

IDLER CATALOG

Van Gorp®

Engineered Conveyor Components



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ISO 9001
World Class Quality



ABOUT US

OUR STORY

Van Gorp Corporation was founded by Franklin "Hap" Van Gorp. Mr. Van Gorp started in 1933, initially performing repairs for coal mines, gravel plants, rock quarries and area farmers. By the 1950's, Van Gorp was manufacturing portable conveyor systems for use throughout the Midwest. Van Gorp was officially incorporated in 1957.

In 1976, Van Gorp was acquired by Emerson Electric Co., and in 1988 entered into a new organization phase called Emerson Power Transmission. In October, 2002, Emerson divested to Van Gorp Corporation.

Van Gorp is now owned and managed by company president, Joe Canfield. Today, Van Gorp's commitment to product improvement and development has enabled the company to become a leader in engineered conveyor components.

OUR MISSION

We are committed to providing products and services that meet or exceed the needs of customers. The company does this to satisfy customers, employees, and shareholders.

OUR VALUES

Van Gorp values provide the foundation upon which our work culture is built. Our positive work environment provides the energy and drive necessary for personnel to consistently provide products and services that meet or exceed the needs of customers.



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CEMA B.....6

- TE (Trougher Equal)
- TU (Trougher Unequal)
- CIT (Channel Inset Trougher)
- TEI (Trougher Equal Impact)
- TUI (Trougher Unequal Impact)
- CITI (Channel Inset Trougher Impact)
- R (Return Idler)
- RRD (Return Rubber Disc)
- CIR (Channel Inset Return)
- F (Flat Carrier)

CEMA C16

- TE (Trougher Equal)
- TU (Trougher Unequal)
- CIT (Channel Inset Trougher)
- TEI (Trougher Equal Impact)
- TUI (Trougher Unequal Impact)
- CITI (Channel Inset Trougher Impact)
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CEMA D28

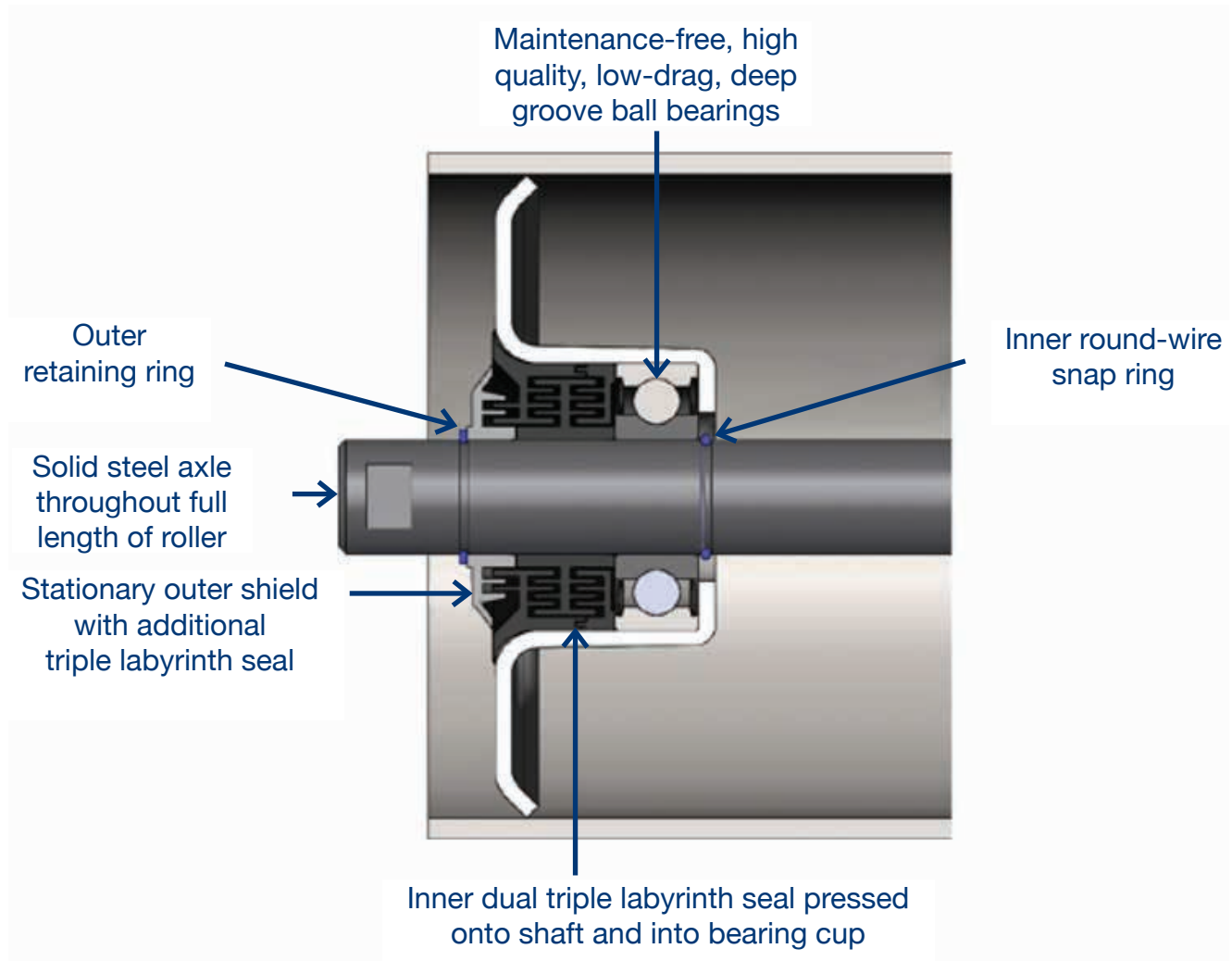
- TE (Trougher Equal)
- TU (Trougher Unequal)
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- TUI (Trougher Unequal Impact)
- R (Return Idler)
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CEMA E.....35

- TE (Trougher Equal)
- TU (Trougher Unequal)
- TEI (Trougher Equal Impact)
- TUI (Trougher Unequal Impact)
- R (Return Idler)
- RRD (Return Rubber Disc)
- F (Flat Carrier)



VAN GORP SEAL DESIGN



Van Gorp Ordering Guide

E 7 - 35 TE - 60

(1)(2) (3) (4) (5)

(1) CEMA CLASS

B, C, D, E & *F

(2) ROLLER DIAMETER

B - 4, 5

E - 6, 7

C - 4, 5, 6

***F** - 6, 7, 8

D - 5, 6

(3) ANGLE *

20°, 35°, 45°

For V-Return use 5°, 10°, 15°

*For Return Idlers,

Use 1 = 1 1/2", 4 = 4 1/2",

7 = 7" Bracket

(4) IDLER TYPE

TE - Trougher Equal

TEI - Trougher Equal Impact

TET - Trougher Equal Transition

TESA - Trougher Equal Self Aligning

TU - Trougher Un equal (Picking Idler)

TUI - Trougher Unequal Impact

CIT - Channel Inset Trougher

CITI - Channel Inset Trougher Impact

CIR - Channel Inset Return

CIF - Channel Inset Flat

CIRRD - Channel Inset Return Rubber Disc

CIFRD - Channel Inset Flat Rubber Disc

R - Return Idler

RRD - Return Rubber Disc

RSA - Return Self Aligning

F - Flat carrier

FRD - Flat Rubber Disc

VR - V-Return

VRI - V-Return Impact

VRSA - V-Return Self Aligning

IVR - Inverted V-Return

LSI - Live Shaft Impact

LSR - Live Shaft Steel

GAR - Garland (Catenary Idler)

(5) BELT WIDTH (IN)

B - 14 to 48

C - 18 to 60

D - 24 to 72

E - 36 to 96

***F** - 60 to 120

*F are custom and made to order.



