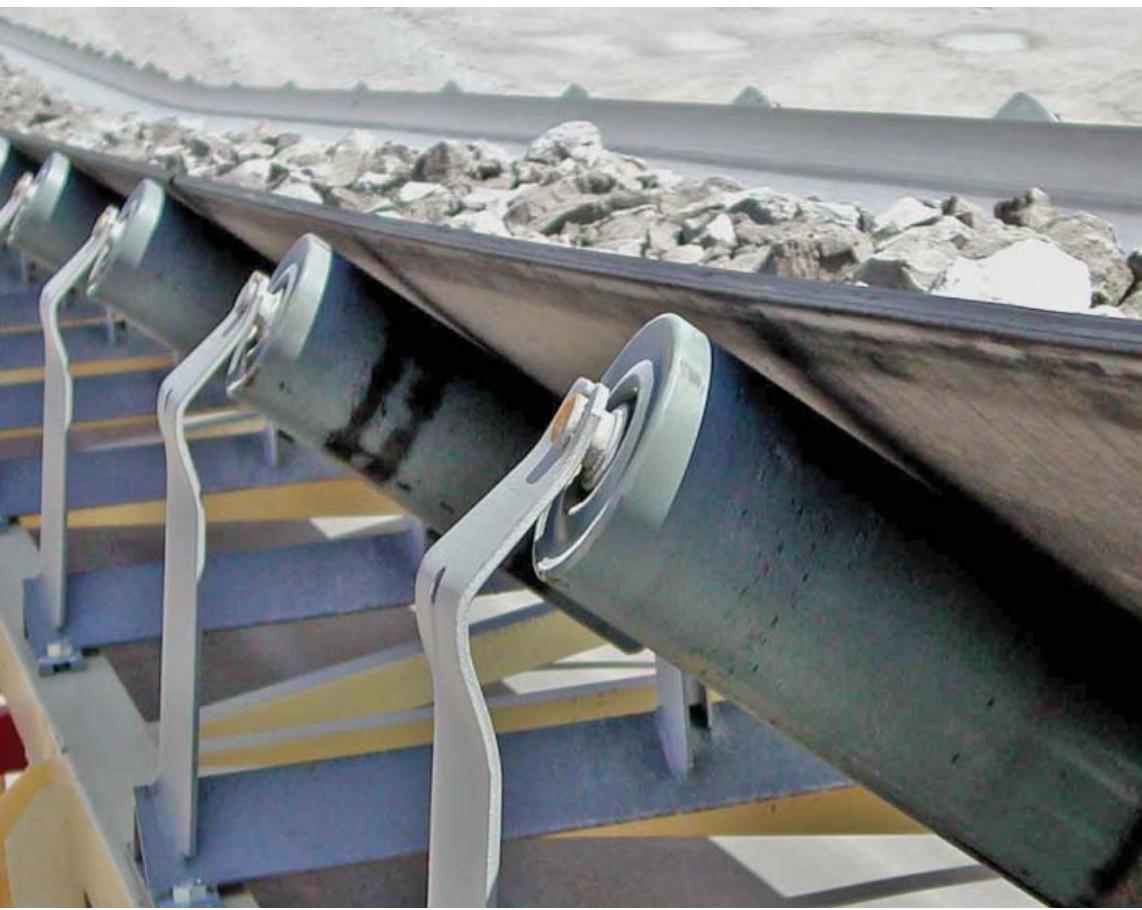
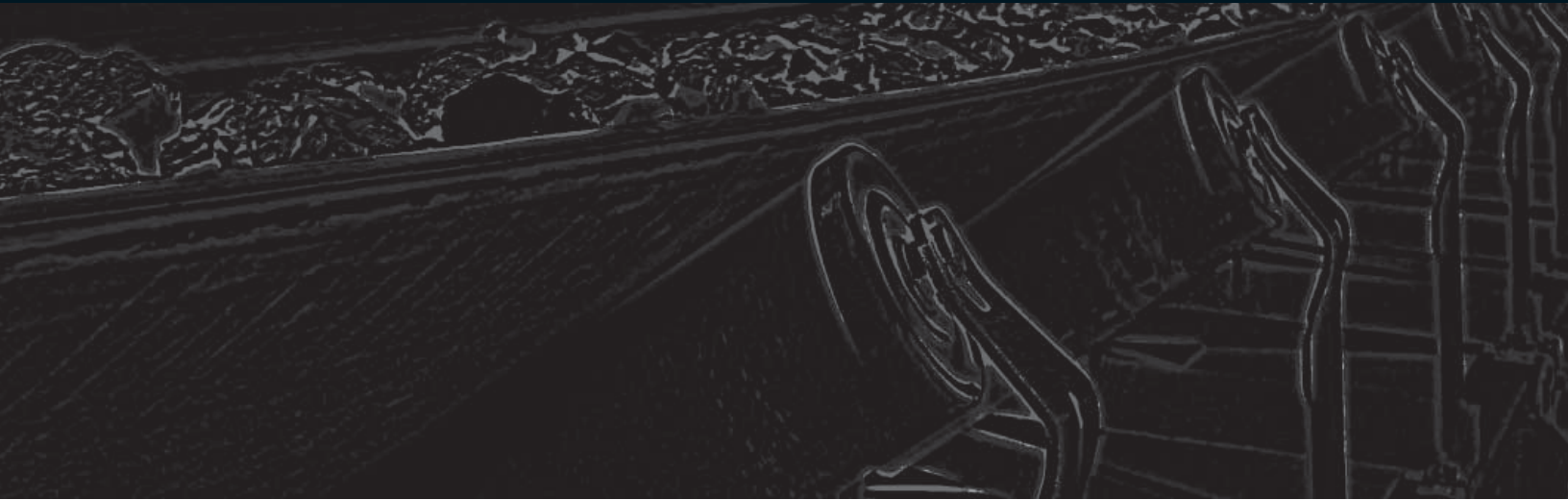


# Conveyor Idler and Accessories Catalogue



**We are your bulk material handling specialists**



**NORDSTRONG** permanently sealed idler is designed for outstanding field performance. The superior seal design and precision machined components mean long, trouble-free roll life and low maintenance costs. The unique bracket and roll features of our 10000 Series and 30000 Series idlers eliminate belt pinching and reduce belt wear. Advanced manufacturing methods and extensive quality assurance procedures provide an idler that is both economical and dependable.

Since inception, Nordstrong idlers have been used globally on a wide range of products. Experience in designing complete bulk material handling systems gives our design and manufacturing teams a greater understanding of the specific needs of belt conveyor components.

At Nordstrong Equipment Limited we pride ourselves on being able to meet the expanding and changing needs of our customers. We carry large inventories across North America for immediate shipment but if requirements cannot be met from our extensive standard stock, our engineering team will design custom items which can be shipped directly from our manufacturing facilities.

In these high tech times it is nice to know that our qualified personnel still visit customer locations to discuss options and manage specific projects.

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**Working For The Success Of Our Customer**

# Conveyor Idler and Accessories Catalogue

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# AN INTRODUCTION TO OUR IDLER SELECTION

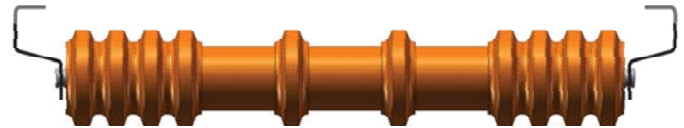
## Seal Systems

**IDLER FAILURE IS MOST COMMONLY** caused by contaminants entering the bearing and causing seizure of the rolling elements. Nordstrong utilizes two sealing systems incorporating multiple elements to provide an effective barrier against these contaminants.

System (1) is a cartridge unit consisting of a double lip BUNA 'N' contact seal which excludes contaminants from the bearing area. A steel deflector shield restricts moisture and dust from entering the cartridge seal. A rear seal retains grease

and seals in the bearing cavity. This seal is used in our 30000 and 50000 series rolls.

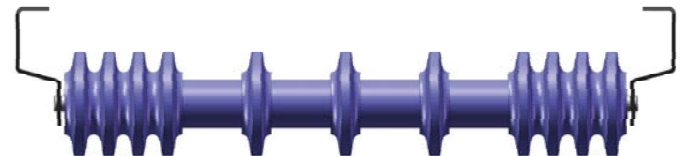
System (2) is a triple lip grease filled polyurethane shaft contact seal designed to exclude contaminants from the bearing cavity. This seal is used in our 40000 series rolls.



## Idler Bearings

**THE NORDSTRONG** idler uses a ball bearing that is designed specifically for use in belt conveyor idlers. The design of these bearings provides exceptional tolerances to contamination, higher basic load ratings and larger permissible misalignment due to load. The adjustment so critical to the proper operation of a tapered roller bearing is not required. Ball bearings, because of a greater tendency to retain their lubricant, do not require elaborate lubrication systems. Lubrication type systems provide a path for contaminants and require

frequent maintenance and permit damage to seals due to over lubrication. The Nordstrong idler meets or exceeds the applicable CEMA classification.



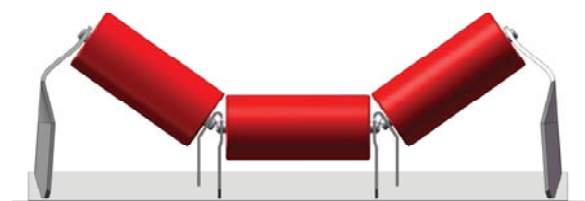
## 10000 Series Idlers (CEMA B)

**THE 10000 SERIES IDLER IS** recommended for medium duty installations.

The 10000 Series Idler is available in 4" and 5" diameter rolls with belt widths from 18" to 36" and troughing angles of 20, 35 and 45 degrees. Impact Idlers, Flat Steel and Rubber Disc returns are available to suit the particular requirements of the application.

Rolls and frames are available for easy and economical replacement of existing idlers. Replacement rolls simply drop into slotted holes in the frame. Adapter nuts are available to fit most other existing frames.

The 10000 Series Idler is built to the Conveyor Equipment Manufacturer Association standards and meets or exceeds CEMA B classification.



# 30000 Series Idlers (CEMA C)

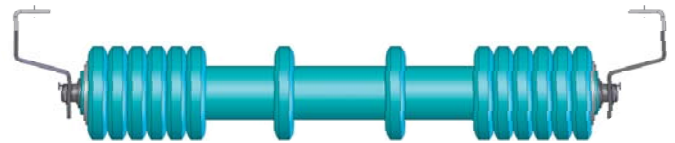
**THE 30000 SERIES IDLER** is designed for heavy duty applications. It is recommended for continuous operation where high capacities are required with heavy abrasive materials.

This idler series is available with 5" or 6" diameter rolls, 25mm shaft diameter in troughing angles of 20, 35 and 45 degrees to suit belt widths from 18" through 60". A wide variety of types are available including Impacts, Self-Training Troughing Idlers, Flat Returns and Rubber Disc Returns.

The 30000 Series Idler features precision machined rolls and solid centreless ground shafts to provide accurate bearing alignment and minimum shaft deflection. Heavy duty precision

bearings and combination contact and labyrinth seals ensure long roll life. The rigid frame design and offset roll configuration reduces scuffing and belt pinching thereby substantially extending belt life.

The 30000 Series Idler is built to the Conveyor Equipment Manufacturer Association standards and meets or exceeds CEMA C classification.



# 40000 Series Idlers (CEMA D)

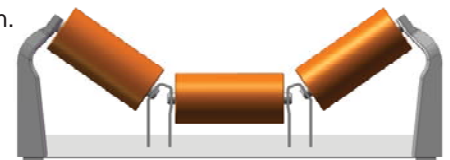
**THE 40000 SERIES IDLER** The 40000 Series Idler is designed for heavy duty applications. It is recommended for continuous operation where high capacities are required with heavy abrasive materials. These CEMA D idlers are suited for the increased loading being used today.

This idler is available with a 5" or 6" diameter roll and in troughing angles of 20, 30 or 45 degrees. Belt widths range from 36" to 96". A wide range of types are available, including Impacts, Self Training Troughing Idlers, Flat Returns, Self Training Returns and Rubber Disc Returns.

The 40000 Series Idler features a complete cartridge end assembly mounted in a precision machined roll. All shafts are

30mm centreless ground to provide accurate bearing alignment and minimum shaft deflection. Heavy duty precision bearings with triple contact seal cartridges ensure long roll life. The rigid frame and inline roll configuration is designed to eliminate trapped material and thereby substantially extend roll and belt life.

The 40000 Series Idler is built to the Conveyor Equipment Manufacturer Association standards and meets or exceeds CEMA D classification.



# 50000 Series Idlers (CEMA E)

**THE 50000 SERIES IDLER** is designed for extra heavy duty applications. It is recommended for continuous operation where high capacities are required with heavy abrasive materials. These CEMA E idlers are particularly adaptable to handling ores, copper, coal and overburden.

This idler is available with a 6" or 7" diameter roll, 35mm shaft diameter in troughing angles of 20, 30 or 45 degrees and to suit belt widths from 36" to 96". A wide variety of types are available including Impacts, Self Training Troughing Idlers, Flat Returns, 10 Degree Vee Returns, Self-Training Returns and Rubber Disc Returns.

The 50000 Series Idler features a precision machined roll and solid centreless ground shaft to provide accurate bearing

alignment and minimum shaft deflection. Heavy duty precision bearings and combination contact and labyrinth cartridge seals ensure long roll life. The ridged frame and inline roll configuration is designed to eliminate trapped material thereby substantially extending roll and belt life.

The 50000 Series Idler is built to the Conveyor Equipment Manufacturer Association standards and meets or exceeds CEMA E classification.



## Ordering Information

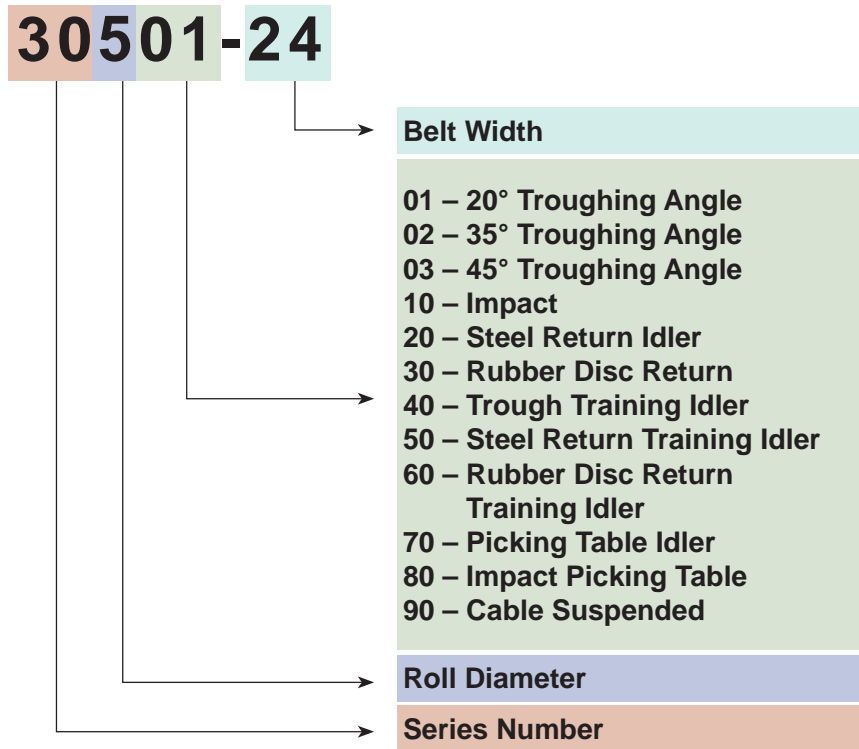
When ordering or inquiring, please specify the following information:

### COMPLETE IDLERS (Frames & Rolls)

**PART NUMBER: 30501-24**

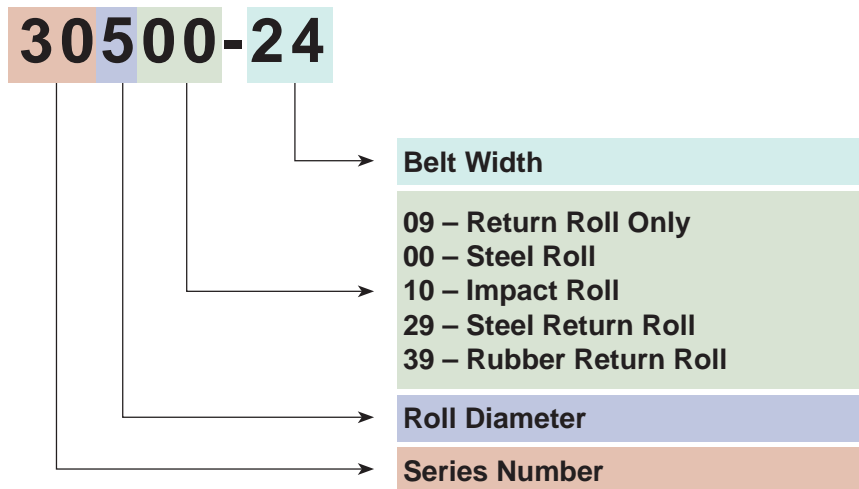
To order frame only, change roll size to "0"

Return Rolls will be shipped with brackets unless specified in the order.



### ROLLS ONLY

**PART NUMBER: 30500-24**



### VARIATION OF STANDARD IDLERS

- |                         |                                              |
|-------------------------|----------------------------------------------|
| <b>MD</b> Massed Disc   | <b>K</b> Short Roll                          |
| <b>V</b> VEE Return     | <b>HD</b> Heavy Duty (includes split plates) |
| <b>PC</b> Poly Cover    | <b>ADJ</b> Adjustable Idler                  |
| <b>SR</b> Solid Rubber  | <b>DD</b> Double Disc                        |
| <b>G</b> Garland        | <b>WB</b> Wide Base                          |
| <b>SQ</b> Scale Quality | <b>PVC</b> Poly Vinyl Cover                  |

# Load Ratings

## 1. IDLER SPACING SELECTION

Belt Width		Troughing Idlers Weight of material handled, lbs per cu ft						Return Idlers
Inches	mm	30	50	75	100	150	200	
18	450	5.5 ft	5.0 ft	5.0 ft	5.0 ft	4.5 ft	4.5 ft	10.0 ft
24	600	5.0 ft	4.5 ft	4.5 ft	4.0 ft	4.0 ft	4.0 ft	10.0 ft
30	750	5.0 ft	4.5 ft	4.5 ft	4.0 ft	4.0 ft	4.0 ft	10.0 ft
36	900	5.0 ft	4.5 ft	4.0 ft	4.0 ft	3.5 ft	3.5 ft	10.0 ft
42	1050	4.5 ft	4.5 ft	4.0 ft	3.5 ft	3.0 ft	3.0 ft	10.0 ft
48	1200	4.5 ft	4.0 ft	4.0 ft	3.5 ft	3.0 ft	3.0 ft	10.0 ft
54	1400	4.5 ft	4.0 ft	3.5 ft	3.5 ft	3.0 ft	3.0 ft	10.0 ft
60	1500	4.0 ft	4.0 ft	3.5 ft	3.0 ft	3.0 ft	3.0 ft	10.0 ft
72	1800	4.0 ft	3.5 ft	3.5 ft	3.0 ft	2.5 ft	2.5 ft	8.0 ft
84	2100	3.5 ft	3.5 ft	3.0 ft	2.5 ft	2.5 ft	2.0 ft	8.0 ft
96	2400	3.5 ft	3.5 ft	3.0 ft	2.5 ft	2.0 ft	2.0 ft	8.0 ft

Spacing may be limited by load rating of idler. See load ratings in tables below.

## 3. LOAD RATINGS

Belt Width		Load Ratings for CEMA B Idlers, lbs				Load Ratings for CEMA C Idlers, lbs			
Inches	mm	Trough Angle			Return	Trough Angle			Return
		20°	35°	45°		20°	35°	45°	
18	450	410	410	410	220	900	900	900	475
24	600	410	410	410	190	900	900	900	325
30	750	410	410	410	165	900	900	900	250
36	900	410	410	396	155	900	837	810	200
42	1050	390	363	351	140	850	791	765	150
48	1200	380	353	342	130	800	744	720	125
54	1400					750	698	675	*
60	1500					700	650	630	*

\*Use CEMA D return Idlers Ratings based on min. L10 of 30,000 hours at 500 RPM

Belt Width		Load Ratings for CEMA D Idlers, lbs				Load Ratings for CEMA E Idlers, lbs			
Inches	mm	Trough Angle			Return	Trough Angle			Return
		20°	35°	45°		20°	35°	45°	
24	600	1200	1200	1200	600				
30	750	1200	1200	1200	600				
36	900	1200	1200	1200	600	1800	1800	1800	1000
42	1050	1200	1200	1200	500	1800	1800	1800	1000
48	1200	1200	1200	1200	425	1800	1800	1800	1000
54	1400	1200	1116	1080	375	1800	1800	1800	925
60	1500	1150	1070	1035	280	1800	1800	1800	850
72	1800	1050	977	945	155	1800	1800	1800	700
84	2100					1800	1674	1620	550
96	2400					1750	1628	1575	400

Ratings based on min. L10 of 60,000 hours at 500 RPM

Dimensions subject to change. Use certified drawings only.

## 2. BELT WEIGHT SECTION

ESTIMATED AVERAGE BELT WEIGHT, MULTIPLE - AND REDUCED - PLY BELTS, LBS/FT

Belt Width		Material carried, lbs/ft <sup>3</sup>		
Inches	mm	30-74	75-129	130-200
18	450	3.5	4	4.5
24	600	4.5	5.5	6
30	750	6	7	8
36	900	9	10	12
42	1050	11	12	14
48	1200	14	15	17
54	1400	16	17	19
60	1500	18	20	22
72	1800	21	24	26
84	2100	25	30	33
96	2400	30	35	38

Steel-cable belts - increase above value by 50%

## 4. CARRYING IDLER LOAD CALCULATION

$$P_c = S \left[ \frac{(TPH \times 33.3)}{FPM} + W_b \right]$$

WHERE:

**P<sub>c</sub>** = Load per Idler in Lbs

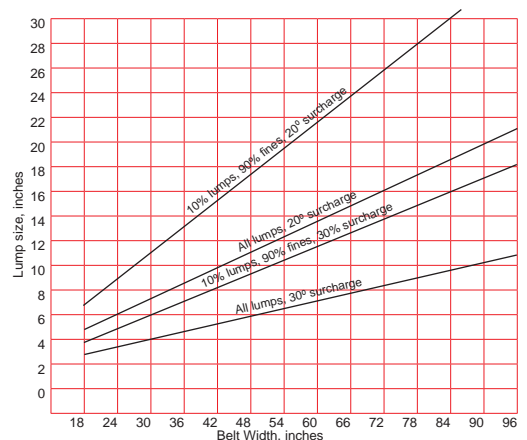
**S** = Idler Spacing in Feet – from Step 1

**TPH** = Required Conveyor Capacity in Tons Per Hour

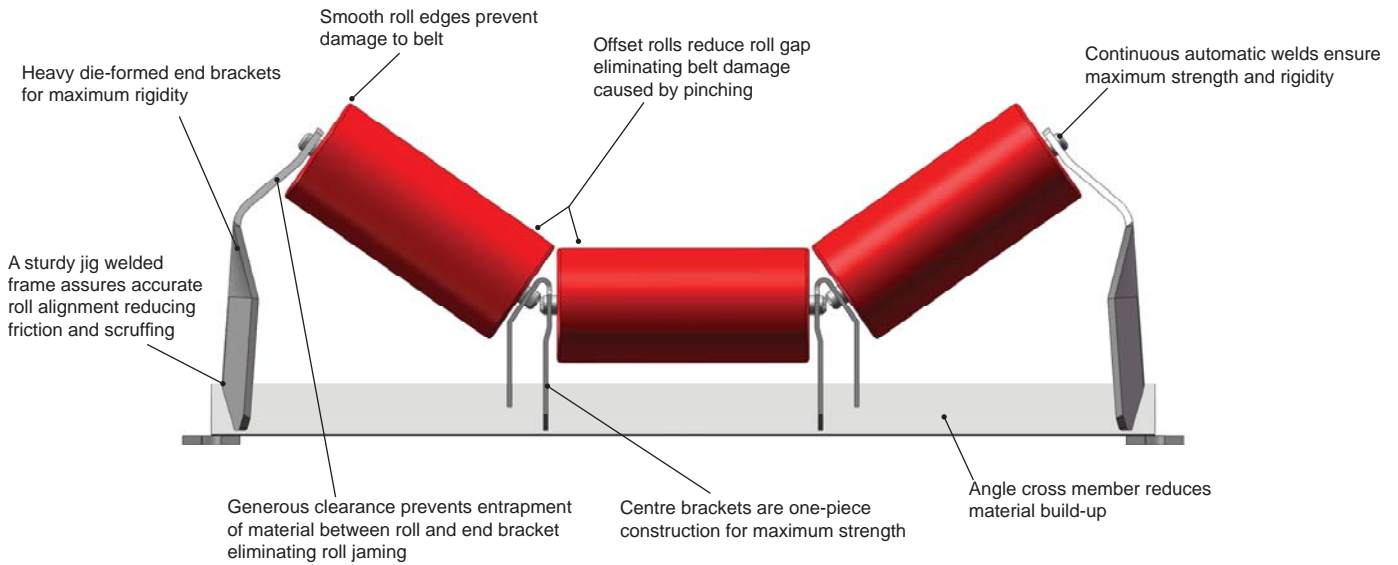
**FPM** = Belt Speed in Feet per Minute

**W<sub>b</sub>** = Belt Weight in Lbs Per Foot – from Step 2

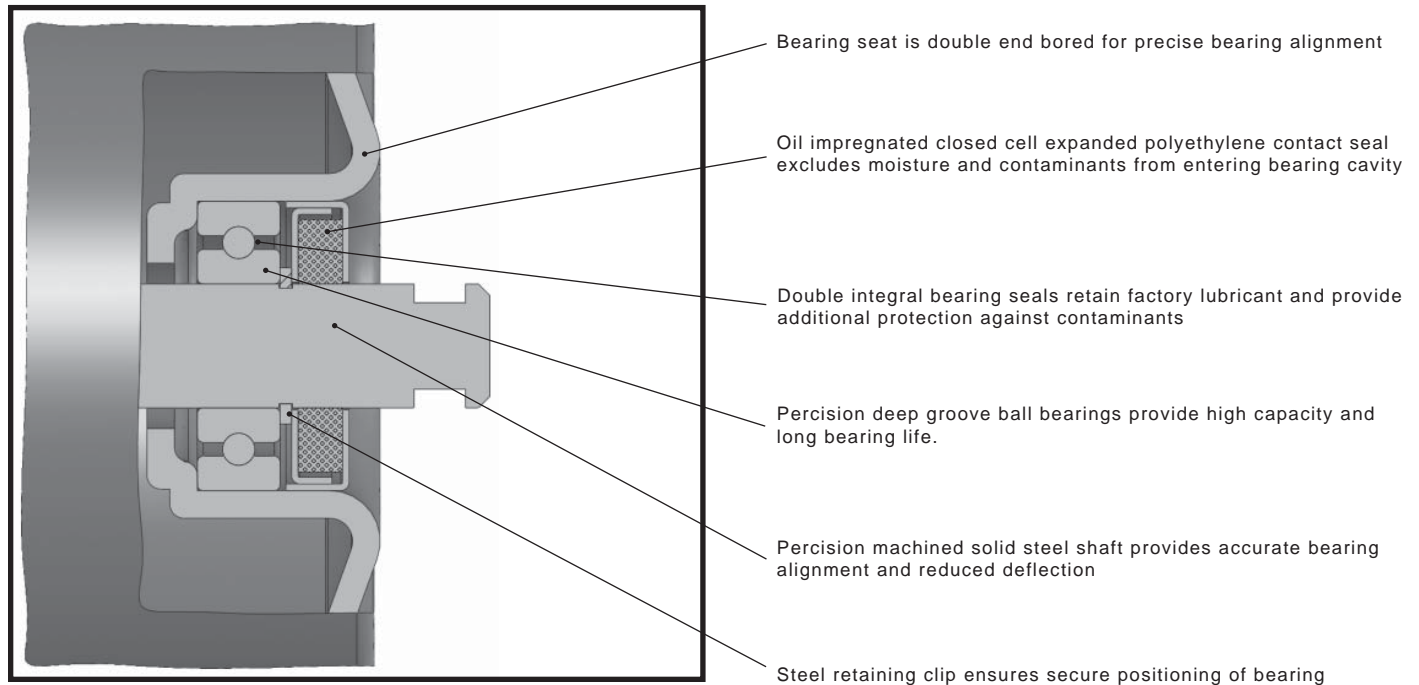
Troughing idler load ratings are based on a load distribution of 70% on center roll and 15% on each end roll for all trough angles.



## 10000 SERIES IDLERS: OVERVIEW



## 10000 SERIES IDLERS: A CLOSER LOOK



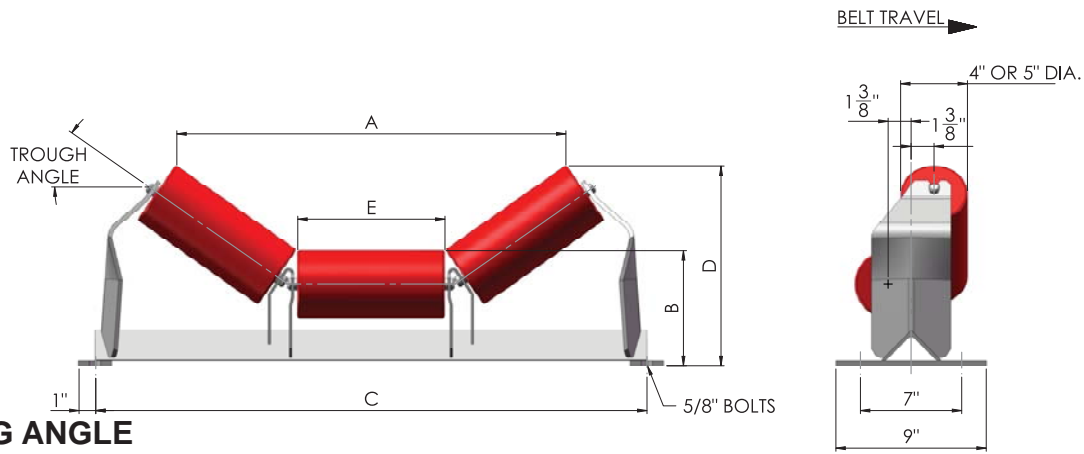
Dimensions subject to change. Use certified drawings only.



# TROUGHING IDLERS

## 4 inch and 5 inch diameter rolls

**10000 Series**  
**CEMA B**



### 20° TROUGHING ANGLE

Belt Width	Model Number		A		B		C	D		E	Weight of Each Roll			Assembly Weight	
	4" Roll	5" Roll	4" Roll	5" Roll	4" Roll	5" Roll		4" Roll	5" Roll		Units	4" Roll	5" Roll	4" Roll	5" Roll
in. 18 mm 450	10401-18	10501-18	19.7 500	19.4 493	6.9 175	7.4 188	27.0 686	9.1 231	9.5 241	6.7 170	lb. kg.	5.8 2.6	7.0 3.2	31.4 14.2	35.1 15.9
in. 20 mm 500	10401-20	10501-20	21.7 551	21.4 544	6.9 175	7.4 188	29.0 737	9.3 236	9.8 249	7.4 188	lb. kg.	6.2 2.8	7.6 3.4	33.2 15.1	37.2 16.9
in. 24 mm 600	10401-24	10501-24	25.8 655	25.4 645	6.9 175	7.4 188	33.0 838	9.8 249	10.3 262	8.8 224	lb. kg.	7.1 3.2	8.6 3.9	36.8 16.7	41.3 18.7
in. 30 mm 750	10401-30	10501-30	31.8 808	31.5 800	6.9 175	7.4 188	39.0 991	10.5 267	11.0 279	10.9 277	lb. kg.	8.3 3.8	10.1 4.6	41.1 19.1	47.5 21.5
in. 36 mm 900	10401-36	10501-36	37.8 963	37.5 953	6.9 175	7.4 188	45.0 1143	11.2 284	11.7 297	13.0 330	lb. kg.	9.6 4.4	11.7 5.3	47.4 21.5	53.7 24.4

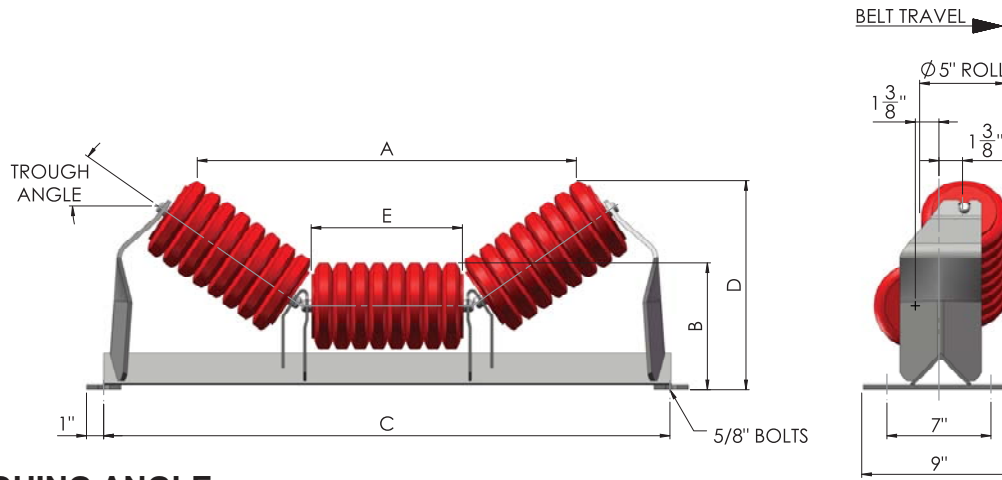
### 35° TROUGHING ANGLE

Belt Width	Model Number		A		B		C	D		E	Weight of Each Roll			Assembly Weight	
	4" Roll	5" Roll	4" Roll	5" Roll	4" Roll	5" Roll		4" Roll	5" Roll		Units	4" Roll	5" Roll	4" Roll	5" Roll
in. 18 mm 450	10402-18	10502-18	18.1 460	17.5 445	6.9 175	7.4 188	27.0 686	10.7 272	11.1 282	6.7 170	lb. kg.	5.8 2.6	7.0 3.2	32.4 14.7	36.1 16.4
in. 20 mm 500	10402-20	10502-20	20.0 508	19.4 493	6.9 175	7.4 188	29.0 737	11.1 282	11.5 292	7.4 188	lb. kg.	6.2 2.8	7.6 3.4	34.5 15.6	38.5 17.5
in. 24 mm 600	10402-24	10502-24	23.7 602	23.1 587	6.9 175	7.4 188	33.0 838	11.9 302	12.3 312	8.8 224	lb. kg.	7.1 3.2	8.6 3.9	38.6 17.5	43.1 19.6
in. 30 mm 750	10402-30	10502-30	29.3 744	28.7 729	6.9 175	7.4 188	39.0 991	13.1 333	13.5 342.9	10.9 277	lb. kg.	8.3 3.8	10.1 4.6	44.7 20.3	50.1 22.7
in. 36 mm 900	10402-36	10502-36	34.8 884	34.2 869	6.9 175	7.4 188	45.0 1143	14.3 363	14.7 373	13.0 330	lb. kg.	9.6 4.4	11.7 5.3	50.8 23.0	57.1 25.9

### 45° TROUGHING ANGLE

Belt Width	Model Number		A		B		C	D		E	Weight of Each Roll			Assembly Weight	
	4" Roll	5" Roll	4" Roll	5" Roll	4" Roll	5" Roll		4" Roll	5" Roll		Units	4" Roll	5" Roll	4" Roll	5" Roll
in. 18 mm 450	10403-18	10503-18	16.7 424	16.1 409	6.9 175	7.4 188	27.0 686	11.6 295	12.0 305	6.7 170	lb. kg.	5.8 2.6	7.0 3.2	32.9 14.9	36.6 16.6
in. 20 mm 500	10403-20	10503-20	18.4 467	17.8 452	6.9 175	7.4 188	29.0 737	12.1 307	12.5 318	7.4 188	lb. kg.	6.2 2.8	7.6 3.4	35.3 16.0	39.3 17.8
in. 24 mm 600	10403-24	10503-24	21.8 554	21.2 538	6.9 175	7.4 188	33.0 838	13.1 333	13.5 343	8.8 224	lb. kg.	7.1 3.2	8.6 3.9	39.8 18.0	44.3 20.1
in. 30 mm 750	10403-30	10503-30	27.0 686	26.3 668	6.9 175	7.4 188	39.0 991	14.6 371	15.0 381	10.9 277	lb. kg.	8.3 3.8	10.1 4.6	46.2 21.0	51.6 23.4
in. 36 mm 900	10403-36	10503-36	32.0 813	31.3 795	6.9 175	7.4 188	45.0 1143	16.1 409	16.4 417	13.0 330	lb. kg.	9.6 4.4	11.7 5.3	52.6 23.9	58.9 26.7

Dimensions subject to change. Use certified drawings only.



