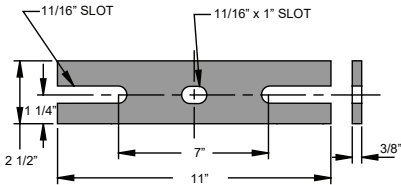
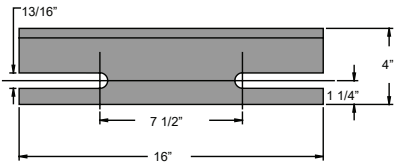
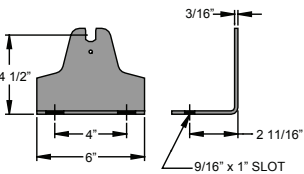
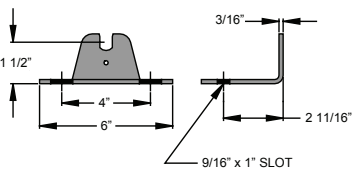
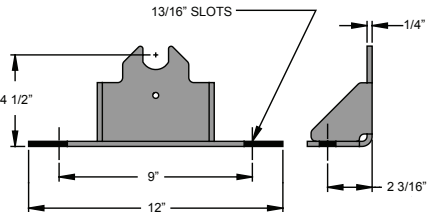


**RETURN SELF-ALIGNER 7" DROP**

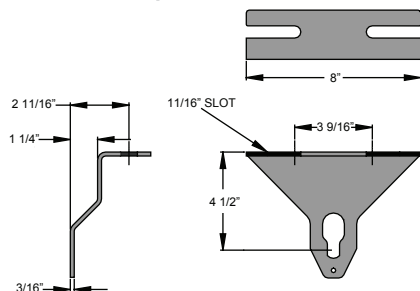
| Belt Width | 6" Roll Diameter |     | 7" Roll Diameter |     | Standard Dimensions |         |     | Wide Base |         |
|------------|------------------|-----|------------------|-----|---------------------|---------|-----|-----------|---------|
|            | Part Number      | WT  | Part Number      | WT  | A                   | C       | G   | Aw        | Cw      |
| 36         | E6-RSA-36SB      | 358 | E7-RSA-36SB      | 365 | 45                  | 50 1/2  | 40  | 51        | 56 1/2  |
| 42         | E6-RSA-42SB      | 378 | E7-RSA-42SB      | 386 | 51                  | 56 1/2  | 46  | 57        | 62 1/2  |
| 48         | E6-RSA-48SB      | 396 | E7-RSA-48SB      | 404 | 57                  | 62 1/2  | 52  | 63        | 68 1/2  |
| 54         | E6-RSA-54SB      | 412 | E7-RSA-54SB      | 422 | 63                  | 68 1/2  | 58  | 69        | 74 1/2  |
| 60         | E6-RSA-60SB      | 433 | E7-RSA-60SB      | 443 | 69                  | 74 1/2  | 64  | 75        | 80 1/2  |
| 66         | E6-RSA-66SB      | 449 | E7-RSA-66SB      | 461 | 75                  | 80 1/2  | 70  | 81        | 86 1/2  |
| 72         | E6-RSA-72SB      | 466 | E7-RSA-72SB      | 478 | 81                  | 86 1/2  | 76  | 87        | 92 1/2  |
| 78         | E6-RSA-78SB      | 482 | E7-RSA-78SB      | 495 | 87                  | 92 1/2  | 82  | 93        | 98 1/2  |
| 84         | E6-RSA-84SB      | 503 | E7-RSA-84SB      | 517 | 93                  | 98 1/2  | 88  | 99        | 104 1/2 |
| 90         | E6-RSA-90SB      | 520 | E7-RSA-90SB      | 534 | 99                  | 104 1/2 | 94  | 105       | 110 1/2 |
| 96         | E6-RSA-96SB      | 536 | E7-RSA-96SB      | 552 | 105                 | 110 1/2 | 100 | 111       | 116 1/2 |

**RETURN RUBBER DISC SELF-ALIGNER 7" DROP**

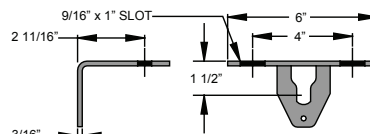
| Belt Width | 6" Roll Diameter |     | 7" Roll Diameter |     | Standard Dimensions |         |     | Wide Base |         |
|------------|------------------|-----|------------------|-----|---------------------|---------|-----|-----------|---------|
|            | Part Number      | WT  | Part Number      | WT  | A                   | C       | G   | Aw        | Cw      |
| 36         | E6-RRDSA-36SB    | 376 | E7-RRDSA-36SB    | 378 | 45                  | 50 1/2  | 40  | 51        | 56 1/2  |
| 42         | E6-RRDSA-42SB    | 398 | E7-RRDSA-42SB    | 400 | 51                  | 56 1/2  | 46  | 57        | 62 1/2  |
| 48         | E6-RRDSA-48SB    | 419 | E7-RRDSA-48SB    | 421 | 57                  | 62 1/2  | 52  | 63        | 68 1/2  |
| 54         | E6-RRDSA-54SB    | 437 | E7-RRDSA-54SB    | 439 | 63                  | 68 1/2  | 58  | 69        | 74 1/2  |
| 60         | E6-RRDSA-60SB    | 460 | E7-RRDSA-60SB    | 462 | 69                  | 74 1/2  | 64  | 75        | 80 1/2  |
| 66         | E6-RRDSA-66SB    | 478 | E7-RRDSA-66SB    | 480 | 75                  | 80 1/2  | 70  | 81        | 86 1/2  |
| 72         | E6-RRDSA-72SB    | 497 | E7-RRDSA-72SB    | 500 | 81                  | 86 1/2  | 76  | 87        | 92 1/2  |
| 78         | E6-RRDSA-78SB    | 515 | E7-RRDSA-78SB    | 518 | 87                  | 92 1/2  | 82  | 93        | 98 1/2  |
| 84         | E6-RRDSA-84SB    | 538 | E7-RRDSA-84SB    | 541 | 93                  | 98 1/2  | 88  | 99        | 104 1/2 |
| 90         | E6-RRDSA-90SB    | 557 | E7-RRDSA-90SB    | 560 | 99                  | 104 1/2 | 94  | 105       | 110 1/2 |
| 96         | E6-RRDSA-96SB    | 575 | E7-RRDSA-96SB    | 579 | 105                 | 110 1/2 | 100 | 111       | 116 1/2 |