Van Gorp CEMA Idlers

	B	C	D	E	E Plus	F	F Plus
Roll Diameter	4", 5"	5", 6"	5", 6"	6", 7"	6", 7"	7", 8"	7", 8"
Belt Width	14-48	18-60	24-72	36-102	36-102	48-120	60-120
Shaft Diameter	17 mm	20 mm	25 mm	40 mm	45 mm	50 mm	60 mm
Shaft Material	C1018	C1018	C1018	C1018	C1018	C1018	C1018
Shaft Turn Down	14 mm	14 mm	14 mm	31 mm	31 mm	42 mm	42 mm
Seals	Triple Labyrinth	Triple Labyrinth	Triple Labyrinth	Triple Labyrinth	Triple Labyrinth	Triple Labyrinth	Triple Labyrinth
Tube Thickness	3 mm	3.5 mm	4 mm	4.5 mm	4.5 mm	6 mm	6 mm
Optional Tube Thickness		6 mm	6 mm	6 mm	6 mm	8 mm	8 mm
Tube Material	ERW1020	ERW1020	ERW1020	ERW1020	ERW1020	DOM Tubing	DOM Tubing
Seal Ball Bearing Series	6203 zz	6204 zz	6305 zz	6308 zz	6309 zz	6310 zz	6312 zz
Clearance	C3	C3	C3	C3	C3	C3	C3
L 10 Hours	30,000 hrs.	30,000 hrs.	60,000 hrs.	60,000 hrs.	60,000 hrs.	60,000 hrs.	60,000 hrs.
Cema Load Rating	400 Lbs.	900 Lbs.	1,200 Lbs.	1,800 Lbs.	2,400 Lbs.	3,600 Lbs.	4,200 Lbs.

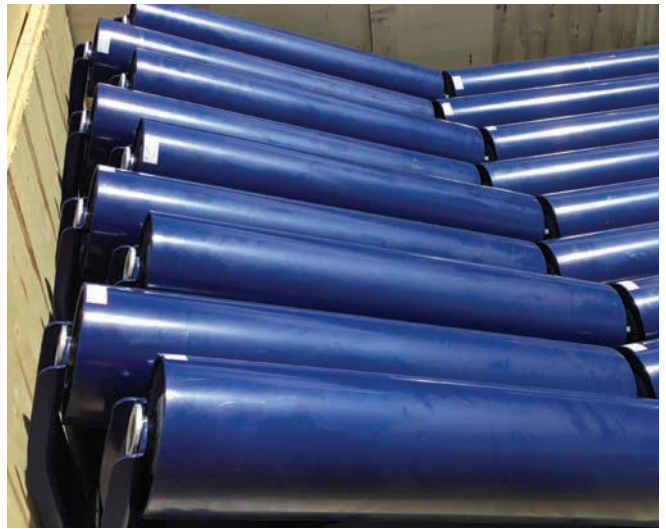
Van Gorp Idler Advantages

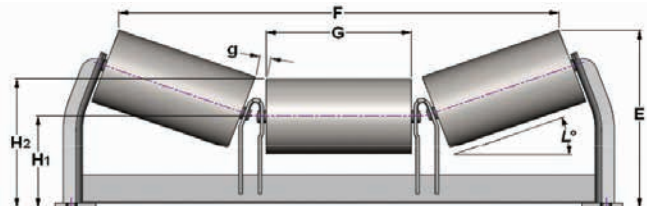
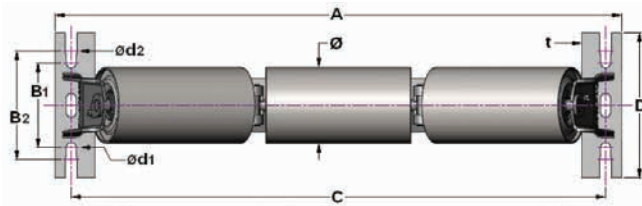
- 25 to 30% in potential energy savings as a result of reduced friction.
- Ball bearings are sealed for life.
- Water resistant sealing system.
- Flame resistant seal material (up to 212F or 100C).
- Features a dual, triple labyrinth seal, filled with lithium based grease that prevents penetration of water and contamination into the bearings.
- Concave seal design utilizes centrifugal force to expel any contamination that is able to get past the outer dust cover.
- Internal snap ring to secure the bearing, and an additional external snap ring secures the seal.
- Idler shafts are solid steel construction, using C1018 shaft material.
- ERW1020 Tube material for CEMA B, C, D and E idlers. CEMA F uses DOM tubing.
- Capable of operating at temperatures down to -22F (-30C) with standard lubrication, lower temperatures attainable with optional lubrication.
- Standard idlers are rated for above or below ground use.
- Warrantied for 36 months from ship date.
- Bearing life (L10) is 30,000 hours or 60,000 hours depending on CEMA used.
- Powder coat finish is standard on all idlers and rolls.



IN THE FIELD





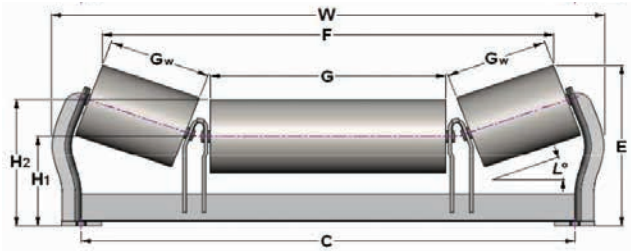
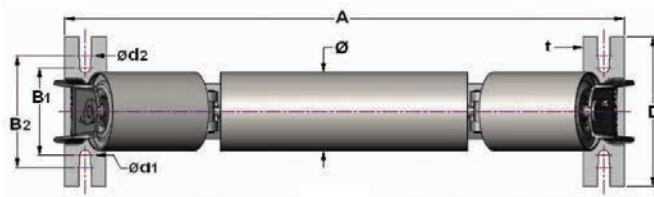


BW	A	B ₁	Ø d ₁	B ₂	Ø d ₂	C	D	G	H ₁	t
[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]
14	356	25.00	635.0	5.50	139.7	0.563	14.3	---	---	---
16	406	27.00	685.8	5.50	139.7	0.563	14.3	---	---	---
18	457	29.00	736.6	5.50	139.7	0.563	14.3	---	---	---
20	508	31.00	787.4	5.50	139.7	0.563	14.3	---	---	---
24	610	35.00	889.0	5.50	139.7	0.563	14.3	---	---	---
30	762	41.00	1041.4	5.50	139.7	0.563	14.3	---	---	---
36	914	47.00	1193.8	5.50	139.7	0.563	14.3	---	---	---
42	1067	53.50	1358.9	5.50	139.7	0.563	14.3	7.00	177.8	0.688
48	1219	59.50	1511.3	5.50	139.7	0.563	14.3	7.00	177.8	0.688

Ø 4" (Ø101.6 mm)									
BW	L	MODEL	E	F	H ₂	Weight			
[in]	[mm]	[in]	[mm]	[in]	[mm]	[Lb]	[kg]		
14	356	B4-20TE-14	8.99	228.4	17.05	432.9	7.00	177.8	27.9
16	406	B4-20TE-16	9.21	233.8	18.85	478.9	7.00	177.8	29.4
18	457	B4-20TE-18	9.44	239.9	20.88	530.2	7.00	177.8	31.7
20	508	B4-20TE-20	9.74	247.4	23.38	593.8	7.00	177.8	33.1
24	610	B4-20TE-24	10.20	259.0	27.21	691.1	7.00	177.8	36.4
30	762	B4-20TE-30	10.92	277.4	33.33	846.5	7.00	177.8	41.5
36	914	B4-20TE-36	11.61	294.8	39.10	993.2	7.00	177.8	46.5
42	1067	B4-20TE-42	12.79	324.8	44.80	1137.9	7.50	190.5	57.0
48	1219	B4-20TE-48	13.47	342.2	50.57	1284.6	7.50	190.5	62.5
14	356	B4-35TE-14	10.27	260.9	15.27	387.8	7.00	177.8	29.3
16	406	B4-35TE-16	10.63	270.1	16.93	429.9	7.00	177.8	30.9
18	457	B4-35TE-18	11.03	280.2	18.78	477.0	7.00	177.8	32.8
20	508	B4-35TE-20	11.53	292.9	21.07	535.2	7.00	177.8	34.9
24	610	B4-35TE-24	12.29	312.2	24.58	624.4	7.00	177.8	38.4
30	762	B4-35TE-30	13.51	343.2	30.19	766.8	7.00	177.8	43.8
36	914	B4-35TE-36	14.66	372.4	35.48	901.2	7.00	177.8	49.1
42	1067	B4-35TE-42	16.30	414.0	40.70	1033.8	7.50	190.5	60.0
48	1219	B4-35TE-48	17.45	443.2	45.99	1168.1	7.50	190.5	65.7