**20° TROUGHING ANGLE**

Belt Width	Model Number 5" Roll	A	B	C	D	E	Weight Units	Roll Weight	Assembly Weight
in. 18 mm 450	10511-18	18.8 478	7.4 188	27.0 686	9.5 241	6.8 173	lb. kg.	7.6 3.4	36.8 16.7
in. 20 mm 500	10511-20	20.8 528	7.4 188	29.0 737	9.7 246	7.5 191	lb. kg.	8.7 3.9	40.6 18.4
in. 24 mm 600	10511-24	24.8 630	7.4 188	33.0 838	10.2 259	8.9 226	lb. kg.	10.1 4.6	45.8 20.8
in. 30 mm 750	10511-30	30.9 785	7.4 188	39.0 991	10.9 277	11.0 279	lb. kg.	12.3 5.6	53.9 24.4
in. 36 mm 900	10511-36	36.9 937	7.4 188	45.0 1143	11.6 295	13.1 333	lb. kg.	14.7 6.7	62.6 28.4

**35° TROUGHING ANGLE**

Belt Width	Model Number 5" Roll	A	B	C	D	E	Weight Units	Roll Weight	Assembly Weight
in. 18 mm 450	10512-18	17.1 434	7.4 188	27.0 686	11.0 279	6.8 173	lb. kg.	7.6 3.4	37.8 17.1
in. 20 mm 500	10512-20	19.0 483	7.4 188	29.0 737	11.3 287	7.5 191	lb. kg.	8.7 3.9	41.9 19.0
in. 24 mm 600	10512-24	22.7 577	7.4 188	33.0 838	12.1 307	8.9 226	lb. kg.	10.1 4.6	47.6 21.6
in. 30 mm 750	10512-30	28.2 716	7.4 188	39.0 991	13.4 340	11.0 279	lb. kg.	12.3 5.6	56.5 25.6
in. 36 mm 900	10512-36	33.7 856	7.4 188	45.0 1143	14.6 371	13.1 333	lb. kg.	14.7 6.7	66.0 29.9

**45° TROUGHING ANGLE**

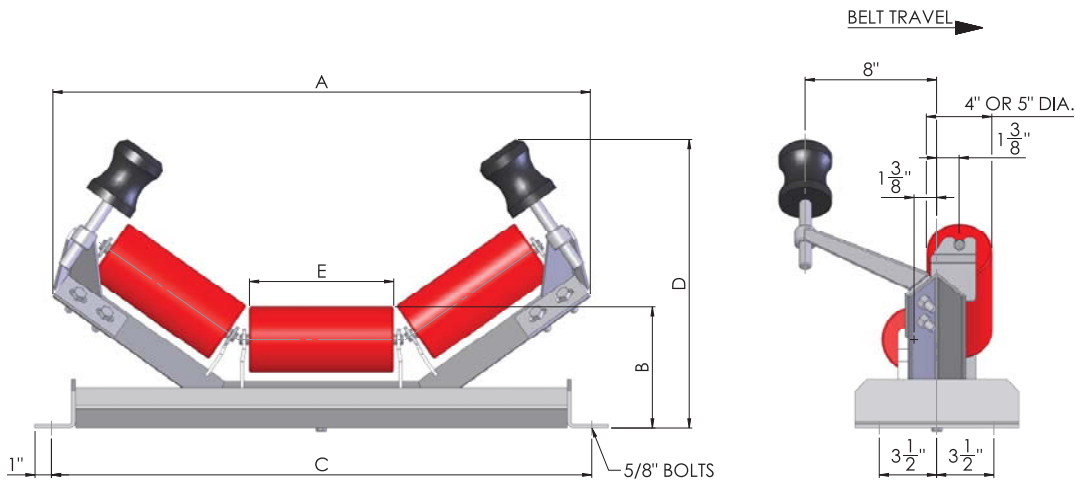
Belt Width	Model Number 5" Roll	A	B	C	D	E	Weight Units	Roll Weight	Assembly Weight
in. 18 mm 450	10513-18	15.6 396	7.4 188	27.0 686	11.8 300	6.8 173	lb. kg.	7.6 3.4	38.3 17.4
in. 20 mm 500	10513-20	17.3 439	7.4 188	29.0 737	12.3 313	7.5 191	lb. kg.	8.7 3.9	42.7 19.4
in. 24 mm 600	10513-24	20.7 526	7.4 188	33.0 838	13.3 338	8.9 226	lb. kg.	10.1 4.6	48.8 22.1
in. 30 mm 750	10513-30	25.8 655	7.4 188	39.0 991	14.8 376	11.0 279	lb. kg.	12.3 5.6	28.0 26.3
in. 36 mm 900	10513-36	30.9 785	7.4 188	45.0 1143	16.3 414	13.1 333	lb. kg.	14.7 6.7	67.8 30.8

Dimensions subject to change. Use certified drawings only.

# SELF-TRAINING TROUGHING IDLERS

## 4 inch and 5 inch diameter rolls

**10000 Series**  
**CEMA B**



### 20° TROUGHING ANGLE

Belt Width	Model Number		A			B		C	D			E	Weight Units	Roll Weight		Assembly Weight	
	4" Roll	5" Roll	20°	35°	45°	4" Roll	5" Roll		20°	35°	45°			4" Roll	5" Roll	4" Roll	5" Roll
in. 18 mm 450	10441-18	10541-18	26.5 673	27.5 699	27.3 693	7.5 191	8.0 203	27.0 686	14.6 371	15.5 394	15.7 399	6.7 170	lb. kg.	5.8 2.6	7.0 3.2	56.8 25.5	60.4 27.1
in. 20 mm 500	10441-20	10541-20	28.6 726	29.3 744	29.0 737	7.5 191	8.0 203	29.0 737	14.8 376	15.9 404	16.2 411	7.4 188	lb. kg.	6.2 2.8	7.6 3.4	58.8 26.4	63.0 28.3
in. 24 mm 600	10441-24	10541-24	32.6 828	33.0 838	32.4 823	7.5 191	8.0 203	33.0 838	15.3 389	16.7 424	17.4 442	8.8 224	lb. kg.	7.1 3.2	8.6 3.9	63.8 28.7	68.3 30.7
in. 30 mm 750	10441-30	10541-30	38.6 980	38.6 980	37.5 953	7.5 191	8.0 203	39.0 991	16.0 406	17.9 455	18.7 475	10.9 277	lb. kg.	8.3 3.8	10.1 4.6	68.7 30.9	74.1 33.3
in. 36 mm 900	10441-36	10541-36	44.7 1135	44.1 1120	42.5 1080	7.5 191	8.0 203	45.0 1143	16.7 424	19.1 485	20.2 513	13.0 330	lb. kg.	9.6 4.4	11.7 5.3	81.3 36.6	87.6 39.5

### 35° TROUGHING ANGLE

Belt Width	Model Number		A			B		C	D			E	Weight Units	Roll Weight		Assembly Weight	
	4" Roll	5" Roll	20°	35°	45°	4" Roll	5" Roll		20°	35°	45°			4" Roll	5" Roll	4" Roll	5" Roll
in. 18 mm 450	10442-18	10542-18	26.5 673	27.5 699	27.3 693	7.5 191	8.0 203	27.0 686	14.6 371	15.5 394	15.7 399	6.7 170	lb. kg.	5.8 2.6	7.0 3.2	57.3 26.0	60.9 27.6
in. 20 mm 500	10442-20	10542-20	28.6 726	29.3 744	29.0 737	7.5 191	8.0 203	29.0 737	14.8 376	15.9 404	16.2 411	7.4 188	lb. kg.	6.2 2.8	7.6 3.4	59.3 26.9	63.5 28.8
in. 24 mm 600	10442-24	10542-24	32.6 828	33.0 838	32.4 823	7.5 191	8.0 203	33.0 838	15.3 389	16.7 424	17.4 442	8.8 224	lb. kg.	7.1 3.2	8.6 3.9	64.3 29.2	68.8 31.2
in. 30 mm 750	10442-30	10542-30	38.6 980	38.6 980	37.5 953	7.5 191	8.0 203	39.0 991	16.0 406	17.9 455	18.7 475	10.9 277	lb. kg.	8.3 3.8	10.1 4.6	69.2 31.4	74.6 33.8
in. 36 mm 900	10442-36	10542-36	44.7 1135	44.1 112	42.5 1080	7.5 191	8.0 203	45.0 1143	16.7 424	19.1 485	20.2 513	13.0 330	lb. kg.	9.6 4.4	11.7 5.3	81.8 37.1	88.1 40.0

### 45° TROUGHING ANGLE

Belt Width	Model Number		A			B		C	D			E	Weight Units	Roll Weight		Assembly Weight	
	4" Roll	5" Roll	20°	35°	45°	4" Roll	5" Roll		20°	35°	45°			4" Roll	5" Roll	4" Roll	5" Roll
in. 18 mm 450	10443-18	10543-18	26.5 673	27.5 699	27.3 693	7.5 191	8.0 203	27.0 686	14.6 371	15.5 394	15.7 399	6.7 170	lb. kg.	5.8 2.6	7.0 3.2	57.8 26.5	61.4 28.1
in. 20 mm 500	10443-20	10543-20	28.6 726	29.3 744	29.0 737	7.5 191	8.0 203	29.0 737	14.8 376	15.9 404	16.2 411	7.4 188	lb. kg.	6.2 2.8	7.6 3.4	59.8 27.4	64.0 29.3
in. 24 mm 600	10443-24	10543-24	32.6 828	33.0 838	32.4 823	7.5 191	8.0 203	33.0 838	15.3 389	16.7 424	17.4 442	8.8 224	lb. kg.	7.1 3.2	8.6 3.9	64.8 29.7	69.3 31.7
in. 30 mm 50	10443-30	10543-30	38.6 980	38.6 980	37.5 953	7.5 191	8.0 203	39.0 991	16.0 406	17.9 455	18.7 475	10.9 277	lb. kg.	8.3 3.8	10.1 4.6	69.7 31.9	75.1 34.3
in. 36 mm 900	10443-36	10543-36	44.7 1135	44.1 112	42.5 1080	7.5 191	8.0 203	45.0 1143	16.7 424	19.1 485	20.2 513	13.0 330	lb. kg.	9.6 4.4	11.7 5.3	82.3 37.6	88.6 40.5

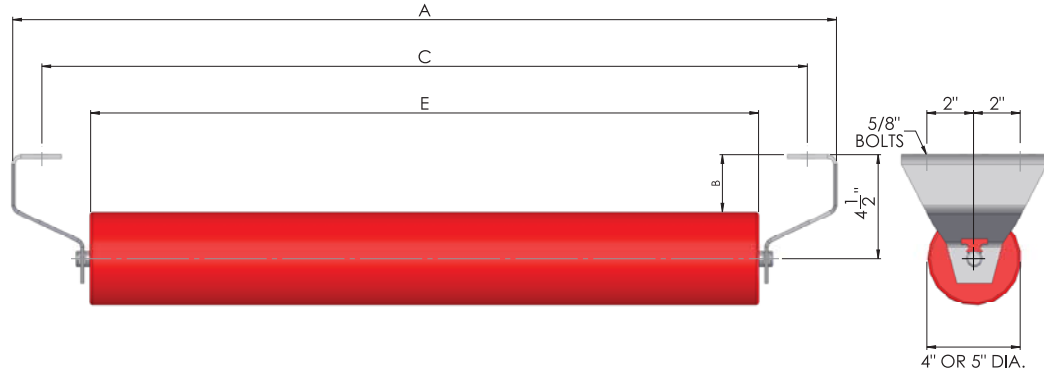
Dimensions subject to change. Use certified drawings only.

# RETURN IDLERS

4 inch and 5 inch diameter rolls

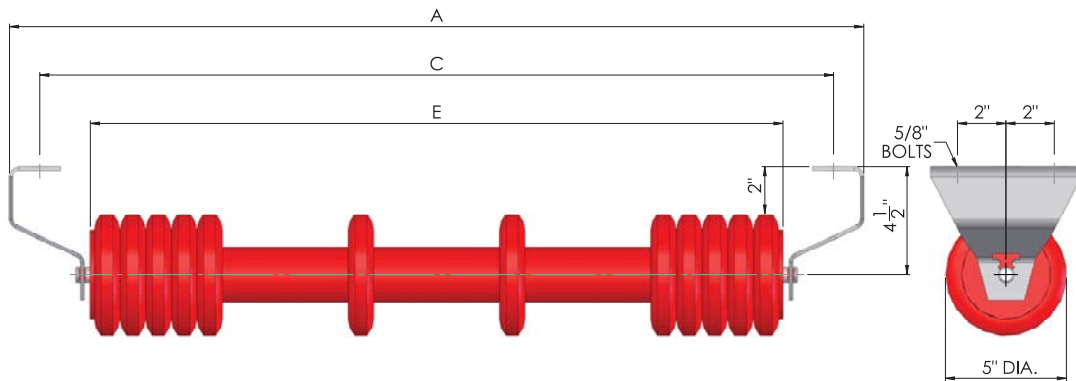
10000 Series

CEMA B



## STEEL RETURNS - 4 INCH & 5 INCH DIAMETER ROLLS

Belt Width	Model Number		A	B		C	E	Weight Units	Roll Weight		Assembly Weight	
	4" Roll	5" Roll		4" Roll	5" Roll				4" Roll	5" Roll	4" Roll	5" Roll
in. 18 mm 450	10420-18	10520-18	29.3 744	2.5 64	2.0 51	27.0 686	22.6 574	lb. kg.	15.6 7.1	19.0 8.6	18.4 8.3	21.8 9.9
in. 20 mm 500	10420-20	10520-20	31.3 795	2.5 64	2.0 51	29.0 737	24.6 625	lb. kg.	16.9 7.7	20.5 9.3	19.7 8.9	23.3 10.6
in. 24 mm 600	10420-24	10520-24	35.3 897	2.5 64	2.0 51	33.0 838	28.6 726	lb. kg.	19.4 8.8	23.4 10.6	22.2 10.1	26.2 11.9
in. 30 mm 750	10420-30	10520-30	41.3 1049	2.5 64	2.0 51	39.0 991	34.6 879	lb. kg.	23.2 10.5	27.8 12.6	26.0 11.8	30.6 13.9
in. 36 mm 900	10420-36	10520-36	47.3 1201	2.5 64	2.0 51	45.0 1143	40.6 1031	lb. kg.	27.0 12.2	32.2 14.6	29.8 13.5	35.0 15.9



## RUBBER DISC RETURNS - 5 INCH DIAMETER ROLLS

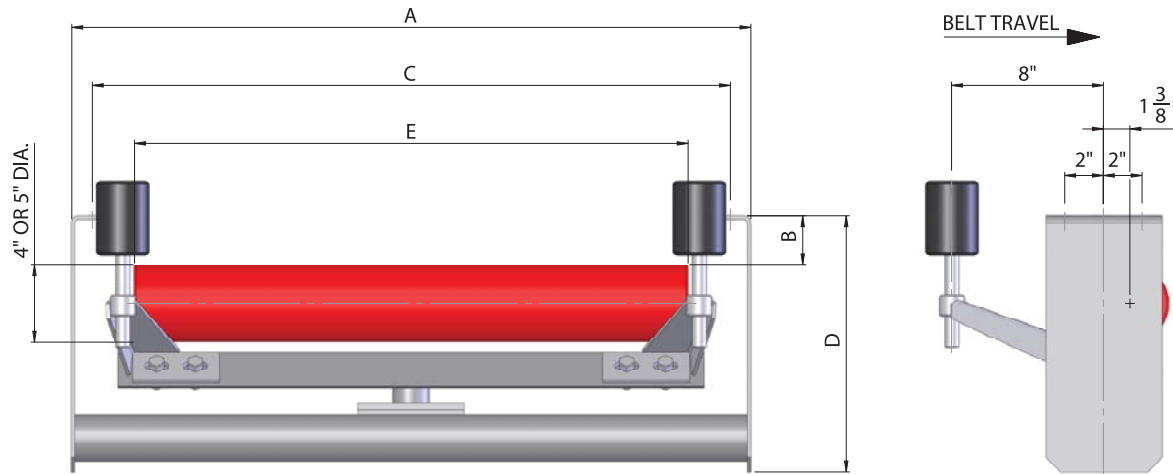
Belt Width	Model Number	A	C	E	Weight Units	Roll Weight	Assembly Weight
in. 18 mm 450	10530-18	29.3 744	27.0 686	22.7 577	lb. kg.	18.2 8.3	21.0 9.5
in. 20 mm 500	10530-20	31.3 795	29.0 737	24.7 627	lb. kg.	19.4 8.8	22.2 10.1
in. 24 mm 600	10530-24	35.3 897	33.0 838	28.7 729	lb. kg.	21.9 9.9	24.7 11.2
in. 30 mm 750	10530-30	41.3 1049	39.0 991	34.7 881	lb. kg.	25.6 1.6	28.4 12.9
in. 36 mm 900	10530-36	47.3 1201	45.0 1143	40.7 1034	lb. kg.	29.3 13.3	32.1 14.6

Dimensions subject to change. Use certified drawings only.

# SELF-TRAINING RETURNS

## 4 inch and 5 inch diameter rolls

**10000 Series**  
**CEMA B**

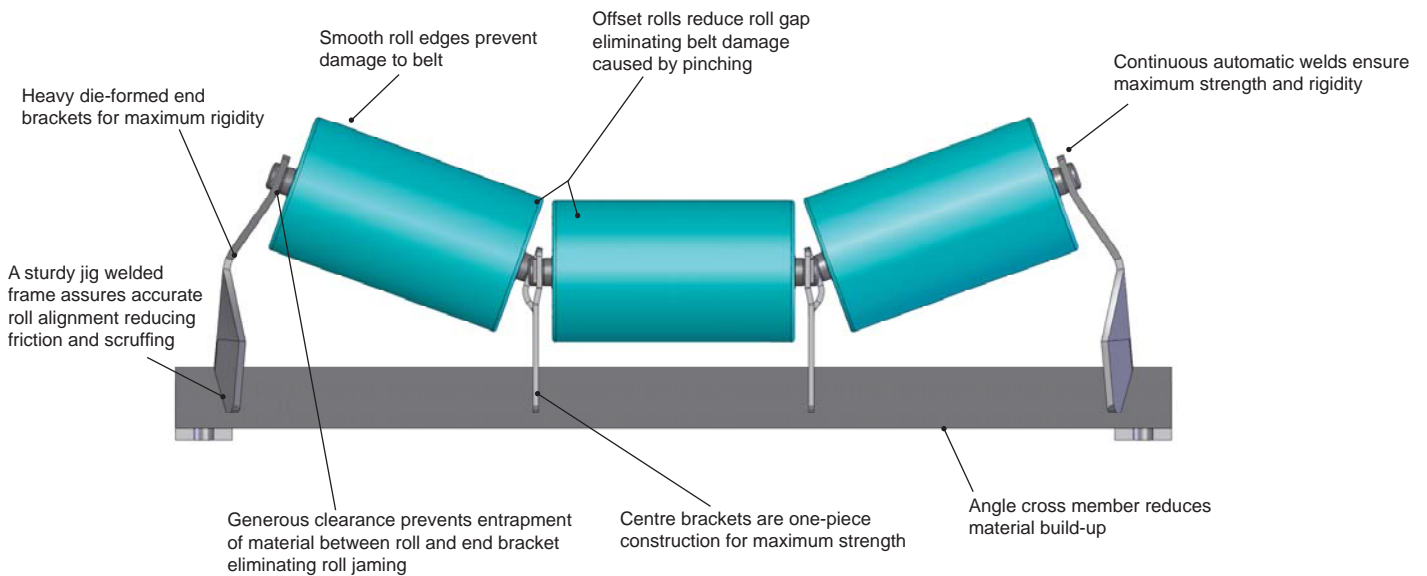


Belt Width	Model Number		A	B		C	D	E	Weight Units	Roll Weight		Assembly Weight	
	4" Roll	5" Roll		4" Roll	5" Roll					4" Roll	5" Roll		
in. 18 mm 450	10450-18	10550-18	29.1 739	2.5 64	2.0 51	27.0 686	13.3 338	22.6 574	lb. kg.	15.6 7.1	19.0 8.6	58.9 26.7	62.3 28.3
in. 20 mm 500	10450-20	10550-20	31.1 790	2.5 64	2.0 51	29.0 737	13.3 338	24.6 625	lb. kg.	16.9 7.7	20.5 9.3	61.0 27.7	64.6 29.3
in. 24 mm 600	10450-24	10550-24	35.1 892	2.5 64	2.0 51	33.0 838	13.3 338	28.6 726	lb. kg.	19.4 8.8	23.4 10.6	65.1 29.5	69.1 31.3
in. 30 mm 750	10450-30	10550-30	41.1 1044	2.5 64	2.0 51	39.0 991	13.3 338	34.6 879	lb. kg.	23.2 10.5	27.8 12.6	71.3 32.3	75.9 34.4
in. 36 mm 900	10450-36	10550-36	47.1 1196	2.5 64	2.0 51	45.0 1143	13.3 338	40.6 1031	lb. kg.	27.0 12.2	32.2 14.6	77.6 35.2	82.8 37.6

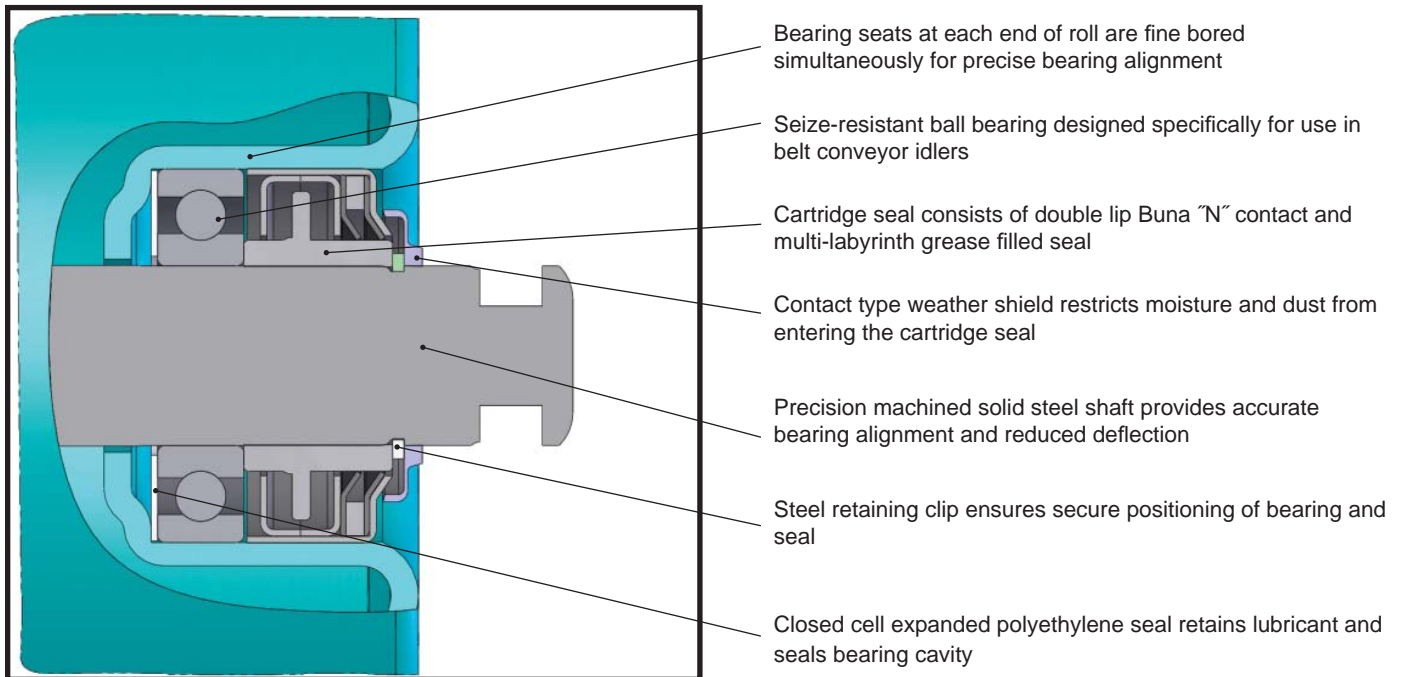


Dimensions subject to change. Use certified drawings only.

## 30000 SERIES IDLERS: OVERVIEW



## 30000 SERIES IDLERS: A CLOSER LOOK



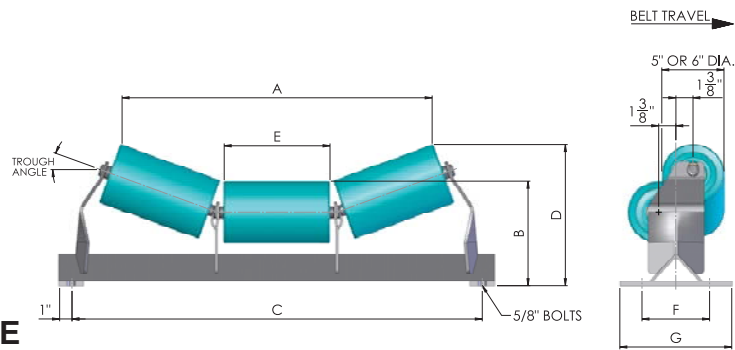
Dimensions subject to change. Use certified drawings only.

# TROUGHING IDLERS

5 inch and 6 inch diameter rolls / 25 mm shaft diameter

30000 Series

CEMA C



## 20° TROUGHING ANGLE

Belt Width	Model Number		A				C	D		E	F	G	Weight Units	Weights			
	5" Roll	6" Roll	5" Roll	6" Roll	5" Roll	6" Roll		5" Roll	6" Roll					Roll Each		Idler Assy	
														5" Roll	6" Roll	5" Roll	6" Roll
in. 18	30501-18	30601-18	19.4	19.0	8.5	9.0	27.0	10.8	11.3	6.4	7.0	9.0	lb.	8.6	13.0	44.4	57.6
mm 450			493	482	216	228	686	274	287	163	180	230	kg.	3.9	5.9	20.2	26.2
in. 24	30501-24	30601-24	25.4	25.1	8.5	9.0	33.0	11.5	12.0	8.5	7.0	9.0	lb.	10.5	16.2	52.0	69.0
mm 600			645	638	216	228	838	292	305	216	180	230	kg.	4.8	7.4	23.6	31.4
in. 30	30501-30	30601-30	31.5	31.1	8.5	9.0	39.0	12.2	12.7	10.6	7.0	9.0	lb.	12.4	19.4	64.0	85.0
mm 750			800	790	216	228	991	310	323	269	180	230	kg.	5.6	8.8	29.1	38.6
in. 36	30501-36	30601-36	37.5	37.2	8.5	9.0	45.0	13.0	13.4	12.7	7.0	9.0	lb.	14.3	22.6	73.0	98.0
mm 900			953	945	216	228	1143	330	340	323	180	230	kg.	6.5	10.3	33.2	44.5
in. 42	30501-42	30601-42	43.6	43.2	8.9	9.4	51.0	14.1	14.6	14.8	8.0	10.0	lb.	16.2	25.8	86.0	115.0
mm 1050			1107	1097	226	239	1295	358	371	376	200	254	kg.	7.4	11.7	39.1	52.2
in. 48	30501-48	30601-48	49.6	49.3	8.9	9.4	57.0	14.8	15.3	16.9	8.0	10.0	lb.	18.1	28.9	95.0	130.4
mm 1200			1260	1252	226	239	1448	376	389	429	200	254	kg.	8.2	13.1	43.2	59.2
in. 54	30501-54	30601-54	55.6	55.3	9.0	9.5	63.0	15.7	16.2	19.0	9.0	11.0	lb.	20.0	32.0	112.0	148.0
mm 1400			1412	1405	228	240	1600	399	412	483	230	280	kg.	9.1	14.5	50.9	67.2
in. 60	30501-60	30601-60	61.7	61.4	9.0	9.5	69.0	16.4	16.9	21.1	9.0	11.0	lb.	21.9	35.1	122.0	162.0
mm 1500			1567	1560	228	240	1753	417	429	536	230	280	kg.	10.0	16.0	55.5	73.6

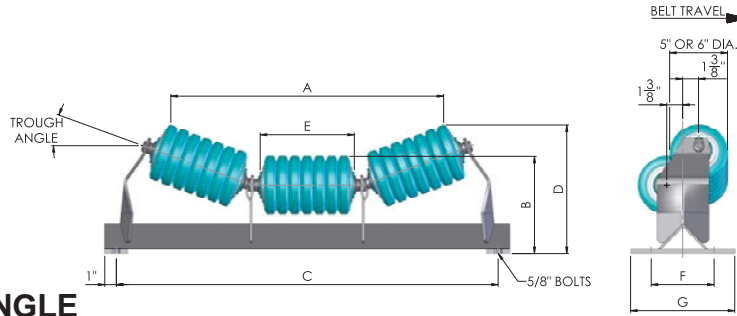
## 35° TROUGHING ANGLE

Belt Width	Model Number		A				C	D		E	F	G	Weight Units	Weights			
	5" Roll	6" Roll	5" Roll	6" Roll	5" Roll	6" Roll		5" Roll	6" Roll					Roll Each		Idler Assy	
														5" Roll	6" Roll	5" Roll	6" Roll
in. 18	30502-18	30602-18	18.0	17.4	8.5	9.0	27.0	12.3	12.8	6.4	7.0	9.0	lb.	8.6	13.0	46.4	59.6
mm 450			457	446	216	228	686	313	325	163	180	230	kg.	3.9	5.9	21.1	27.1
in. 24	30502-24	30602-24	23.3	22.7	8.5	9.0	33.0	13.6	14.0	8.5	7.0	9.0	lb.	10.5	16.2	56.0	73.2
mm 600			591	577	216	228	838	346	356	216	180	230	kg.	4.8	7.4	25.4	33.2
in. 30	30502-30	30602-30	28.8	28.3	8.5	9.0	39.0	14.8	15.2	10.6	7.0	9.0	lb.	12.4	19.4	68.0	89.0
mm 750			732	720	216	228	991	376	386	269	180	230	kg.	5.6	8.8	30.9	40.5
in. 36	30502-36	30602-36	34.4	33.8	8.5	9.0	45.0	16.0	16.4	12.7	7.0	9.0	lb.	14.3	22.6	76.0	101.0
mm 900			874	859	216	228	1143	407	417	323	180	230	kg.	6.5	10.3	34.5	46.0
in. 42	30502-42	30602-42	40.0	39.3	8.9	9.4	51.0	17.6	18.0	14.8	8.0	10.0	lb.	16.2	25.8	91.0	120.0
mm 050			1016	998	226	239	1295	447	457	376	200	254	kg.	7.4	11.7	41.4	55.0
in. 48	30502-48	30602-48	45.5	45.0	8.9	9.4	57.0	18.8	19.2	16.9	8.0	10.0	lb.	18.1	28.9	100.0	132.0
mm 200			1156	1143	226	239	1448	478	488	429	200	254	kg.	8.2	13.1	45.4	60.0
in. 54	30502-54	30602-54	51.0	50.4	9.0	9.5	63.0	20.2	20.6	19.0	9.0	11.0	lb.	20.0	32.0	118.0	154.0
mm 1400			1296	1280	228	240	1600	513	523	483	230	280	kg.	9.1	14.5	53.6	70.0
in. 60	30502-60	30602-60	56.5	56.0	9.0	9.5	69.0	21.4	21.8	21.1	9.0	11.0	lb.	21.9	35.1	128.0	168.0
mm 1500			1435	1423	228	240	1753	544	554	536	230	280	kg.	10.0	16.0	58.2	76.4

## 45° TROUGHING ANGLE

Belt Width	Model Number		A				C	D		E	F	G	Weight Units	Weights			
	5" Roll	6" Roll	5" Roll	6" Roll	5" Roll	6" Roll		5" Roll	6" Roll					Roll Each		Idler Assy	
														5" Roll	6" Roll	5" Roll	6" Roll
in. 18	30503-18	30603-18	16.2	15.5	8.5	9.0	27.0	13.3	13.6	6.4	7.0	9.0	lb.	8.6	13.0	48.4	61.6
mm 450			412	394	216	228	686	338	345	163	180	230	kg.	3.9	5.9	22.0	28.0
in. 24	30503-24	30603-24	21.3	20.6	8.5	9.0	33.0	14.7	15.1	8.5	7.0	9.0	lb.	10.5	16.2	58.0	74.6
mm 600			541	523	216	228	838	373	384	216	180	230	kg.	4.8	7.4	26.4	33.8
in. 30	30503-30	30603-30	26.4	25.7	8.5	9.0	39.0	16.2	16.6	10.6	7.0	9.0	lb.	12.4	19.4	70.0	91.0
mm 750			671	653	216	228	991	412	422	269	180	230	kg.	5.6	8.8	31.8	41.4
in. 36	30503-36	30603-36	31.4	31.0	8.5	9.0	45.0	17.7	18.1	12.7	7.0	9.0	lb.	14.3	22.6	79.0	103.0
mm 900			798	787	216	228	1143	450	451	323	180	230	kg.	6.5	10.3	35.9	46.7
in. 42	30503-42	30603-42	36.5	35.8	8.9	9.4	51.0	19.6	20.0	14.8	8.0	10.0	lb.	16.2	25.8	93.0	122.0
mm 1050			927	909	226	239	1295	498	508	376	200	254	kg.	7.4	11.7	42.3	55.4
in. 48	30503-48	30603-48	41.6	41.0	8.9	9.4	57.0	21.1	21.4	16.9	8.0	10.0	lb.	18.1	28.9	103.0	135.0
mm 1200			1057	1041	226	239	1448	536	544	429	200	254	kg.	8.2	13.1	46.8	61.4
in. 54	30503-54	30603-54	46.7	46.0	9.0	9.5	63.0	22.7	23.1	19.0	9.0	11.0	lb.	20.0	32.0	120.0	156.0
mm 1400			1186	1168	228	240	1600	577	587	483	230	280	kg.	9.1	14.5	54.5	70.9
in. 60	30503-60	30603-60	51.7	51.0	9.0	9.5	69.0	24.2	24.6	21.1	9.0	11.0	lb.	21.9	35.1	131.0	170.0
mm 500			1313	1296	228	240	1753	615	625	536	230	280	kg.	10.0	16.0	59.5	77.3

Dimensions subject to change. Use certified drawings only.