| CEMA B Details                                                                                                                                                                                             | CEMA C/D Details                                                                                                                                                                                      | CEMA E Details                                                                                                                                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Trougher 14-36 belts</b>                                                                                               | <b>Trougher 18-24 belts</b>                                                                                          | <b>Trougher 36-60 belts</b>                                                                                                       |
| <b>Trougher 42-48 belts</b>                                                                                               | <b>Trougher 30-48 belts</b>                                                                                          | <b>E 66\" to 78\" belts</b>                                          |
| <b>B,C,D TESA, FSA</b>                                                                                                  | <b>C 54\" and 60\" belts</b>                       | <b>Trougher E 84-96 belts</b>                                                                                                   |
|                                                                                                                                                                                                            | <b>Trougher D 54 &amp; wider belts</b>                                                                             | <b>E Self-Aligner</b>                                                                                                           |
| <b>B,C,D 4 1/2\" Endstand (standard) - #01990</b>  | <b>B,C,D 1 1/2\" Endstand (optional) - #15001</b>  | <b>4 1/2\" E - Endstand (standard) - #42330</b>  |

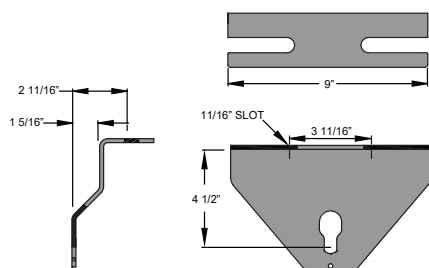
**B,C - 4½" Drop Bracket (standard) - #14200**



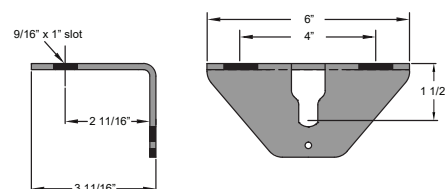
**B,C - 1½" Drop Bracket (optional) - #02200**



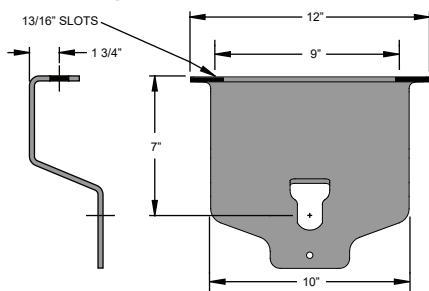
**D - 4½" Drop Bracket (standard) - #14206**



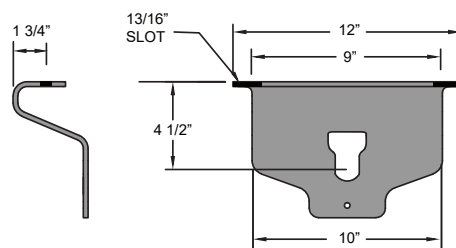
**D - 1½" Drop Bracket (optional) - #02201**



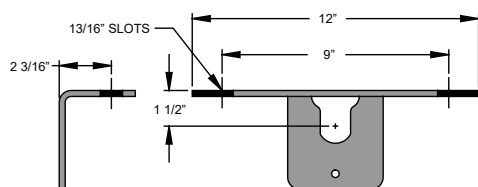
**7" E - Drop Bracket (standard) - #41210**



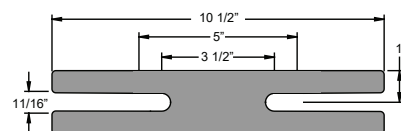
**4½" E Drop Bracket (optional) - #41213**



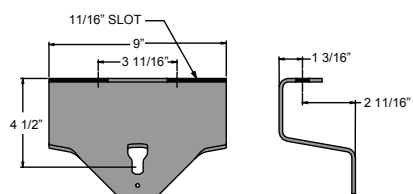
**1½" E - Drop Bracket (optional) - #41211**



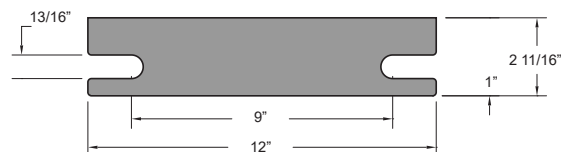
**C,D V-Return Foot Pad**



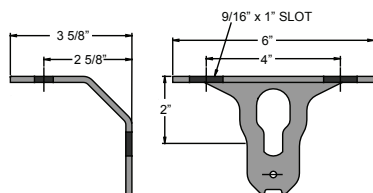
**B, C, D 4½" Belt Saver II Drop Bracket (optional) - #14207**