Ø 5" (Ø127.0 mm)									
BW	L	MODEL	E	F	H ₂	Weight			
[in]	[mm]	[in]	[mm]	[in]	[mm]	[Lb]	[kg]		
14	356	B5-20TE-14	9.453	240.1	16.709	424.4	7.50	190.5	30.6
16	406	B5-20TE-16	9.668	245.6	18.518	470.4	7.50	190.5	32.4
18	457	B5-20TE-18	9.907	251.6	20.538	521.7	7.50	190.5	34.3
20	508	B5-20TE-20	10.204	259.2	23.041	585.2	7.50	190.5	36.6
24	610	B5-20TE-24	10.658	270.7	26.870	682.5	7.50	190.5	40.3
30	762	B5-20TE-30	11.385	289.2	32.991	838.0	7.50	190.5	46.1
36	914	B5-20TE-36	12.070	306.6	38.765	984.6	7.50	190.5	51.7
42	1067	B5-20TE-42	13.249	336.5	44.463	1129.4	8.00	203.2	62.8
48	1219	B5-20TE-48	13.934	353.9	50.237	1276.0	8.00	203.2	68.9
14	356	B5-35TE-14	10.675	271.1	14.703	373.5	7.50	190.5	32.0
16	406	B5-35TE-16	11.035	280.3	16.361	415.6	7.50	190.5	33.9
18	457	B5-35TE-18	11.435	290.4	18.214	462.6	7.50	190.5	35.9
20	508	B5-35TE-20	11.935	303.1	20.506	520.9	7.50	190.5	38.3
24	610	B5-35TE-24	12.695	322.5	24.016	610.0	7.50	190.5	42.2
30	762	B5-35TE-30	13.914	353.4	29.625	752.5	7.50	190.5	48.3
36	914	B5-35TE-36	15.064	382.6	34.915	886.8	7.50	190.5	54.3
42	1067	B5-35TE-42	16.702	424.2	40.135	1019.4	8.00	203.2	65.7
48	1219	B5-35TE-48	17.851	453.4	45.425	1153.8	8.00	203.2	72.1

CEMA B - TU (TROUGHER UNEQUAL)

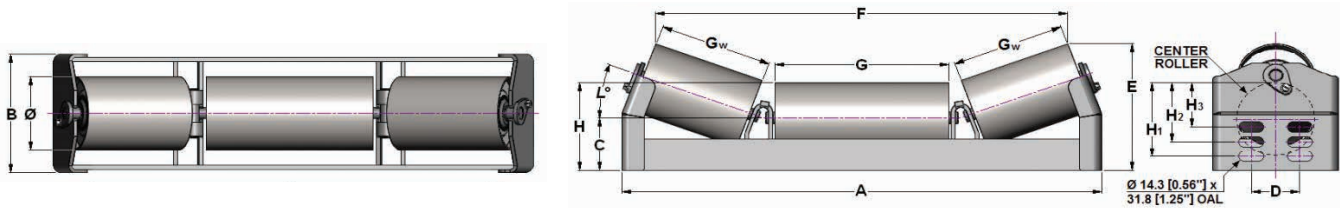


BW		A		B ₁		ø d ₁		B ₂		ø d ₂		C		D		G		G _w		H ₁		t	
(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)
14	356	25.00	635.0	5.50	139.7	0.563	14.3	---	---	---	---	23.00	584.2	8.000	203.2	6.750	171.5	4.750	120.7	5.000	127.0	0.236	6.0
16	406	27.00	685.8	5.50	139.7	0.563	14.3	---	---	---	---	25.00	635.0	8.000	203.2	7.625	193.7	5.438	138.1	5.000	127.0	0.236	6.0
18	457	29.00	736.6	5.50	139.7	0.563	14.3	---	---	---	---	27.00	685.8	8.000	203.2	8.938	227.0	5.438	138.1	5.000	127.0	0.236	6.0
20	508	31.00	787.4	5.50	139.7	0.563	14.3	---	---	---	---	29.00	736.6	8.000	203.2	11.063	281.0	5.438	138.1	5.000	127.0	0.236	6.0
24	610	35.00	889.0	5.50	139.7	0.563	14.3	---	---	---	---	33.00	838.2	8.000	203.2	15.063	382.6	5.438	138.1	5.000	127.0	0.236	6.0
30	762	41.00	1041.4	5.50	---	0.563	---	---	---	---	---	39.00	990.6	8.000	203.2	21.375	542.9	5.438	138.1	5.000	127.0	0.236	6.0
36	914	47.00	1193.8	5.50	---	0.563	---	---	---	---	---	45.00	1143.0	8.000	203.2	27.375	695.3	5.438	138.1	5.000	127.0	0.236	6.0
42	1067	53.50	1358.9	5.50	---	0.563	---	7.00	177.8	0.688	17.5	51.00	1295.4	9.500	241.3	33.375	847.7	5.438	138.1	5.500	139.7	0.315	8.0
48	1219	59.50	1511.3	5.50	---	0.563	---	7.00	177.8	0.688	17.5	57.00	1447.8	9.500	241.3	39.375	1000.1	5.438	138.1	5.500	139.7	0.315	8.0

Ø 4" (Ø101.6 mm)									
BW	L	MODEL	E	F	H ₂	Weight			
(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)
14	356	B4-20TU-14	8.75	222.3	17.11	434.7	7.00	177.8	
16	406	B4-20TU-16	8.98	228.2	19.26	489.1	7.00	177.8	
18	457	B4-20TU-18	8.98	228.2	20.59	523.1	7.00	177.8	
20	508	B4-20TU-20	8.98	228.2	22.72	577.1	7.00	177.8	
24	610	B4-20TU-24	8.98	228.2	26.66	677.1	7.00	177.8	
30	762	B4-20TU-30	8.98	228.2	32.96	837.1	7.00	177.8	
36	914	B4-20TU-36	8.98	228.2	38.94	989.1	7.00	177.8	
42	1067	B4-20TU-42	9.48	240.9	44.96	1142.1	7.50	190.5	
48	1219	B4-20TU-48	9.48	240.9	50.95	1294.1	7.50	190.5	
14	356	B4-35TU-14	9.88	250.9	15.50	393.8	7.00	177.8	
16	406	B4-35TU-16	10.27	260.7	17.48	444.0	7.00	177.8	
18	457	B4-35TU-18	10.27	260.7	18.82	478.0	7.00	177.8	
20	508	B4-35TU-20	10.27	260.7	20.95	532.0	7.00	177.8	
24	610	B4-35TU-24	10.27	260.7	24.88	632.0	7.00	177.8	
30	762	B4-35TU-30	10.27	260.7	31.18	792.0	7.00	177.8	
36	914	B4-35TU-36	10.27	260.7	37.17	944.0	7.00	177.8	
42	1067	B4-35TU-42	10.77	273.4	43.19	1097.0	7.50	190.5	
48	1219	B4-35TU-48	10.77	273.4	49.17	1249.0	7.50	190.5	
14	356	B4-45TU-14	10.58	268.8	14.56	369.8	7.00	177.8	
16	406	B4-45TU-16	11.06	281.0	16.39	416.2	7.00	177.8	
18	457	B4-45TU-18	11.06	281.0	17.72	450.2	7.00	177.8	
20	508	B4-45TU-20	11.06	281.0	19.85	504.2	7.00	177.8	
24	610	B4-45TU-24	11.06	281.0	23.79	604.2	7.00	177.8	
30	762	B4-45TU-30	11.06	281.0	30.09	764.2	7.00	177.8	
36	914	B4-45TU-36	11.06	281.0	36.07	916.2	7.00	177.8	
42	1067	B4-45TU-42	11.56	293.7	42.09	1069.2	7.50	190.5	
48	1219	B4-45TU-48	11.56	293.7	48.08	1221.2	7.50	190.5	