**20° TROUGHING ANGLE**

Belt Width	Model Number		A		B		C	D		E	F	G	Weight Units	Weights			
	5" Roll	6" Roll	5" Roll	6" Roll	5" Roll	6" Roll		5" Roll	6" Roll					Roll Each		Idler Assy	
														5" Roll	6" Roll	5" Roll	6" Roll
in. 18	30511-18	30611-18	18.7	18.4	8.5	9.0	27.0	10.7	11.2	6.0	7.0	9.0	lb.	9.5	10.3	47.1	49.5
mm 450			475	467	216	228	686	272	285	152	180	230	kg.	4.3	4.7	21.4	22.5
in. 24	30511-24	30611-24	24.6	24.3	8.5	9.0	33.0	11.4	11.8	8.1	7.0	9.0	lb.	12.5	13.8	58.0	62.0
mm 600			625	617	216	228	838	290	300	206	180	230	kg.	5.7	6.3	26.3	28.1
in. 30	30511-30	30611-30	30.6	30.3	8.5	9.0	39.0	12.1	12.5	10.2	7.0	9.0	lb.	15.5	17.3	73.3	79.0
mm 750			777	770	216	228	991	307	318	259	180	230	kg.	7.0	7.8	33.3	36.0
in. 36	30511-36	30611-36	36.5	36.2	8.5	9.0	45.0	12.8	13.2	12.3	7.0	9.0	lb.	18.5	20.8	86.0	93.0
mm 900			927	920	216	228	1143	325	335	312	180	230	kg.	8.4	9.4	39.0	42.2
in. 42	30511-42	30611-42	42.5	42.2	8.9	9.4	51.0	13.9	14.3	14.4	8.0	10.0	lb.	21.5	24.3	102.0	110.0
mm 1050			1080	1072	226	239	1295	353	363	366	200	254	kg.	9.6	11.0	46.3	50.0
in. 48	30511-48	30611-48	48.4	48.1	8.9	9.4	57.0	14.6	15.0	16.5	8.0	10.0	lb.	24.5	27.8	114.0	124.0
mm 1200			1229	1222	226	239	1448	370	381	419	200	254	kg.	11.1	12.6	52.0	56.3
in. 54	30511-54	30611-54	54.4	54.1	9.0	9.5	63.0	15.5	15.9	18.6	9.0	11.0	lb.	27.5	31.3	135.0	146.0
mm 1400			1382	1374	228	240	1600	394	404	472	230	280	kg.	12.5	14.2	61.3	66.2
in. 60	30511-60	30611-60	61.3	61.0	9.0	9.5	69.0	16.3	16.8	20.7	9.0	11.0	lb.	30.5	34.8	148.0	161.0
mm 1500			1557	1550	228	240	1753	414	427	526	230	280	kg.	13.8	15.8	67.2	73.0

**35° TROUGHING ANGLE**

Belt Width	Model Number		A		B		C	D		E	F	G	Weight Units	Weights			
	5" Roll	6" Roll	5" Roll	6" Roll	5" Roll	6" Roll		5" Roll	6" Roll					Roll Each		Idler Assy	
														5" Roll	6" Roll	5" Roll	6" Roll
in. 18	30512-18	30612-18	17.5	16.6	8.5	9.0	27.0	13.3	12.6	6.0	7.0	9.0	lb.	9.5	10.3	49.1	51.5
mm 450			445	422	216	228	686	338	320	152	180	230	kg.	4.3	4.7	22.3	23.4
in. 24	30512-24	30612-24	22.6	22.3	8.5	9.0	33.0	13.3	13.7	8.1	7.0	9.0	lb.	12.5	13.8	62.0	66.0
mm 600			574	566	216	228	838	338	348	206	180	230	kg.	5.7	6.3	28.1	30.0
in. 30	30512-30	30612-30	28.1	27.5	8.5	9.0	39.0	14.5	14.9	10.2	7.0	9.0	lb.	15.5	17.3	77.3	83.0
mm 750			714	699	216	228	991	368	379	259	180	230	kg.	7.0	7.8	35.0	38.0
in. 36	30512-36	30612-36	33.5	33.0	8.5	9.0	45.0	15.7	16.1	12.3	7.0	9.0	lb.	18.5	20.8	89.0	95.5
mm 900			851	838	216	228	1143	399	409	312	180	230	kg.	8.4	9.4	40.4	43.3
in. 42	30512-42	30612-42	39.0	38.4	8.9	9.4	51.0	17.3	17.7	14.4	8.0	10.0	lb.	21.5	24.3	107.0	115.3
mm 1050			991	975	226	239	1295	439	450	366	200	254	kg.	9.6	11.0	48.5	52.3
in. 48	30512-48	30612-48	44.4	43.9	8.9	9.4	57.0	18.4	18.8	16.5	8.0	10.0	lb.	24.5	27.8	119.2	129.1
mm 1200			1128	1115	226	239	1448	467	477	419	200	254	kg.	11.1	12.6	54.2	58.6
in. 54	30512-54	30612-54	50.0	49.3	9.0	9.5	63.0	19.8	20.2	18.6	9.0	11.0	lb.	27.5	31.3	131.2	142.0
mm 1400			1270	1252	228	240	1600	503	513	472	230	280	kg.	12.5	14.2	60.0	69.0
in. 60	30512-60	30612-60	56.2	55.6	9.0	9.5	69.0	21.2	21.6	20.7	9.0	11.0	lb.	30.5	34.8	154.0	167.0
mm 1500			1428	1412	228	240	1753	539	549	526	230	280	kg.	13.8	15.8	70.0	76.0

**45° TROUGHING ANGLE**

Belt Width	Model Number		A		B		C	D		E	F	G	Weight Units	Weights			
	5" Roll	6" Roll	5" Roll	6" Roll	5" Roll	6" Roll		5" Roll	6" Roll					Roll Each		Idler Assy	
														5" Roll	6" Roll	5" Roll	6" Roll
in. 18	30513-18	30613-18	15.7	15.0	8.5	9.0	27.0	13.0	13.3	6.0	7.0	9.0	lb.	9.5	10.3	51.1	53.5
mm 450			399	381	216	228	686	330	338	152	180	230	kg.	4.3	4.7	23.2	24.3
in. 24	30513-24	30613-24	20.7	20.0	8.5	9.0	33.0	14.4	14.8	8.1	7.0	9.0	lb.	12.5	13.8	63.5	67.4
mm 600			526	508	216	228	838	366	376	206	180	230	kg.	5.7	6.3	29.0	30.5
in. 30	30513-30	30613-30	25.7	25.0	8.5	9.0	39.0	15.9	16.2	10.2	7.0	9.0	lb.	15.5	17.3	79.3	85.0
mm 750			653	635	216	228	991	404	412	259	180	230	kg.	7.0	7.8	36.0	38.6
in. 36	30513-36	30613-36	30.7	30.0	8.5	9.0	45.0	17.3	17.7	12.3	7.0	9.0	lb.	18.5	20.8	91.0	97.5
mm 900			780	762	216	228	1143	439	450	312	180	230	kg.	8.4	9.4	42.3	32.5
in. 42	30513-42	30613-42	35.7	35.0	8.9	9.4	51.0	19.2	19.5	14.4	8.0	10.0	lb.	21.5	24.3	109	117.3
mm 1050			907	889	226	239	1295	488	495	366	200	254	kg.	9.6	11.0	49.5	53.0
in. 48	30513-48	30613-48	40.7	40.0	8.9	9.4	57.0	20.6	21.0	16.5	8.0	10.0	lb.	24.5	27.8	121.5	131.4
mm 1200			1034	1016	226	239	1448	523	533	419	200	254	kg.	11.1	12.6	55.1	60.0
in. 54	30513-54	30613-54	45.7	45.0	9.0	9.5	63.0	22.3	22.6	18.6	9.0	11.0	lb.	27.5	31.3	142.5	154.0
mm 1400			1161	1143	228	240	1600	566	574	472	230	280	kg.	12.5	14.2	65.0	70.0
in. 60	30513-60	30613-60	51.4	50.7	9.0	9.5	69.0	24.1	24.4	20.7	9.0	11.0	lb.	30.5	34.8	156.2	169.1
mm 1500			1306	1288	228	240	1753	612	620	526	230	280	kg.	13.8	15.8	71.0	77.0

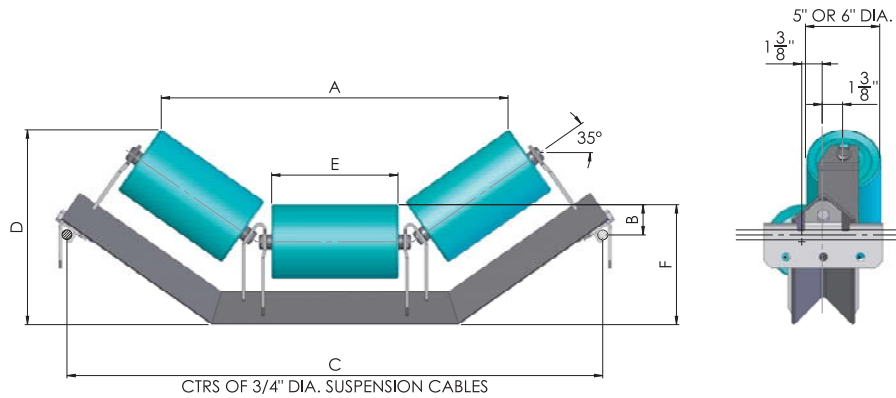
Dimensions subject to change. Use certified drawings only.



# TROUGHING IDLERS: 35° Cable suspended Troughing Idler

5 inch and 6 inch diameter rolls / 25 mm shaft diameter

**30000 Series**  
CEMA C

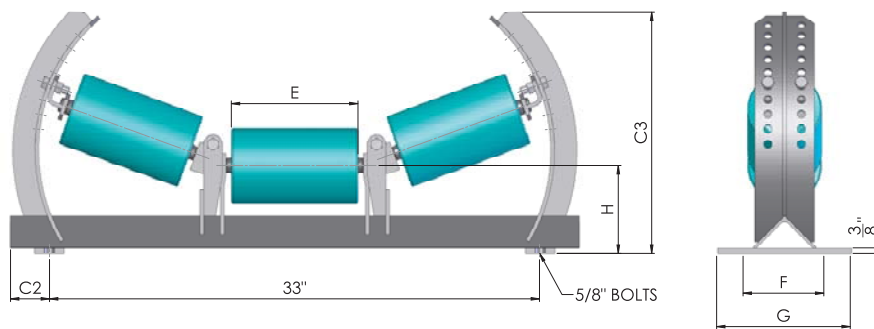


Belt	Model Number		A		B		C	D		E	F		Weight Units	Weight Rotating Parts		Total Weight	
	5" Roll	6" Roll	5" Roll	6" Roll	5" Roll	6" Roll		5" Roll	6" Roll		5" Roll	6" Roll		5" Roll	6" Roll	5" Roll	6" Roll
in. 18 mm 450	30592-18	30692-18	17.7 450	17.2 437	3.5 89	4.1 104	30.0 762	11.9 302	12.3 312	6.4 163	8.2 207	8.7 220	lb. kg.	22.4 10.0	28.6 13.0	43.8 20.0	47.5 22.0
in. 24 mm 600	30592-24	30692-24	23.3 592	22.7 577	2.2 56	2.7 68	36.0 914	13.3 338	13.8 350	8.5 216	8.2 207	8.7 220	lb. kg.	26.4 12.0	34.0 15.0	51.6 23.0	59.2 27.0
in. 30 mm 750	30592-30	30692-30	28.8 731	28.2 716	0.8 21	1.3 33	42.0 1067	14.5 368	15.0 381	10.6 269	8.2 207	8.7 220	lb. kg.	30.4 14.0	39.4 18.0	59.6 27.0	68.8 31.0
in. 36* mm 900	30592-36	30692-36	34.3 871	33.8 858	0.5 13	0.03 0.8	48.0 1214	15.7 399	16.2 412	12.7 323	8.2 207	8.7 220	lb. kg.	34.5 16.0	44.8 20.0	67.9 31.0	78.2 35.0
in. 42* mm 1050	30592-42	30692-42	39.9 1013	39.3 998	1.9 48	1.4 36	54.0 1372	17.5 445	18.0 457	14.8 376	8.2 207	8.7 220	lb. kg.	38.5 17.0	50.2 23.0	82.0 37.0	94.0 43.0
in. 48* mm 1200	30592-48	30692-48	45.4 1153	44.9 1140	3.3 84	2.7 69	60.0 1524	18.5 470	19.0 483	16.9 429	8.2 207	8.7 220	lb. kg.	42.5 19.0	55.6 25.0	90.7 41.0	106.8 48.0
in. 54* mm 1400	30592-54	30692-54	50.9 1293	50.4 1280	4.6 117	4.1 104	66.0 1676	19.9 505	20.4 578	19.0 483	8.2 207	8.7 220	lb. kg.	46.5 21.0	61.0 28.0	109.5 50.0	124.0 56.0

\*Denotes suspension cable above belt line

## ADJUSTABLE TROUGH IDLER 0-45°

5 inch and 6 inch diameter rolls / 25 mm shaft diameter



Belt Width	Model Number		A	F	G	H	C2	C3	E
	5" Roll	6" Roll							
in. 24 mm 610	30500-24 ADJ	30600-24 ADJ	33.0 838	7.0 178	9.0 229	6.0 152	2.6 67	16.6 422	8.5 216
in. 30 mm 750	30500-30 ADJ	30600-30 ADJ	39.0 991	7.0 178	9.0 229	6.0 152	2.8 71	18.1 460	10.6 269
in. 36 mm 900	30500-36 ADJ	30600-36 ADJ	45.0 1143	7.0 178	9.0 229	6.0 152	3.0 76	19.6 498	12.7 323
in. 42 mm 1050	30500-42 ADJ	30600-42 ADJ	51.0 1295	8.0 203	10.0 254	6.5 165	3.4 86	21.5 546	14.8 376
in. 48 mm 1200	30500-48 ADJ	30600-48 ADJ	57.0 1448	8.0 203	10.0 254	6.5 165	3.5 89	23.0 584	16.9 429
in. 54 mm 1400	30500-54 ADJ	30600-54 ADJ	63.0 1600	9.0 229	11.0 279	6.5 165	3.9 98	24.5 662	19.0 483
in. 60 mm 1500	30500-60 ADJ	30600-60 ADJ	69.0 1753	9.0 229	11.0 279	6.5 165	4.1 103	26.0 660	21.1 536

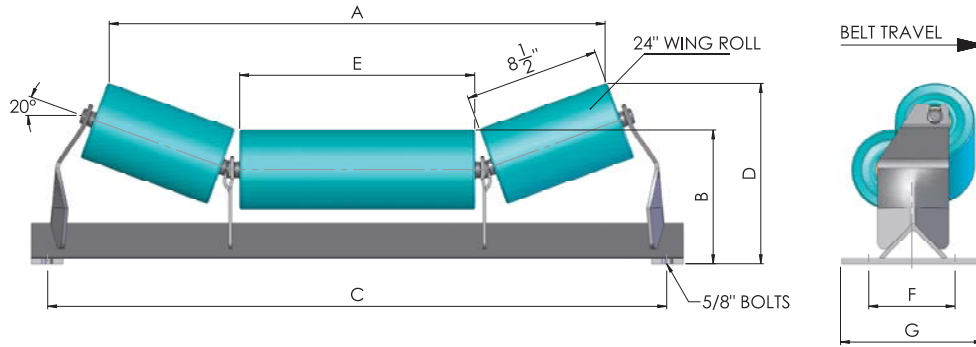
Dimensions subject to change. Use certified drawings only.

# 20° PICKING IDLER

5 inch and 6 inch diameter rolls / 25 mm shaft diameter

30000 Series

CEMA C

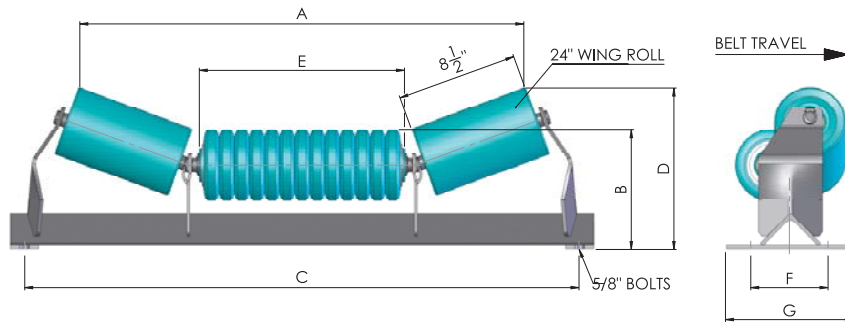


## STEEL CENTRE ROLL

Belt Width	Model Number		Centre Roll		A		B		C	D		E	F	G	Weight Units	Weight		Frame Only Weight
	5" Roll	6" Roll	5" Roll	6" Roll	5" Roll	6" Roll	5" Roll	6" Roll		5" Roll	6" Roll					5" Roll	6" Roll	
in. 30 mm 750	30571-30	30671-30	30500-42	30600-42	32.3 819	31.9 810	8.5 216	9.0 229	39.0 991	11.6 292	12.1 309	14.8 376	7.0 179	9.0 229	lb. kg.	64.0 29.1	85.0 38.6	26.7 12.0
in. 36 mm 900	30571-36	30671-36	30500-60	30600-60	32.3 819	38.1 987	8.5 216	9.0 229	45.0 1143	11.6 292	12.1 309	21.1 536	7.0 179	9.0 229	lb. kg.	73.0 33.2	97.0 44.1	29.1 13.0
in. 42 mm 1050	30571-42	30671-42	30529-24	30629-24	45.8 1162	45.4 1152	9.0 229	9.5 241	51.0 1295	12.0 305	12.5 318	28.5 724	8.0 203	10.0 254	lb. kg.	86.0 39.1	114.0 51.8	36.4 16.0
in. 48 mm 1200	30571-48	30671-48	30529-30	30629-30	51.8 1315	51.4 1305	9.0 229	9.5 241	57.0 1448	12.0 305	12.5 318	34.5 876	8.0 203	10.0 254	lb. kg.	95.0 43.2	127.0 57.7	39.3 18.0
in. 54 mm 1400	30571-54	30671-54	30529-36	30629-36	57.8 1467	57.4 1457	9.0 229	9.5 241	63.0 1600	12.0 305	12.5 318	40.5 1029	9.0 229	11.0 279	lb. kg.	112.0 50.9	148.0 67.3	50.4 23.0
in. 60 mm 1500	30571-60	30671-60	30529-42	30629-42	63.8 1619	63.4 1610	9.0 229	9.5 241	69.0 1753	12.0 305	12.5 318	46.5 1181	9.0 229	11.0 279	lb. kg.	112.0 55.5	162.0 73.6	54.0 25.0
in. 72 mm 1800	30571-72	30671-72	30529-54	30629-54	75.8 1924	75.4 1915	9.3 235	9.8 248	81.0 2057	12.3 313	12.8 325	58.5 486	9.0 229	11.0 279	lb. kg.	142.0 68.9	190.0 86.2	73.0 33.0

# 20° PICKING IMPACT IDLER

5 inch and 6 inch diameter rolls / 25 mm shaft diameter



## RUBBER CENTRE ROLL

Belt Width	Model Number		Centre Roll		A		B		C	D		E	F	G	Weight Units	Weight		Frame Only Weight
	5" Roll	6" Roll	5" Roll	6" Roll	5" Roll	6" Roll	5" Roll	6" Roll		5" Roll	6" Roll					5" Roll	6" Roll	
in. 30 mm 750	30581-30	30681-30	30510-42	30610-42	32.3 819	31.9 810	8.5 216	9.0 229	39.0 991	11.6 292	12.1 309	14.4 366	7.0 179	9.0 229	lb. kg.	72.0 32.6	82.0 37.2	26.7 12.0
in. 36 mm 900	30581-36	30681-36	30510-60	30610-60	32.3 819	38.1 987	8.5 216	9.0 229	45.0 1143	11.6 292	12.1 309	20.7 526	7.0 179	9.0 229	lb. kg.	82.0 37.2	95.0 43.1	29.1 13.0
in. 42 mm 1050	30581-42	30681-42	30539-24 SR	30639-24 SR	45.8 1162	45.4 1152	9.0 229	9.5 241	51.0 1295	12.0 305	12.5 318	28.0 711	8.0 203	10.0 254	lb. kg.	95.0 43.1	112.0 50.8	36.4 16.0
in. 48 mm 1200	30581-48	30681-48	30539-30 SR	30639-30 SR	51.8 1315	51.4 1305	9.0 229	9.5 241	57.0 1448	12.0 305	12.5 318	34.0 864	8.0 203	10.0 254	lb. kg.	104.0 47.2	125.0 56.7	39.3 18.0
in. 54 mm 1400	30581-54	30681-54	30539-36 SR	30639-36 SR	57.8 1467	57.4 1457	9.0 229	9.5 241	63.0 1600	12.0 305	12.5 318	40.0 1016	9.0 229	11.0 279	lb. kg.	121.0 54.9	145.0 65.8	50.4 23.0
in. 60 mm 1500	30581-60	30681-60	30539-42 SR	30639-42 SR	63.8 1619	63.4 1610	9.0 229	9.5 241	69.0 1753	12.0 305	12.5 318	46.0 1168	9.0 229	11.0 279	lb. kg.	131.0 59.4	160.0 72.6	54.0 25.0
in. 72 mm 1800	30581-72	30681-72	30539-54 SR	30639-54 SR	75.8 1924	75.4 1915	9.3 235	9.8 248	81.0 2057	12.3 313	12.8 325	58.0 1473	9.0 229	11.0 279	lb. kg.	151.0 68.5	188.0 85.3	73.0 33.0

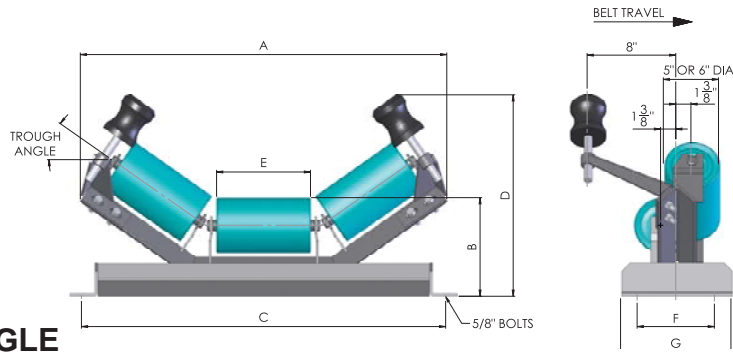
Dimensions subject to change. Use certified drawings only.

# SELF-TRAINING TROUGHING IDLERS

5 inch and 6 inch diameter rolls / 25 mm shaft diameter

30000 Series

CEMA C



## 20° TROUGHING ANGLE

Belt Width	Model Number		A	B		C	D	E	F	G	Weight Units	Weights			
	5" Roll	6" Roll		5" Roll	6" Roll							Roll Each		Idler Assy	
												5" Roll	6" Roll	5" Roll	6" Roll
in. 18	30541-18	30641-18	26.6	9.0	9.5	27.0	14.0	6.4	7.0	10.0	lb.	8.6	13.0	71.8	85.0
mm 450			675	228	240	686	355	163	178	254	kg.	3.9	5.9	32.6	36.6
in. 24	30541-24	30641-24	32.6	9.0	9.5	33.0	16.3	8.5	7.0	10.0	lb.	10.5	16.2	83.0	100.0
mm 600			828	228	240	838	413	216	178	254	kg.	4.8	7.4	37.7	45.5
in. 30	30541-30	30641-30	38.7	9.0	9.5	39.0	17.0	10.6	7.0	10.0	lb.	12.4	19.4	92.0	113.0
mm 750			982	228	240	991	431	269	178	254	kg.	5.6	8.8	41.8	51.4
in. 36	30541-36	30641-36	44.7	9.0	9.5	45.0	17.7	12.7	7.0	10.0	lb.	14.3	22.6	103.0	127.0
mm 900			1135	228	240	1143	450	323	178	254	kg.	6.5	10.3	46.8	57.7
in. 42	30541-42	30641-42	52.0	9.5	10.0	51.0	18.8	14.8	8.0	11.0	lb.	16.2	25.8	128.0	156.0
mm 1050			1320	240	254	1295	478	376	203	279	kg.	7.4	11.7	58.2	70.9
in. 48	30541-48	30641-48	58.0	9.5	10.0	57.0	19.5	16.9	8.0	11.0	lb.	18.1	28.9	139.0	173.2
mm 1200			1474	240	254	1448	496	429	203	279	kg.	8.2	13.1	63.2	78.6
in. 54	30541-54	30641-54	64.07	9.5	10.0	63.0	20.4	19.0	9.0	12.0	lb.	20.0	32.0	159.0	195.0
mm 1400			1628	240	254	1600	518	483	229	305	kg.	9.1	14.0	72.3	88.6
in. 60	30541-60	30641-60	70.6	9.5	10.0	69.0	21.1	21.1	9.0	12.0	lb.	21.9	35.1	171.0	210.0
mm 1500			1793	240	254	1753	537	536	229	305	kg.	10.0	16.0	77.7	95.5

## 35° TROUGHING ANGLE

Belt Width	Model Number		A	B		C	D	E	F	G	Weight Units	Weights			
	5" Roll	6" Roll		5" Roll	6" Roll							Roll Each		Idler Assy	
												5" Roll	6" Roll	5" Roll	6" Roll
in. 18	30542-18	30642-18	28.4	9.0	9.5	27.0	15.7	6.4	7.0	10.0	lb.	8.6	13.0	72.8	86.0
mm 450			721	228	240	686	399	163	178	254	kg.	3.9	5.9	33.1	39.1
in. 24	30542-24	30642-24	34.0	9.0	9.5	33.0	18.8	8.5	7.0	10.0	lb.	10.5	16.2	84.0	101.0
mm 600			862	228	240	838	476	216	178	254	kg.	4.8	7.4	38.2	45.9
in. 30	30542-30	30642-30	39.5	9.0	9.5	39.0	20.0	10.6	7.0	10.0	lb.	12.4	19.4	93.0	114.0
mm 750			1003	228	240	991	507	269	178	254	kg.	5.6	8.8	42.3	51.8
in. 36	30542-36	30642-36	45.0	9.0	9.5	45.0	21.2	12.7	7.0	10.0	lb.	14.3	22.6	104.0	129.0
mm 900			1143	228	240	1143	537	323	178	254	kg.	6.5	10.3	47.3	58.5
in. 42	30542-42	30642-42	52.6	9.5	10.0	51.0	22.8	14.8	8.0	11.0	lb.	16.2	25.8	129.0	158.0
mm 1050			1337	240	254	1295	578	376	203	279	kg.	7.4	11.7	58.6	71.7
in. 48	30542-48	30642-48	58.2	9.5	10.0	57.0	24.0	16.9	8.0	11.0	lb.	18.1	28.9	140.0	174.0
mm 1200			1478	240	254	1448	609	429	203	279	kg.	8.2	13.1	63.6	79.0
in. 54	30542-54	30642-54	63.7	9.5	10.0	63.0	25.3	19.0	9.0	12.0	lb.	20.0	32.0	160.0	196.0
mm 1400			1618	240	254	1600	643	483	229	305	kg.	9.1	14.0	72.7	89.1
in. 60	30542-60	30642-60	69.3	9.5	10.0	69.0	26.5	21.1	9.0	12.0	lb.	21.9	35.1	173.0	212.0
mm 1500			1759	240	254	1753	674	536	229	305	kg.	10.0	16.0	33.2	96.4

## 45° TROUGHING ANGLE

Belt Width	Model Number		A	B		C	D	E	F	G	Weight Units	Weights			
	5" Roll	6" Roll		5" Roll	6" Roll							Roll Each		Idler Assy	
												5" Roll	6" Roll	5" Roll	6" Roll
in. 18	30543-18	30643-18	28.8	9.0	9.5	27.0	16.7	6.4	7.0	10.0	lb.	8.6	13.0	73.8	87.0
mm 450			732	228	240	686	423	163	178	254	kg.	3.9	5.9	35.6	39.6
in. 24	30543-24	30643-24	34.0	9.0	9.5	33.0	20.1	8.5	7.0	10.0	lb.	10.5	16.2	85.0	102.0
mm 600			862	228	240	838	509	216	178	254	kg.	4.8	7.4	38.6	46.4
in. 30	30543-30	30643-30	39.0	9.0	9.5	39.0	21.5	10.6	7.0	10.0	lb.	12.4	19.4	94.0	115.0
mm 750			988	228	240	991	547	269	178	254	kg.	5.6	8.8	42.7	52.3
in. 36	30543-36	30643-36	44.0	9.0	9.5	45.0	23.3	12.7	7.0	10.0	lb.	14.3	22.6	105.0	129.0
mm 900			1119	228	240	1143	585	323	178	254	kg.	6.5	10.3	47.7	58.6
in. 42	30543-42	30643-42	51.6	9.5	10.0	51.0	25.0	14.8	8.0	11.0	lb.	16.2	25.8	131.0	159.0
mm 1050			1311	240	254	1295	633	376	203	279	kg.	7.4	11.7	59.5	72.3
in. 48	30543-48	30643-48	56.7	9.5	10.0	57.0	26.4	16.9	8.0	11.0	lb.	18.1	28.9	141.0	173.0
mm 1200			1441	240	254	1448	671	429	203	279	kg.	8.2	13.1	64.1	78.6
in. 54	30543-54	30643-54	61.7	9.5	10.0	63.0	28.0	19.0	9.0	12.0	lb.	20.0	32.0	161.0	197.0
mm 1400			1568	240	254	1600	712	483	229	305	kg.	9.1	14.0	73.2	89.5
in. 60	30543-60	30643-60	67.4	9.5	10.0	69.0	29.5	21.1	9.0	12.0	lb.	21.9	35.1	174.0	213.0
mm 1500			1712	240	254	1753	750	536	229	305	kg.	10.0	16.0	79.1	96.8

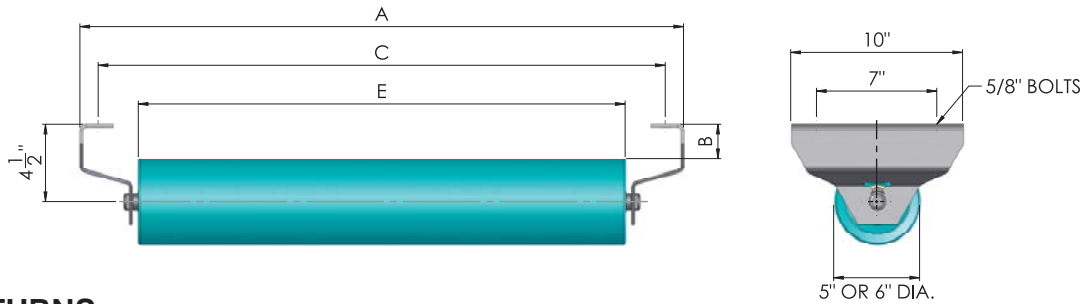
Dimensions subject to change. Use certified drawings only.

# RETURN IDLERS

5 inch and 6 inch diameter rolls / 25 mm shaft diameter

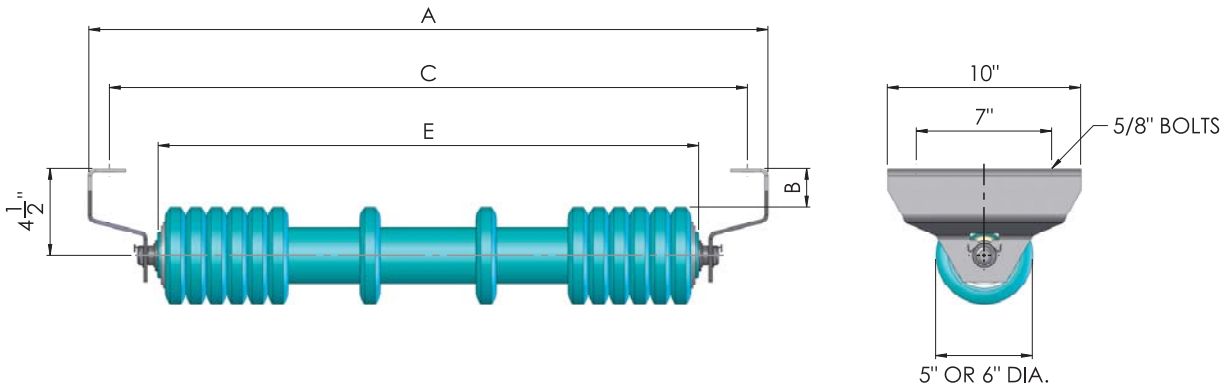
30000 Series

CEMA C



## STEEL RETURNS

Belt Width	Model Number		A	B		C	E	Weight Units	Weights			
	5" Roll	6" Roll		5" Roll	6" Roll				Roll Each		Idler Assy	
									5" Roll	6" Roll	5" Roll	6" Roll
in. 18	30520-18	30620-18	29.1	2.0	1.5	27.0	22.3	lb.	22.6	37.6	26.4	41.4
mm 450			740	51	38	686	566	kg.	10.3	17.1	12.0	18.7
in. 24	30520-24	30620-24	35.1	2.0	1.5	33.0	28.3	lb.	27.8	46.6	31.6	50.4
mm 600			892	51	38	838	719	kg.	12.6	21.2	14.3	23.0
in. 30	30520-30	30620-30	41.1	2.0	1.5	39.0	34.3	lb.	33.0	55.5	36.8	59.3
mm 750			1045	51	38	991	871	kg.	15.0	25.2	16.7	27.0
in. 36	30520-36	30620-36	47.1	2.0	1.5	45.0	40.3	lb.	38.2	64.5	42.0	68.3
mm 900			1197	51	38	1143	1024	kg.	17.4	29.3	19.0	31.0
in. 42	30520-42	30620-42	53.1	2.0	1.5	51.0	46.3	lb.	43.4	73.5	47.2	77.3
mm 1050			1349	51	38	1295	1176	kg.	19.7	33.4	21.4	35.0
in. 48	30520-48	30620-48	59.1	2.0	1.5	57.0	52.3	lb.	48.6	82.5	52.4	86.3
mm 1200			1502	51	38	1448	1328	kg.	22.1	37.5	23.6	39.1
in. 54	30520-54	30620-54	65.1	2.0	1.5	63.0	58.3	lb.	53.8	91.5	57.6	95.3
mm 1400			1654	51	38	1600	1481	kg.	24.5	41.6	26.1	43.2
in. 60	30520-60	30620-60	71.1	2.0	1.5	69.0	64.3	lb.	59.0	100.4	62.8	104.2
mm 1500			1807	51	38	1753	1633	kg.	26.8	45.6	28.5	47.3



## RUBBER DISC RETURNS

Belt Width	Model Number		A	B		C	E	Weight Units	Weights			
	5" Roll	6" Roll		5" Roll	6" Roll				Roll Each		Idler Assy	
									5" Roll	6" Roll	5" Roll	6" Roll
in. 18	30530-18	30630-18	29.1	2.0	1.5	27.0	22.0	lb.	26.7	29.1	28.1	32.9
mm 450			740	51	38	686	559	kg.	12.1	13.2	17.3	15.0
in. 24	30530-24	30630-24	35.1	2.0	1.5	33.0	28.0	lb.	31.6	34.2	35.4	38.0
mm 600			892	51	38	838	711	kg.	14.4	15.5	16.0	17.2
in. 30	30530-30	30630-30	41.1	2.0	1.5	39.0	34.0	lb.	36.5	39.2	40.3	43.0
mm 750			1045	51	38	991	864	kg.	16.6	17.8	18.3	19.5
in. 36	30530-36	30630-36	47.1	2.0	1.5	45.0	40.0	lb.	41.4	44.3	45.2	48.1
mm 900			1197	51	38	1143	1016	kg.	18.8	20.2	20.5	21.8
in. 42	30530-42	30630-42	53.1	2.0	1.5	51.0	46.0	lb.	46.3	49.4	50.1	53.2
mm 1050			1349	51	38	1295	1168	kg.	21.0	22.5	22.7	24.1
in. 48	30530-48	30630-48	59.1	2.0	1.5	57.0	52.0	lb.	51.2	54.5	55.0	58.3
mm 1200			1502	51	38	1448	1321	kg.	23.3	24.8	25.0	26.5
in. 54	30530-54	30630-54	65.1	2.0	1.5	63.0	58.0	lb.	56.2	59.6	60.0	63.4
mm 1400			1654	51	38	1600	1473	kg.	25.5	27.1	27.2	28.8
in. 60	30530-60	30630-60	71.1	2.0	1.5	69.0	64.0	lb.	61.1	64.7	65.0	68.5
mm 1500			1807	51	38	1753	1626	kg.	27.8	29.4	29.5	31.0

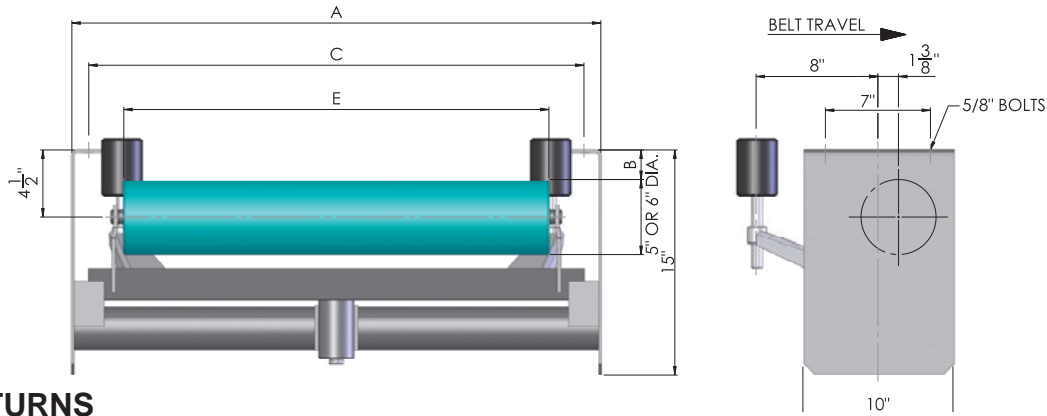
Dimensions subject to change. Use certified drawings only.