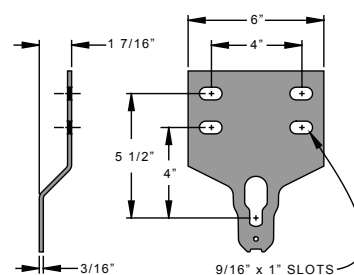
**E V-Return Foot Pad**



### 2" CIT Drop Bracket (standard) - #24390

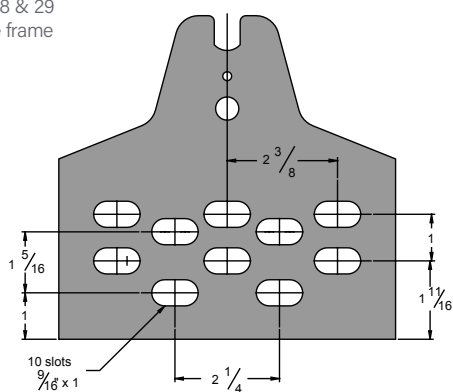


### 4" CIT Web Drop Bracket (optional) - #30640

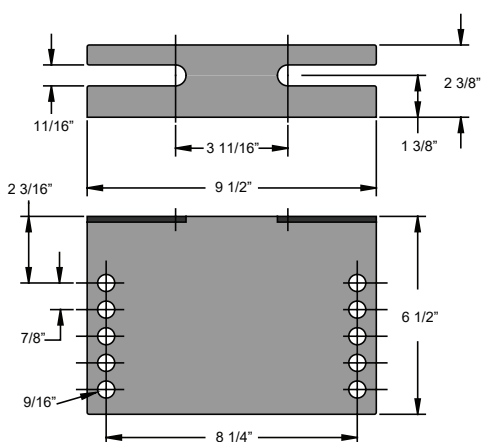


### CEMA C - CIT End Bracket (detail end view)

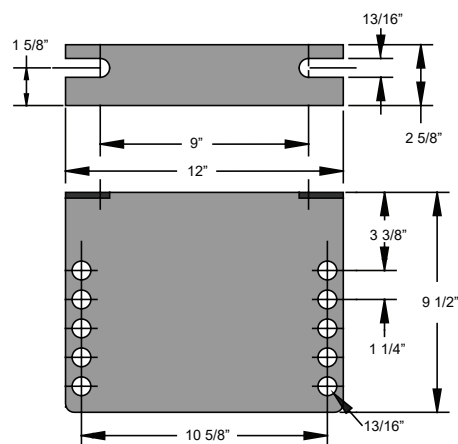
See pages 28 & 29  
for complete frame  
dimensions



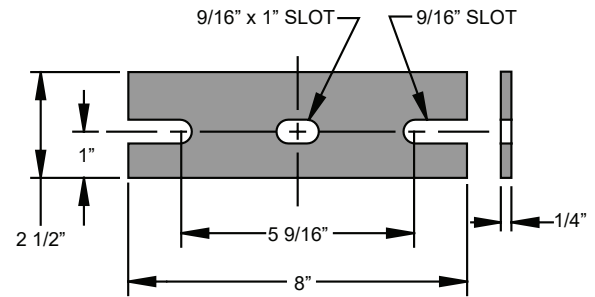
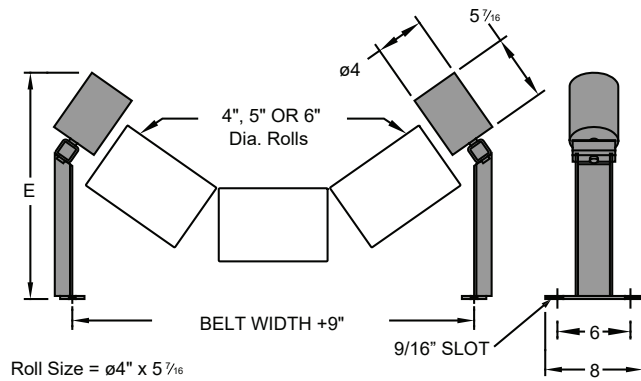
### 4 1/2" C/D - IVR Drop Bracket



### 7" E - IVR Drop Bracket





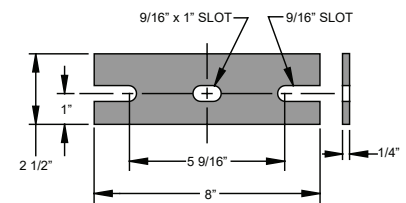
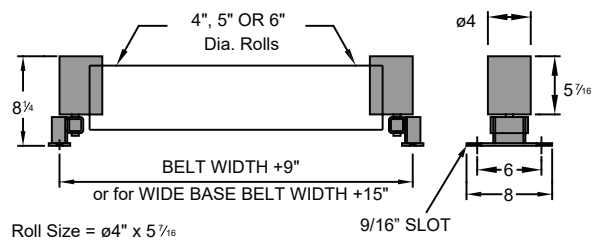