Ø 5" (Ø127.0 mm)									
BW	L	MODEL	E	F	H ₂	Weight			
(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)
14	356	B5-20TU-14	9.22	234.2	16.77	426.0	7.50	190.5	144.3
16	406	B5-20TU-16	9.45	240.1	18.91	480.4	7.50	190.5	
18	457	B5-20TU-18	9.45	240.1	20.25	514.4	7.50	190.5	
20	508	B5-20TU-20	9.45	240.1	22.38	568.4	7.50	190.5	
24	610	B5-20TU-24	9.45	240.1	26.31	668.4	7.50	190.5	
30	762	B5-20TU-30	9.45	240.1	32.61	828.4	7.50	190.5	
36	914	B5-20TU-36	9.45	240.1	38.60	980.4	7.50	190.5	
42	1067	B5-20TU-42	9.95	252.8	44.62	1133.4	8.00	203.2	
48	1219	B5-20TU-48	9.95	252.8	50.61	1285.4	8.00	203.2	
14	356	B5-35TU-14	10.29	261.3	14.93	379.2	7.50	190.5	
16	406	B5-35TU-16	10.68	271.2	16.91	429.5	7.50	190.5	
18	457	B5-35TU-18	10.68	271.2	18.25	463.5	7.50	190.5	
20	508	B5-35TU-20	10.68	271.2	20.37	517.5	7.50	190.5	
24	610	B5-35TU-24	10.68	271.2	24.31	617.5	7.50	190.5	
30	762	B5-35TU-30	10.68	271.2	30.61	777.5	7.50	190.5	
36	914	B5-35TU-36	10.68	271.2	36.59	929.5	7.50	190.5	
42	1067	B5-35TU-42	11.18	283.9	42.62	1082.5	8.00	203.2	
48	1219	B5-35TU-48	11.18	283.9	48.60	1234.5	8.00	203.2	
14	356	B5-45TU-14	10.94	277.8	13.85	351.9	7.50	190.5	
16	406	B5-45TU-16	11.42	290.0	15.68	398.2	7.50	190.5	
18	457	B5-45TU-18	11.42	290.0	17.02	432.2	7.50	190.5	
20	508	B5-45TU-20	11.42	290.0	19.14	486.2	7.50	190.5	
24	610	B5-45TU-24	11.42	290.0	23.08	586.2	7.50	190.5	
30	762	B5-45TU-30	11.42	290.0	29.38	746.2	7.50	190.5	
36	914	B5-45TU-36	11.42	290.0	35.36	898.2	7.50	190.5	
42	1067	B5-45TU-42	11.92	302.7	41.39	1051.2	8.00	203.2	
48	1219	B5-45TU-48	11.92	302.7	47.37	1203.2	8.00	203.2	

Ø 6" (Ø152.4 mm)										ALL			
BW		L	MODEL	E		F		H ₂		Weight		W	
(in)	(mm)	(in)		(mm)	(in)	(mm)	(in)	(mm)	(lb)	(kg)	(in)	(mm)	
14	356	20	B6-20TU-14	9.69	246.2	16.43	417.3	8.00	203.2			---	---
16	406		B6-20TU-16	9.92	252.0	18.57	471.7	8.00	203.2			---	---
18	457		B6-20TU-18	9.92	252.0	19.91	505.7	8.00	203.2			---	---
20	508		B6-20TU-20	9.92	252.0	22.04	559.7	8.00	203.2			---	---
24	610		B6-20TU-24	9.92	252.0	25.97	659.7	8.00	203.2			---	---
30	762		B6-20TU-30	9.92	252.0	32.27	819.7	8.00	203.2			---	---
36	914		B6-20TU-36	9.92	252.0	38.26	971.7	8.00	203.2			---	---
42	1067		B6-20TU-42	10.42	264.7	44.28	1124.7	8.50	215.9			---	---
48	1219		B6-20TU-48	10.42	264.7	50.26	1276.7	8.50	215.9			---	---
14	356	35	B6-35TU-14	10.70	271.7	14.30	363.1	8.00	203.2			---	---
16	406		B6-35TU-16	11.08	281.6	16.33	414.9	8.00	203.2			---	---
18	457		B6-35TU-18	11.08	281.6	17.67	448.9	8.00	203.2			---	---
20	508		B6-35TU-20	11.08	281.6	19.80	502.9	8.00	203.2			---	---
24	610		B6-35TU-24	11.08	281.6	23.74	602.9	8.00	203.2			---	---
30	762		B6-35TU-30	11.08	281.6	30.04	762.9	8.00	203.2			---	---
36	914		B6-35TU-36	11.08	281.6	36.02	914.9	8.00	203.2			---	---
42	1067		B6-35TU-42	11.58	294.3	42.04	1067.9	8.50	215.9			---	---
48	1219		B6-35TU-48	11.58	294.3	48.03	1219.9	8.50	215.9			---	---
14	356	45	B6-45TU-14	11.29	286.8	13.15	334.0	8.00	203.2			25.45	646.5
16	406		B6-45TU-16	11.77	298.9	14.97	380.2	8.00	203.2			27.27	692.6
18	457		B6-45TU-18	11.77	299.0	16.31	414.3	8.00	203.2			28.61	726.6
20	508		B6-45TU-20	11.77	299.0	18.44	468.3	8.00	203.2			30.73	780.6
24	610		B6-45TU-24	11.77	298.9	22.37	568.3	8.00	203.2			34.67	880.6
30	762		B6-45TU-30	11.77	299.0	28.67	728.3	8.00	203.2			40.97	1040.6
36	914		B6-45TU-36	11.77	298.9	34.65	880.2	8.00	203.2			46.95	1192.6
42	1067		B6-45TU-42	12.27	311.7	40.68	1033.3	8.50	215.9			52.98	1345.6
48	1219		B6-45TU-48	12.27	311.7	46.66	1185.3	8.50	215.9			58.96	1497.6

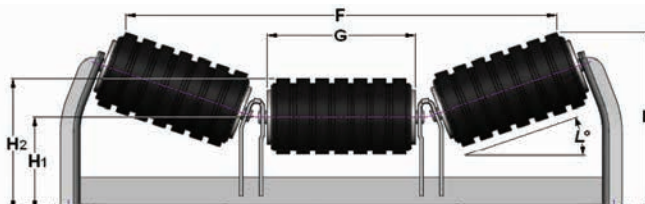
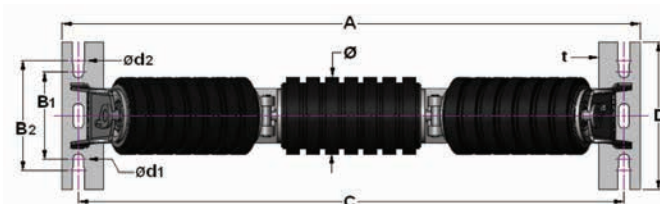


BW		A		B		C		D		G		G _w	
[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]
14	356	19.625	498.5	6.500	165.1	3.000	76.2	2.500	63.5	5.438	138.1	4.750	120.7
16	406	21.625	549.3	6.500	165.1	3.000	76.2	2.500	63.5	6.063	154.0	5.438	138.1
18	457	23.625	600.1	6.500	165.1	3.000	76.2	2.500	63.5	6.750	171.5	6.063	154.0
20	508	25.625	650.9	6.500	165.1	3.000	76.2	2.500	63.5	7.625	193.7	6.750	171.5
24	610	29.625	752.5	6.500	165.1	3.000	76.2	2.500	63.5	11.063	281.0	6.750	171.5
30	762	35.625	904.9	6.500	165.1	3.000	76.2	2.500	63.5	13.063	331.8	8.938	227.0
36	914	41.625	1057.3	6.500	165.1	3.000	76.2	2.500	63.5	15.063	382.6	11.063	281.0
42	1067	47.625	1209.7	6.500	165.1	3.000	76.2	2.500	63.5	17.063	433.4	13.063	331.8
48	1219	53.625	1362.1	6.500	165.1	3.000	76.2	2.500	63.5	19.375	492.1	15.063	382.6