# SELF-TRAINING RETURNS

5 inch and 6 inch diameter rolls / 25 mm shaft diameter

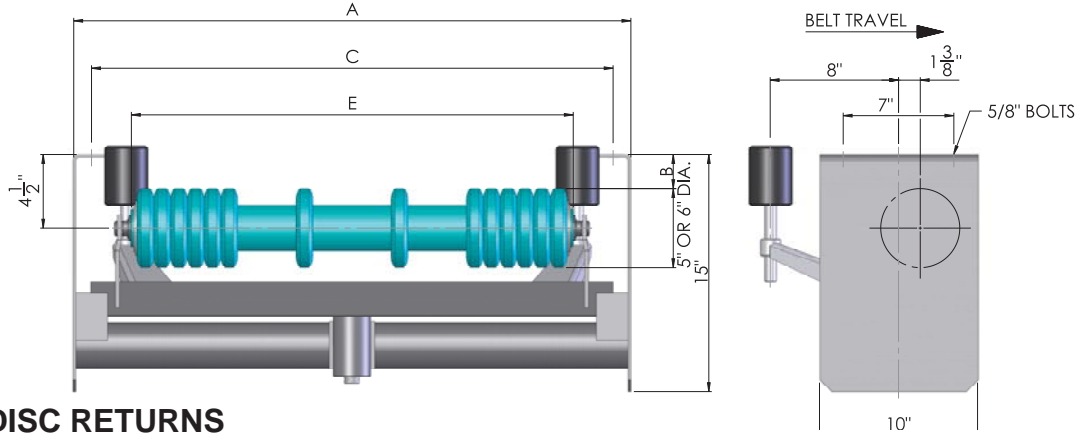
30000 Series

CEMA C



## STEEL RETURNS

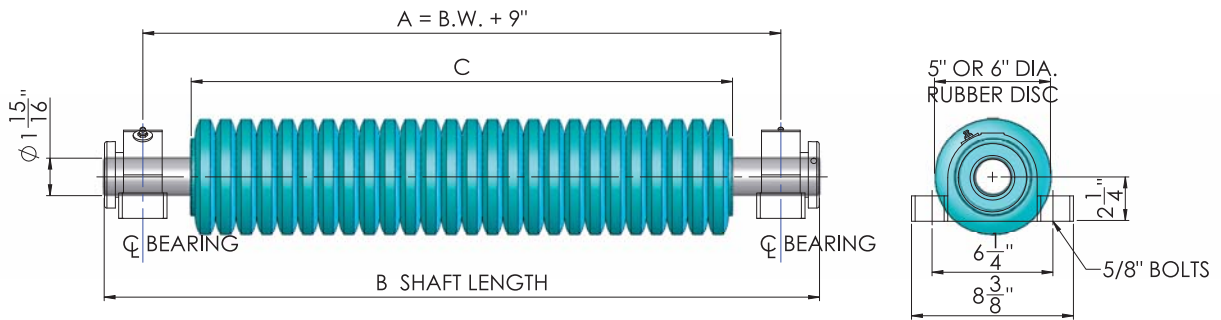
Belt Width	Model Number		A	B		C	E	Weight Units	Weights			
	5" Roll	6" Roll		5" Roll	6" Roll				Roll Each		Idler Assy	
in. 18 mm 450	30550-18	30650-18	29.3 743	2.0 51	1.5 38	27.0 686	22.3 566	lb. kg.	22.6 10.3	37.6 17.1	79.6 36.2	94.6 43.0
in. 24 mm 600	30550-24	30650-24	35.3 895	2.0 51	1.5 38	33.0 838	28.3 719	lb. kg.	27.8 12.6	46.6 21.2	90.0 41.0	109.0 49.5
in. 30 mm 750	30550-30	30650-30	41.3 1048	2.0 51	1.5 38	39.0 991	34.3 871	lb. kg.	33.0 15.0	55.5 25.2	99.0 45.0	122.0 55.5
in. 36 mm 900	30550-36	30650-36	47.3 1200	2.0 51	1.5 38	45.0 1143	40.3 1024	lb. kg.	38.2 17.4	64.5 29.3	109.0 49.5	136.0 61.8
in. 42 mm 1050	30550-42	30650-42	53.3 1353	2.0 51	1.5 38	51.0 1295	46.3 1176	lb. kg.	43.4 19.7	73.5 33.4	141.0 64.1	172.0 78.2
in. 48 mm 1200	30550-48	30650-48	59.3 1505	2.0 51	1.5 38	57.0 1448	52.3 1328	lb. kg.	48.6 22.1	82.5 37.5	154.0 70.0	188.0 85.5
in. 54 mm 1400	30550-54	30650-54	65.3 1657	2.0 51	1.5 38	63.0 1600	58.3 1481	lb. kg.	53.8 24.5	91.5 41.6	165.0 75.0	203.0 92.3
in. 60 mm 1500	30550-60	30650-60	71.3 1810	2.0 51	1.5 38	69.0 1753	64.3 1633	lb. kg.	59.0 26.8	100.4 45.6	177.0 80.5	218.0 99.1



## RUBBER DISC RETURNS

Belt Width	Model Number		A	B		C	E	Weight Units	Weights			
	5" Roll	6" Roll		5" Roll	6" Roll				Roll Each		Idler Assy	
in. 18 mm 450	30560-18	30660-18	29.3 743	2.0 51	1.5 38	27.0 686	22.0 559	lb. kg.	26.7 12.1	29.1 13.2	83.7 38.0	86.1 39.1
in. 24 mm 600	30560-24	30660-24	35.3 895	2.0 51	1.5 38	33.0 838	28.0 711	lb. kg.	31.6 14.4	34.2 15.5	94.0 42.7	96.0 43.6
in. 30 mm 750	30560-30	30660-30	41.3 1048	2.0 51	1.5 38	39.0 991	34.0 864	lb. kg.	36.5 16.6	39.2 17.8	103.0 46.8	105.0 47.7
in. 36 mm 900	30560-36	30660-36	47.3 1200	2.0 51	1.5 38	45.0 1143	40.0 1016	lb. kg.	41.4 18.8	44.3 20.1	112.0 50.9	115.0 52.3
in. 42 mm 1050	30560-42	30660-42	53.3 1353	2.0 51	1.5 38	51.0 1295	46.0 1168	lb. kg.	46.3 21.0	49.4 22.5	144.0 65.5	147.0 68.8
in. 48 mm 1200	30560-48	30660-48	59.3 1505	2.0 51	1.5 38	57.0 1448	52.0 1321	lb. kg.	51.2 23.3	54.5 24.8	156.0 70.9	160.0 72.7
in. 54 mm 1400	30560-54	30660-54	65.3 1657	2.0 51	1.5 38	63.0 1600	58.0 1473	lb. kg.	56.2 25.5	59.6 27.1	167.0 75.9	171.0 77.7
in. 60 mm 1500	30560-60	30660-60	71.3 1810	2.0 51	1.5 38	69.0 1753	64.0 1626	lb. kg.	61.1 27.8	64.7 29.4	179.0 81.4	183.0 83.2

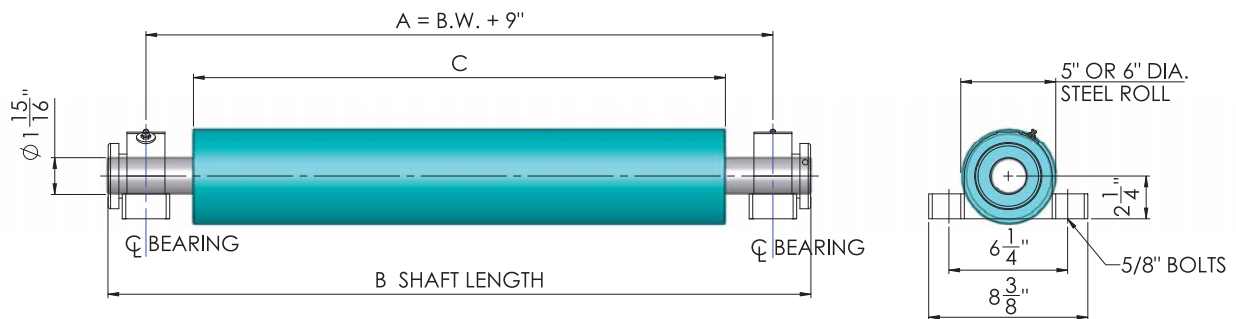
Dimensions subject to change. Use certified drawings only.



**BEARING SOLD SEPARATELY**

**RUBBER DISC ROLLS**

Belt Width	Model Number		A	B	C	Weight Units	Idler Weight	
	5" Roll	6" Roll					5" Roll	6" Roll
in. 24 mm 600	305RLS-24	306RLS-24	33.0 838	37.5 953	27.0 686	lb. kg.	66.9 30.0	71.8 33.0
in. 30 mm 750	305RLS-30	306RLS-30	39.0 991	43.5 1105	33.0 838	lb. kg.	79.8 36.0	85.8 39.0
in. 36 mm 900	305RLS-36	306RLS-36	45.0 1143	49.5 1257	39.0 990	lb. kg.	92.0 42.0	98.8 45.0
in. 42 mm 1050	305RLS-42	306RLS-42	51.0 1295	55.5 1410	45.0 1143	lb. kg.	104.9 48.0	112.8 51.0
in. 48 mm 1200	305RLS-48	306RLS-48	57.0 1448	61.5 1562	51.0 1295	lb. kg.	117.8 54.0	126.8 58.0
in. 54 mm 1400	305RLS-54	306RLS-54	63.0 1600	67.5 1715	57.0 1448	lb. kg.	129.9 59.0	139.8 63.0
in. 60 mm 1500	305RLS-60	306RLS-60	69.0 1753	73.5 1867	63.0 1600	lb. kg.	412.9 65.0	153.8 70.0



**BEARING SOLD SEPARATELY**

**STEEL ROLLS**

Belt Width	Model Number		A	B	C	Weight Units	Idler Weight	
	5" Roll	6" Roll					5" Roll	6" Roll
in. 24 mm 600	305LO-24	306LO-24	33.0 838	37.5 953	27.0 686	lb. kg.	112.9 52.0	117.9 55.0
in. 30 mm 750	305LO-30	306LO-30	39.0 991	43.5 1105	33.0 838	lb. kg.	120.5 55.0	139.4 65.0
in. 36 mm 900	305LO-36	306LO-36	45.0 1143	49.5 1257	39.0 990	lb. kg.	138.4 63.0	160.9 73.0
in. 42 mm 1050	305LO-42	306LO-42	51.0 1295	55.5 1410	45.0 1143	lb. kg.	155.7 71.0	182.0 83.0
in. 48 mm 1200	305LO-48	306LO-48	57.0 1448	61.5 1562	51.0 1295	lb. kg.	174.3 79.0	204.2 93.0
in. 54 mm 1400	305LO-54	306LO-54	63.0 1600	67.5 1715	57.0 1448	lb. kg.	185.6 84.0	223.3 101.0
in. 60 mm 1500	305LO-60	306LO-60	69.0 1753	73.5 1867	63.0 1600	lb. kg.	205.1 93.0	246.5 112.0

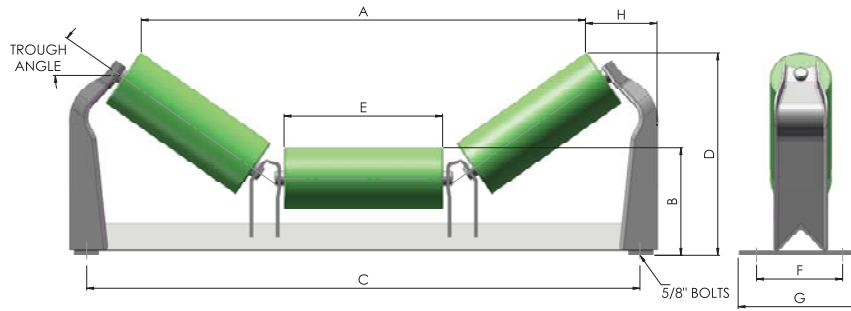
Dimensions subject to change. Use certified drawings only.

# TROUGHING IDLERS

5 inch and 6 inch diameter rolls / 25 mm shaft diameter

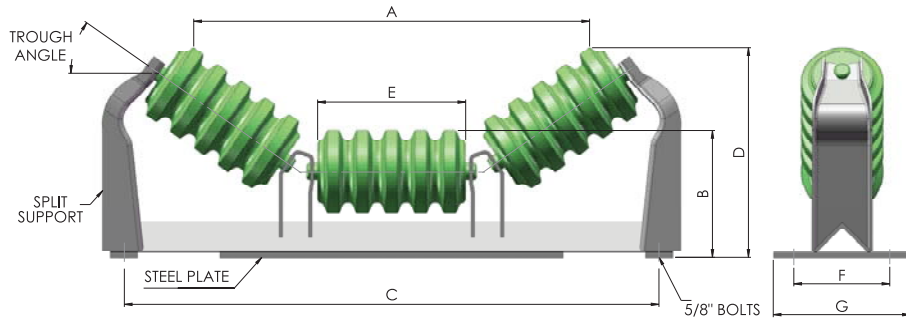
35000 Series

CEMA C



## 35° TROUGHING ANGLE (20° AND 45° ALSO AVAILABLE)

Belt Width	Model Number		A		B		C	D		E	F	G	Weight Units	Weights			
	5" Roll	6" Roll	5" Roll	6" Roll	5" Roll	6" Roll		5" Roll	6" Roll					Roll Each		Idler Assy	
														5" Roll	6" Roll	5" Roll	6" Roll
in. 36 mm 900	35502-36	35602-36	36.0 915	35.6 905	8.7 221	9.2 234	45.0 1143	16.8 427	17.3 439	12.7 323	7.0 178	10.0 254	lb. kg.	14.3 6.5	22.5 10.2	86.9 39.4	111.5 50.6
in. 42 mm 1050	35502-42	35602-42	41.8 1061	41.2 1047	9.1 231	9.6 244	51 1295	18.1 459	18.5 469	14.8 376	8.0 203	11.0 279	lb. kg.	16.2 7.4	25.6 11.6	96.4 43.7	124.6 56.5
in. 48 mm 1200	35502-48	35602-48	47.2 1199	46.7 1185	9.1 231	9.6 244	57.0 1448	19.3 490	19.7 500	16.9 429	8.0 203	11.0 279	lb. kg.	18.1 8.2	28.8 13.1	105.9 48.0	137.9 62.6
in. 54 mm 1400	35502-54	35602-54	52.8 1341	52.2 1326	9.4 239	9.9 251	63 1600	20.8 529	21.2 534	19.0 483	9.0 229	12.0 305	lb. kg.	20.0 9.1	31.9 14.5	119.7 54.3	155.4 70.5
in. 60 mm 1500	35502-60	35602-60	58.4 1482	57.8 1468	9.4 239	9.9 251	69.0 1753	22.0 560	22.5 570	21.1 536	9.0 229	12.0 305	lb. kg.	21.9 9.9	35.1 16.0	129.6 58.8	169.2 77.0
in. 72 mm 1800	35502-72	35602-72	69.4 1763	68.9 1749	9.5 241	10.0 254	81.0 2057	24.5 621	24.9 631	25.3 643	9.0 229	12.0 305	lb. kg.	25.7 11.7	41.5 18.3	149.4 67.8	196.8 89.3



## 35° TROUGHING ANGLE (20° AND 45° ALSO AVAILABLE)

Belt Width	Model Number		A		B		C	D		E	F	G	Weight Units	Weights			
	5" Roll	6" Roll	5" Roll	6" Roll	5" Roll	6" Roll		5" Roll	6" Roll					Roll Each		Idler Assy	
														5" Roll	6" Roll	5" Roll	6" Roll
in. 36 mm 900	35512-36HD	35612-36HD	36.0 915	35.6 905	8.7 221	9.2 234	45.0 1143	16.8 427	17.3 439	12.3 312	7.0 178	10.0 254	lb. kg.	18.5 8.4	20.8 9.4	99.0 44.9	105.5 41.7
in. 42 mm 1050	35512-42HD	35612-42HD	41.8 1061	41.2 1047	9.1 231	9.6 244	51 1295	18.1 459	18.5 469	14.4 366	8.0 203	11.0 279	lb. kg.	21.5 9.6	24.3 11.0	117.0 53.1	125.3 56.9
in. 48 mm 1200	35512-48HD	35612-48HD	47.2 1199	46.7 1185	9.1 231	9.6 244	57.0 1448	19.3 490	19.7 500	16.5 419	8.0 203	11.0 279	lb. kg.	24.5 11.1	27.8 12.6	129.0 58.5	139.1 63.1
in. 54 mm 1400	35512-54HD	35612-54HD	52.8 1341	52.2 1326	9.4 239	9.9 251	63 1600	20.8 529	21.2 534	18.6 472	9.0 229	12.0 305	lb. kg.	27.5 12.5	31.3 14.2	141.2 64.5	152.0 68.9
in. 60 mm 1500	35512-60HD	35612-60HD	58.4 1482	57.8 1468	9.4 239	9.9 251	69.0 1753	22.0 560	22.5 570	20.7 526	9.0 229	12.0 305	lb. kg.	30.5 13.8	34.8 15.8	164.0 74.4	177.0 80.3
in. 72 mm 1800	35512-72HD	35612-72HD	69.4 1763	68.9 1749	9.5 241	10.0 254	81.0 2057	24.5 621	24.9 631	24.9 632	9.0 229	12.0 305	lb. kg.	36.5 16.5	40.3 18.2	184.9 83.9	200.9 91.1

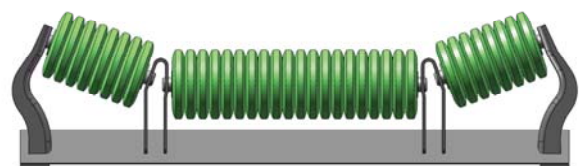
### PICKING TABLE IDLERS



35571-BW 5" IDLERS

35671-BW 6" IDLERS

### PICKING TABLE IMPACT IDLERS

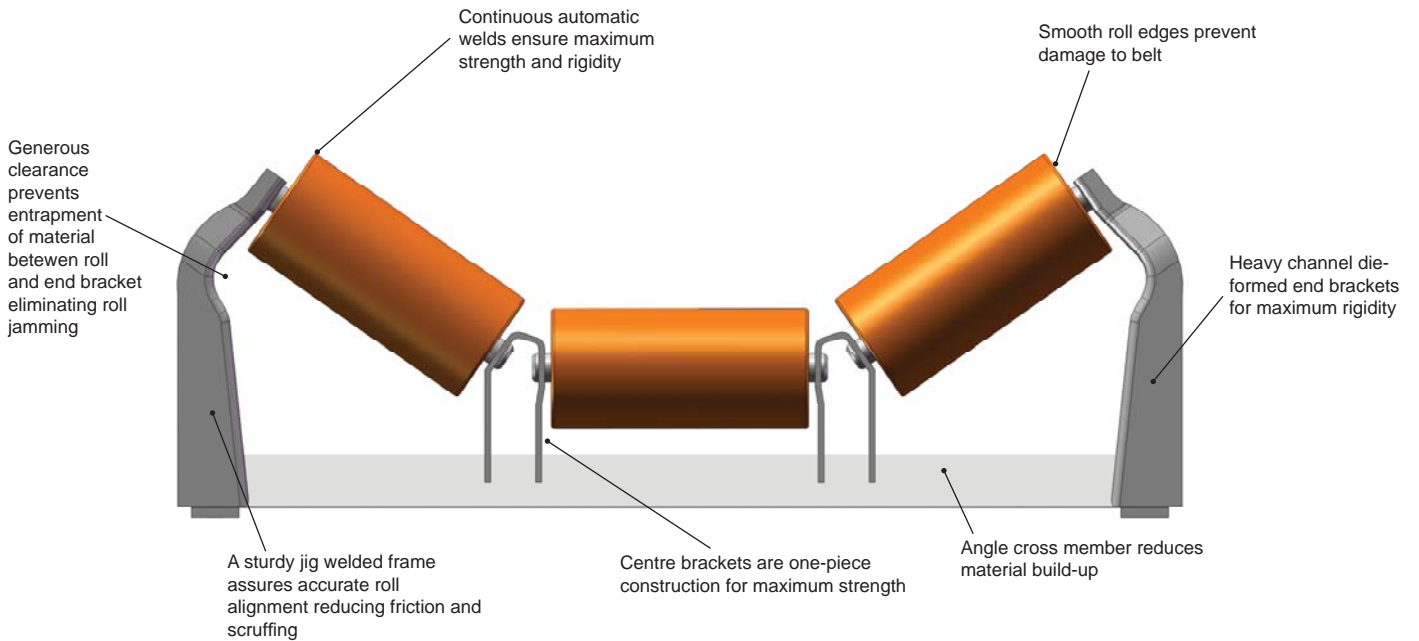


35581-BW 5" IDLERS

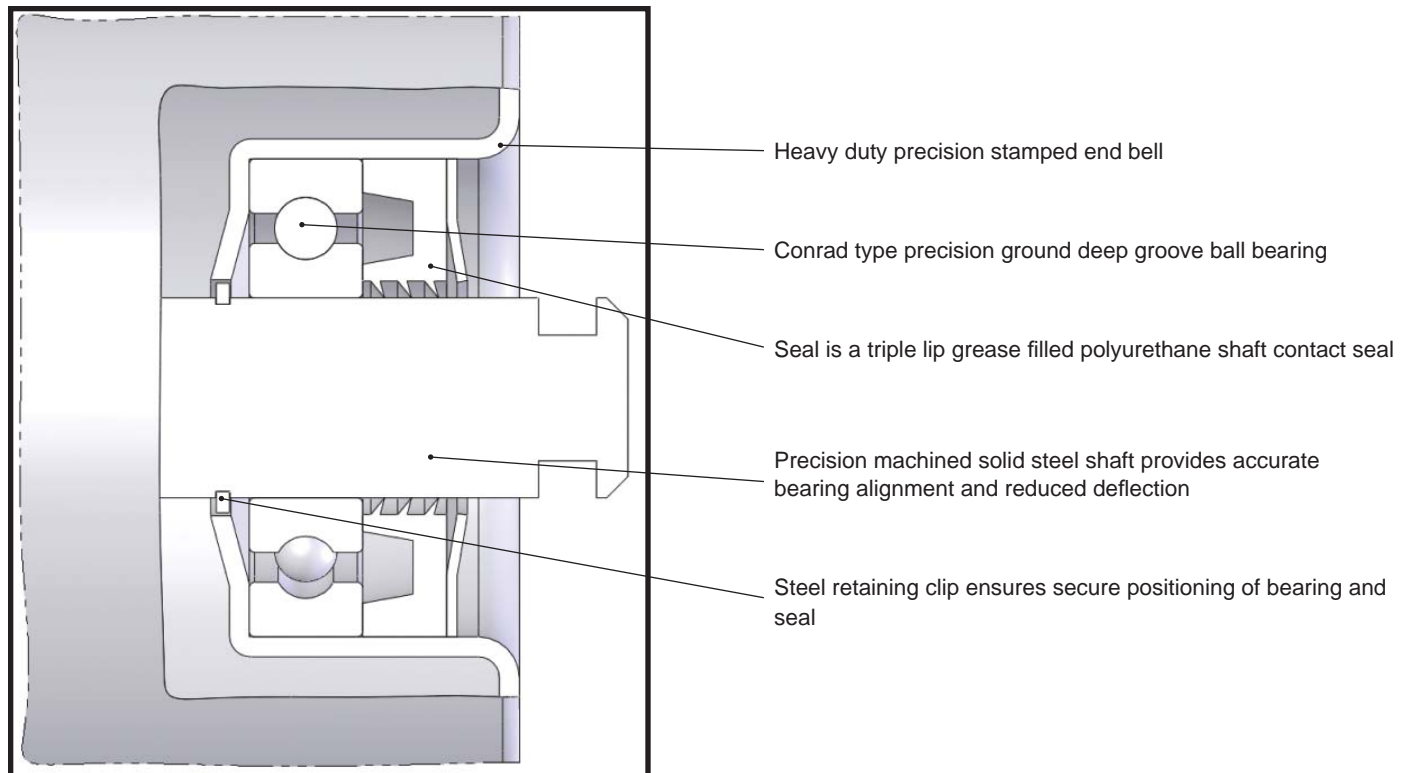
35681-BW 6" IDLERS

Dimensions subject to change. Use certified drawings only.

## 40000 SERIES IDLERS: OVERVIEW



## 40000 SERIES IDLERS: A CLOSER LOOK



Dimensions subject to change. Use certified drawings only.

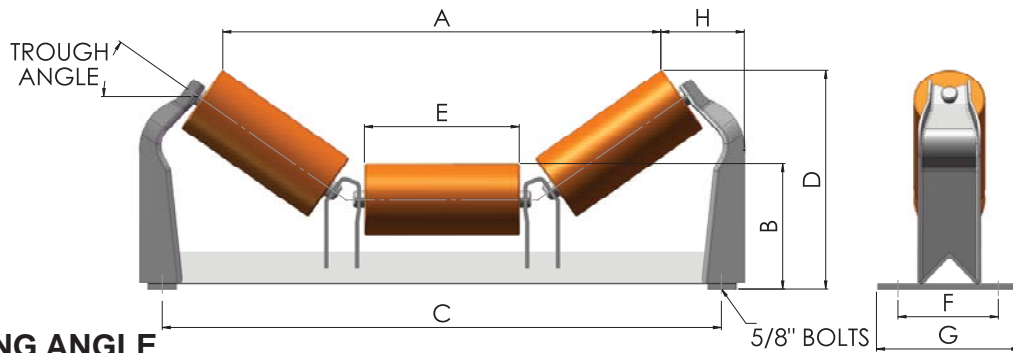


# TROUGHING IDLERS

5 inch and 6 inch diameter rolls / 30 mm shaft diameter

40000 Series

CEMA D



## 20° TROUGHING ANGLE

Belt Width	Model Number		A		B		C	D		E	F	G	H		Weight Units	Weights					
	5" Roll	6" Roll	5" Roll	6" Roll	5" Roll	6" Roll		5" Roll	6" Roll				5" Roll	6" Roll		5" Roll	6" Roll	Roll Each		Idler Assy	
																		5" Roll	6" Roll	5" Roll	6" Roll
in. 24	40501-24	40601-24	27.3	27.0	8.7	9.2	33.0	11.8	12.3	8.7	7.0	10.0	4.4	4.6	lb.	11.7	17.0	60.1	76.0		
mm 600			693	686	221	234	838	300	312	221	178	254	112	117	kg.	5.3	7.7	27.3	34.5		
in. 30	40501-30	40601-30	33.3	33.0	8.7	9.2	39.0	12.5	13.0	10.8	7.0	10.0	4.4	4.6	lb.	13.7	20.4	69.2	89.3		
mm 750			846	838	221	234	991	318	330	274	178	254	112	117	kg.	6.2	9.3	31.4	40.5		
in. 36	40501-36	40601-36	39.3	39.0	8.7	9.2	45.0	13.2	13.7	12.9	7.0	10.0	4.4	4.6	lb.	15.7	23.7	78.2	102.2		
mm 900			998	991	221	234	1143	335	348	328	178	254	112	117	kg.	7.1	10.8	35.5	46.4		
in. 42	40501-42	40601-42	45.3	45.0	9.1	9.6	51.0	14.3	14.8	15.1	8.0	11.0	4.4	4.6	lb.	17.7	27.0	91.4	119.3		
mm 1050			1151	1143	231	244	1295	363	376	384	203	279	112	117	kg.	8.0	12.3	41.5	54.1		
in. 48	40501-48	40601-48	51.3	51.0	9.1	9.6	57.0	15.0	15.5	17.1	8.0	11.0	4.4	4.6	lb.	19.7	30.4	101.0	133.0		
mm 1200			1303	1295	231	244	1448	381	394	434	203	279	112	117	kg.	8.9	13.8	45.8	60.3		
in. 54	40501-54	40601-54	57.3	57.0	9.4	9.9	63.0	16.1	16.6	19.2	9.0	12.0	4.4	4.6	lb.	21.8	33.7	114.5	151.2		
mm 1400			1455	1448	239	252	1600	409	422	488	229	305	112	117	kg.	9.9	15.3	52.0	68.6		
in. 60	40501-60	40601-60	63.3	63.0	9.4	9.9	69.0	16.8	17.3	21.3	9.0	12.0	4.4	4.6	lb.	23.6	37.1	144.3	184.8		
mm 1500			1615	1600	239	252	1753	427	439	541	229	305	112	117	kg.	10.7	16.8	65.5	83.8		
in. 72	40501-72	40601-72	75.3	75.0	9.5	10.0	81.0	18.3	18.8	25.5	9.0	12.0	4.4	4.6	lb.	27.2	43.1	187.1	234.8		
mm 1800			1913	1905	241	254	2057	465	478	648	229	305	112	117	kg.	12.3	19.5	84.9	106.5		

## 35° TROUGHING ANGLE

Belt Width	Model Number		A		B		C	D		E	F	G	H		Weight Units	Weights					
	5" Roll	6" Roll	5" Roll	6" Roll	5" Roll	6" Roll		5" Roll	6" Roll				5" Roll	6" Roll		5" Roll	6" Roll	Roll Each		Idler Assy	
																		5" Roll	6" Roll	5" Roll	6" Roll
in. 24	40502-24	40602-24	25.0	24.5	8.7	9.2	33.0	14.1	14.5	8.7	7.0	10.0	5.9	6.2	lb.	11.7	17.0	63.2	79.1		
mm 600			635	622	221	234	838	358	368	221	178	254	150	158	kg.	5.3	7.7	28.7	35.9		
in. 30	40502-30	40602-30	30.5	30.0	8.7	9.2	39.0	15.3	15.7	10.8	7.0	10.0	5.9	6.2	lb.	13.7	20.4	72.7	92.8		
mm 750			775	762	221	234	991	389	399	274	178	254	150	158	kg.	6.2	9.3	32.9	42.1		
in. 36	40502-36	40602-36	36.0	35.5	8.7	9.2	45.0	16.5	16.9	12.9	7.0	10.0	5.9	6.2	lb.	15.7	23.7	82.1	106.1		
mm 900			914	902	221	234	1143	419	429	328	178	254	150	158	kg.	7.1	10.8	37.3	48.1		
in. 42	40502-42	40602-42	41.5	41.0	9.1	9.6	51.0	18.0	18.4	15.1	8.0	11.0	5.9	6.2	lb.	17.7	27.0	99.6	127.5		
mm 1050			1054	1041	231	244	1295	457	467	384	203	279	150	158	kg.	8.0	12.3	45.2	57.8		
in. 48	40502-48	40602-48	47.0	46.5	9.1	9.6	57.0	19.2	19.6	17.1	8.0	11.0	5.9	6.2	lb.	19.7	30.4	110.1	142.2		
mm 1200			1194	1181	231	244	1448	488	498	434	203	279	150	158	kg.	8.9	13.8	50.0	64.5		
in. 54	40502-54	40602-54	52.5	52.0	9.4	9.9	63.0	20.8	21.2	19.2	9.0	12.0	5.9	6.2	lb.	21.8	33.7	120.6	157.3		
mm 1400			1334	1321	239	252	1600	528	538	488	229	305	150	158	kg.	9.9	15.3	54.7	71.4		
in. 60	40502-60	40602-60	58.0	57.5	9.4	9.9	69.0	22.0	22.4	21.3	9.0	12.0	5.9	6.2	lb.	23.6	37.1	150.8	191.3		
mm 1500			1473	1461	239	252	1753	559	569	541	229	305	150	158	kg.	10.7	16.8	68.4	86.8		
in. 72	40502-72	40602-72	69.5	69.0	9.5	10.0	81.0	24.5	24.9	25.5	9.0	12.0	5.9	6.2	lb.	27.2	43.1	194.6	242.3		
mm 1800			1760	1753	241	254	2057	622	633	648	229	305	150	158	kg.	12.3	19.5	88.3	110.0		

## 45° TROUGHING ANGLE

Belt Width	Model Number		A		B		C	D		E	F	G	H		Weight Units	Weights					
	5" Roll	6" Roll	5" Roll	6" Roll	5" Roll	6" Roll		5" Roll	6" Roll				5" Roll	6" Roll		5" Roll	6" Roll	Roll Each		Idler Assy	
																		5" Roll	6" Roll	5" Roll	6" Roll
in. 24	40503-24	40603-24	23.3	22.6	8.7	9.2	33.0	14.8	15.2	8.7	7.0	10.0	7.0	7.4	lb.	11.7	17.0	64.9	80.8		
mm 600			592	574	221	234	838	376	386	221	178	254	178	188	kg.	5.3	7.7	29.5	36.7		
in. 30	40503-30	40603-30	28.4	27.7	8.7	9.2	39.0	16.3	16.7	10.8	7.0	10.0	7.0	7.4	lb.	13.7	20.4	74.8	94.9		
mm 750			721	704	221	234	991	414	424	274	178	254	178	188	kg.	6.2	9.3	33.9	43.0		
in. 36	40503-36	40603-36	33.5	32.8	8.7	9.2	45.0	17.8	18.2	12.9	7.0	10.0	7.0	7.4	lb.	15.7	23.7	84.4	108.4		
mm 900			851	833	221	234	1143	452	462	328	178	254	178	188	kg.	7.1	10.8	38.3	49.2		
in. 42	40503-42	40603-42	38.6	37.9	9.1	9.6	51.0	19.7	21.1	15.1	8.0	11.0	7.0	7.4	lb.	17.7	27.0	98.6	126.5		
mm 1050			980	963	231	244	1295	500	536	384	203	279	178	188	kg.	8.0	12.3	44.7	53.4		
in. 48	40503-48	40603-48	43.7	43.0	9.1	9.6	57.0	21.2	21.6	17.1	8.0	11.0	7.0	7.4	lb.	19.7	30.4	108.9	141.0		
mm 1200			1110	1092	231	244	1448	539	549	434	203	279	178	188	kg.	8.9	13.8	49.4	63.9		
in. 54	40503-54	40603-54	48.8	48.1	9.4	9.9	63.0	23.1	23.5	19.2	9.0	12.0	7.0	7.4	lb.	21.8	33.7	119.3	156.0		
mm 1400			1240	1222	239	252	1600	587	597	488	229	305	178	188	kg.	9.9	15.3	54.1	70.7		
in. 60	40503-60	40603-60	53.9	53.2	9.4	9.9	69.0	24.6	28.1	21.3	9.0	12.0	7.0	7.4	lb.	23.6	37.1	154.5	195.0		
mm 1500			1369	1351	239	252	1753	625	714	541	229	305	178	188	kg.	10.7	16.8	70.1	88.5		
in. 72	40503-72	40603-72	64.1	63.4	9.5	10.0	81.0	27.7	30.0	25.5	9.0	12.0	7.0	7.4	lb.	27.2	43.1	198.9	246.6		
mm 1800			1628	1610	241	254	2057	704	762	648	229	305	178	188	kg.	12.3	19.5	90.2	111.9		

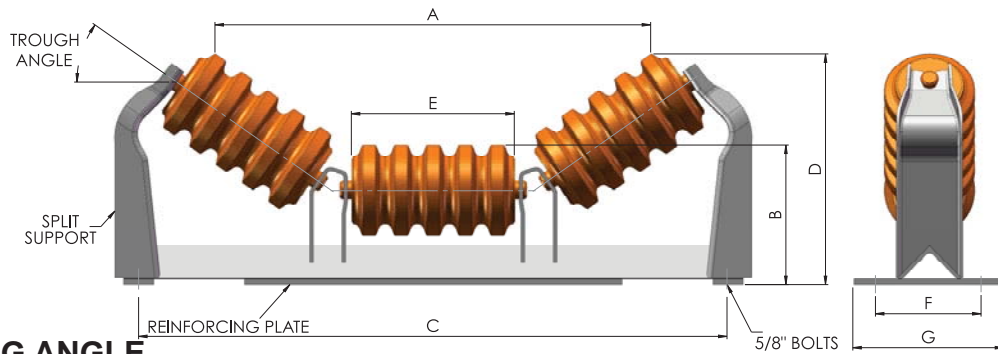
Dimensions subject to change. Use certified drawings only.