## GRT - GUIDE ROLLER TROUGHED BELT WITH MOUNTING BRACKET

| Belt Width | 20° Trough  |             |            |    | 35° Trough  |             |            |    | 45° Trough  |             |            |    |
|------------|-------------|-------------|------------|----|-------------|-------------|------------|----|-------------|-------------|------------|----|
|            | Description | Part Number | Height "E" | WT | Description | Part Number | Height "E" | WT | Description | Part Number | Height "E" | WT |
| 14         | GRT-20-14   | 13911       | 11 13/16   | 7  | GRT-35-14   | 14161       | 13 13/16   | 7  | GRT-45-14   | 23390       | 14 13/16   | 8  |
| 16         | GRT-20-16   | 13912       | 11 13/16   | 7  | GRT-35-16   | 14162       | 13 13/16   | 7  | GRT-45-16   | 23391       | 14 13/16   | 8  |
| 18         | GRT-20-18   | 13900       | 13 11/16   | 7  | GRT-35-18   | 14110       | 16 1/8     | 8  | GRT-45-18   | 23392       | 17 1/8     | 9  |
| 20         | GRT-20-20   | 13960       | 14         | 7  | GRT-35-20   | 14170       | 16 5/8     | 8  | GRT-45-20   | 23393       | 17 5/16    | 9  |
| 24         | GRT-20-24   | 13910       | 14 7/16    | 7  | GRT-35-24   | 14120       | 17 3/8     | 9  | GRT-45-24   | 23394       | 18 11/16   | 10 |
| 30         | GRT-20-30   | 13920       | 15 3/16    | 8  | GRT-35-30   | 14130       | 18 5/8     | 9  | GRT-45-30   | 23395       | 20 3/16    | 10 |
| 36         | GRT-20-36   | 13930       | 15 15/16   | 8  | GRT-35-36   | 14140       | 19 3/16    | 9  | GRT-45-36   | 23396       | 22 1/16    | 14 |
| 42         | GRT-20-42   | 13940       | 17 1/16    | 8  | GRT-35-42   | 14150       | 21 1/2     | 10 | GRT-45-42   | 24570       | 24 5/8     | 15 |
| 48         | GRT-20-48   | 13950       | 17 13/16   | 9  | GRT-35-48   | 14160       | 22 3/4     | 10 | GRT-45-48   | 23397       | 25 1/16    | 16 |
| 54         | GRT-20-54   | 28040       | 18 1/2     | 9  | GRT-35-54   | 14163       | 23 15/16   | 14 | GRT-45-54   | 23398       | 26 11/16   | 17 |
| 60         | GRT-20-60   | 13913       | 19 1/8     | 9  | GRT-35-60   | 14164       | 25 1/8     | 15 | GRT-45-60   | 22740       | 28 1/8     | 18 |
| 72         | GRT-20-72   | 13914       | 20 11/16   | 10 | GRT-35-72   | 14165       | 27 9/16    | 17 | GRT-45-72   | 23399       | 31 1/8     | 20 |

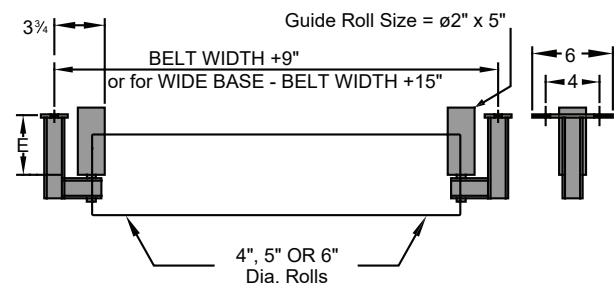
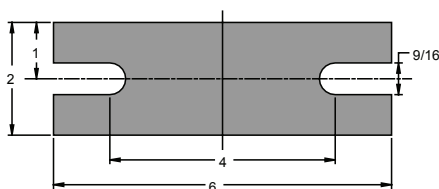
## GRF - GUIDE ROLLER FLAT BELT WITH MOUNTING BRACKET

| Part Number | WT |
|-------------|----|
| GRF         | 6  |



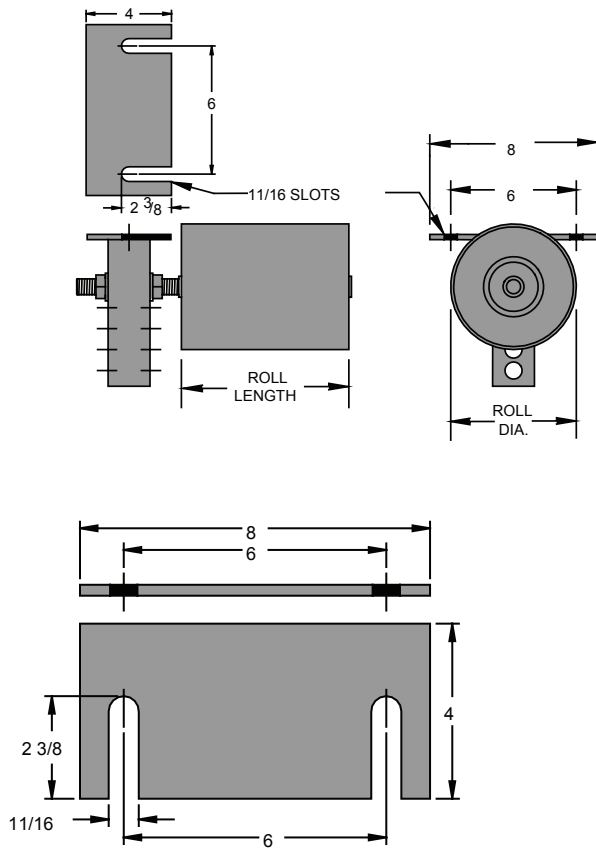
## GRR - GUIDE ROLLER RETURN WITH MOUNTING BRACKET

| Part Number | Drop "E" | WT |
|-------------|----------|----|
| GRR         | 4 1/2    | 6  |
| GRR-1       | 11/2     | 5  |