Ø 4" (Ø101.6 mm)																	
BW		L	MODEL	E		F		H		H ₁		H ₂		H ₃		Weight	
[in]	[mm]	["]		[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[Lb]	[KG]
14	356	20	B4-20CIT-14	6.759	171.7	15.770	400.6	5.000	127.0	4.188	106.4	3.375	85.7			23.96	10.88
16	406		B4-20CIT-16	6.990	177.6	17.675	448.9	5.000	127.0	4.188	106.4	3.375	85.7			25.66	11.65
18	457		B4-20CIT-18	7.205	183.0	19.563	496.9	5.000	127.0	4.188	106.4	3.375	85.7			27.36	12.42
20	508		B4-20CIT-20	7.444	189.1	21.741	552.2	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	29.05	13.19
24	610		B4-20CIT-24	7.444	189.1	25.206	640.2	5.000	127.0	4.188	106.4	3.375	85.7			31.96	14.51
30	762		B4-20CIT-30	8.195	208.2	31.341	796.1	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	37.33	16.95
36	914		B4-20CIT-36	8.922	226.6	37.304	947.5	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	42.49	19.29
42	1067		B4-20CIT-42	9.607	244.0	43.078	1094.2	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	47.64	21.63
48	1219		B4-20CIT-48	10.286	261.3	49.051	1245.9	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	52.93	24.03
14	356	35	B4-35CIT-14	7.883	200.2	14.156	359.6	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	25.20	11.44
16	406		B4-35CIT-16	8.271	210.1	15.899	403.8	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	27.09	12.30
18	457		B4-35CIT-18	8.632	219.3	17.635	447.9	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	28.04	12.63
20	508		B4-35CIT-20	9.032	229.4	19.645	499.0	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	31.26	14.19
24	610		B4-35CIT-24	9.032	229.4	23.109	587.0	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	34.05	15.46
30	762		B4-35CIT-30	10.292	261.4	28.715	729.4	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	39.98	18.15
36	914		B4-35CIT-36	11.511	292.4	34.166	867.8	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	45.81	20.80
42	1067		B4-35CIT-42	12.660	321.6	39.456	1002.2	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	51.48	23.37
48	1219		B4-35CIT-48	13.798	350.5	44.951	1141.8	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	57.25	25.99

Ø 5" (Ø127.0 mm)																	
BW	L	MODEL	E		F		H		H ₁		H ₂		H ₃		Weight		
			(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(lb)	(kg)	
14	356	20	B5-20CIT-14	7.222	183.4	15.433	392.0	5.500	139.7	4.688	119.1	3.875	98.4			26.50	12.03
16	406		B5-20CIT-16	7.452	189.3	17.339	440.4	5.500	139.7	4.688	119.1	3.875	98.4			28.41	12.90
18	457		B5-20CIT-18	7.668	194.8	19.226	488.4	5.500	139.7	4.688	119.1	3.875	98.4			30.29	13.75
20	508		B5-20CIT-20	7.906	200.8	21.405	543.7	5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2	32.22	14.63
24	610		B5-20CIT-24	7.906	200.8	24.869	631.7	5.500	139.7	4.688	119.1	3.875	98.4			35.48	16.11
30	762		B5-20CIT-30	8.657	219.9	31.004	787.5	5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2	41.39	18.79
36	914		B5-20CIT-36	9.384	238.4	36.967	939.0	5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2	47.33	21.49
42	1067		B5-20CIT-42	10.070	255.8	42.742	1085.6	5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2	53.11	24.11
48	1219		B5-20CIT-48	10.748	273.0	48.715	1237.4	5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2	59.03	26.80
14	356	35	B5-35CIT-14	8.286	210.5	13.592	345.2	5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2	27.73	12.59
16	406		B5-35CIT-16	8.674	220.3	15.335	389.5	5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2	29.82	13.54
18	457		B5-35CIT-18	9.035	229.5	17.070	433.6	5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2	32.20	14.62
20	508		B5-35CIT-20	9.436	239.7	19.080	484.6	5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2	34.43	15.63
24	610		B5-35CIT-24	9.436	239.7	22.545	572.6	5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2	37.60	17.07
30	762		B5-35CIT-30	10.695	271.7	28.150	715.0	5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2	44.16	20.05
36	914		B5-35CIT-36	11.914	302.6	33.601	853.5	5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2	50.64	22.99
42	1067		B5-35CIT-42	13.063	331.8	38.892	987.9	5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2	56.94	25.85
48	1219		B5-35CIT-48	14.201	360.7	44.387	1127.4	5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2	63.35	28.76

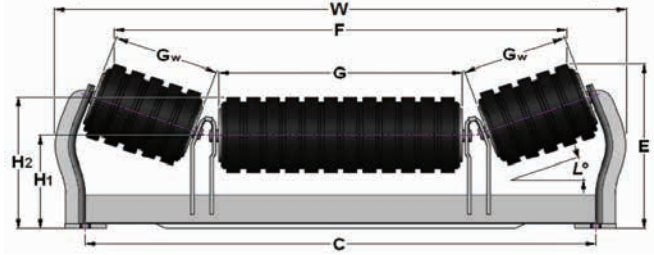
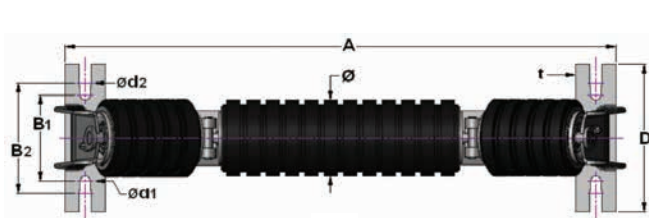
CEMA B - TEI (TROUGHER EQUAL IMPACT)



BW	A	B ₁	Ø d ₁	B ₂	Ø d ₂	C	D	G	H ₁	t
[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]
14	356	25.00	635.0	5.50	139.7	0.563	14.3	---	---	---
16	406	27.00	685.8	5.50	139.7	0.563	14.3	---	---	---
18	457	29.00	736.6	5.50	139.7	0.563	14.3	---	---	---
20	508	31.00	787.4	5.50	139.7	0.563	14.3	---	---	---
24	610	35.00	889.0	5.50	139.7	0.563	14.3	---	---	---
30	762	41.00	1041.4	5.50	139.7	0.563	14.3	---	---	---
36	914	47.00	1193.8	5.50	139.7	0.563	14.3	---	---	---
42	1067	53.50	1358.9	5.50	139.7	0.563	14.3	7.00	177.8	0.688
48	1219	59.50	1511.3	5.50	139.7	0.563	14.3	7.00	177.8	0.688

Ø 4" (Ø101.6 mm)										
BW	L	MODEL	E		F		H ₂		Weight	
[in]	[mm]		[in]	[mm]	[in]	[mm]	[in]	[mm]	[Lb]	[kg]
14	356	B4-20TEI-14	8.80	223.5	16.01	406.5	7.00	177.8	31.5	14.31
16	406	B4-20TEI-16	8.91	226.3	17.23	437.6	7.00	177.8	33.3	15.14
18	457	B4-20TEI-18	9.23	234.5	19.71	500.7	7.00	177.8	35.9	16.28
20	508	B4-20TEI-20	9.58	243.4	22.50	571.5	7.00	177.8	38.8	17.62
24	610	B4-20TEI-24	10.01	254.4	26.21	665.7	7.00	177.8	42.9	19.49
30	762	B4-20TEI-30	10.78	273.8	32.55	826.8	7.00	177.8	49.9	22.66
36	914	B4-20TEI-36	11.33	287.7	37.56	953.9	7.00	177.8	55.9	25.39
42	1067	B4-20TEI-42	12.57	319.2	43.59	1107.3	7.50	190.5	71.0	32.22
48	1219	B4-20TEI-48	13.31	338.2	49.71	1262.6	7.50	190.5	78.6	35.68
14	356	B4-35TEI-14	9.96	252.9	14.36	364.8	7.00	177.8	32.9	14.95
16	406	B4-35TEI-16	10.14	257.4	15.51	393.9	7.00	177.8	34.8	15.82
18	457	B4-35TEI-18	10.68	271.2	17.76	451.2	7.00	177.8	37.5	17.01
20	508	B4-35TEI-20	11.26	286.1	20.31	515.8	7.00	177.8	40.6	18.41
24	610	B4-35TEI-24	11.99	304.5	23.71	602.2	7.00	177.8	44.9	20.39
30	762	B4-35TEI-30	13.27	337.2	29.51	749.6	7.00	177.8	52.2	23.69
36	914	B4-35TEI-36	14.19	360.4	34.13	867.0	7.00	177.8	58.5	26.57
42	1067	B4-35TEI-42	15.93	404.6	39.65	1007.1	7.50	190.5	73.9	33.55
48	1219	B4-35TEI-48	17.18	436.5	45.24	1149.0	7.50	190.5	81.9	37.17