# IMPACT IDLERS

6 inch diameter rolls / 30 mm shaft diameter

40000 Series

CEMA D



## 20° TROUGHING ANGLE

Belt Width	Model Number 6" Roll	A	B	C	D	E	F	G	Weight Units	Weights	
										Roll Each	Idler Assy
in. 24	40611-24	27.0	9.2	33.0	11.9	8.5	7.0	10.0	lb.	15.3	76.9
mm 600		686	234	838	302	216	178	254	kg.	6.9	34.9
in. 30	40611-30	33.0	9.2	39.0	12.6	10.6	7.0	10.0	lb.	18.3	87.0
mm 750		838	234	991	320	269	178	254	kg.	8.3	39.5
in. 36	40611-36	39.0	9.2	45.0	13.3	12.7	7.0	10.0	lb.	21.3	105.5
mm 900		991	234	1143	338	323	178	254	kg.	9.7	47.9
in. 42	40611-42	45.0	9.6	51.0	14.4	14.8	8.0	11.0	lb.	24.3	123.6
mm 1050		1143	244	1295	366	376	203	279	kg.	11.0	56.1
in. 48	40611-48	51.0	9.6	57.0	15.1	16.9	8.0	11.0	lb.	27.3	134.8
mm 1200		1295	244	1448	384	429	203	279	kg.	13.4	61.2
in. 54	40611-54	57.0	9.9	63.0	16.2	19.0	9.0	12.0	lb.	30.3	155.0
mm 1400		1448	252	1600	411	483	229	305	kg.	13.7	70.0
in. 60	40611-60	63.0	9.9	69.0	16.9	21.1	9.0	12.0	lb.	33.3	189.4
mm 1500		1600	252	1753	429	536	229	305	kg.	15.1	85.9
in. 72	40611-72	75.0	10.0	81.0	18.4	25.3	9.0	12.0	lb.	38.6	241.1
mm 1800		1905	254	2057	467	643	229	305	kg.	17.5	109.3

## 35° TROUGHING ANGLE

Belt Width	Model Number 6" Roll	A	B	C	D	E	F	G	Weight Units	Weights	
										Roll Each	Idler Assy
in. 24	40612-24	24.5	9.2	33.0	13.9	8.5	7.0	10.0	lb.	15.3	76.9
mm 600		622	234	838	353	216	178	254	kg.	6.9	34.9
in. 30	40612-30	30.0	9.2	39.0	15.1	10.6	7.0	10.0	lb.	18.3	87.0
mm 750		762	234	991	384	269	178	254	kg.	8.3	39.5
in. 36	40612-36	35.5	9.2	45.0	16.3	12.7	7.0	10.0	lb.	21.3	105.5
mm 900		902	234	1143	415	323	178	254	kg.	9.7	47.9
in. 42	40612-42	41.0	9.6	51.0	17.9	14.8	8.0	11.0	lb.	24.3	123.6
mm 1050		1041	244	1295	455	376	203	279	kg.	11.0	56.1
in. 48	40612-48	46.5	9.6	57.0	19.1	16.9	8.0	11.0	lb.	27.3	134.8
mm 1200		1181	244	1448	485	429	203	279	kg.	13.4	61.2
in. 54	40612-54	52.0	9.9	63.0	20.6	19.0	9.0	12.0	lb.	30.3	155.0
mm 1400		1321	252	1600	523	483	229	305	kg.	13.7	70.0
in. 60	40612-60	57.5	9.9	69.0	21.9	21.1	9.0	12.0	lb.	33.3	189.4
mm 1500		1461	252	1753	556	536	229	305	kg.	15.1	85.9
in. 72	40612-72	63.0	10.0	81.0	24.3	25.3	9.0	12.0	lb.	38.6	241.1
mm 1800		1600	254	2057	617	643	229	305	kg.	17.5	109.3

## 45° TROUGHING ANGLE

Belt Width	Model Number 6" Roll	A	B	C	D	E	F	G	Weight Units	Weights	
										Roll Each	Idler Assy
in. 24	40613-24	22.6	9.2	33.0	14.1	8.5	7.0	10.0	lb.	15.3	76.9
mm 600		574	234	838	358	216	178	254	kg.	6.9	34.9
in. 30	40613-30	27.7	9.2	39.0	15.6	10.6	7.0	10.0	lb.	18.3	87.0
mm 750		704	234	991	396	269	178	254	kg.	8.3	39.5
in. 36	40613-36	32.8	9.2	45.0	17.1	12.7	7.0	10.0	lb.	21.3	105.5
mm 900		833	234	1143	434	323	178	254	kg.	9.7	47.9
in. 42	40613-42	37.9	9.6	51.0	19.0	14.8	8.0	11.0	lb.	24.3	123.6
mm 1050		963	244	1295	483	376	203	279	kg.	11.0	56.1
in. 48	40613-48	43.0	9.6	57.0	20.5	16.9	8.0	11.0	lb.	27.3	134.8
mm 1200		1092	244	1448	521	429	203	279	kg.	13.4	61.2
in. 54	40613-54	48.1	9.9	63.0	22.4	19.0	9.0	12.0	lb.	30.3	155.0
mm 1400		1222	252	1600	569	483	229	305	kg.	13.7	70.0
in. 60	40613-60	53.2	9.9	69.0	23.9	21.1	9.0	12.0	lb.	33.3	189.4
mm 1500		1351	252	1753	608	536	229	305	kg.	15.1	85.9
in. 72	40613-72	63.4	10.0	81.0	27.0	25.3	9.0	12.0	lb.	38.6	241.1
mm 1800		1610	254	2057	686	643	229	305	kg.	17.5	109.3

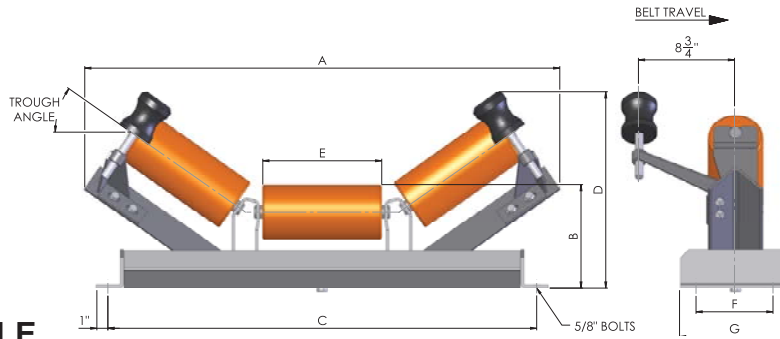
Dimensions subject to change. Use certified drawings only.

# SELF-TRAINING TROUGHING IDLERS

5 inch and 6 inch diameter rolls / 30 mm shaft diameter

40000 Series

CEMA D



## 20° TROUGHING ANGLE

Belt Width	Model Number		A	B		C	D	E	F	G	Weight Units	Weights			
	5" Roll	6" Roll		5" Roll	6" Roll							Roll Each		Idler Assy	
												5" Roll	6" Roll	5" Roll	6" Roll
in. 24	40541-24	40641-24	35.0	9.2	9.7	33.0	17.0	8.7	7.0	12.0	lb.	11.7	17.0	105.1	121.0
mm 600			889	234	246	838	432	221	178	305	kg.	5.3	7.7	47.0	54.0
in. 30	40541-30	40641-30	41.0	9.2	9.7	39.0	17.5	10.8	7.0	12.0	lb.	13.7	20.4	121.1	141.2
mm 750			1041	234	246	991	445	274	178	305	kg.	6.2	9.3	54.0	64.0
in. 36	40541-36	40641-36	47.0	9.2	9.7	45.0	18.2	12.9	7.0	12.0	lb.	15.7	23.7	137.1	161.1
mm 900			1194	234	246	1143	462	328	178	305	kg.	7.1	10.8	62.0	72.0
in. 42	40541-42	40641-42	54.0	9.6	10.1	51.0	19.3	15.1	8.0	13.0	lb.	17.7	27.0	153.1	181.0
mm 1050			1372	244	257	1295	490	384	203	330	kg.	8.0	12.3	69.0	82.0
in. 48	40541-48	40641-48	60.0	9.6	10.1	57.0	20.2	17.1	8.0	13.0	lb.	19.7	30.4	169.1	201.2
mm 1200			1524	244	257	1448	513	434	203	330	kg.	8.9	13.0	76.0	91.0
in. 54	40541-54	40641-54	67.0	9.9	10.4	63.0	21.1	19.2	9.0	14.0	lb.	21.5	33.7	184.4	221.1
mm 1400			1702	252	264	1600	536	488	229	356	kg.	9.9	15.3	83.0	100.0
in. 60	40541-60	40641-60	73.0	9.9	10.4	69.0	22.0	21.3	9.0	14.0	lb.	23.6	37.1	201.0	241.3
mm 1500			1854	252	264	1753	556	541	229	356	kg.	10.7	16.8	91.0	109.0
in. 2	40541-72	40641-72	79.0	10.0	10.5	81.0	23.1	25.5	9.0	14.0	lb.	27.2	43.1	222.0	269.3
mm 1800			2007	254	267	2057	587	648	229	356	kg.	12.3	19.5	100.0	122.0

## 35° TROUGHING ANGLE

Belt Width	Model Number		A	B		C	D	E	F	G	Weight Units	Weights			
	5" Roll	6" Roll		5" Roll	6" Roll							Roll Each		Idler Assy	
												5" Roll	6" Roll	5" Roll	6" Roll
in. 24	40542-24	40642-24	36.2	9.2	9.7	33.0	19.3	8.7	7.0	12.0	lb.	11.7	17.0	106.1	122.0
mm 600			919	234	246	838	490	221	178	305	kg.	5.3	7.7	48.0	55.0
in. 30	40542-30	40642-30	42.0	9.2	9.7	39.0	20.5	10.8	7.0	12.0	lb.	13.7	20.4	122.1	142.2
mm 750			1067	234	246	991	521	274	178	305	kg.	6.2	9.3	55.0	65.0
in. 36	40542-36	40642-36	47.3	9.2	9.7	45.0	22.0	12.9	7.0	12.0	lb.	15.7	23.7	138.1	162.1
mm 900			1201	234	246	1143	559	328	178	305	kg.	7.1	10.8	63.0	73.0
in. 42	40542-42	40642-42	55.0	9.6	10.1	51.0	23.3	15.1	8.0	13.0	lb.	17.7	27.0	154.1	182.0
mm 1050			1397	244	257	1295	592	384	203	330	kg.	8.0	12.3	70.0	83.0
in. 48	40542-48	40642-48	60.5	9.6	10.1	57.0	24.5	17.1	8.0	13.0	lb.	19.7	30.4	170.1	202.2
mm 1200			1537	244	257	1448	622	434	203	330	kg.	8.9	13.0	77.0	92.0
in. 54	40542-54	40642-54	66.0	9.9	10.4	63.0	26.0	19.2	9.0	14.0	lb.	21.5	33.7	185.4	222.1
mm 1400			1676	252	264	1600	660	488	229	356	kg.	9.9	15.3	84.0	101.0
in. 60	40542-60	40642-60	72.0	9.9	10.4	69.0	27.3	21.3	9.0	14.0	lb.	23.6	37.1	202.0	242.3
mm 1500			1829	252	264	1753	693	541	229	356	kg.	10.7	16.8	92.0	110.0
in. 72	40542-72	40642-72	78.0	10.0	10.5	81.0	28.6	25.5	9.0	14.0	lb.	27.2	43.1	223.0	270.3
mm 1800			1798	254	267	2057	726	648	229	356	kg.	12.3	19.5	101.0	123.0

## 45° TROUGHING ANGLE

Belt Width	Model Number		A	B		C	D	E	F	G	Weight Units	Weights			
	5" Roll	6" Roll		5" Roll	6" Roll							Roll Each		Idler Assy	
												5" Roll	6" Roll	5" Roll	6" Roll
in. 24	40543-24	40643-24	36.4	9.2	9.7	33.0	20.6	8.7	7.0	12.0	lb.	11.7	17.0	107.1	123.0
mm 600			925	234	246	838	523	221	178	305	kg.	5.3	7.7	46.0	56.0
in. 30	40543-30	40643-30	41.4	9.2	9.7	39.0	22.0	10.8	7.0	12.0	lb.	13.7	20.4	123.1	143.2
mm 750			1052	234	246	991	559	274	178	305	kg.	6.2	9.3	56.0	66.0
in. 36	40543-36	40643-36	46.5	9.2	9.7	45.0	23.5	12.9	7.0	12.0	lb.	15.7	23.7	139.1	163.1
mm 900			1181	234	246	1143	597	328	178	305	kg.	7.1	10.8	64.0	74.0
in. 42	40543-42	40643-42	54.1	9.6	10.1	51.0	25.4	15.1	8.0	13.0	lb.	17.7	27.0	155.1	183.0
mm 1050			1374	244	257	1295	645	384	203	330	kg.	8.0	12.3	71.0	84.0
in. 48	40543-48	40643-48	59.2	9.6	10.1	57.0	27.0	17.1	8.0	13.0	lb.	19.7	30.4	171.1	203.2
mm 1200			1504	244	257	1448	686	434	203	330	kg.	8.9	13.0	78.0	93.0
in. 54	40543-54	40643-54	64.2	9.9	10.4	63.0	29.0	19.2	9.0	14.0	lb.	21.5	33.7	186.4	223.1
mm 1400			1631	252	264	1600	737	488	229	356	kg.	9.9	15.3	84.0	102.0
in. 60	40543-60	40643-60	65.1	9.9	10.4	69.0	30.2	21.3	9.0	14.0	lb.	23.6	37.1	203.0	243.3
mm 1500			1653	252	264	1753	767	541	229	356	kg.	10.7	16.8	92.0	111.0
in. 72	40543-72	40643-72	70.0	10.0	10.5	81.0	31.8	25.5	9.0	14.0	lb.	27.2	43.1	224.0	271.3
mm 1800			1778	254	267	2057	808	648	229	356	kg.	12.3	19.5	101.0	124.0

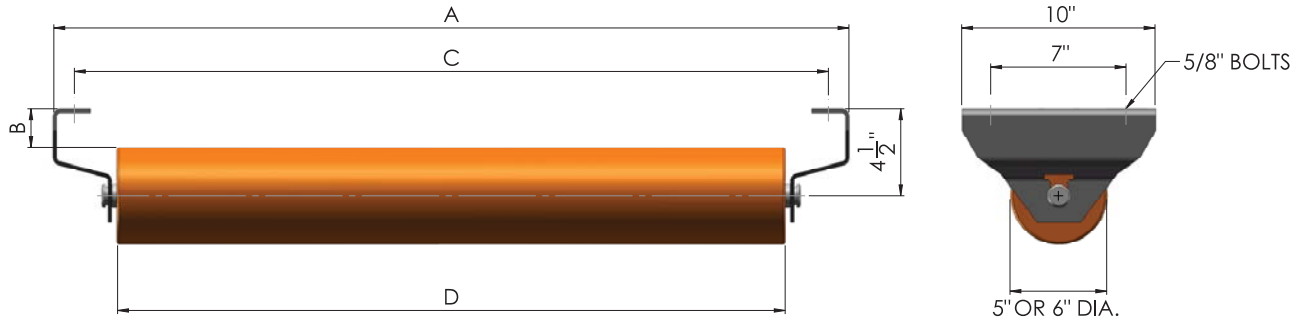
Dimensions subject to change. Use certified drawings only.

# FLAT RETURN IDLERS

5 inch and 6 inch diameter rolls / 30 mm shaft diameter

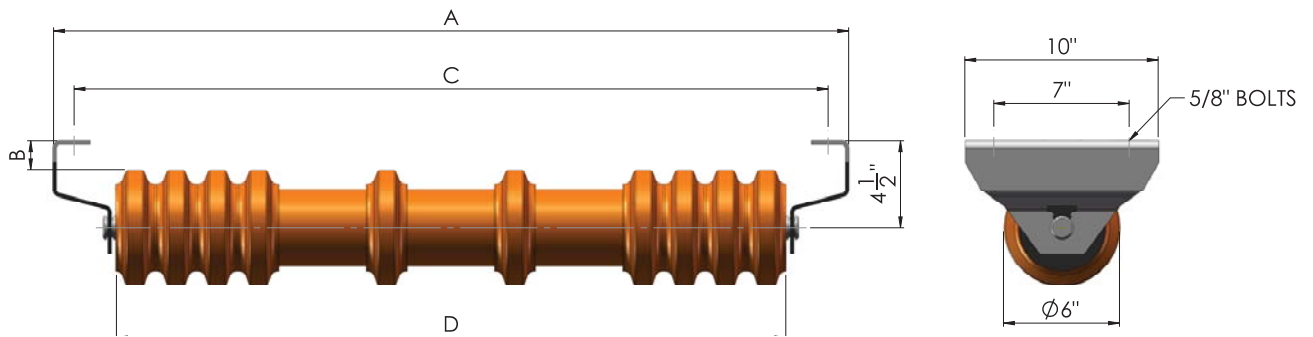
40000 Series

CEMA D



## STEEL RETURNS

Belt Width	Model Number		A	B		C	D	Weight Units	Weights			
	5" Roll	6" Roll		5" Roll	6" Roll				Roll Each		Idler Assy	
									5" Roll	6" Roll	5" Roll	6" Roll
in. 24 mm 600	40520-24	40620-24	35.0 890	2.0 51	1.5 38	33.0 838	28.5 724	lb. kg.	31.0 14.0	48.0 22.0	39.0 18.0	56.0 25.0
in. 30 mm 750	40520-30	40620-30	41.0 1041	2.0 51	1.5 38	39.0 991	34.5 876	lb. kg.	36.0 16.0	58.0 26.0	44.0 20.0	66.0 30.0
in. 36 mm 900	40520-36	40620-36	47.0 1194	2.0 51	1.5 38	45.0 1143	40.5 1029	lb. kg.	42.0 9.0	67.0 30.0	50.0 23.0	75.0 34.0
in. 42 mm 1050	40520-42	40620-42	53.0 1346	2.0 51	1.5 38	51.0 1295	46.5 1181	lb. kg.	48.0 22.0	76.0 35.0	56.0 25.0	84.0 38.0
in. 48 mm 1200	40520-48	40620-48	59.0 1499	2.0 51	1.5 38	57.0 1448	52.5 1334	lb. kg.	54.0 25.0	87.0 40.0	62.0 28.0	95.0 43.0
in. 54 mm 1400	40520-54	40620-54	65.0 1651	2.0 51	1.5 38	63.0 1600	58.5 1486	lb. kg.	59.0 27.0	96.0 44.0	67.0 30.0	104.0 47.0
in. 60 mm 1500	40520-60	40620-60	71.0 1803	2.0 51	1.5 38	69.0 1753	64.5 1638	lb. kg.	65.0 30.0	106.0 48.0	73.0 33.0	114.0 52.0
in. 72 mm 1800	40520-72	40620-72	83.0 2108	2.0 51	1.5 38	81.0 2057	76.5 1943	lb. kg.	77.0 35.0	125.0 57.0	85.0 39.0	133.0 60.0



## RUBBER DISC RETURNS

Belt Width	Model Number	A	B	C	D	Weight Units	Weights	
	6" Roll						Roll Each	Idler Assy
in. 24 mm 600	40630-24	35.0 890	1.5 38	33.0 838	28.4 721	lb. kg.	39.0 18.0	47.0 21.0
in. 30 mm 750	40630-30	41.0 1041	1.5 38	39.0 991	34.4 874	lb. kg.	46.0 21.0	54.0 25.0
in. 36 mm 900	40630-36	47.0 1194	1.5 38	45.0 1143	40.4 1026	lb. kg.	53.0 24.0	61.0 28.0
in. 42 mm 1050	40630-42	53.0 1346	1.5 38	51.0 1295	46.4 1179	lb. kg.	64.0 29.0	72.0 33.0
in. 48 mm 1200	40630-48	59.0 1499	1.5 38	57.0 1448	52.4 1331	lb. kg.	66.0 30.0	74.0 34.0
in. 54 mm 1400	40630-54	65.0 1651	1.5 38	63.0 1600	58.4 1483	lb. kg.	73.0 33.0	81.0 37.0
in. 60 mm 1500	40630-60	71.0 1803	1.5 38	69.0 1753	64.4 1636	lb. kg.	80.0 36.0	88.0 40.0
in. 72 mm 1800	40630-72	83.0 2108	1.5 38	81.0 2057	76.4 1941	lb. kg.	93.0 42.0	101.0 46.0

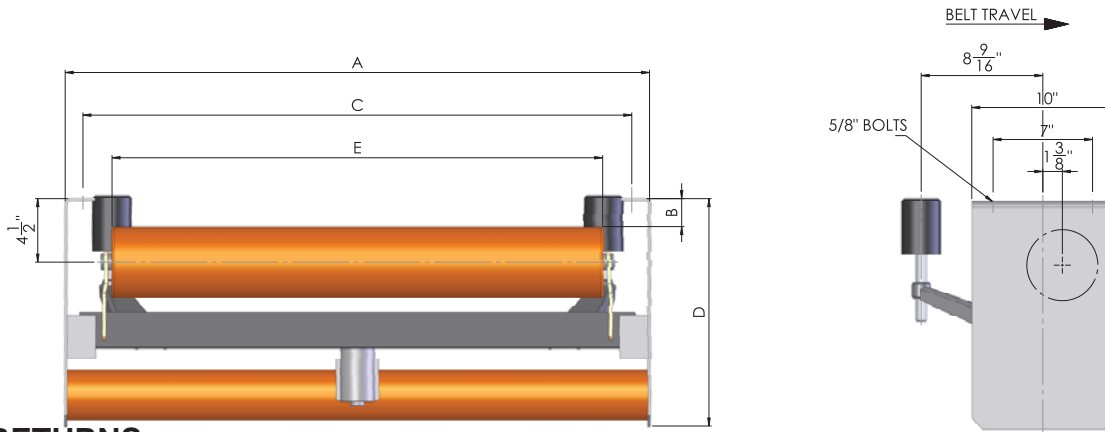
Dimensions subject to change. Use certified drawings only.

# SELF-TRAINING RETURNS

5 inch and 6 inch diameter rolls / 30 mm shaft diameter

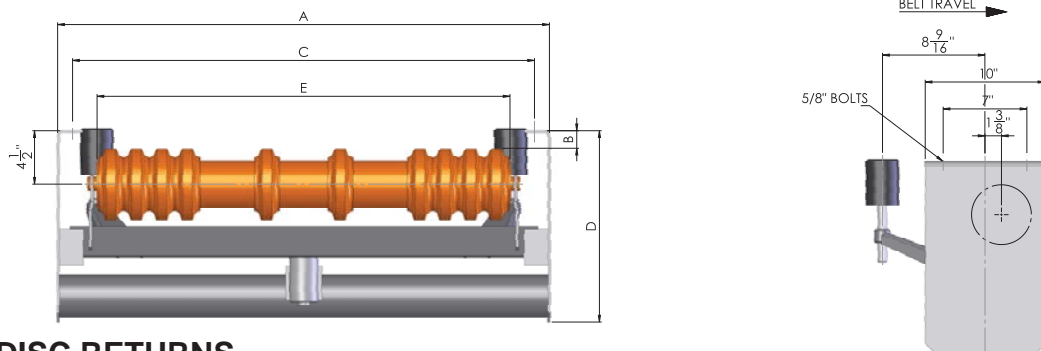
40000 Series

CEMA D



## STEEL RETURNS

Belt Width	Model Number		A	B		C	D	E	Weight Units	Weights			
	5" Roll	6" Roll		5" Roll	6" Roll					Roll Each		Idler Assy	
										5" Roll	6" Roll	5" Roll	6" Roll
in. 24 mm 600	40650-24	40650-24	37.0 940	2.0 51	1.5 38	33.0 838	16.0 406	28.5 724	lb. kg.	31.0 14.0	48.0 22.0	117.0 53.0	134.0 61.0
in. 30 mm 750	40650-30	40650-30	41.0 1041	2.0 51	1.5 38	39.0 991	16.0 406	34.5 876	lb. kg.	36.0 16.0	58.0 26.0	128.0 58.0	140.0 63.0
in. 36 mm 900	40650-36	40650-36	47.0 1194	2.0 51	1.5 38	45.0 1143	16.0 406	40.5 1029	lb. kg.	42.0 9.0	67.0 30.0	142.0 64.0	167.0 76.0
in. 42 mm 1050	40650-42	40650-42	53.0 1346	2.0 51	1.5 38	51.0 1295	16.0 406	46.5 1181	lb. kg.	48.0 22.0	76.0 35.0	165.0 75.0	193.0 88.0
in. 48 mm 1200	40650-48	40650-48	59.0 1499	2.0 51	1.5 38	57.0 1448	17.0 432	52.5 1334	lb. kg.	54.0 25.0	87.0 40.0	179.0 81.0	212.0 96.0
in. 54 mm 1400	40650-54	40650-54	65.0 1651	2.0 51	1.5 38	63.0 1600	17.0 432	58.5 1486	lb. kg.	59.0 27.0	96.0 44.0	191.0 87.0	228.0 103.0
in. 60 mm 1500	40650-60	40650-60	71.0 1803	2.0 51	1.5 38	69.0 1753	17.0 432	64.5 1638	lb. kg.	65.0 30.0	106.0 48.0	208.0 94.0	249.0 113.0
in. 72 mm 1800	40650-72	40650-72	83.0 2108	2.0 51	1.5 38	81.0 2057	17.0 432	76.5 1943	lb. kg.	77.0 35.0	125.0 57.0	231.0 105.0	279.0 127.0

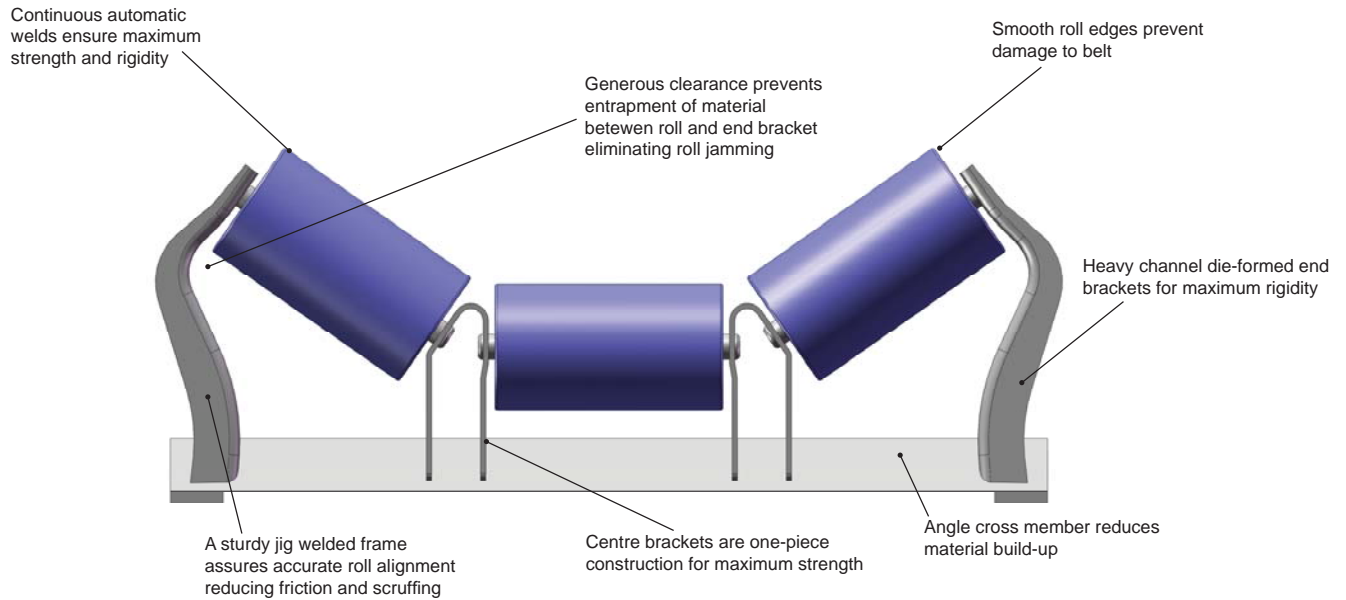


## RUBBER DISC RETURNS

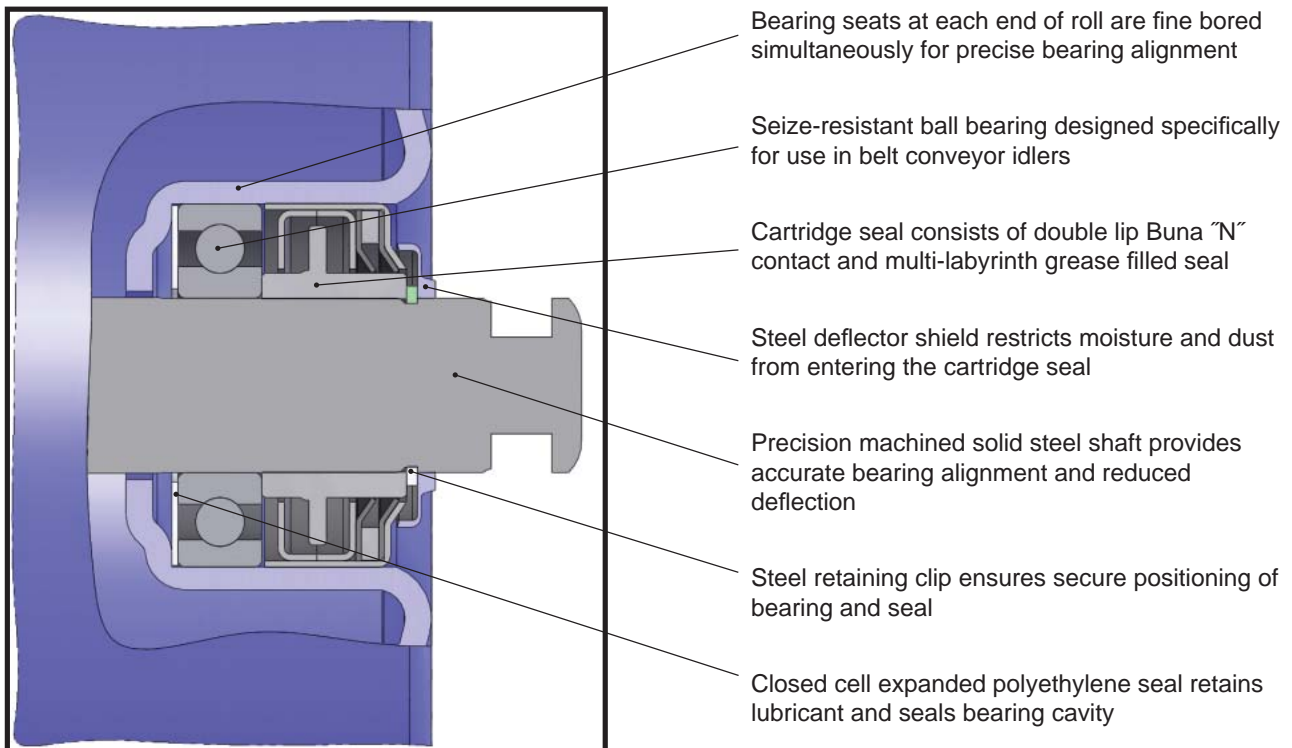
Belt Width	Model Number	A	B	C	D	E	Weight Units	Weights	
	6" Roll							Roll Each	Idler Assy
in. 24 mm 600	40660-24	37.0 940	1.5 38	33.0 838	16.0 406	28.4 721	lb. kg.	39.0 18.0	125.0 57.0
in. 30 mm 750	40660-30	41.0 1041	1.5 38	39.0 991	16.0 406	34.4 874	lb. kg.	46.0 21.0	138.0 63.0
in. 36 mm 900	40660-36	47.0 1194	1.5 38	45.0 1143	16.0 406	40.4 1026	lb. kg.	53.0 24.0	153.0 69.0
in. 42 mm 1050	40660-42	53.0 1346	1.5 38	51.0 1295	16.0 406	46.4 1179	lb. kg.	64.0 29.0	181.0 82.0
in. 48 mm 1200	40660-48	59.0 1499	1.5 38	57.0 1448	17.0 432	52.4 1331	lb. kg.	66.0 30.0	191.0 87.0
in. 54 mm 1400	40660-54	65.0 1651	1.5 38	63.0 1600	17.0 432	58.4 1483	lb. kg.	73.0 33.0	205.0 93.0
in. 60 mm 1500	40660-60	71.0 1803	1.5 38	69.0 1753	17.0 432	64.4 1636	lb. kg.	80.0 36.0	223.0 101.0
in. 72 mm 1800	40660-72	83.0 2108	1.5 38	81.0 2057	17.0 432	76.4 1941	lb. kg.	93.0 42.0	247.0 112.0

Dimensions subject to change. Use certified drawings only.