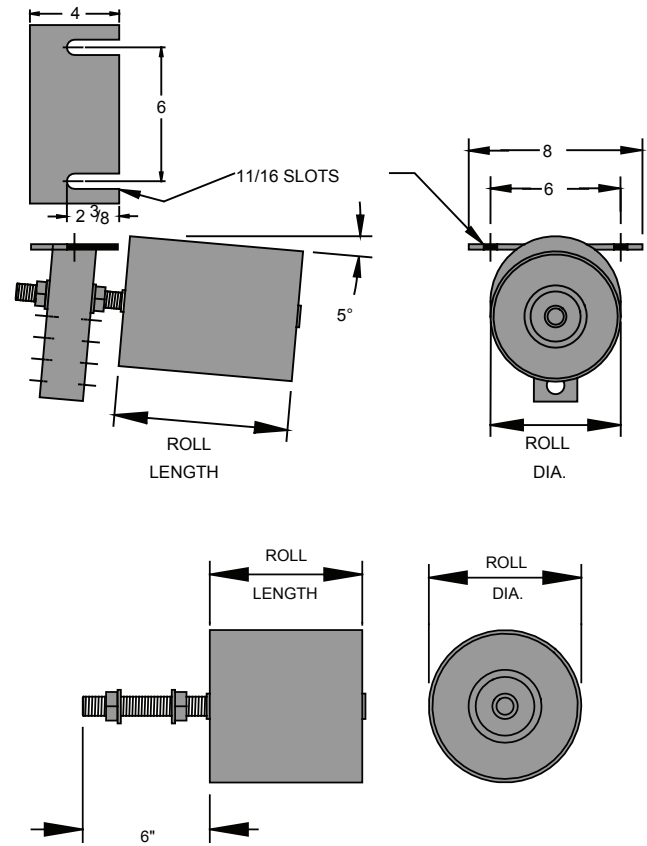


Guide rollers above are sold individually, not by the pair. Guide rollers to be set clear of the belt edges so as to restrain the belt only when it strays. Guide rollers are not intended for use as belt training devices. Constant roller contact with the belt could result in belt and roller damage.

0° STUB IDLER ASSEMBLY

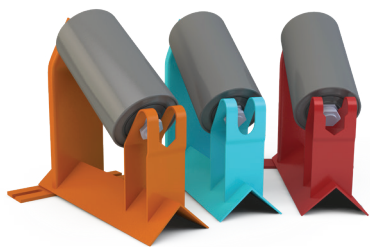


5° STUB IDLER ASSEMBLY

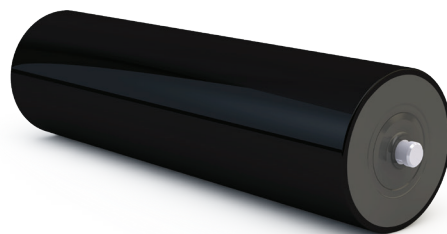


| STUB IDLER PART NUMBERS |             |                |        |             |             | "SPECIAL" STUB IDLER PARTS   |             |                |        |
|-------------------------|-------------|----------------|--------|-------------|-------------|------------------------------|-------------|----------------|--------|
| Diameter                | Roll Length | Shaft Diameter | Roll # | 0° Assembly | 5° Assembly | Diameter                     | Roll Length | Shaft Diameter | Roll # |
| 4"                      | 4 1/2"      | 3/4"           | 34570  | 34850       | 34860       | Roll with 5" shaft extension |             |                |        |
|                         | 5"          |                | 34571  | 34851       | 34861       | 5"                           | 5"          | 3/4"           | 29330  |
| 5"                      | 4 1/2"      | 3/4"           | 34580  | 34852       | 34862       | Rolls with 1" diameter shaft |             |                |        |
|                         | 5"          |                | 34581  | 34853       | 34863       | 5"                           | 5"          | 1"             | 40891  |
|                         | 6"          |                | 34582  | 34854       | 34864       |                              | 6"          |                | 40892  |
|                         | 7"          |                | 33796  | 34855       | 34865       |                              | 7"          |                | 40893  |
|                         | 8"          |                | 32970  | 34856       | 34866       |                              | 8"          |                | 40894  |
| 6"                      | 6"          | 3/4"           | 34592  | 34857       | 34867       | 6"                           | 6"          | 1"             | 40900  |
|                         | 7"          |                | 34593  | 34858       | 34868       |                              | 7"          |                | 40901  |
|                         | 8"          |                | 34594  | 34859       | 34869       |                              | 8"          |                | 40902  |
| Mounting Bracket only   |             |                |        | 34600       | 34610       |                              | 11"         |                | 40903  |

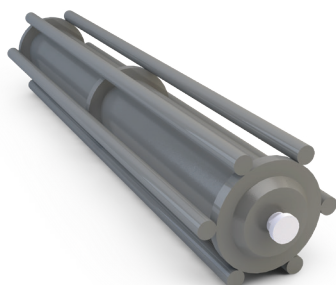
Note: Mounting Brackets for 3/4" diameter shafts have 5 positions on 1" centers. Roll # includes roll, shaft & nuts.