Ø 5" (Ø127.0 mm)										
BW	L	MODEL	E		F		H ₂		Weight	
[in]	[mm]		[in]	[mm]	[in]	[mm]	[in]	[mm]	[Lb]	[kg]
14	356	B5-20TEI-14	9.264	235.3	15.669	398.0	7.50	190.5	33.9	15.41
16	406	B5-20TEI-16	9.372	238.0	16.890	429.0	7.50	190.5	35.8	16.24
18	457	B5-20TEI-18	9.695	246.3	19.375	492.1	7.50	190.5	38.7	17.58
20	508	B5-20TEI-20	10.045	255.1	22.165	563.0	7.50	190.5	42.0	19.06
24	610	B5-20TEI-24	10.476	266.1	25.871	657.1	7.50	190.5	46.5	21.10
30	762	B5-20TEI-30	11.243	285.6	32.215	818.3	7.50	190.5	54.1	24.58
36	914	B5-20TEI-36	11.789	299.4	37.219	945.4	7.50	190.5	60.6	27.50
42	1067	B5-20TEI-42	13.029	330.9	43.257	1098.7	8.00	203.2	76.3	34.65
48	1219	B5-20TEI-48	13.777	349.9	49.371	1254.0	8.00	203.2	84.6	38.40
14	356	B5-35TEI-14	10.358	263.1	13.797	350.4	7.50	190.5	35.4	16.08
16	406	B5-35TEI-16	10.538	267.7	14.943	379.6	7.50	190.5	37.4	16.98
18	457	B5-35TEI-18	11.080	281.4	17.199	436.9	7.50	190.5	40.3	18.31
20	508	B5-35TEI-20	11.667	296.3	19.743	501.5	7.50	190.5	43.7	19.85
24	610	B5-35TEI-24	12.390	314.7	23.145	587.9	7.50	190.5	48.5	22.00
30	762	B5-35TEI-30	13.627	346.1	28.948	735.3	7.50	190.5	55.4	25.13
36	914	B5-35TEI-36	14.592	370.6	33.568	852.6	7.50	190.5	63.2	28.69
42	1067	B5-35TEI-42	16.334	414.9	39.084	992.7	8.00	203.2	79.2	35.97
48	1219	B5-35TEI-48	17.587	446.7	44.671	1134.6	8.00	203.2	87.9	39.89



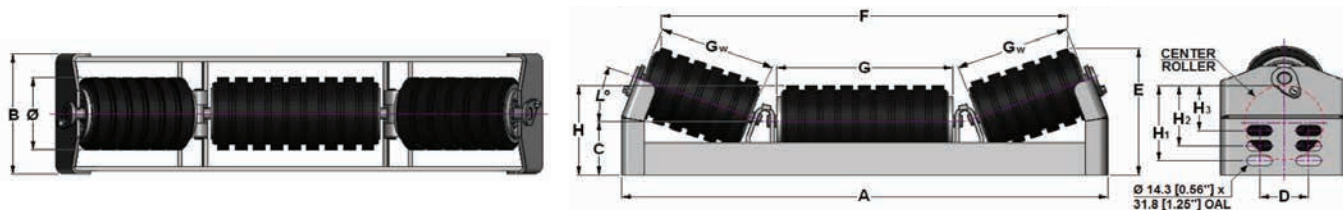
BW	A	B ₁	Ø d ₁	B ₂	Ø d ₂	C	D	G	G _w	H ₁	t
(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)
14	356	25.00	635.0	5.50	139.7	0.563	14.3	---	---	---	---
16	406	27.00	685.8	5.50	139.7	0.563	14.3	---	---	---	---
18	457	29.00	736.6	5.50	139.7	0.563	14.3	---	---	---	---
20	508	31.00	787.4	5.50	139.7	0.563	14.3	---	---	---	---
24	610	35.00	889.0	5.50	139.7	0.563	14.3	---	---	---	---
30	762	41.00	1041.4	5.50	---	0.563	---	---	---	---	---
36	914	47.00	1193.8	5.50	---	0.563	---	---	---	---	---
42	1067	53.50	1358.9	5.50	---	0.563	---	7.00	177.8	0.688	17.5
48	1219	59.50	1511.3	5.50	---	0.563	---	7.00	177.8	0.688	17.5

Ø 4" (Ø101.6 mm)											
BW	L	MODEL	E	F	H ₂	Weight					
(in)	(mm)		(in)	(mm)	(in)	(mm)	(Lb)	(Kg)			
14	356	B4-20TUI-14	8.49	215.5	15.60	396.4	7.00	177.8			
16	406	B4-20TUI-16	8.80	223.6	18.21	462.5	7.00	177.8			
18	457	B4-20TUI-18	8.80	223.6	19.55	496.5	7.00	177.8			
20	508	B4-20TUI-20	8.80	223.6	21.67	550.5	7.00	177.8			
24	610	B4-20TUI-24	8.80	223.6	25.61	650.5	7.00	177.8			
30	762	B4-20TUI-30	8.80	223.6	31.91	810.5	7.00	177.8			
36	914	B4-20TUI-36	8.80	223.6	37.89	962.5	7.00	177.8			
42	1067	B4-20TUI-42	9.30	236.3	43.92	1115.5	7.50	190.5			
48	1219	B4-20TUI-48	9.30	236.3	49.90	1267.5	7.50	190.5			
14	356	B4-35TUI-14	9.42	239.4	14.18	360.3	7.00	177.8			
16	406	B4-35TUI-16	9.95	252.8	16.57	420.8	7.00	177.8			
18	457	B4-35TUI-18	9.95	252.8	17.90	454.8	7.00	177.8			
20	508	B4-35TUI-20	9.95	252.8	20.03	508.8	7.00	177.8			
24	610	B4-35TUI-24	9.95	252.8	23.97	608.8	7.00	177.8			
30	762	B4-35TUI-30	9.95	252.8	30.27	768.8	7.00	177.8			
36	914	B4-35TUI-36	9.95	252.8	36.25	920.8	7.00	177.8			
42	1067	B4-35TUI-42	10.45	265.5	42.27	1073.8	7.50	190.5			
48	1219	B4-35TUI-48	10.45	265.5	48.26	1225.8	7.50	190.5			
14	356	B4-45TUI-14	10.02	254.6	13.42	340.8	7.00	177.8			
16	406	B4-45TUI-16	10.68	271.2	15.59	396.0	7.00	177.8			
18	457	B4-45TUI-18	10.68	271.2	16.93	430.0	7.00	177.8			
20	508	B4-45TUI-20	10.68	271.2	19.05	484.0	7.00	177.8			
24	610	B4-45TUI-24	10.68	271.2	22.99	584.0	7.00	177.8			
30	762	B4-45TUI-30	10.68	271.2	29.29	744.0	7.00	177.8			
36	914	B4-45TUI-36	10.68	271.2	35.27	896.0	7.00	177.8			
42	1067	B4-45TUI-42	11.18	283.9	41.30	1049.0	7.50	190.5			
48	1219	B4-45TUI-48	11.18	283.9	47.28	1201.0	7.50	190.5			