## 50000 SERIES IDLERS: OVERVIEW



## 50000 SERIES IDLERS: A CLOSER LOOK



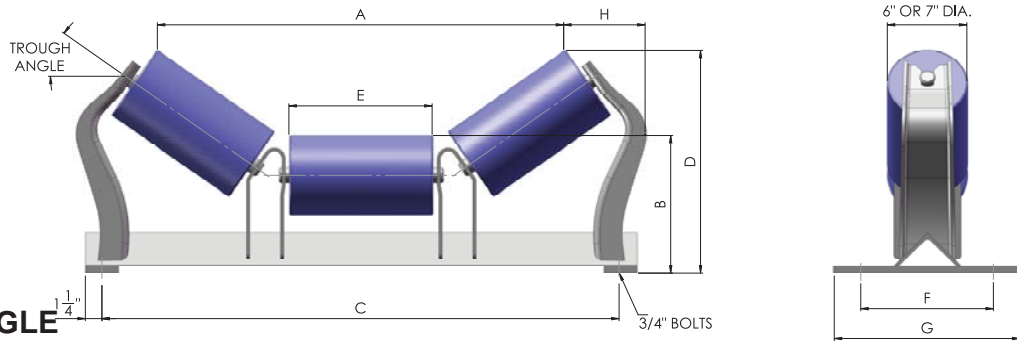
Dimensions subject to change. Use certified drawings only.

# TROUGHING IDLERS

6 inch and 7 inch diameter rolls / 35 mm shaft diameter

50000 Series

CEMA E



## 20° TROUGHING ANGLE

Belt Width	Model Number		A		B		C	D		E	F	G	H		Weight Units	Weights			
	6" Roll	7" Roll	6" Roll	7" Roll	6" Roll	7" Roll		6" Roll	7" Roll				6" Roll	7" Roll		Roll Each	Idler Assy		
	6" Roll	7" Roll	6" Roll	7" Roll	6" Roll	7" Roll	6" Roll	7" Roll	6" Roll	7" Roll	6" Roll	7" Roll	6" Roll	7" Roll		6" Roll	7" Roll		
in. 36 mm 900	50601-36	50701-36	40.2	39.8	10.7	11.2	45.0	15.5	15.9	12.9	10.0	14.0	3.9	4.2	lb.	30.2	34.1	147.0	159.0
in. 42 mm 1050	50601-42	50701-42	46.2	45.9	10.7	11.2	51.0	16.2	16.6	15.0	10.0	14.0	3.9	4.2	lb.	33.7	38.1	162.0	175.0
in. 48 mm 1200	50601-48	50701-48	52.3	51.9	10.7	11.2	27.0	16.9	17.4	17.1	10.0	14.0	3.9	4.2	lb.	37.3	42.1	176.0	191.0
in. 54 mm 1400	50601-54	50701-54	58.3	58.0	10.7	11.2	63.0	17.6	18.1	19.2	10.0	14.0	3.9	4.2	lb.	40.8	46.2	191.0	207.0
in. 60 mm 1500	50601-60	50701-60	64.4	64.0	10.8	11.3	69.0	18.4	18.8	21.3	10.0	14.0	3.9	4.2	lb.	44.4	50.2	216.0	233.0
in. 72 mm 1800	50601-72	50701-72	76.5	76.1	11.5	12.0	81.0	20.5	21.0	25.5	12.0	16.0	3.9	4.2	lb.	51.5	58.2	262.0	282.0
in. 84 mm 2100	50601-84	50701-84	88.6	88.2	12.2	12.7	93.0	22.9	23.4	29.7	12.0	16.0	3.9	4.2	lb.	58.7	66.3	334.0	357.0
in. 96 mm 2400	50601-96	50701-96	100.6	100.3	12.2	12.7	105.0	24.1	24.6	33.9	12.0	16.0	3.9	4.2	lb.	65.8	74.3	373.0	398.0
			2558	2549	311	324	2667	614	626	862	305	406	99	107	kg.	29.9	33.7	169.2	180.5

## 35° TROUGHING ANGLE

Belt Width	Model Number		A		B		C	D		E	F	G	H		Weight Units	Weights			
	6" Roll	7" Roll	6" Roll	7" Roll	6" Roll	7" Roll		6" Roll	7" Roll				6" Roll	7" Roll		Roll Each	Idler Assy		
	6" Roll	7" Roll	6" Roll	7" Roll	6" Roll	7" Roll	6" Roll	7" Roll	6" Roll	7" Roll	6" Roll	7" Roll	6" Roll	7" Roll		6" Roll	7" Roll		
in. 36 mm 900	50602-36	50702-36	36.7	36.0	10.7	11.2	45.0	18.0	19.0	12.9	10.0	14.0	5.6	6.0	lb.	30.2	34.1	153.0	165.0
in. 42 mm 1050	50602-42	50702-42	42.2	41.7	10.7	11.2	51.0	19.0	20.0	15.0	10.0	14.0	5.6	6.0	lb.	33.7	38.1	168.0	181.0
in. 48 mm 1200	50602-48	50702-48	47.8	47.2	10.7	11.2	27.0	21.0	21.5	17.1	10.0	14.0	5.6	6.0	lb.	37.3	42.1	184.0	199.0
in. 54 mm 1400	50602-54	50702-54	53.3	52.7	10.7	11.2	63.0	22.0	22.7	19.2	10.0	14.0	5.6	6.0	lb.	40.8	46.2	200.0	216.0
in. 60 mm 1500	50602-60	50702-60	58.9	58.3	10.8	11.3	69.0	23.5	23.9	21.3	10.0	14.0	5.6	6.0	lb.	44.4	50.2	226.0	243.0
in. 72 mm 1800	50602-72	50702-72	69.5	69.4	11.5	12.0	81.0	26.6	27.0	25.5	12.0	16.0	5.6	6.0	lb.	51.5	58.2	273.8	293.0
in. 84 mm 2100	50602-84	50702-84	81.2	80.4	12.2	12.7	93.0	29.8	30.2	29.7	12.0	16.0	5.6	6.0	lb.	58.7	66.3	346.0	369.0
in. 96 mm 2400	50602-96	50702-96	92.1	91.5	12.2	12.7	105.0	32.2	32.6	33.9	12.0	16.0	5.6	6.0	lb.	65.8	74.3	388.0	413.0
			2340	2326	311	324	2667	819	829	862	305	406	142	152	kg.	29.9	33.7	176.0	187.3

## 45° TROUGHING ANGLE

Belt Width	Model Number		A		B		C	D		E	F	G	H		Weight Units	Weights			
	6" Roll	7" Roll	6" Roll	7" Roll	6" Roll	7" Roll		6" Roll	7" Roll				6" Roll	7" Roll		Roll Each	Idler Assy		
	6" Roll	7" Roll	6" Roll	7" Roll	6" Roll	7" Roll	6" Roll	7" Roll	6" Roll	7" Roll	6" Roll	7" Roll	6" Roll	7" Roll		6" Roll	7" Roll		
in. 36 mm 900	50603-36	50703-36	33.9	33.2	10.7	11.2	45.0	20.5	20.9	12.9	10.0	14.0	6.6	7.0	lb.	30.2	34.1	153.0	165.0
in. 42 mm 1050	50603-42	50703-42	39.0	38.3	10.7	11.2	51.0	22.0	22.4	15.0	10.0	14.0	6.6	7.0	lb.	33.7	38.1	169.0	182.0
in. 48 mm 1200	50603-48	50703-48	44.0	43.3	10.7	11.2	27.0	23.5	23.9	17.1	10.0	14.0	6.6	7.0	lb.	37.3	42.1	185.0	200.0
in. 54 mm 1400	50603-54	50703-54	49.1	48.4	10.7	11.2	63.0	25.0	25.3	19.2	10.0	14.0	6.6	7.0	lb.	40.8	46.2	200.0	217.0
in. 60 mm 1500	50603-60	50703-60	54.0	53.0	10.8	11.3	69.0	26.5	26.9	21.3	10.0	14.0	6.6	7.0	lb.	44.4	50.2	228.0	245.0
in. 72 mm 1800	50603-72	50703-72	64.3	63.6	11.5	12.0	81.0	30.2	30.5	25.5	12.0	16.0	6.6	7.0	lb.	51.5	58.2	278.0	297.0
in. 84 mm 2100	50603-84	50703-84	74.0	73.0	12.2	12.7	93.0	33.9	34.3	29.7	12.0	16.0	6.6	7.0	lb.	58.7	66.3	352.0	374.0
in. 96 mm 2400	50603-96	50703-96	84.6	83.9	12.2	12.7	105.0	36.9	37.2	33.9	12.0	16.0	6.6	7.0	lb.	65.8	74.3	394.0	419.0
			2149	2131	311	324	2667	938	947	862	305	406	168	178	kg.	29.9	33.7	178.7	190.1

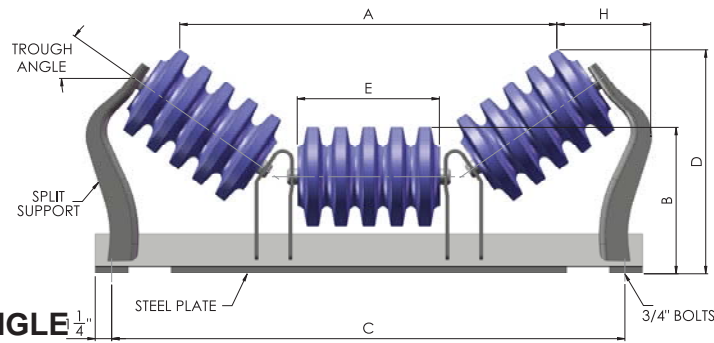
Dimensions subject to change. Use certified drawings only.

# IMPACT IDLERS

7½ inch diameter rubber disc rolls / 35 mm shaft diameter

50000 Series

CEMA E



## 20° TROUGHING ANGLE 1/4"

Belt Width	Model Number	A	B	C	D	E	F	G	H	Weight Units	Weights	
											Roll Each	Idler Assy
in. 36	50811-36	39.7	11.5	45.0	16.2412	12.9	10.0	14.0	4.6	lb.	29.6	159.0
mm 900		1009	292	1143		328	254	356	117	kg.	13.4	72.1
in. 42	50811-42	45.7	11.5	51.0	16.9	15.0	10.0	14.0	4.6	lb.	33.9	178.0
mm 1050		1162	292	1295	430	382	254	356	117	kg.	15.4	80.7
in. 48	50811-48	51.8	11.5	57.0	17.6	17.1	10.0	14.0	4.6	lb.	38.2	197.0
mm 1200		1316	292	1448	448	435	254	356	117	kg.	17.3	89.4
in. 54	50811-54	57.8	11.5	63.0	18.3	19.2	10.0	14.0	4.6	lb.	42.5	216.0
mm 1400		1470	292	1600	466	488	254	356	117	kg.	19.3	98.0
in. 60	50811-60	63.9	11.5	69.0	19.1	21.3	10.0	14.0	4.6	lb.	46.8	245.0
mm 1500		1623	292	1753	486	542	254	356	117	kg.	21.2	111.1
in. 72	50811-72	76.0	12.2	81.0	21.2	25.5	12.0	16.0	4.6	lb.	55.4	313.01
mm 1800		1930	311	2057	540	648	305	406	117	kg.	25.1	42.0
in. 84	50811-84	88.0	13.0	93.0	23.0	29.7	12.0	16.0	4.6	lb.	64.1	404.0
mm 2100		2237	330	2362	597	755	305	406	117	kg.	29.1	183.3
in. 96	50811-96	100.1	13.0	105.0	24.6	33.9	12.0	16.0	4.6	lb.	72.7	455.0
mm 2400		2545	330	2667	627	862	305	406	117	kg.	33.0	206.4

## 35° TROUGHING ANGLE

Belt Width	Model Number	A	B	C	D	E	F	G	H	Weight Units	Weights	
											Roll Each	Idler Assy
in. 36	50812-36	35.8	11.5	45.0	19.2	12.9	10.0	14.0	6.3	lb.	29.6	165.0
mm 900		911	292	1143	490	328	254	356	161	kg.	13.4	74.8
in. 42	50812-42	41.4	11.5	51.0	20.5	15.0	10.0	14.0	6.3	lb.	33.9	185.0
mm 1050		1052	292	1295	521	382	254	356	161	kg.	15.4	83.9
in. 48	50812-48	46.9	11.5	57.0	21.7	17.1	10.0	14.0	6.3	lb.	38.2	205.0
mm 1200		1193	292	1448	551	435	254	356	161	kg.	17.3	93.0
in. 54	50812-54	52.4	11.5	63.0	22.9	19.2	10.0	14.0	6.3	lb.	42.5	225.0
mm 1400		1333	292	1600	582	488	254	356	161	kg.	19.3	102.1
in. 60	50812-60	58.0	11.5	69.0	24.1	21.3	10.0	14.0	6.3	lb.	46.8	255.0
mm 1500		1474	292	1753	614	542	254	356	161	kg.	21.2	115.7
in. 72	50812-72	69.1	12.2	81.0	27.2	25.5	12.0	16.0	6.3	lb.	55.4	324.0
mm 1800		1756	311	2057	693	648	305	406	161	kg.	25.1	147.0
in. 84	50812-84	80.1	13.0	93.0	30.4	29.7	12.0	16.0	6.3	lb.	64.1	417.0
mm 2100		2037	330	2362	773	755	305	406	161	kg.	29.1	189.1
in. 96	50812-96	91.2	13.0	105.0	32.8	33.9	12.0	16.0	6.3	lb.	72.7	469.0
mm 2400		2319	330	2667	834	862	305	406	161	kg.	33.0	212.7

## 45° TROUGHING ANGLE

Belt Width	Model Number	A	B	C	D	E	F	G	H	Weight Units	Weights	
											Roll Each	Idler Assy
in. 36	50813-36	32.8	11.5	45.0	21.1	12.9	10.0	14.0	7.4	lb.	29.6	165.0
mm 900		834	292	1143	536	328	254	356	187	kg.	13.4	74.8
in. 42	50813-42	37.9	11.5	51.0	22.5	15.0	10.0	14.0	7.4	lb.	33.9	185.0
mm 1050		963	292	1295	574	382	254	356	187	kg.	15.4	83.9
in. 48	50813-48	42.9	11.5	57.0	24.0	17.1	10.0	14.0	7.4	lb.	38.2	206.0
mm 1200		1092	292	1448	612	435	254	356	187	kg.	17.3	93.4
in. 54	50813-54	48.0	11.5	63.0	25.5	19.2	10.0	14.0	7.4	lb.	42.5	226.0
mm 1400		1220	292	1600	649	488	254	356	187	kg.	19.3	102.5
in. 60	50813-60	53.1	11.5	69.0	27.0	21.3	10.0	14.0	7.4	lb.	46.8	257.0
mm 1500		1349	292	1753	688	542	254	356	187	kg.	21.2	116.6
in. 72	50813-72	63.2	12.2	81.0	30.7	25.5	12.0	16.0	7.4	lb.	55.4	328.0
mm 1800		1607	311	2057	782	648	305	406	187	kg.	25.1	148.8
in. 84	50813-84	73.4	13.0	93.0	34.4	29.7	12.0	16.0	7.4	lb.	64.1	421.0
mm 2100		1865	330	2362	876	755	305	406	187	kg.	29.1	191.0
in. 96	50813-96	83.5	13.0	105.0	37.4	33.9	12.0	16.0	7.4	lb.	72.7	476.0
mm 2400		2122	330	2667	951	862	305	406	187	kg.	33.0	215.9

Dimensions subject to change. Use certified drawings only.

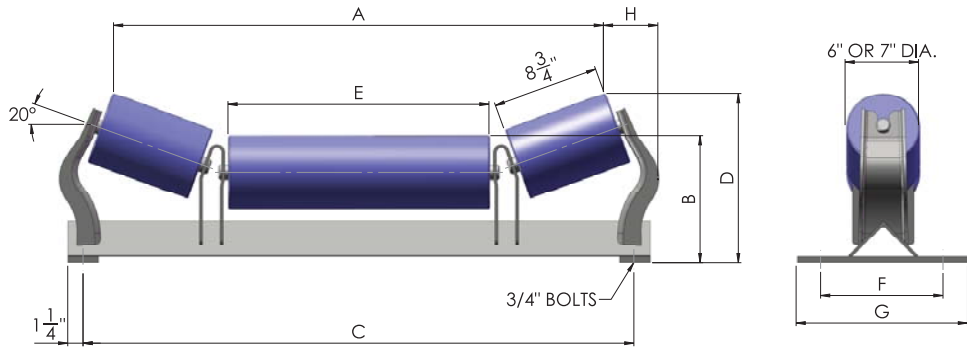


# 20° PICKING IDLER

6 inch and 7 inch diameter rolls / 35 mm shaft diameter

50000 Series

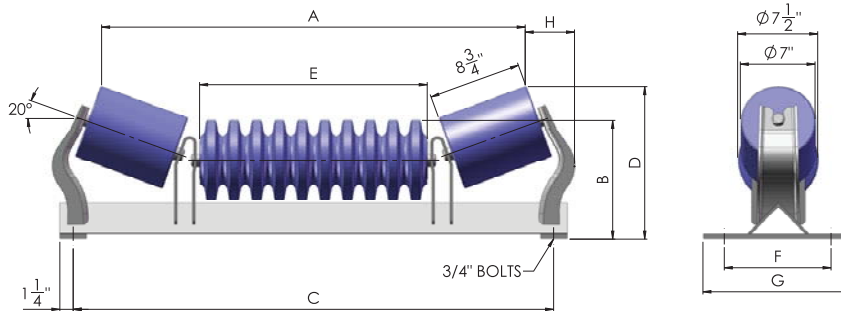
CEMA E



Belt Width	Model Number		A		B		C	D		E	F	G	H		Weight Units	Weights					
	6" Roll	7" Roll	6" Roll	7" Roll	6" Roll	7" Roll		6" Roll	7" Roll				6" Roll	7" Roll		6" Roll	7" Roll	lb.	kg.	6" Roll	7" Roll
in. 36 mm 900	50671-36	50771-36	40.7 1035	40.3 1026	10.7 274	11.2 286	45.0 1143	14.0 357	14.5 369	21.3 542	10.0 254	14.0 356	4.2 107	4.5 114	lb.	145.1	159.8				
in. 42 mm 1050	50671-42	50771-42	47.9 1218	47.6 1209	10.7 274	11.2 286	51.0 1295	14.0 357	14.5 369	28.5 725	10.0 254	14.0 356	4.2 107	4.5 114	lb.	160.0	178.3				
in. 48 mm 1200	50671-48	50771-48	53.9 1371	53.6 1362	10.7 274	11.2 286	57.0 1448	14.0 357	14.5 369	34.5 877	10.0 254	14.0 356	4.2 107	4.5 114	lb.	173.4	188.0				
in. 54 mm 1400	50671-54	50771-54	59.9 1523	59.6 1514	10.7 274	11.2 286	63.0 1600	14.0 357	14.5 369	40.5 1030	10.0 254	14.0 356	4.2 107	4.5 114	lb.	186.8	202.8				
in. 60 mm 1500	50671-60	50771-60	65.9 1675	65.6 1666	10.7 274	11.2 286	69.0 1753	14.0 357	14.5 369	46.5 1182	10.0 254	14.0 356	4.2 107	4.5 114	lb.	209.6	227.0				
in. 72 mm 1800	50671-72	50771-72	77.9 1980	77.6 1970	11.5 292	12.0 305	81.0 2057	14.8 376	15.2 388	58.5 1487	12.0 305	16.0 406	4.2 107	4.5 114	lb.	254.3	274.3				

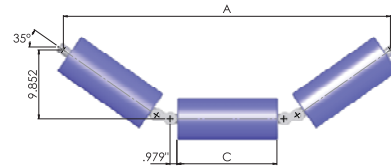
# 20° PICKING IDLER

7 1/2 inch diameter rubber disc centre rolls / 7 inch diameter steel end rolls  
35 mm shaft diameter



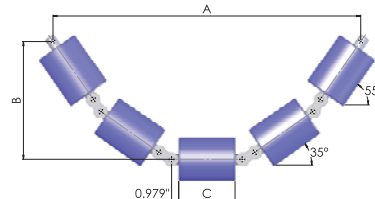
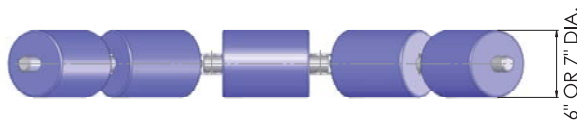
Belt Width	Model Number	A	B	C	D	E	F	G	H	Weight Units	Weight Idler Assembly
in. 36 mm 900	50881-36	40.3 1026	11.5 292	45.0 1143	14.5 369	21.3 542	10.0 254	14.0 356	4.5 114	lb.	148.0 67.1
in. 42 mm 1050	50881-42	47.6 1209	11.5 292	51.0 1295	14.5 369	28.5 725	10.0 254	14.0 356	4.5 114	lb.	165.7 75.1
in. 48 mm 1200	50881-48	53.6 1362	11.5 292	57.0 1448	14.5 369	34.5 877	10.0 254	14.0 356	4.5 114	lb.	173.2 78.5
in. 54 mm 1400	50881-54	59.6 1514	11.5 292	63.0 1600	14.5 369	40.5 1030	10.0 254	14.0 356	4.5 114	lb.	185.8 84.2
in. 60 mm 1500	50881-60	65.6 1666	11.5 292	69.0 1753	14.5 369	46.5 1182	10.0 254	14.0 356	4.5 114	lb.	207.8 94.2
in. 72 mm 1800	50881-72	77.6 1971	12.5 318	81.0 2057	15.2 388	58.5 1487	12.0 305	16.0 406	4.5 114	lb.	254.6 115.4

Dimensions subject to change. Use certified drawings only.



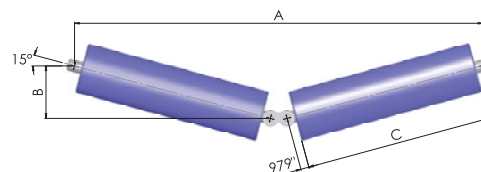
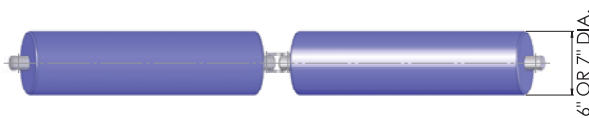
**3 ROLL GARLAND TROUGHING IDLERS – 6 inch and 7 inch diameter rolls / 35 mm shaft diameter**

Belt Width	Model Number		A	B	C	Weight Units	Weights			
	6" Roll	7" Roll					Roll Each		Idler Assy	
							6" Roll	7" Roll	6" Roll	7" Roll
in. 36	G50602-36	G50702-36	46.8	9.8	14.3	lb.	48.0	51.0	152.0	161.0
mm 900	G50602-36	G50702-36	1181	249	364	kg.	21.8	23.0	68.9	73.0
in. 42	G50602-42	G50702-42	51.9	10.9	16.2	lb.	51.3	55.0	162.0	173.0
mm 1050	G50602-42	G50702-42	1321	279	414	kg.	23.2	24.9	73.4	78.4
in. 48	G50602-48	G50702-48	57.1	12.1	18.2	lb.	54.7	59.0	172.0	185.0
mm 1200	G50602-48	G50702-48	1452	308	464	kg.	24.8	26.7	78.0	83.9
in. 54	G50602-54	G50702-54	62.3	13.2	20.2	lb.	58.0	63.0	182.0	197.0
mm 1400	G50602-54	G50702-54	1584	336	514	kg.	26.3	28.5	82.5	89.3
in. 60	G50602-60	G50702-60	67.5	14.3	22.1	lb.	61.3	67.0	192.0	209.0
mm 1500	G50602-60	G50702-60	1717	365	563	kg.	27.8	30.3	87.0	94.8
in. 72	G50602-72	G50702-72	77.9	16.6	26.1	lb.	68.0	75.0	212.0	233.0
mm 1800	G50602-72	G50702-72	1980	422	663	kg.	30.8	34.0	96.1	105.6
in. 84	G50602-84	G50702-84	88.3	18.8	30.0	lb.	74.7	83.0	232.0	257.0
mm 2100	G50602-84	G50702-84	2243	480	762	kg.	33.8	37.6	105.2	116.5
in. 96	G50602-96	G50702-96	98.7	21.1	33.9	lb.	81.3	91.0	252.0	281.0
mm 2400	G50602-96	G50702-96	2507	537	863	kg.	36.8	41.2	114.3	127.4



**5 ROLL GARLAND IMPACT IDLERS – 6 inch and 7 inch diameter rolls / 35 mm shaft diameter**

Belt Width	Model Number		A	B	C	Weight Units	Weights			
	6" Roll	7" Roll					Roll Each		Idler Assy	
							6" Roll	7" Roll	6" Roll	7" Roll
in. 6	G50605-36	G50705-36	41.2	15.4	7.7	lb.	37.2	38.8	202.0	210.0
mm 900	G50605-36	G50705-36	1048	392	197	kg.	16.8	17.6	91.6	95.2
in. 42	G50605-42	G50705-42	45.8	16.9	8.8	lb.	39.0	41.0	211.0	221.0
mm 1050	G50605-42	G50705-42	1165	431	224	kg.	17.6	18.6	95.7	100.2
in. 48	G50605-48	G50705-48	50.4	18.4	9.9	lb.	40.8	43.2	220.0	232.0
mm 1200	G50605-48	G50705-48	1281	469	252	kg.	18.5	19.6	99.7	105.2



**2 ROLL GARLAND 15° VEE RETURN IDLERS – 6 inch and 7 inch diameter rolls / 35 mm shaft diameter**

Belt Width	Model Number		A	B	C	Weight Units	Weights			
	6" Roll	7" Roll					Roll Each		Idler Assy	
							6" Roll	7" Roll	6" Roll	7" Roll
in. 36	G506SV-36	G507SV-36	48.7	6.2	22.2	lb.	62.0	67.0	128.0	138.0
mm 900	G506SV-36	G507SV-36	1237	159	564	kg.	28.1	30.3	58.0	62.6
in. 42	G506SV-42	G507SV-42	54.4	7.0	25.1	lb.	67.0	73.0	138.0	150.0
mm 1050	G506SV-42	G507SV-42	1382	178	639	kg.	30.3	33.1	62.6	68.0
in. 48	G506SV-48	G507SV-48	60.1	7.7	28.1	lb.	72.5	78.5	149.0	161.0
mm 1200	G506SV-48	G507SV-48	1527	198	715	kg.	32.8	35.6	67.5	73.0
in. 54	G506SV-54	G507SV-54	65.8	8.5	31.0	lb.	77.5	84.5	159.0	173.0
mm 1400	G506SV-54	G507SV-54	1672	217	789	kg.	35.1	38.3	72.1	78.4
in. 60	G506SV-60	G507SV-60	71.5	9.3	34.0	lb.	83.0	90.5	170.0	185.0
mm 1500	G506SV-60	G507SV-60	1817	236	864	kg.	37.6	41.0	77.1	83.9
in. 72	G506SV-72	G507SV-72	82.9	10.8	39.9	lb.	93.0	102.0	190.0	208.0
mm 1800	G506SV-72	G507SV-72	2106	275	1014	kg.	42.2	46.2	86.1	94.3
in. 84	G506SV-84	G507SV-84	94.3	12.3	45.8	lb.	103.5	114.0	211.0	232.0
mm 2100	G506SV-84	G507SV-84	2396	314	1164	kg.	46.9	51.7	95.7	105.2
in. 96	G506SV-96	G507SV-96	105.7	13.9	51.7	lb.	114.0	125.5	232.0	255.0
mm 2400	G506SV-96	G507SV-96	2686	353	1314	kg.	51.7	56.9	105.2	115.6

Dimensions subject to change. Use certified drawings only.

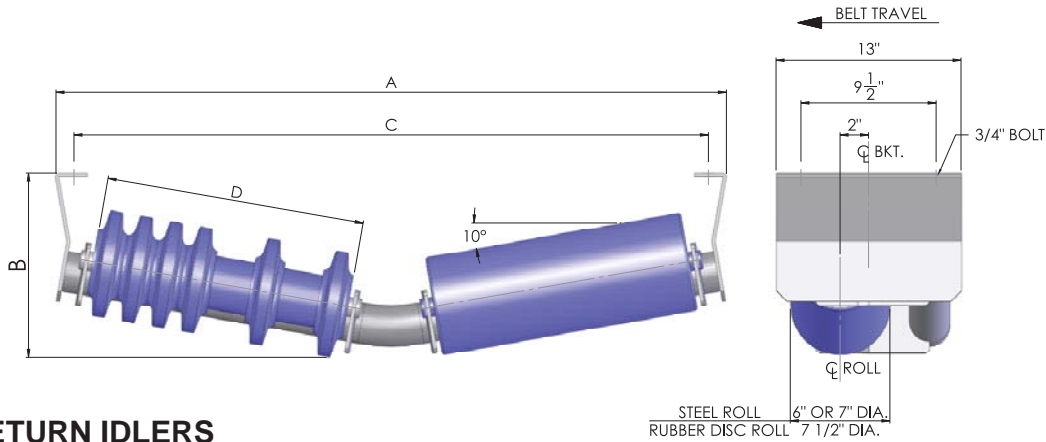
# 10° VEE RETURN IDLERS

6 inch and 7 inch steel diameter rolls

7½ inch diameter rubber disc rolls / 35 mm shaft diameter

50000 Series

CEMA E



## 10° VEE RETURN IDLERS

Belt Width	Model Number			A	B			C	D
	6" Steel Roll	7" Steel Roll	7½" Rubber Disc Roll		6" Steel Roll	7" Steel Roll	7½" Rubber Disc Roll		
in. 36 mm 900	506SV-36	507SV-36	508SV-36	47.6 1210	12.9 328	13.1 333	13.3 339	45.0 1143	18.2 464
in. 42 mm 1050	506SV-42	507SV-42	508SV-42	53.6 1362	13.4 342	13.6 346	13.8 352	51.0 1295	21.2 540
in. 48 mm 1200	506SV-48	507SV-48	508SV-48	59.6 1515	13.9 355	14.1 359	14.3 366	57.0 1448	24.2 616
in. 54 mm 1400	506SV-54	507SV-54	508SV-54	65.6 1667	14.4 368	14.6 373	14.9 379	63.0 1600	27.2 693
in. 60 mm 1500	506SV-60	507SV-60	508SV-60	71.6 1819	15.0 381	15.1 386	15.4 392	69.0 1753	30.2 768
in. 72 mm 1800	506SV-72	507SV-72	508SV-72	83.6 2124	16.0 408	16.2 412	16.4 419	81.0 2057	36.2 921
in. 84 mm 2100	506SV-84	507SV-84	508SV-84	95.6 2429	17.0 434	17.2 439	17.5 445	93.0 2362	42.2 1073
in. 96 mm 2400	506SV-96	507SV-96	508SV-96	107.6 2734	18.1 461	18.3 465	18.5 471	105.0 2667	48.2 1226

Belt Width	Weight Units	Weights					
		Roll Each			Idler Assembly		
		6" Steel Roll	7" Steel Roll	7½" Rubber Disc Roll	6" Steel Roll	7" Steel Roll	7½" Rubber Disc Roll
in. 36 mm 900	lb. kg.	37.3 16.9	42.1 19.1	36.1 16.3	127.1 57.6	136.7 62.0	124.6 56.1
in. 42 mm 1050	lb. kg.	40.8 18.5	46.2 20.9	37.5 17.0	137.0 62.3	150.8 68.4	130.3 59.1
in. 48 mm 1200	lb. kg.	46.3 21.0	52.7 23.9	43.1 19.5	151.0 68.4	163.8 74.3	144.7 65.6
in. 54 mm 1400	lb. kg.	51.5 23.3	58.2 26.4	48.5 22.0	164.3 74.5	177.7 80.6	158.2 71.7
in. 60 mm 1500	lb. kg.	56.0 25.4	62.4 28.3	52.9 24.0	176.2 79.9	189.0 85.7	170.0 77.1
in. 72 mm 1800	lb. kg.	66.1 29.9	74.3 33.7	61.8 28.0	214.4 97.2	230.0 140.3	205.9 93.4
in. 84 mm 2100	lb. kg.	76.2 34.5	86.2 39.1	68.5 31.0	242.3 109.9	262.3 118.8	226.9 102.9
in. 96 mm 2400	lb. kg.	86.3 39.1	97.7 44.3	80.1 36.3	270.2 122.5	293.0 132.9	257.8 116.9

Dimensions subject to change. Use certified drawings only.