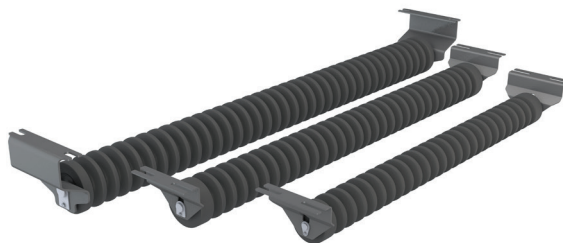
**RETRO ROLLS®** Fit different brands of CEMA B, C, D & E as well as ISO idlers.



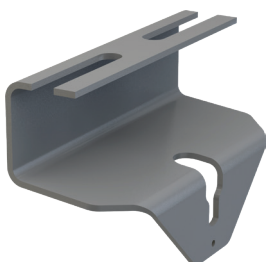
**ROLL COVERINGS** are available in Poly, SBR, Neoprene to extend the life of a PPI roll.



**BEATER BAR RETURN**  
PPI problem solver reduces material buildup.



**RETURN RUBBER GROOVED**  
Rugged 1-piece construction for abusive situations.



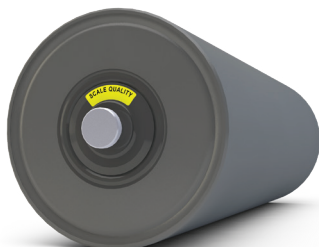
**BELTSAYER™ II**  
Protect your belt from rubbing, uses standard rolls.

**SMART ROLL™**  
Belt speed indicator with sensor protection, overload protection, multifunction, maintenance-free.



### SCALE QUALITY ROLLS

PPI produces scale quality rolls with TIR of .015" or less.



**RETURN ROLL GUARD**  
Available in 1½ & 4½ drop, as well as heavy duty.





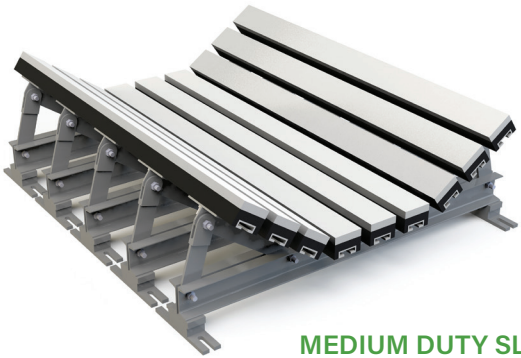
### TRUE IMPACT SYSTEM

Rugged multi-action shock absorption system that reduces impact damage to your belt.



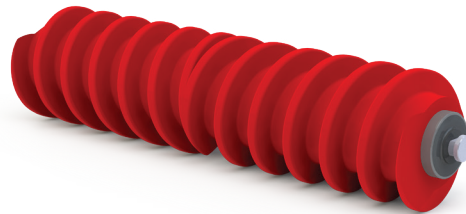
### EZ SLIDER SERIES

Rugged Retro-Fit sliders that fit standard PPI frames.



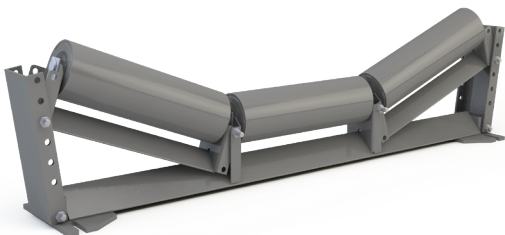
### MEDIUM DUTY SLIDER BED

This bed is an ideal combination of impact absorption and belt support that provides a tight seal for skirt boarding.



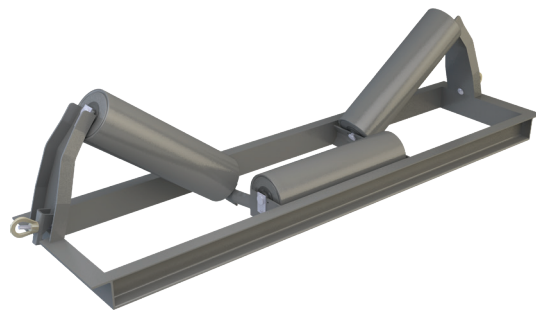
### SPIRAL URETHANE ROLL

Ever changing point of contact on the belt surface that provides cleaning action without beating the belt.



### TRANSITION EQUAL TROUGHERS - TET

Adjustable troughing angle for belt transitions.



### WIRE ROPE IDLERS

Attach to steel cable or rigid channel frames.