Ø 5" (Ø127.0 mm)											
BW	L	MODEL	E	F	H ₂	Weight					
(in)	(mm)		(in)	(mm)	(in)	(mm)	(Lb)	(Kg)			
14	356	B5-20TUI-14	8.95	227.3	15.27	387.8	7.50	190.5			
16	406	B5-20TUI-16	9.26	235.3	17.87	454.0	7.50	190.5			
18	457	B5-20TUI-18	9.26	235.3	19.21	488.0	7.50	190.5			
20	508	B5-20TUI-20	9.26	235.3	21.34	542.0	7.50	190.5			
24	610	B5-20TUI-24	9.26	235.3	25.27	642.0	7.50	190.5			
30	762	B5-20TUI-30	9.26	235.3	31.57	802.0	7.50	190.5			
36	914	B5-20TUI-36	9.26	235.3	37.56	954.0	7.50	190.5			
42	1067	B5-20TUI-42	9.76	248.0	43.58	1107.0	8.00	203.2			
48	1219	B5-20TUI-48	9.76	248.0	49.57	1259.0	8.00	203.2			
14	356	B5-35TUI-14	9.85	250.2	13.62	345.9	7.50	190.5			
16	406	B5-35TUI-16	10.36	263.1	16.00	406.4	7.50	190.5			
18	457	B5-35TUI-18	10.36	263.1	17.34	440.4	7.50	190.5			
20	508	B5-35TUI-20	10.36	263.1	19.47	494.4	7.50	190.5			
24	610	B5-35TUI-24	10.36	263.1	23.40	594.4	7.50	190.5			
30	762	B5-35TUI-30	10.36	263.1	29.70	754.4	7.50	190.5			
36	914	B5-35TUI-36	10.36	263.1	35.69	906.4	7.50	190.5			
42	1067	B5-35TUI-42	10.86	275.8	41.71	1059.4	8.00	203.2			
48	1219	B5-35TUI-48	10.86	275.8	47.69	1211.4	8.00	203.2			
14	356	B5-45TUI-14	10.37	263.4	12.72	323.1	7.50	190.5			
16	406	B5-45TUI-16	11.02	280.0	14.89	378.3	7.50	190.5			
18	457	B5-45TUI-18	11.02	280.0	16.23	412.3	7.50	190.5			
20	508	B5-45TUI-20	11.02	280.0	18.36	466.3	7.50	190.5			
24	610	B5-45TUI-24	11.02	280.0	22.30	566.3	7.50	190.5			
30	762	B5-45TUI-30	11.02	280.0	28.59	726.3	7.50	190.5			
36	914	B5-45TUI-36	11.02	280.0	34.58	878.3	7.50	190.5			
42	1067	B5-45TUI-42	11.52	292.7	40.60	1031.3	8.00	203.2			
48	1219	B5-45TUI-48	11.52	292.7	46.59	1183.3	8.00	203.2			

Ø 6" (Ø152.4 mm)											
BW	L	MODEL	E	F	H ₂	Weight					
(in)	(mm)		(in)	(mm)	(in)	(mm)	(Lb)	(Kg)			
14	356	B6-20TUI-14	9.41	239.0	14.93	379.3	8.00	203.2			
16	406	B6-20TUI-16	9.73	247.1	17.54	445.4	8.00	203.2			
18	457	B6-20TUI-18	9.73	247.1	18.88	479.4	8.00	203.2			
20	508	B6-20TUI-20	9.73	247.1	21.00	533.4	8.00	203.2			
24	610	B6-20TUI-24	9.73	247.1	24.94	633.4	8.00	203.2			
30	762	B6-20TUI-30	9.73	247.1	31.24	793.4	8.00	203.2			
36	914	B6-20TUI-36	9.73	247.1	37.22	945.4	8.00	203.2			
42	1067	B6-20TUI-42	10.23	259.8	43.25	1098.4	8.50	215.9			
48	1219	B6-20TUI-48	10.23	259.8	49.23	1250.4	8.50	215.9			
14	356	B6-35TUI-14	10.23	259.8	13.05	331.6	8.00	203.2			
16	406	B6-35TUI-16	10.76	273.3	15.44	392.1	8.00	203.2			
18	457	B6-35TUI-18	10.76	273.3	16.78	426.1	8.00	203.2			
20	508	B6-35TUI-20	10.76	273.3	18.90	480.1	8.00	203.2			
24	610	B6-35TUI-24	10.76	273.3	22.84	580.1	8.00	203.2			
30	762	B6-35TUI-30	10.76	273.3	29.14	740.1	8.00	203.2			
36	914	B6-35TUI-36	10.76	273.3	35.12	892.1	8.00	203.2			
42	1067	B6-35TUI-42	11.26	286.0	41.15	1045.1	8.50	215.9			
48	1219	B6-35TUI-48	11.26	286.0	47.13	1197.1	8.50	215.9			
14	356	B6-45TUI-14	10.72	272.3	12.03	305.4	8.00	203.2			
16	406	B6-45TUI-16	11.37	288.9	14.20	360.6	8.00	203.2			
18	457	B6-45TUI-18	11.37	288.9	15.54	394.6	8.00	203.2			
20	508	B6-45TUI-20	11.37	288.9	17.66	448.6	8.00	203.2			
24	610	B6-45TUI-24	11.37	288.9	21.60	548.6	8.00	203.2			
30	762	B6-45TUI-30	11.37	288.9	27.90	708.6	8.00	203.2			
36	914	B6-45TUI-36	11.37	288.9	33.88	860.6	8.00	203.2			
42	1067	B6-45TUI-42	11.87	301.6	39.91	1013.6	8.50	215.9			
48	1219	B6-45TUI-48	11.87	301.6	45.89	1165.6	8.50	215.9			

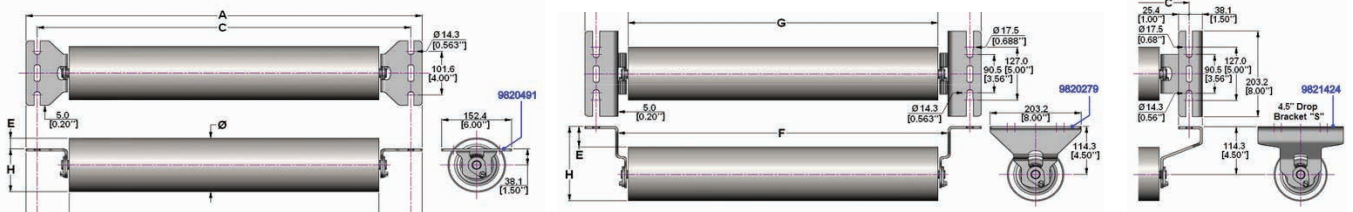
CEMA B - CITI (CHANNEL INSET TROUGHER IMPACT)



BW		A		B		C		D		G		G _w	
(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)
14	356	19.625	498.5	6.500	165.1	3.000	76.2	2.500	63.5	5.438	138.1	4.750	120.7
16	406	21.625	549.3	6.500	165.1	3.000	76.2	2.500	63.5	6.063	154.0	5.438	138.1
18	457	23.625	600.1	6.500	165.1	3.000	76.2	2.500	63.5	6.750	171.5	6.063	154.0
20	508	25.625	650.9	6.500	165.1	3.000	76.2	2.500	63.5	7.625	193.7	6.750	171.5
24	610	29.625	752.5	6.500	165.1	3.000	76.2	2.500	63.5	11.063	281.0	6.750	171.5
30	762	35.625	904.9	6.500	165.1	3.000	76.2	2.500	63.5	13.063	331.8	8.938	227.0
36	914	41.625	1057.3	6.500	165.1	3.000	76.2	2.500	63.5	15.063	382.6	11.063	281.0
42	1067	47.625	1209.7	6.500	165.1	3.000	76.2	2.500	63.5	17.063	433.4	13.063	331.8
48	1219	53.625	1362.1	6.500	165.1	3.000	76.2	2.500	63.5	19.375	492.1	15.063	382.6