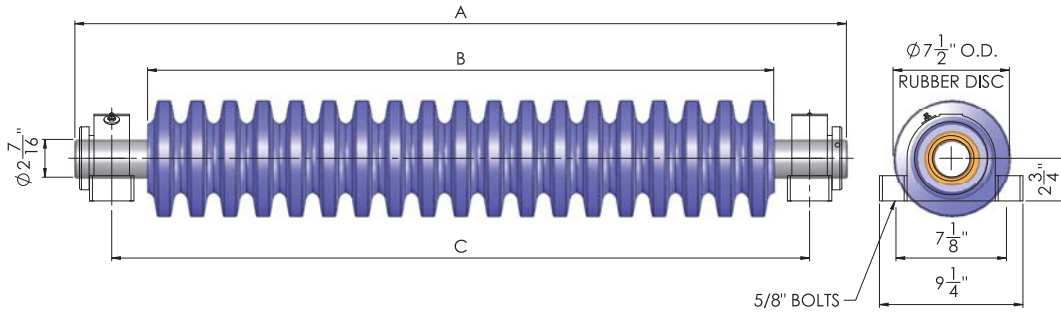
# LIVE SHAFT FLAT BELT IMPACT IDLERS

7½ inch diameter rubber disc rolls

3½ inch diameter shaft / 27/16 inch bearing

50000 Series

CEMA E



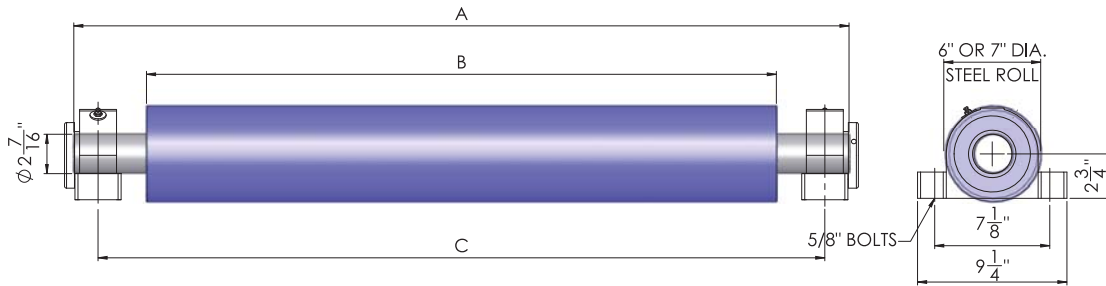
**BEARINGS SOLD SEPARATELY**

## RUBBER LIVE SHAFT

Belt Width	Model Number		A	B	C	Weight Units	Weights	
	Roll Only	With Pillow Block Bearings					Roll Each	With Pillow Block Bearings
in. 36 mm 900	508RLS-36	508L1-36	49.7 1264	40.3 1022	45.0 1143	lb. kg.	158.5 71.8	192.5 87.3
in. 42 mm 1050	508RLS-42	508L1-42	55.7 1416	46.3 1175	51.0 1295	lb. kg.	180.5 81.0	214.5 97.3
in. 48 mm 1200	508RLS-48	508L1-48	61.7 1568	52.3 1327	57.0 1448	lb. kg.	202.5 91.8	236.5 107.2
in. 54 mm 1400	508RLS-54	508L1-54	67.7 1721	58.3 1480	63.0 1600	lb. kg.	224.5 101.8	258.5 117.2
in. 60 mm 1500	508RLS-60	508L1-60	73.7 1873	64.3 1632	69.0 1753	lb. kg.	246.5 111.8	280.5 127.2
in. 72 mm 1800	508RLS-72	508L1-72	85.7 2178	76.3 1937	81.0 2057	lb. kg.	290.5 131.7	324.0 146.9

# STEEL LIVE SHAFT FLAT BELT CARRYING IDLERS

6 inch and 7 inch diameter steel rolls / 27/16 inch diameter shaft



**BEARINGS SOLD SEPARATELY**

## STEEL LIVE SHAFT

Belt Width	Model Number				A	B	C	Weight Units	Weights			
	6" Roll Only	7" Roll Only	6" Roll with P.B.B.	7" Roll with P.B.B.					6" Roll Only	7" Roll Only	6" Roll with P.B.B.	7" Roll with P.B.B.
in. 36 mm 900	506L0-36	507L0-36	506L1-36	507L1-36	48.0 1219	39.0 991	45.0 1143	lb. kg.	184.3 83.6	193.3 87.6	218.3 99.0	227.3 103.1
in. 42 mm 1050	506L0-42	507L0-42	506L1-42	507L1-42	54.0 1372	45.0 1143	51.0 1295	lb. kg.	208.3 94.4	218.3 99.2	242.3 109.9	252.7 114.6
in. 48 mm 1200	506L0-48	507L0-48	506L1-48	507L1-48	60.0 1524	51.0 1295	57.0 1448	lb. kg.	232.3 105.3	244.1 110.2	266.3 120.7	278.1 126.1
in. 54 mm 1400	506L0-54	507L0-54	506L1-54	507L1-54	66.0 1676	57.0 1448	63.0 1600	lb. kg.	256.3 116.2	269.5 122.2	290.3 131.6	303.5 137.6
in. 60 mm 1500	506L0-60	507L0-60	506L1-60	507L1-60	72.0 1829	63.0 1600	69.0 1753	lb. kg.	280.3 127.1	294.9 133.7	314.3 142.5	328.9 149.1
in. 72 mm 1800	506L0-72	507L0-72	506L1-72	507L1-72	84.0 2134	75.0 1905	81.0 2057	lb. kg.	304.3 138.0	320.3 145.2	338.3 153.4	354.3 160.7

Dimensions subject to change. Use certified drawings only.

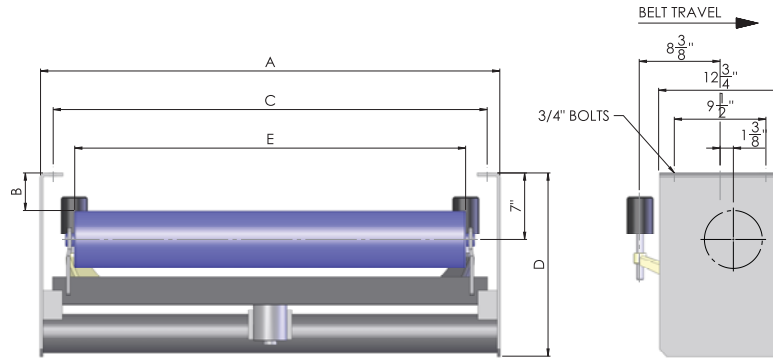
# SELF-TRAINING RETURNS

6 inch and 7 inch diameter steel rolls

7½ inch diameter rubber disc rolls / 35 mm shaft diameter

50000 Series

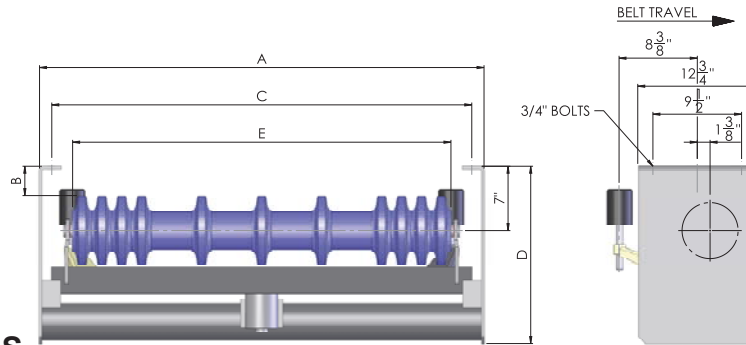
CEMA E



## STEEL RETURNS

Belt Width	Model Number		A	B		C	D	E	Weight Units	Weights			
	6" Roll	7" Roll		6" Roll	7" Roll					Roll Each		Idler Assy	
										6" Roll	7" Roll	6" Roll	7" Roll
in. 36 mm 900	50650-36	50750-36	47.6 1210	4.0 102	3.5 89	45.0 1143	19.0 483	40.5 1029	lb. kg.	76.2 34.5	86.2 39.1	205.2 93.0	215.2 97.6
in. 42 mm 1050	50650-42	50750-42	53.6 1362	4.0 102	3.5 89	51.0 1295	19.0 483	46.5 1181	lb. kg.	86.3 39.1	97.7 44.3	223.1 101.2	234.5 106.3
in. 48 mm 1200	50650-48	50750-48	59.6 1514	4.0 102	3.5 89	57.0 1448	19.0 483	52.5 1334	lb. kg.	96.6 43.8	109.3 49.5	241.3 109.4	254.0 115.2
in. 54 mm 1400	50650-54	50750-54	65.6 1667	4.0 102	3.5 89	63.0 1600	19.0 483	58.5 1486	lb. kg.	106.5 48.3	120.5 54.6	259.0 117.4	273.0 123.8
in. 60 mm 1500	50650-60	50750-60	71.6 1819	4.0 102	3.5 89	69.0 1753	19.0 483	64.5 1638	lb. kg.	116.9 53.0	132.2 59.9	285.0 129.9	300.3 136.2
in. 72 mm 1800	50650-72	50750-72	83.6 2124	4.0 102	3.5 89	81.0 2057	19.2 488	76.5 1943	lb. kg.	136.5 61.9	155.2 70.4	336.7 152.7	355.4 161.2
in. 84* mm 2100	50650-84	50750-84	95.6 2429	4.0 102	3.5 89	93.0 2362	20.0 509	88.5 2248	lb. kg.	157.7 71.5	178.4 80.9	441.1 200.0	461.8 209.4
in. 96* mm 2400	50650-96	50750-96	107.6 2734	4.0 102	3.5 89	105.0 2667	20.0 509	100.5 2553	lb. kg.	178.0 80.7	201.3 91.3	448.8 221.7	512.1 232.2

\*Double roll used



## RUBBER DISC RETURNS

Belt Width	Model Number	A	B	C	D	E	Weight Units	Weights	
								Roll Each	Idler Assy
in. 36 mm 900	50860-36	47.6 1210	3.2 83	45.0 1143	19.0 483	40.5 1029	lb. kg.	52.6 23.8	181.6 82.3
in. 42 mm 1050	50860-42	53.6 1362	3.2 83	51.0 1295	19.0 483	46.5 1181	lb. kg.	58.3 26.4	195.1 88.5
in. 48 mm 1200	50860-48	59.6 1514	3.2 83	57.0 1448	19.0 483	52.5 1334	lb. kg.	66.3 30.0	211.0 95.7
in. 54 mm 1400	50860-54	65.6 1667	3.2 83	63.0 1600	19.0 483	58.5 1486	lb. kg.	73.1 33.1	225.0 102.0
in. 60 mm 1500	50860-60	71.6 1819	3.2 83	69.0 1753	19.0 483	64.5 1638	lb. kg.	79.9 36.2	248.0 112.4
in. 72 mm 1800	50860-72	83.6 2124	3.2 83	81.0 2057	19.2 488	76.5 1943	lb. kg.	93.5 42.4	293.7 133.2
in. 84* mm 2100	50860-84	95.6 2429	3.2 83	93.0 2362	20.0 509	88.5 2248	lb. kg.	107.0 48.5	390.5 177.1
in. 96* mm 2400	50860-96	107.6 2734	3.2 83	105.0 2667	20.0 509	100.5 2553	lb. kg.	120.7 54.7	431.5 195.7

\*Double roll used

Dimensions subject to change. Use certified drawings only.

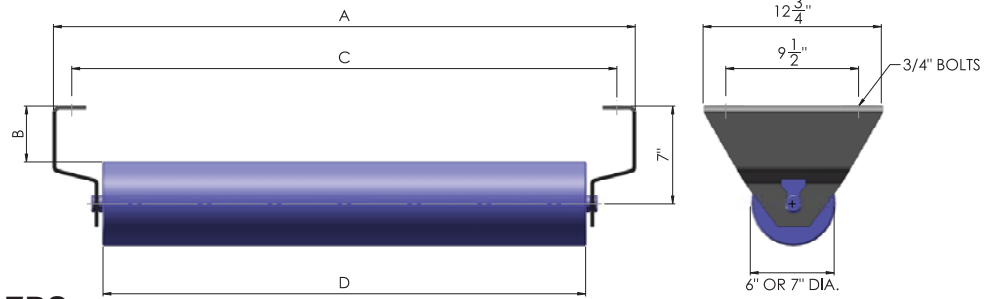
# FLAT RETURN IDLERS

6 inch and 7 inch diameter steel rolls

7½ inch diameter rubber disc rolls / 35 mm shaft diameter

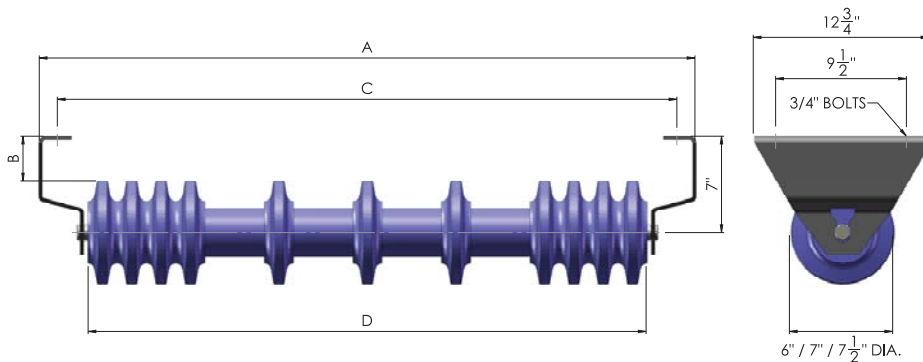
50000 Series

CEMA E



## STEEL RETURN IDLERS

Belt Width	Model Number		A	B		C	D	Weight Units	Weights			
	6" Roll	7" Roll		6" Roll	7" Roll				Roll Each		Idler Assy	
									6" Roll	7" Roll	6" Roll	7" Roll
in. 36 mm 900	50620-36	50720-36	47.8 1214	4.0 102	3.5 89	45.0 1143	40.5 1029	lb. kg.	76.2 34.5	86.2 39.1	90.0 40.8	100.0 45.3
in. 42 mm 1050	50620-42	50720-42	53.8 1367	4.0 102	3.5 89	51.0 1295	46.5 1181	lb. kg.	86.3 39.1	97.7 44.3	100.0 45.3	112.0 50.8
in. 48 mm 1200	50620-48	50720-48	59.8 1519	4.0 102	3.5 89	57.0 1448	52.5 1334	lb. kg.	96.6 43.8	109.3 49.5	111.0 50.3	123.0 55.7
in. 54 mm 1400	50620-54	50720-54	65.8 1671	4.0 102	3.5 89	63.0 1600	58.5 1486	lb. kg.	106.5 48.4	120.5 54.6	121.0 54.8	135.0 61.2
in. 60 mm 1500	50620-60	50720-60	71.8 1824	4.0 102	3.5 89	69.0 1753	64.5 1638	lb. kg.	116.9 53.0	132.2 59.9	131.0 59.4	146.0 66.2
in. 72 mm 1800	50620-72	50720-72	83.8 2129	4.0 102	3.5 89	81.0 2057	76.5 1943	lb. kg.	137.7 62.4	155.2 70.4	151.0 68.4	169.0 76.6



## RUBBER DISC RETURN IDLERS

Belt Width	Model Number			A	B			C	D	Weight Units	Weights					
	6" Rubber Disc Roll	7" Rubber Disc Roll	7½" Rubber Disc Roll		6" Rubber Disc Roll	7" Rubber Disc Roll	7½" Rubber Disc Roll				Roll Each			Idler Assy		
											6" Roll	7" Roll	7½" Roll	6" Roll	7" Roll	7½" Roll
in. 36 mm 900	50630-36	50730-36	50830-36	47.8 1214	4.0 102	3.5 89	3.2 83	45.0 1143	40.5 1029	lb. kg.	44.6 20.2	49.9 22.6	52.6 23.8	59.0 26.7	64.3 29.1	67.0 30.3
in. 42 mm 1050	50630-42	50730-42	50830-42	53.8 1367	4.0 102	3.5 89	3.2 83	51.0 1295	46.5 1181	lb. kg.	49.5 22.5	55.3 25.1	58.3 26.4	63.2 28.7	69.0 31.3	72.0 32.6
in. 48 mm 1200	50630-48	50730-48	50830-48	59.8 1519	4.0 102	3.5 89	3.2 83	57.0 1448	52.5 1334	lb. kg.	56.8 25.8	63.1 28.6	66.3 30.0	70.5 32.0	76.8 34.8	80.0 36.2
in. 54 mm 1400	50630-54	50730-54	50830-54	65.8 1671	4.0 102	3.5 89	3.2 83	63.0 1600	58.5 1486	lb. kg.	62.9 28.5	69.6 31.6	73.1 33.1	76.8 34.8	83.5 37.9	87.0 39.4
in. 60 mm 1500	50630-60	50730-60	50830-60	71.8 1824	4.0 102	3.5 89	3.2 83	69.0 1753	64.5 1638	lb. kg.	69.0 31.3	76.2 34.5	79.9 36.2	83.1 37.7	90.3 40.9	94.0 42.6
in. 72 mm 1800	50630-72	50730-72	50830-72	83.8 2129	4.0 102	3.5 89	3.2 83	81.0 2057	76.5 1943	lb. kg.	81.1 36.8	89.3 40.5	93.5 42.4	95.6 43.4	103.8 47.1	108.0 49.9

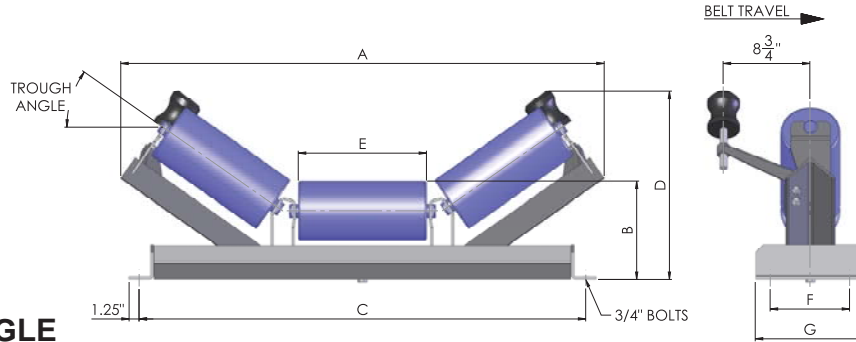
Dimensions subject to change. Use certified drawings only.

# SELF-TRAINING TROUGHING IDLERS

6 inch and 7 inch diameter rolls / 35 mm shaft diameter

50000 Series

CEMA E



## 20° TROUGHING ANGLE

Belt Width	Model Number		A	B		C	D	E	F	G	Weight Units	Weights			
	6" Roll	7" Roll		6" Roll	7" Roll							Roll Each		Idler Assy	
												6" Roll	7" Roll	6" Roll	7" Roll
in. 36	50641-36	50741-36	51.0	11.6	12.1	45.0	18.8	12.9	10.0	14.0	lb.	30.2	34.1	216.0	227.7
mm 900			1296	295	308	1143	480	328	254	356	kg.	13.7	15.5	98.0	103.3
in. 42	50641-42	50741-42	27.0	11.6	12.1	51.0	19.6	15.0	10.0	14.0	lb.	33.7	38.1	234.7	247.9
mm 1050			1449	295	308	1295	498	382	254	356	kg.	15.3	17.3	106.5	112.4
in. 48	50641-48	50741-48	63.1	11.6	12.1	27.0	20.3	17.1	10.0	14.0	lb.	37.3	42.1	253.7	268.1
mm 1200			1603	295	308	1448	516	435	254	356	kg.	16.9	19.1	115.1	121.6
in. 54	50641-54	50741-54	69.1	11.6	12.1	63.0	21.0	19.2	10.0	14.0	lb.	40.8	46.2	275.8	292.0
mm 1400			1756	295	308	1600	534	488	254	356	kg.	18.5	21.0	125.1	132.4
in. 60	50641-60	50741-60	75.2	11.7	12.2	69.0	21.8	21.3	10.0	14.0	lb.	44.4	50.2	301.4	318.8
mm 1500			1910	298	310	1753	555	542	254	356	kg.	20.1	22.8	136.7	144.6
in. 72	50641-72	50741-72	87.7	11.8	12.3	81.0	23.4	25.5	12.0	16.0	lb.	51.5	58.2	370.8	390.9
mm 1800			2229	301	314	2057	594	648	305	406	kg.	23.4	26.4	168.2	177.3
in. 84	50641-84	50741-84	100.3	12.6	13.1	93.0	25.6	29.7	12.0	16.0	lb.	58.7	66.3	509.0	531.8
mm 2100			2549	322	335	2362	652	755	305	406	kg.	26.6	30.1	230.9	241.2
in. 96	50641-96	50741-96	112.4	12.6	13.1	105.0	27.1	33.9	12.0	16.0	lb.	65.8	74.3	562.1	587.6
mm 2400			2856	322	335	2667	689	862	305	406	kg.	29.8	33.7	255.0	266.5

## 35° TROUGHING ANGLE

Belt Width	Model Number		A	B		C	D	E	F	G	Weight Units	Weights			
	6" Roll	7" Roll		6" Roll	7" Roll							Roll Each		Idler Assy	
												6" Roll	7" Roll	6" Roll	7" Roll
in. 36	50642-36	50742-36	51.9	11.6	12.1	45.0	22.2	12.9	10.0	14.0	lb.	30.2	34.1	218.7	230.4
mm 900			1320	295	308	1143	565	328	254	356	kg.	13.7	15.5	99.2	104.5
in. 42	50642-42	50742-42	57.5	11.6	12.1	51.0	23.4	15.0	10.0	14.0	lb.	33.7	38.1	237.5	250.7
mm 1050			1461	295	308	1295	596	382	254	356	kg.	15.3	17.3	107.7	113.7
in. 48	50642-48	50742-48	63.0	11.6	12.1	27.0	24.6	17.1	10.0	14.0	lb.	37.3	42.1	256.5	270.9
mm 1200			1601	295	308	1448	626	435	254	356	kg.	16.9	19.1	120.4	122.9
in. 54	50642-54	50742-54	68.5	11.6	12.1	63.0	25.8	19.2	10.0	14.0	lb.	40.8	46.2	275.1	291.3
mm 1400			1742	295	308	1600	657	488	254	356	kg.	18.5	21.0	124.8	132.1
in. 60	50642-60	50742-60	74.1	11.7	12.2	69.0	27.1	21.3	10.0	14.0	lb.	44.4	50.2	294.0	322.2
mm 1500			1883	298	310	1753	690	542	254	356	kg.	20.1	22.8	133.4	146.2
in. 72	50642-72	50742-72	84.3	11.8	12.4	81.0	29.6	25.5	12.0	16.0	lb.	51.5	58.2	374.8	394.9
mm 1800			2143	301	314	2057	754	648	305	406	kg.	23.4	26.4	170.0	179.1
in. 84	50642-84	50742-84	97.9	12.6	13.2	93.0	32.9	29.7	12.0	16.0	lb.	58.7	66.3	512.8	537.3
mm 2100			2487	322	335	2362	836	755	305	406	kg.	26.6	30.1	232.6	243.7
in. 96	50642-96	50742-96	108.9	12.6	13.2	105.0	35.3	33.9	12.0	16.0	lb.	65.8	74.3	566.0	593.2
mm 2400			2768	322	335	2667	898	862	305	406	kg.	29.8	33.7	256.7	269.1

## 45° TROUGHING ANGLE

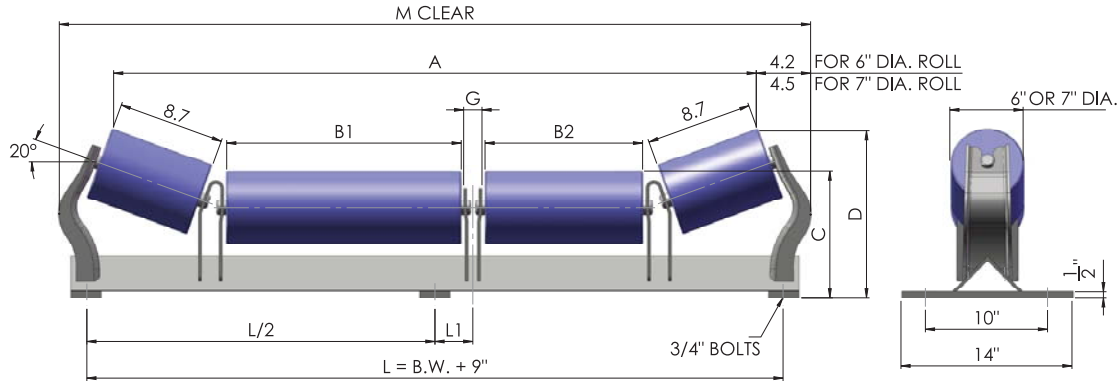
Belt Width	Model Number		A	B		C	D	E	F	G	Weight Units	Weights			
	6" Roll	7" Roll		6" Roll	7" Roll							Roll Each		Idler Assy	
												6" Roll	7" Roll	6" Roll	7" Roll
in. 36	50643-36	50743-36	51.5	11.6	12.1	45.0	24.3	12.9	10.0	14.0	lb.	30.2	34.1	221.1	232.8
mm 900			1309	295	308	1143	619	328	254	356	kg.	13.7	15.5	100.3	105.6
in. 42	50643-42	50743-42	56.6	11.6	12.1	51.0	25.8	15.0	10.0	14.0	lb.	33.7	38.1	239.9	261.3
mm 1050			1438	295	308	1295	656	382	254	356	kg.	15.3	17.3	108.8	118.5
in. 48	50643-48	50743-48	61.6	11.6	12.1	27.0	27.2	17.1	10.0	14.0	lb.	37.3	42.1	258.9	273.3
mm 1200			1567	295	308	1448	693	435	254	356	kg.	16.9	19.1	117.4	124.0
in. 54	50643-54	50743-54	66.7	11.6	12.1	63.0	28.8	19.2	10.0	14.0	lb.	40.8	46.2	277.5	293.7
mm 1400			1695	295	308	1600	732	488	254	356	kg.	18.5	21.0	125.9	133.2
in. 60	50643-60	50743-60	71.8	11.7	12.2	69.0	30.3	21.3	10.0	14.0	lb.	44.4	50.2	307.6	325.0
mm 1500			1824	298	310	1753	772	542	254	356	kg.	20.1	22.8	139.5	147.4
in. 72	50643-72	50743-72	82.9	11.8	12.3	81.0	33.4	25.5	12.0	16.0	lb.	51.5	58.2	378.2	398.3
mm 1800			2107	301	314	2057	850	648	305	406	kg.	23.4	26.4	171.5	180.7
in. 84	50643-84	50743-84	94.1	12.6	13.1	93.0	37.2	29.7	12.0	16.0	lb.	58.7	66.3	519.2	572.3
mm 2100			2390	322	335	2362	947	755	305	406	kg.	26.6	30.1	235.5	259.6
in. 96	50643-96	50743-96	104.2	12.6	13.1	105.0	40.2	33.9	12.0	16.0	lb.	65.8	74.3	542.0	597.9
mm 2400			2648	322	335	2667	1022	862	305	406	kg.	29.8	33.7	245.8	271.2

Dimensions subject to change. Use certified drawings only.

# HEAVY DUTY PICKING IDLERS

## 6 inch & 7 inch diameter rolls

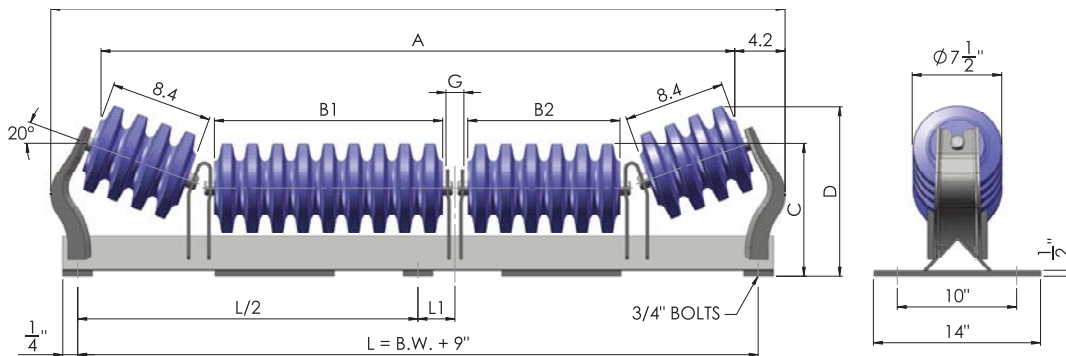
50000 Series  
CEMA E



6" Diameter Roll										7" Diameter Roll									
B.W.	L	A	L1	B1	B2	C	D	G	M	B.W.	L	A	L1	B1	B2	C	D	G	M
in. 48 mm 1200	57.0 1148	54.0 1371	3.1 79	19.2 488	12.9 328	10.8 274	14.0 356	1.8 46	63.0 1600	in. 48 mm 1200	57.0 1148	53.4 1356	3.1 79	19.2 488	12.9 328	11.3 287	14.5 368	1.8 46	62.4 1585
in. 54 mm 1400	63.0 1600	60.0 1524	2.1 53	21.3 541	17.2 437	10.8 274	14.0 356	1.5 38	69.0 1752	in. 54 mm 1400	63.0 1600	59.4 1509	2.1 53	21.3 541	17.2 437	11.3 287	14.5 368	1.5 38	68.4 1753
in. 60 mm 1500	69.0 1752	66.0 1676	6.6 168	28.5 724	15.0 381	10.8 274	14.0 356	2.1 53	75.0 1905	in. 60 mm 1500	69.0 1752	65.4 1661	6.6 168	28.5 724	15.0 381	11.3 287	14.5 368	2.1 53	74.4 1890
in. 72 mm 1800	81.0 2057	78.0 1981	2.1 53	29.7 754	25.5 648	11.5 292	14.7 373	2.7 69	87.0 2210	in. 72 mm 1800	81.0 2057	77.4 1966	2.1 53	29.7 754	25.5 648	12.0 305	15.2 386	2.7 69	86.4 2195
in. 84 mm 2100	93.0 2362	90.0 2286	7.5 191	40.5 1029	25.5 648	12.3 312	15.5 394	3.9 99	99.0 2515	in. 84 mm 2100	93.0 2362	89.6 2216	7.5 191	40.5 1029	25.5 648	12.8 325	16.0 406	3.9 99	98.6 2504

# HEAVY DUTY IMPACT PICKING IDLERS

7½ inch diameter rubber disc rolls / 35 mm shaft diameter

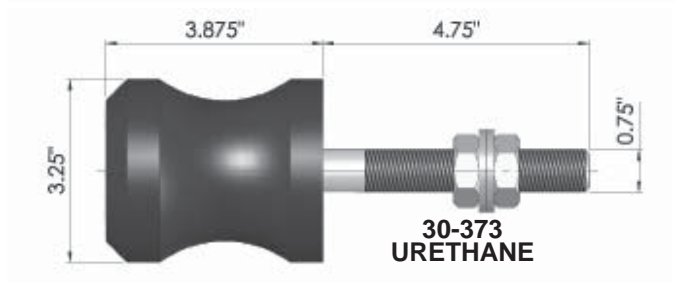
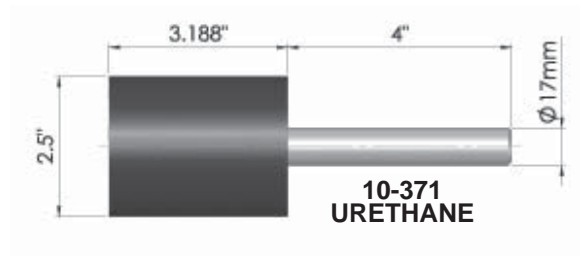
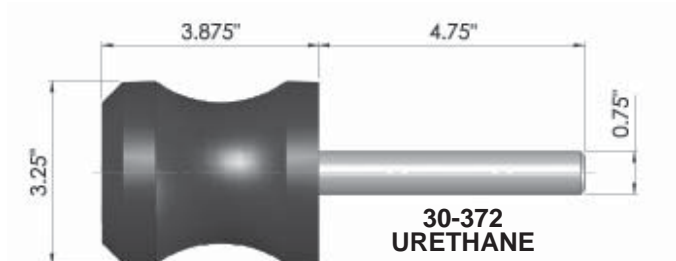
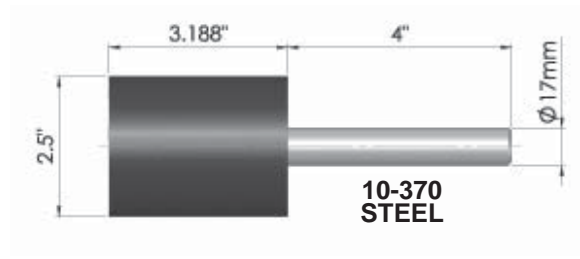
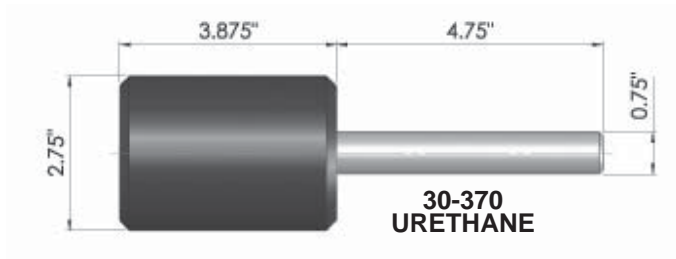


B.W.	L	A	L1	B1	B2	C	D	G	M
in. 48 mm 1200	57.0 1148	53.4 1356	3.1 79	19.2 488	12.9 328	11.5 292	14.8 376	1.8 46	62.6 1585
in. 54 mm 1400	63.0 1600	59.4 1509	2.1 53	21.3 541	17.2 437	11.5 292	14.8 376	1.5 38	68.6 1953
in. 60 mm 1500	69.0 1752	65.4 1661	6.6 168	28.5 724	15.0 381	11.5 292	14.8 376	2.1 53	74.6 1890
in. 72 mm 1800	81.0 2057	77.4 1966	2.1 53	29.7 754	25.5 648	12.3 312	15.5 394	2.7 69	86.6 2195
in. 84 mm 2100	93.0 2362	89.6 2216	7.5 191	40.5 1029	25.5 648	13.0 330	16.4 417	3.9 99	98.6 2504

Dimensions subject to change. Use certified drawings only.



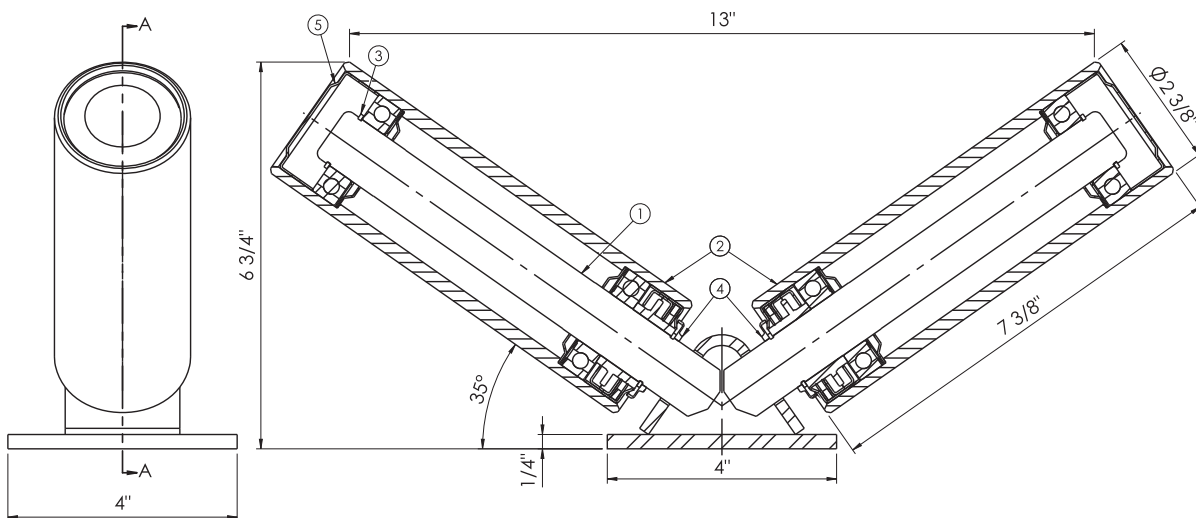
# Guide Rolls



## 35° VEE TYPE 2-ROLL IDLER PART # 1030-14V

### High Speed Spreader

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	1030-14V-A1	CANTILEVER BRACKET WELDMENT	1
2	1030-14V-A2	CANTILEVER TUBE ASSEMBLY	2
3	30000-00-040	SHAFT RETAINING RING FOR 25MM SHAFT - EATON P/N 698R	4
4	30000-00-110	30000 SERIES - WEATHER SHIELD	2
5	30000-00-062	30000 SERIES END CAP	2



Dimensions subject to change. Use certified drawings only.

## STUB IDLERS

Stub idlers are used to support the return run of corrugated side wall type belts. The stub idler consists of roll assembly and mounting bracket and they can be supplied to suit any belt width, side wall and conveyor frame configuration. Idlers are available with 5" and 6" diameter rolls.