|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| APPLICABILITY:                                   | These terms and conditions of sale (these " <b>Terms</b> ") are the only terms which govern the sale of the goods (" <b>Goods</b> ") by Precision, Inc. (" <b>Seller</b> ") to the purchaser of the Goods (" <b>Buyer</b> "). The accompanying Buyer's purchase order (the " <b>PO</b> ") and these Terms (collectively, this " <b>Agreement</b> ") comprise the entire agreement between the parties, and supersede all prior or contemporaneous understandings, agreements, negotiations, representations and warranties, and communications, both written and oral. These Terms prevail over any of Seller's general terms and conditions of purchase. <b>POs SHALL BE PROMPTLY FORWARDED TO SELLER ELECTRONICALLY AND ARE SUBJECT TO SELLER'S ACCEPTANCE AT ITS OFFICE IN PELLA, IOWA BEFORE BECOMING BINDING ON SELLER.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| DELIVERY:                                        | Subject to the availability of finished Goods and unless otherwise specified by Buyer and agreed to by Seller, the Goods will be delivered within a reasonable time after receipt of the PO. Delivery shall be FOB shipping point (the " <b>Shipping Point</b> "). Title and risk of loss pass to Buyer upon delivery of the Goods to the Shipping Point. All shipments are insured at Buyer's expense and made at Buyer's risk and cost.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| SHIPPING TERMS AND PACKAGING:                    | The method and route of shipment, including packaging are at Seller's discretion unless otherwise specified by Buyer and agreed to by Seller.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| INSPECTION AND REJECTION OF NONCONFORMING GOODS: | Buyer shall inspect the Goods within thirty (30) days of receipt (" <b>Inspection Period</b> "). Buyer will be deemed to have accepted the Goods unless it notifies Seller in writing of any Nonconforming Goods during the Inspection Period. " <b>Nonconforming Goods</b> " means Goods that are different from those identified in the PO. Seller shall, at its option: (i) replace Nonconforming Goods with conforming Goods, or (ii) credit or refund the Price for such Nonconforming Goods. If Seller elects to replace the Nonconforming Goods, Seller shall, after receiving Buyer's shipment of Nonconforming Goods, ship to Buyer, at Buyer's expense and risk of loss, the conforming Goods. Any terms and conditions in the PO which deletes from, alters, or adds to these Terms will not be binding upon Seller unless such terms and conditions are expressly agreed to in writing by Seller.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| PRICE:                                           | Buyer shall purchase the Goods from Seller at the prices (the " <b>Price</b> ") agreed upon between Buyer and Seller. All prices are subject to change without notice. All Prices are exclusive of any local, state, or federal taxes.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| PAYMENT TERMS:                                   | Unless otherwise agreed by Buyer and Seller, payment shall be net thirty (30) days from the date of Seller's invoice. As collateral security for the payment of the Price, Buyer hereby grants to Seller a lien on and security interest in and to all of the right, title and interest of Buyer in the Goods, wherever located, and whether now existing or hereafter acquired, and in all accessions thereto and replacements or modifications thereof, as well as all proceeds therefrom. The security interest granted under this provision constitutes a purchase money security interest under the Iowa Uniform Commercial Code. In the event an order is received based on the PO and is later cancelled, placed on hold or delayed due to a lack of Buyer-supplied information, Seller reserves the right to add storage charges and/or invoices for total payment for Goods in process or completed. In the event of cancellation of an order, Buyer will be liable for the reasonable costs and expenses incurred by Seller prior to notice of cancellation of the order. Cancellation requests from the Buyer require the written consent of Seller.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| NON-DELIVERY:                                    | The Seller shall not be liable for any non-delivery of Goods (even if caused by Seller's negligence) unless Buyer gives written notice to Seller of the non-delivery within five (5) days of the date when the Goods would have been received in the ordinary course of business. Any liability of Seller for non-delivery of the Goods shall be limited to replacing the Goods within a reasonable time or adjusting the invoice respecting such Goods to reflect the actual quantity delivered.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| LIMITED WARRANTY:                                | Seller warrants to Buyer that: 1) for a period of twelve (12) months from the date of delivery of the Goods other than "specialty pulleys", Engineered Class pulleys, or ProDuty® pulleys; 2) the lesser of twelve (12) months or two thousand (2,000) hours of use for "specialty pulleys"; 3) two (2) years for Engineered Class pulleys or 4) ten (10) years for ProDuty® pulleys (" <b>Warranty Period</b> "), that such Goods will be free from material defects in material and workmanship, when used under normal load and operating conditions and installed and maintained properly. Warranties shall not apply to any Goods which have been subject to misuse, misapplication, accident, neglect, modification, repair, improper maintenance, improper storage or improper installation. Misuse includes, but is not limited to, deterioration by chemical action, wear by presence of abrasive material, improper lubrication. System design is the sole responsibility of Buyer and excessive or undefined loads shall not be warranted. <b>EXCEPT FOR THE WARRANTY SET FORTH IN THIS SECTION 8, SELLER MAKES NO WARRANTY WHATSOEVER WITH RESPECT TO THE GOODS, INCLUDING ANY (a) WARRANTY OF MERCHANTABILITY; (b) WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE (EXCEPT AS MAY BE AGREED TO BETWEEN BUYER AND SELLER); (c) WARRANTY OF TITLE; OR (d) WARRANTY AGAINST INFRINGEMENT OF INTELLECTUAL PROPERTY RIGHTS OF A THIRD PARTY; WHETHER EXPRESS OR IMPLIED BY LAW, COURSE OF DEALING, COURSE OF PERFORMANCE, USAGE OF TRADE OR OTHERWISE.</b> Products manufactured by a third party ("Third Party Product") may be incorporated in, attached to or packaged together with, the Goods. SELLER MAKES NO REPRESENTATIONS OR WARRANTIES WITH RESPECT TO ANY THIRD PARTY PRODUCT (EXCEPT AS MAY BE SPECIFIED BY SELLER). With respect to any such Goods during the Warranty Period, Seller shall, at its option, either: (i) repair or replace such Goods (or the defective part) or (ii) credit or refund the Price of such Goods. If Seller so requests, Buyer shall, at Buyer's expense (including but not limited to removal of the Goods and in-coming and out-going freight), return such Goods to Seller. <b>THE REMEDIES SET FORTH IN THIS SECTION 8 SHALL BE THE BUYER'S SOLE AND EXCLUSIVE REMEDY AND SELLER'S ENTIRE LIABILITY FOR ANY BREACH OF THE LIMITED WARRANTY SET FORTH IN THIS SECTION 8.</b> Any action for a breach of warranty must be commenced within one (1) month following expiration of the applicable Warranty Period. Seller hereby disclaims any liability for injuries which may result from the use of the Goods contrary to its instructions. |

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RETURNS:                   | The Goods may not be returned without prior written authorization by the Seller. Goods returned without prior written authorization will not be accepted. Expenses which result from the return of Goods must be borne by the Buyer. Returned Goods are subject to restocking charges plus outgoing and incoming freight charges. No cash refunds. Credit will be applied to future orders.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| COMPLIANCE WITH LAW:       | Buyer shall comply with all applicable laws, regulations and ordinances in carrying out its obligations under this Agreement. Buyer shall maintain in effect all the licenses, permissions, authorizations, consents and permits that it needs to carry out its obligations under this Agreement.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| SAFETY:                    | Seller disclaims any liability and Buyer agrees to fully indemnify Seller and its employees for all loss and expense, including attorney's fees, relating to any claim or liability or injury resulting from misuse, alteration, or the use of the Goods contrary to written instructions, including but not limited to those included in Seller's catalog. Seller recommends supplementing federal, state and owner safety programs with ANSI B20.1-2012, "Safety Standards for Conveyors and Related Equipment," and ANSI spec z244.1-2003(2008), "Control of Hazardous Energy – Lockout/Tagout and Alternative Methods" <b>NEVER OPERATE, ADJUST OR INSTALL EQUIPMENT ON A MOVING CONVEYOR.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| CHANGES AND CANCELLATIONS: | A request to cancel or change a PO must be made in writing at least thirty (30) days before the requested shipment date of the Goods and is subject to Seller's approval. Buyer acknowledges that a change, if accepted by Seller, may affect the price and the delivery of the Goods. In the event of a cancellation or termination, Customer shall, as a condition of such cancellation or termination, be obligated to pay Seller's reasonable costs and expenses incurred or committed to prior to the date of such cancellation or termination plus a reasonable allowance for Seller's lost profits with respect to the Goods. Buyer agrees to pay such costs and expenses promptly following receipt of Seller's invoice therefore, which shall be submitted to Buyer as soon as practicable after such termination or cancellation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| MISCELLANEOUS:             | Seller shall not be liable or responsible to Buyer, or be deemed to have defaulted or breached this Agreement, for any failure or delay in performing any term of this Agreement when and to the extent such failure or delay is caused by or results from circumstances beyond the reasonable control of Seller including, without limitation, acts of God, flood, fire or earthquake. Buyer shall not assign any of its rights or delegate any of its obligations under this Agreement without the prior written consent of Seller. The relationship between the parties is that of independent contractors. Nothing contained in this Agreement shall be construed as creating any agency, partnership, joint venture or other form of joint enterprise, employment or fiduciary relationship between the parties and neither party shall have authority to contract for or bind the other party in any manner whatsoever. This Agreement is for the sole benefit of the parties hereto and their respective successors and permitted assigns and nothing herein, express or implied, is intended to or shall confer upon any other person or entity any legal or equitable right, benefit or remedy of any nature whatsoever under or by reason of these Terms. All matters arising out of or relating to this Agreement are to be governed by and construed in accordance with the internal laws of the State of Iowa without giving effect to any choice or conflict of law provision or rule (whether of the State of Iowa or any other jurisdiction) that would cause the application of the laws of any jurisdiction other than those of the State of Iowa. Any legal suit, action or proceeding arising out of or relating to this Agreement shall be instituted in the federal courts of the United States of America or the courts of the State of Iowa in each case located in the City of Des Moines and County of Polk, and each party irrevocably submits to the exclusive jurisdiction of such courts in any such suit, action or proceeding. All notices, requests, consents, claims, demands, waivers and other communications hereunder (each, a " <b>Notice</b> ") shall be in writing and addressed to the parties at the addresses set forth on the face of the PO or to such other address that may be designated by the receiving party in writing. All Notices shall be delivered by personal delivery, nationally recognized overnight courier (with all fees pre-paid), facsimile (with confirmation of transmission) or certified or registered mail (in each case, return receipt requested, postage prepaid). Except as otherwise provided in this Agreement, a Notice is effective only (a) upon receipt of the receiving party, and (b) if the party giving the Notice has complied with the requirements of this Section. If any term or provision of this Agreement is invalid, illegal or unenforceable in any jurisdiction, such invalidity, illegality or unenforceability shall not affect any other term or provision of this Agreement or invalidate or render unenforceable such term or provision in any other jurisdiction. Provisions of these Terms which by their nature should apply beyond their terms will remain in force after any termination. The Agreement embodies the entire understanding between the parties with respect to the subject matter hereof and supersedes any prior agreement or understanding between the parties with respect to such matters. In the event that Seller hires an attorney to assert any of its rights or defenses in connection herewith or to collect amounts due, Buyer agrees to be responsible for all of Seller's legal fees and expenses as well as costs of collection. |



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