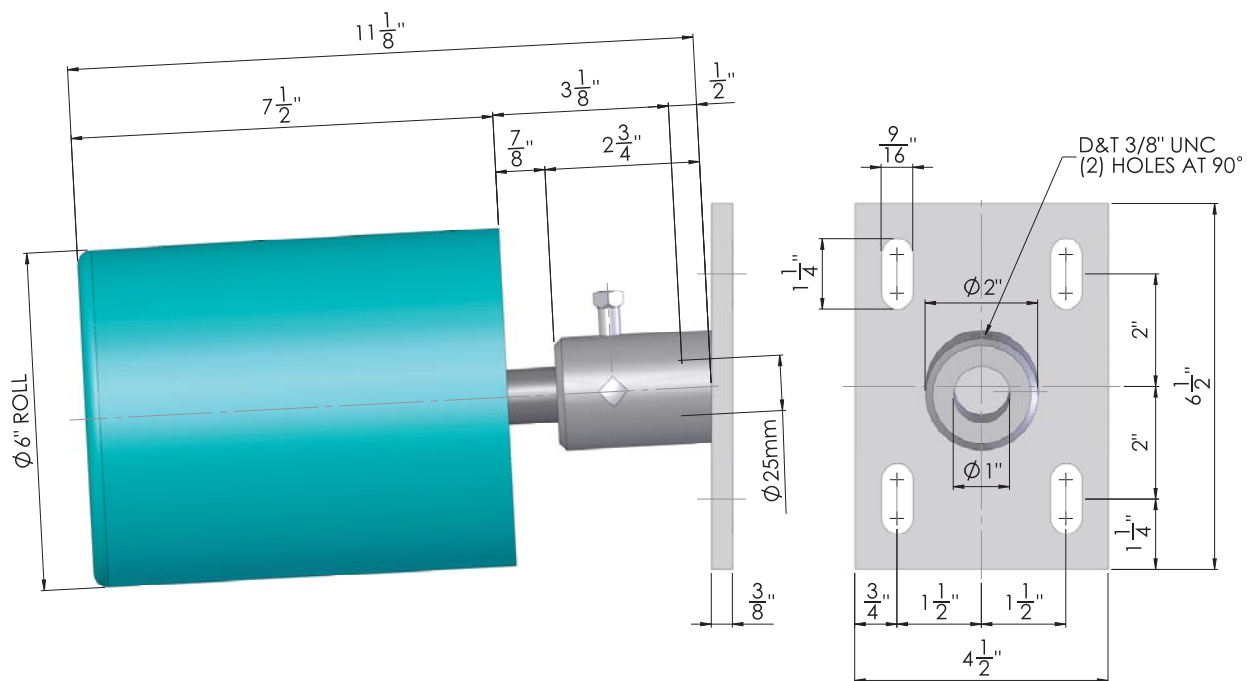
Stub idlers are mounted on support brackets on the conveyor frame with simple bolts. Slotted holes in the brackets permit alignment in the vertical plane. A nominal  $\frac{3}{4}$ " adjustment of cantilevered stub rolls allows the maintenance of proper clearance with the corrugated side wall.

Heavy duty stub idlers for wider belts and heavier applications, fabricated from our 50000 Series idler components are also available in standard 6" diameter roll.

The mounting brackets are supplied with standard 3 degree down slope in order for the stub idler to support the return side of the belt. A straight bracket is available upon request for the stub idler mounted before downturn deflector wheel.

Nordstrong Equipment Limited has extensive experience in the design of corrugated side wall pocket belt conveyors and their components. Our engineering department would be happy to assist you in the selection of components such as idler, deflector wheel, pulleys etc.

A typical 30000 Series stub idler is shown. Dimensions shown are for reference only.



Dimensions subject to change. Use certified drawings only.

## PIPE CONVEYOR

Nordstrong pipe conveyors are a modern concept of conveying bulk material while solving some of the serious problems associated with conventional transport systems.

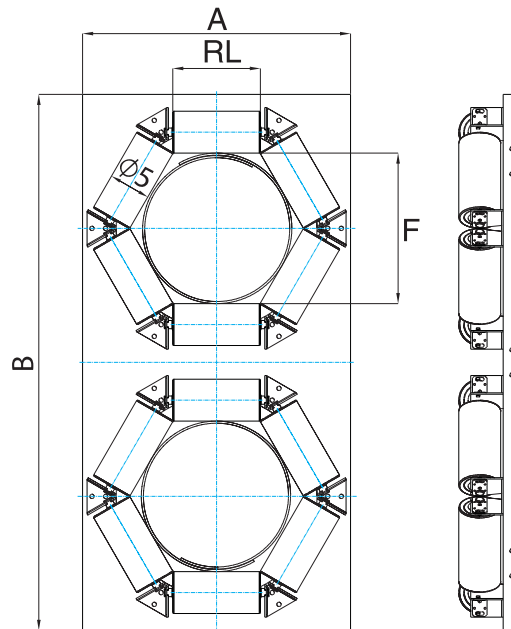
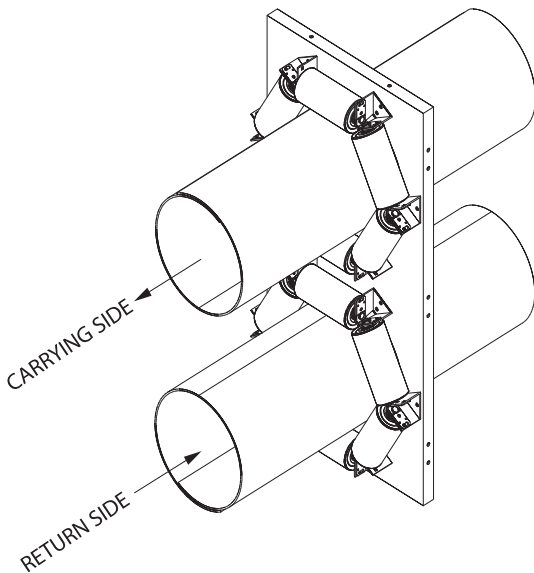
Pipe conveyors offer considerable advantages in addressing environmental issues. The belt is open in conventional trough form at the loading point and then forms into a pipe shape. It again opens up like a trough belt just before the discharge pulley allowing material to be discharged in normal fashion. Similar process happens on the return of conveyor.

Material is completely enclosed in circular cross section of the belt during the entire length of transport between the loading and discharge points. This prevents material spillage as well as material particles getting airborne due to wind. Similarly, carry-over material that sticks

to the belt surface is completely contained in pipe shaped cross section thus avoiding the spillage along the return run of conveyor.

Pipe conveyors are capable of negotiating a curved path in vertical as well as horizontal planes. They can also negotiate a compound curve path. This unique ability of pipe conveyor transport offers great advantages in reducing the overall footprint of process/transport installation as well as a number of transfer points.

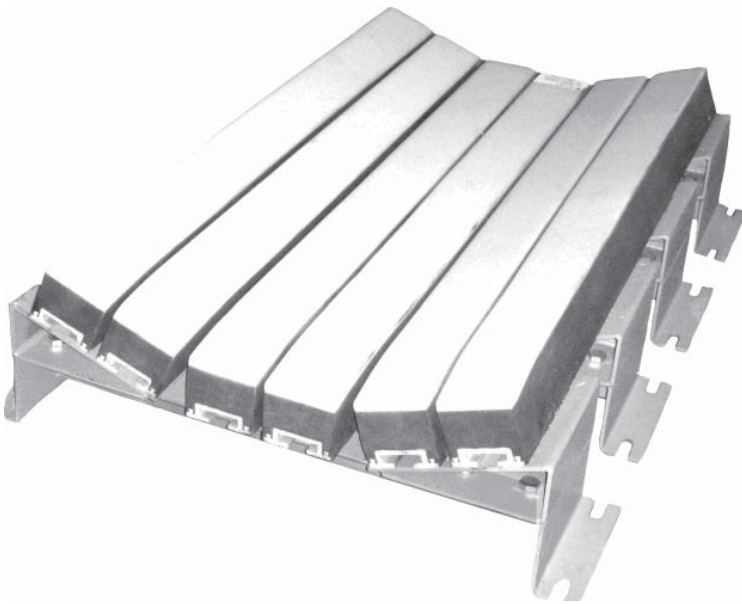
Nordstrong Equipment Limited offers complete design and fabrication services for pipe conveyor systems. Nordstrong can also design and supply components and sub-assemblies for pipe conveyors such as PSK idler panels, PSK roll on CEMA C series, and universal brackets.



PIPE DIAMETER	PANEL SIZE		F	PSK ROLL	
	A	B		D	RL
200	21	42	8.563	5	5.024
250	24	48	11.201	5	6.547
300	25	50	12.161	5	7.101
350	27.5	55	14.209	5	8.284
400	32	64	17.976	5	10.458
500	31	74	21.366	5	12.416

Dimensions subject to change. Use certified drawings only.

## Impact Beds



- Built to fit any application
- Stop costly idler replacements
- Extend conveyor frame life
- Reduce belt damage
- Eliminate load point spillage

Nordstrong's Impact Beds consist of a series of parallel shock absorbing rubber bars with a low friction polyethylene top coating. They can be manufactured for any profile conveyor and for widths 24" to 96".

The flat surface counters belt sag and buckling and reduces downtime caused by jamming.

Reduce conveyor operating costs by replacing costly impact idlers, extending belt frame life and eliminating load-point spillage.

Due to the rugged construction and no moving parts, impact beds provide a simple, maintenance-free system. They are easy to install, service and remove.

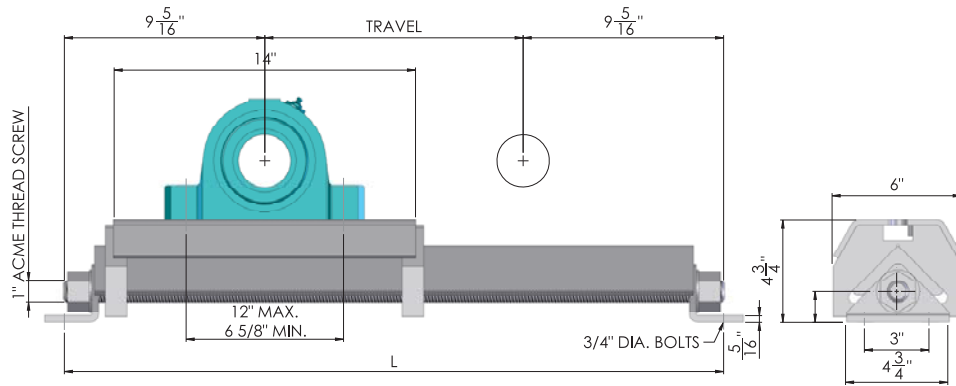
Impact bars and T-bolts are available from stock. Side (troughing) sections can be removed separately for quick replacement of impact bars.

Standard length of impact bed is 4'. Other lengths are available on request.

Dimensions subject to change. Use certified drawings only.

# MODEL MD-20 - PROTECTED SCREW TAKE-UP

# Screw Take-ups



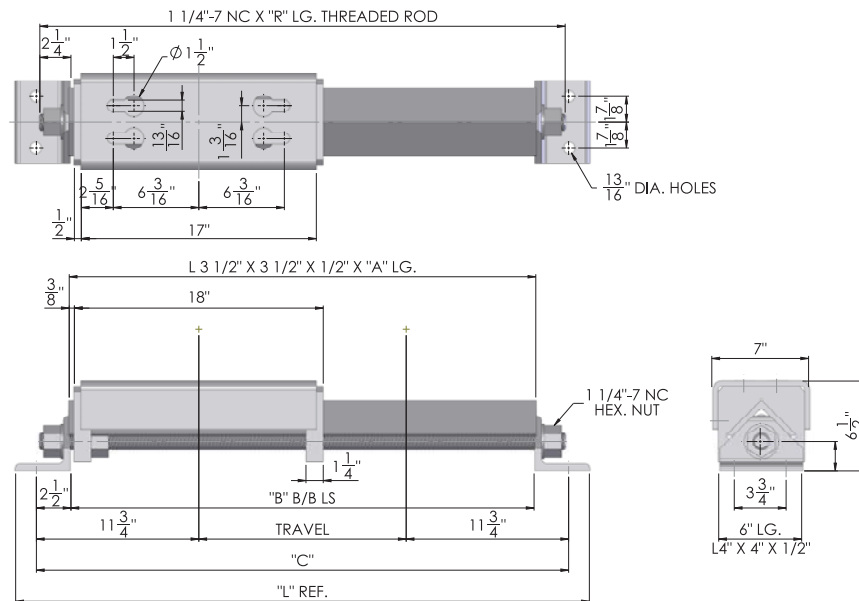
Frame Size	Travel	Weight (lbs)	L
MD-20-12	12	50	30 <sup>5</sup> / <sub>8</sub>
MD-20-18	18	56	36 <sup>5</sup> / <sub>8</sub>
MD-20-24	24	60	42 <sup>5</sup> / <sub>8</sub>
MD-20-36	36	68	54 <sup>5</sup> / <sub>8</sub>

The model MD-20 take-up frame will accommodate several types of two bolt base pillow blocks with bores up to and including 37/16" diameter.

The take-up screw is protected from falling dirt by the slide angle, and is always in tension irrespective of the direction of the bearing force.

Note: All dimensions in inches.

# MODEL HD4 - PROTECTED SCREW TAKE-UP



Model Number	Travel T	C	A	B	R	L REF
HD4-307-15	15	38 <sup>1</sup> / <sub>2</sub>	33 <sup>3</sup> / <sub>4</sub>	33 <sup>1</sup> / <sub>2</sub>	35	41 <sup>1</sup> / <sub>2</sub>
HD4-307-18	18	41 <sup>1</sup> / <sub>2</sub>	36 <sup>3</sup> / <sub>4</sub>	36 <sup>1</sup> / <sub>2</sub>	41	44 <sup>1</sup> / <sub>2</sub>
HD4-307-24	24	47 <sup>1</sup> / <sub>2</sub>	42 <sup>3</sup> / <sub>4</sub>	42 <sup>1</sup> / <sub>2</sub>	47	50 <sup>1</sup> / <sub>2</sub>
HD4-307-30	30	53 <sup>1</sup> / <sub>2</sub>	48 <sup>3</sup> / <sub>4</sub>	48 <sup>1</sup> / <sub>2</sub>	53	56 <sup>1</sup> / <sub>2</sub>
HD4-307-36	36	59 <sup>1</sup> / <sub>2</sub>	54 <sup>3</sup> / <sub>4</sub>	54 <sup>1</sup> / <sub>2</sub>	59	62 <sup>1</sup> / <sub>2</sub>
HD4-307-42	42	65 <sup>1</sup> / <sub>2</sub>	60 <sup>3</sup> / <sub>4</sub>	60 <sup>1</sup> / <sub>2</sub>	63	65 <sup>1</sup> / <sub>2</sub>
HD4-307-48	48	71 <sup>1</sup> / <sub>2</sub>	66 <sup>3</sup> / <sub>4</sub>	66 <sup>1</sup> / <sub>2</sub>	71	74 <sup>1</sup> / <sub>2</sub>

Dimensions shown are for 37/16" Ø pillow block.

Also available for:  
 2<sup>15</sup>/<sub>16</sub> - 4 bolt  
 3<sup>15</sup>/<sub>16</sub> - 4 bolt  
 4<sup>7</sup>/<sub>16</sub> - 4 bolt

Consult Nordstrong Equipment Limited for dimensions.

Dimensions subject to change. Use certified drawings only.

Dimensions subject to change. Use certified drawings only.

## Cable Operated Safety Stop Switch For Conveyors



### WHAT IT IS AND DOES

The Model RS is a rugged and compact safety switch that provides a quick positive shut off of dangerous equipment in emergencies or normal operation. It is actuated by a cable pulled by endangered personnel. The output contacts of the Model RS can control up to two separate circuits, one for machinery shutdown and one for alarm.

### WHY IS IT NECESSARY?

Safety minded operators of conveyors, production lines, elevator equipment, assembly lines, material handling systems, cranes, etc. consider it a must for employee protection. Most states have safety statutes that require these switches on conveyors and related equipment. American National Standard Institute recommends their use in ANSI standard No. ASME B20.1 – 1993-5.11.

#### PATENTED



LISTED



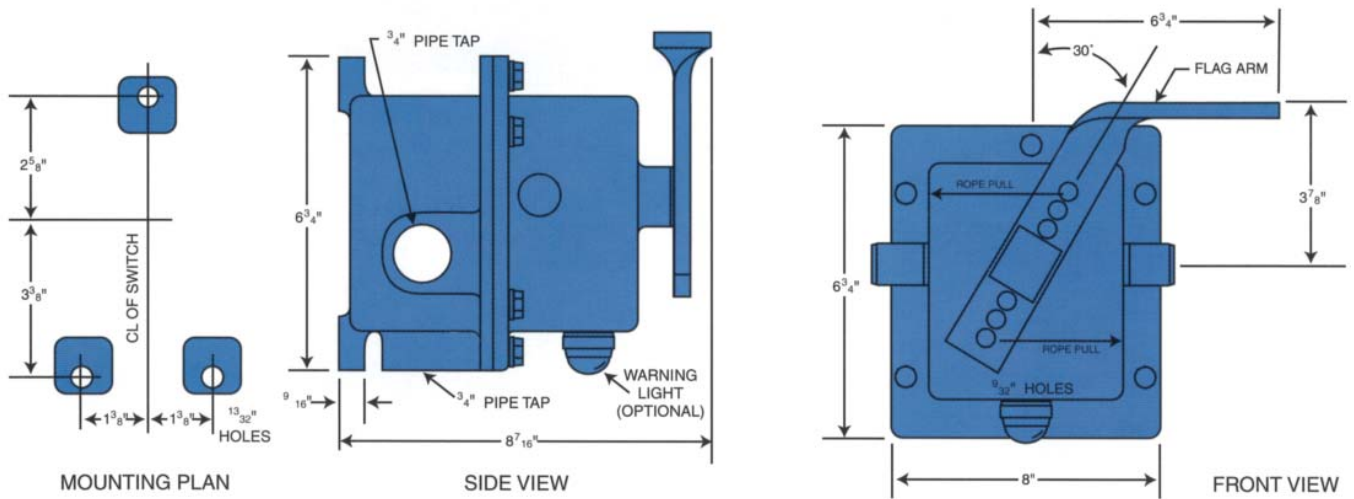
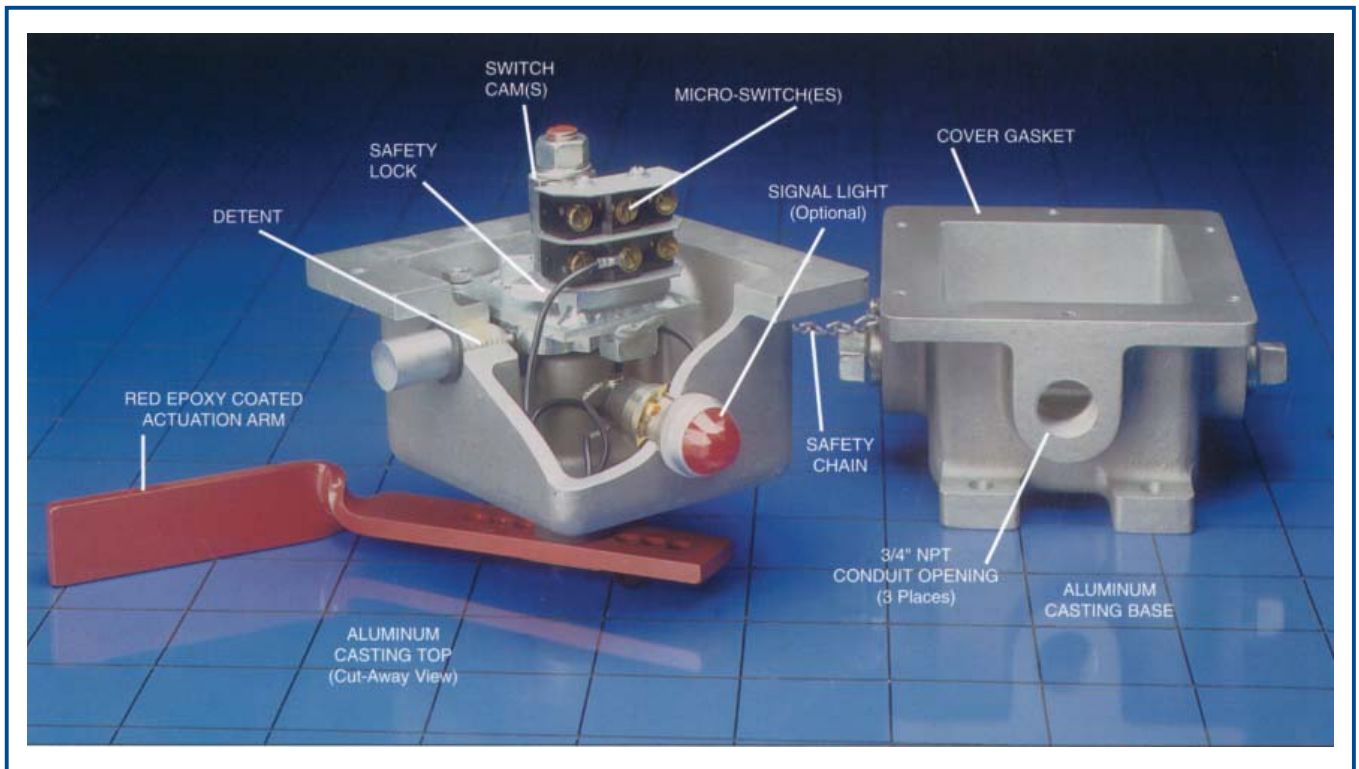
LISTED

### EXCLUSIVE FEATURES

1. The Model RS is equipped with a positive safety lock. Having once been actuated, it cannot be accidentally reset causing dangerous equipment to restart. In order to reset the switch, the actuation arm must be pushed in and turned. It takes no longer and it makes this a true "safety" switch.
2. The Model RS is installed with cable extending in both directions from the actuating handle. There is one electrical connection inside. This simple arrangement eliminates the double electrical connections required in two ended units employing a separate micro switch for cable in each direction.
3. The actuation force required is simply adjusted in the field by a change in the position of the cable in holes provided in the actuation arm. One of our units will handle as much cable length as a double ended competitive unit and there is no longer a need to specify actuating force or right or left handed units.
4. The standard construction of the unit is a corrosion resistant aluminum housing complete with stainless steel hardware and red epoxy coated actuation handle. The actuation shaft is of stainless steel. Painted cast iron construction is available if necessary. Epoxy coating of either casting is also available if required.
5. The Model RS controls are listed by Underwriters Laboratories, Inc. and Canadian Standards Association. The general purpose models are listed for non-hazardous atmospheres. Explosion proof models are listed for use in hazardous atmospheres as defined by the National Electric Code handbook and the National Electrical Manufacturers Association Standards for NEMA 7 and 9 hazardous locations. Specifically, they are listed for Class I, Groups C and D; and Class II, Groups E, F and G.
6. Model RS offers the lowest cost per foot of protection because it incorporates fewer switches and less wiring is required. Cable may be extended in either or both directions with no changes required in the internal mechanism of the unit and the wiring is still of a simple uncomplicated nature.
7. The switch is available with a warning light that may be wired to indicate actuation. This permits easy identification of actuated switches in areas where visual identification is difficult.
8. A special version of the unit is available for the mining industry. This unit is listed by the Mining Safety and Health Administration as complying with Schedule 2G. Our Listing No. is X/P-2140.

Dimensions subject to change. Use certified drawings only.

Dimensions subject to change. Use certified drawings only.



**CABLE SUPPORT EYE BOLTS**

Plated 1/2" N.C. thread -  
- two nuts and one lock-washer included.



**CABLE END FITTINGS**

Forged steel saddle and steel U-bolt. Cadmium plated bolts and nuts.



**CABLE WITH ORANGE PROTECTIVE COATING**

3/32" 7 x 7 preformed galvanized aircraft cable. 3/16" O.D. Vinyl coated.

Dimensions subject to change. Use certified drawings only.

Dimensions subject to change. Use certified drawings only.



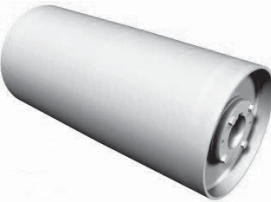
## “HDD” HEAVY DUTY DRUM CONVEYOR PULLEY

The toughest conveyor applications require the ruggedness offered by a “HDD” Heavy Duty Drum Pulley. Steel rims, hubs and discs are fused into an integral component by a continuous submerged arc welded bond that maximizes pulley strength, balance and concentricity. The use of internal discs plus heavier than standard construction reduces radial deformation of the rim and longitudinal deflection of the rim and shaft. The “HDD” pulley is available in standard face widths from 12” to 66” and standard diameters from 10” to 60”. Intermediate sizes are available upon request. Available with various hub and bushing systems.



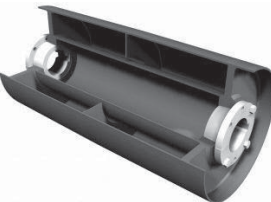
## SPIRAL DRUM CONVEYOR PULLEY

The Spiral Drum Pulley is formed by a pair of vertical steel bars helically wound around a “HDD” Heavy Duty Drum Pulley. This unique design reduces buildup between the belt and the pulley while providing continuous belt contact for applications where wing pulleys cannot be used. Rotation of the pulley automatically starts the cleaning action, discharging foreign material to the side of the conveyor. Available in crown or straight face – sizes 12” thru 24” diameter and supplied with various hub and bushing systems.



## MINE DUTY DRUM CONVEYOR PULLEY

Mine Duty Drum Pulleys were originally designed for the rugged environment of underground coal mining. Their ultra heavy duty rigid construction has been proven in the toughest conveyor applications. The “good as the shaft” design of Mine Duty Drum Pulleys make them particularly useful for spares or replacement pulleys in critical positions. The Mine Duty Pulleys are available in diameters from 10” to 60” and face widths from 20” to 66”. Available with various hub and bushing systems.



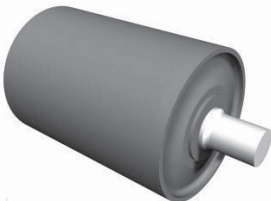
## THE DUAL DRUM CONVEYOR PULLEY

Dual Drum Pulleys have proven unequalled in material handling installations where steel cable and other high modulus belts create excessive loads which cause excessive shaft deflection and premature pulley failure. Designed to decrease shaft slope at the hubs, decrease stress at all end disc weld locations and eliminate pre-stressing of end discs during assembly with tapered type hubs. Dual Drum Conveyor Pulleys are the proven choice for replacement pulleys when premature failure occurs.



## ENGINEERED CLASS DRUM CONVEYOR PULLEY

Bulk handling systems are moving to larger conveyors and increased capacities. The high modulus, high tension belts require pulleys of much higher capacity and durability than standard units. Nordstrong has the experience, know how and equipment to custom design and fabricate pulleys for each pulley location and application. Engineered Class Pulleys are supplied with various hub and bushing systems including keyless locking devices used on our profiled and cast disc designed pulleys, which are prevalent on high tension steel cable belt systems.

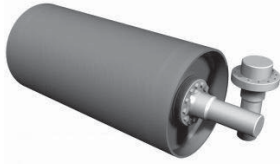


## TURBINE PULLEY

Today's efficient high tonnage mines demand dependable long life components. Using state-of-the-art engineering and design techniques we meet these needs by controlling material stress points. Incorporating all of the benefits of our proven experience in heavy mining pulleys, the turbine offers our customers world class performance.

Dimensions subject to change. Use certified drawings only.





## EZ MOUNT PULLEY SYSTEM

This unique pulley and shaft arrangement allows for fast, safe and economical bearing and shaft replacement without removing the pulley from the conveyor. It reduces maintenance time, downtime and scrap loss by using rugged engineered stub shafts. The pulley and shaft system is manufactured to CEMA standards and Mine Duty specifications.



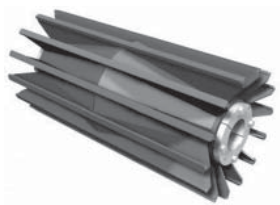
## “MFT” MACHINED FACE TUBE CONVEYOR PULLEY

Heavy wall steel tubing and a machined face to ensure maximum strength and concentricity are key features of the “MFT” Machined Face Tube Pulley. Available in crowned and straight face widths. Standard pulley diameters are: 4”, 5”, 6” and 8” are available with various hub and bushing systems.



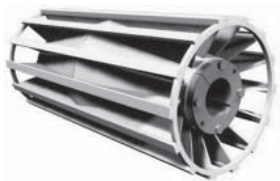
## SPIRAL WING CONVEYOR PULLEY

The Spiral Wing Pulley is formed by half oval bars helically wound towards one another, welded to all steel wings with intervals between them to allow excess material to discharge to the side of the conveyor. Although similar to a standard wing pulley, this design permits continuous pulley contact with the belt during rotation which eliminates excessive noise and vibration without sacrificing self-cleaning action. Available with various hub and bushing systems.



## “HDW” HEAVY DUTY WING CONVEYOR PULLEY

Pulley and belt life is extended by the self-cleaning action employed by the “HDW” Heavy Duty Wing Pulley. Individual all-steel wings and gussets expel excessive build up of material from the area of belt contact which enhances traction and reduces abrasion of both belt and pulley. This pulley features a steel tube between the hubs for added strength. Where abrasion and excessive build up conditions exist, the “HDW” Heavy Duty Wing with self-cleaning action provides an excellent alternative to conventional drum style pulleys. Available in standard diameters 8” to 36” and standard face widths from 12” to 66” and supplied with various hub and bushing systems.



## MINE DUTY WING CONVEYOR PULLEY

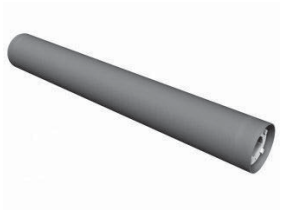
Demanding wing pulley applications call for Mine Duty Wing Pulleys. Designed after the “HDW” Heavy Duty Wing Pulley, Mine Duty Wing Pulleys feature the same self-cleaning action that reduces excessive material build up. The extra heavy duty construction reduces the possibility of metal fatigue and enhances the dependability of the Precision Mine Duty Wing Pulley. A 3/4” x 3/4” reinforcement ring is used on all Mine Duty Wing Pulleys (Except those with an End Disc). Available with various hub and bushing system.



## QUARRY MAX DUTY WING CONVEYOR PULLEY

Demanding wing pulley applications call for “QMW” Quarry Max Wing Pulleys. Designed after the “XHDW” Xtra Heavy Duty Wing Pulley, Quarry Max Wing Pulleys feature the same self-cleaning action that reduces excessive material build up. The quarry duty construction utilizes a Mine Duty End Disc upon which we build a Max duty wing pulley. The Mine Duty end disc does two things. First it moves the wings away from the higher stress area near the hub, and second, it reduces the amount of debris that is “kicked up” by a wing pulley. This reduces the possibility of metal fatigue and enhances the dependability of the Precision “QMW” Pulley. It comes standard with 1/2” wings, and a heavy contact bar; 3/4”, which accommodates our XHD Faslag. (3/4” reinforcing ring is optional.) Available with various hub and bushing system.

Dimensions subject to change. Use certified drawings only.

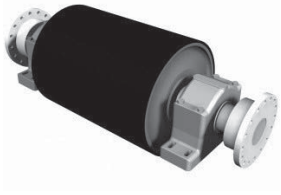


## UNIT HANDLING PULLEY

Pulleys and rollers used in Unit Handling applications typically have a diameter range of 2" through 8", although larger diameters are occasionally required.

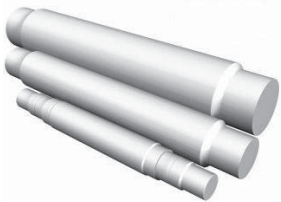
For moderate loads, 7 through 14 gauge tubing can provide strong construction with economical pricing. For heavier loads 3/16" through 3/8" thick wall tubing is available.

Because manufacturers' designs vary, we offer a variety of shaft attachment methods as standard options.



## PULLEY ASSEMBLIES

For maximum efficiency and added value, we are your single source for conveyor pulley assemblies. We can provide pulley lagging, shafting, bearings and take-up frames to complete the pulley package. Couplings, backstops and other components can also be mounted when required.



## SHAFTS

Conveyor Pulley Shafting is a vital part of the total pulley application. Standard Precision Shafting is AISI 1045, which represents the higher carbon range in the open hearth carbon group. Excluding alloy steel, the higher carbon content in a AISI 1045 results in one of the strongest steels in the carbon range and machines to a smooth finish. Other alloys, including 4140 are available upon request. Shafting can be keyed or journaled to meet any specification.



## HUBS AND BUSHINGS\*

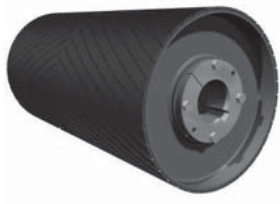
We offer a wide range of hub and bushing systems for proper mounting of pulley to shaft. Included are Q.D. hubs and bushings (maximum bore 12"), X.T. hubs and bushings (maximum bore 12"), Taper-Lock hubs and bushings (maximum bore 12") and keyless frictional locking assemblies (maximum bore 23.622"). Keyless locking assemblies are self-contained, high torque capacity units that feature no keyway stress concentration, no axial movement during assembly and high torque capacity. Keyless locking assemblies are used primarily with engineered class pulleys in high tension applications. Other means of securing the pulley to the shaft include press-fit and dead shaft designs. We offer you total flexibility when it comes to mounting pulleys to the shaft.



## DEFLECTION WHEELS

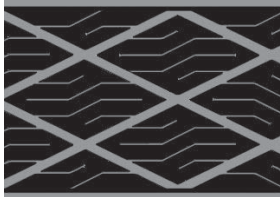
Deflection Wheels are designed for the deflection of corrugated side wall belting. Cross-rigidized base belting with corrugated sidewalls can be deflected from horizontal to any incline and back again with Deflection Wheels. We will build to your specification or our design. Please contact us for size range and availability.

Dimensions subject to change. Use certified drawings only.



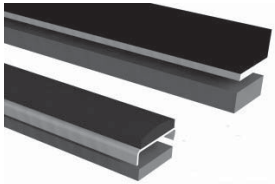
### LAGGING FOR CONVEYOR PULLEYS

Every step of the pulley manufacturing and lagging process is controlled internally which assures quality, prompt delivery, and competitive pricing of lagged pulleys. Available in a wide variety of tyles and thickness, lagging is primarily used to improve tractive capacity, resist abrasive conditions and extend pulley and belt life. The style of lagging required is usually influenced by operating conditions. Lagging styles offered: bolt-on, plain vulcanized, herringbone grooved, vulcanized and rough top.



### CRAFT-LAG™ REPLACEABLE LAGGING

Craft-Lag is bonded to rigid backing which is then formed to a specific diameter. Craft-Lag can be used with or without retainers and is ideal for mining crushed stone, sand and gravel, cement, agriculture, food processing, coal mining, power plants, feed and grain and general industry.



### FAS-LAG™ REPLACEABLE LAGGING

This easy to install wing pulley lagging system provides additional traction, protection for the contact bar and protection for the mechanical splice. While the standard is black 60 durometer SBR, it can be provided with other compounds and colours.

Dimensions subject to change. Use certified drawings only.