		Ø 4" (Ø101.6 mm)															
BW		L	MODEL	E		F		H		H ₁		H ₂		H ₃		Weight	
(in)	(mm)	(")		(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(lb)	(kg)
14	356	20	B4-20CITI-14	6.49	164.7	14.27	362.4	5.000	127.0	4.188	106.4	3.375	85.7			27.20	12.35
16	406		B4-20CITI-16	6.80	172.7	16.64	422.5	5.000	127.0	4.188	106.4	3.375	85.7			29.67	13.47
18	457		B4-20CITI-18	6.91	175.5	17.94	455.6	5.000	127.0	4.188	106.4	3.375	85.7			31.45	14.28
20	508		B4-20CITI-20	7.23	183.7	20.58	522.7	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	34.16	15.51
24	610		B4-20CITI-24	7.23	183.7	24.04	610.7	5.000	127.0	4.188	106.4	3.375	85.7			38.39	17.43
30	762		B4-20CITI-30	8.01	203.5	30.34	770.7	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	44.82	20.35
36	914		B4-20CITI-36	8.78	223.0	36.53	927.8	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	52.00	23.61
42	1067		B4-20CITI-42	9.33	236.9	41.53	1054.9	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	58.13	26.39
48	1219	B4-20CITI-48	10.07	255.7	47.85	1215.3	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	65.26	29.63	
14	356	35	B4-35CITI-14	7.42	188.6	12.85	326.3	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	28.41	12.90
16	406		B4-35CITI-16	7.95	202.0	14.99	380.8	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	31.06	14.10
18	457		B4-35CITI-18	8.14	206.6	16.22	411.9	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	33.35	15.14
20	508		B4-35CITI-20	8.68	220.4	18.63	473.2	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	36.37	16.51
24	610		B4-35CITI-24	8.68	220.4	22.10	561.2	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	40.48	18.38
30	762		B4-35CITI-30	9.99	253.7	27.84	707.2	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	47.62	21.62
36	914		B4-35CITI-36	11.27	286.4	33.49	850.6	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	55.29	25.10
42	1067		B4-35CITI-42	12.19	309.6	38.11	968.0	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	61.92	28.11
48	1219	B4-35CITI-48	13.43	341.1	43.90	1115.1	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	69.56	31.58	

		Ø 5" (Ø127.0 mm)															
BW		L	MODEL	E		F		H		H ₁		H ₂		H ₃		Weight	
(in)	(mm)			(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(lb)	(kg)
14	356	20	B5-20CITI-14	6.95	176.5	13.93	353.8	5.500	139.7	4.688	119.1	3.875	98.4			29.52	13.40
16	406		B5-20CITI-16	7.26	184.5	16.30	414.0	5.500	139.7	4.688	119.1	3.875	98.4			32.25	14.64
18	457		B5-20CITI-18	7.37	187.2	17.60	447.0	5.500	139.7	4.688	119.1	3.875	98.4			34.19	15.52
20	508		B5-20CITI-20	7.70	195.5	20.24	514.1	5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2	37.20	16.89
24	610		B5-20CITI-24	7.70	195.5	23.71	602.1	5.500	139.7	4.688	119.1	3.875	98.4			41.76	18.96
30	762		B5-20CITI-30	8.48	215.3	30.01	762.1	5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2	48.81	22.16
36	914		B5-20CITI-36	9.24	234.8	36.19	919.3	5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2	56.65	25.72
42	1067		B5-20CITI-42	9.79	248.6	41.20	1046.4	5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2	63.28	28.73
48	1219	B5-20CITI-48	10.53	267.4	47.51	1206.7	5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2	71.12	32.29	
14	356	35	B5-35CITI-14	7.83	198.8	12.28	311.9	5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2	30.79	13.98
16	406		B5-35CITI-16	8.36	212.3	14.43	366.5	5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2	33.68	15.29
18	457		B5-35CITI-18	8.54	216.9	15.65	397.6	5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2	36.10	16.39
20	508		B5-35CITI-20	9.08	230.6	18.07	458.9	5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2	39.43	17.90
24	610		B5-35CITI-24	9.08	230.6	21.53	546.9	5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2	43.88	19.92
30	762		B5-35CITI-30	10.39	263.9	27.28	692.9	5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2	51.59	23.42
36	914		B5-35CITI-36	11.68	296.6	32.92	836.3	5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2	59.98	27.23
42	1067		B5-35CITI-42	12.59	319.8	37.54	953.6	5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2	67.11	30.47
48	1219	B5-35CITI-48	13.83	351.4	43.34	1100.7	5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2	75.44	34.25	

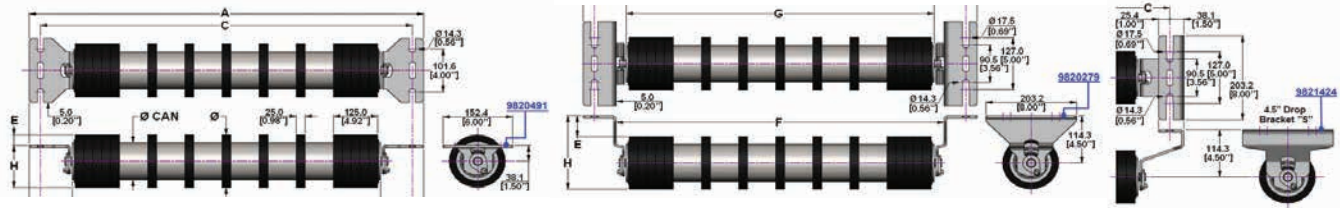


BW		A		C		F		G	
[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]
14.00	355.6	25.00	635.0	23.00	584.2	19.125	485.8	17.375	441.3
16.00	406.4	27.00	685.8	25.00	635.0	21.125	536.6	19.375	492.1
18.00	457.2	29.00	736.6	27.00	685.8	23.125	587.4	21.375	542.9
20.00	508.0	31.00	787.4	29.00	736.6	25.125	638.2	23.375	593.7
24.00	609.6	35.00	889.0	33.00	838.2	29.110	739.4	27.375	695.3
30.00	762.0	41.00	1041.4	39.00	990.6	35.125	892.2	33.375	847.7
36.00	914.4	47.00	1193.8	45.00	1143.0	41.125	1044.6	39.375	1000.1
42.00	1066.8	53.00	1346.2	51.00	1295.4	47.125	1197.0	45.375	1152.5
48.00	1219.2	59.00	1498.6	57.00	1447.8	53.125	1349.4	51.375	1304.9

			Ø 4" (Ø101.6 mm)									Ø 5" (Ø127.0 mm)							
BW		Drop	MODEL	E (±)		H		Weight		BW		Drop	MODEL	E (±)		H		Weight	
[in]	[mm]	[in]		[in]	[mm]	[in]	[mm]	[Lb]	[kg]	[in]	[mm]	[in]		[mm]	[Lb]	[kg]			
14	356	1-1/2"	B4-1R-14	0.50	12.7	3.50	88.9	12.9	5.87	14	356	1-1/2"	B5-1R-14	1.00	25.4	4.00	101.6	15.1	6.85
16	406		B4-1R-16	0.50	12.7	3.50	88.9	13.9	6.33	16	406		B5-1R-16	1.00	25.4	4.00	101.6	16.3	7.40
18	457		B4-1R-18	0.50	12.7	3.50	88.9	15.0	6.79	18	457		B5-1R-18	1.00	25.4	4.00	101.6	17.5	7.96
20	508		B4-1R-20	0.50	12.7	3.50	88.9	16.0	7.25	20	508		B5-1R-20	1.00	25.4	4.00	101.6	18.8	8.52
24	610		B4-1R-24	0.50	12.7	3.50	88.9	18.0	8.18	24	610		B5-1R-24	1.00	25.4	4.00	101.6	21.2	9.63
30	762		B4-1R-30	0.50	12.7	3.50	88.9	21.1	9.57	30	762		B5-1R-30	1.00	25.4	4.00	101.6	24.9	11.30
36	914		B4-1R-36	0.50	12.7	3.50	88.9	24.1	10.95	36	914		B5-1R-36	1.00	25.4	4.00	101.6	28.6	12.97
42	1067		B4-1R-42	0.50	12.7	3.50	88.9	27.2	12.34	42	1067		B5-1R-42	1.00	25.4	4.00	101.6	32.2	14.64
48	1219		B4-1R-48	0.50	12.7	3.50	88.9	30.2	13.73	48	1219		B5-1R-48	1.00	25.4	4.00	101.6	35.9	16.31
14	356	4-1/2"	B4-4R-14	2.50	63.5	6.50	165.1	15.1	6.87	14	356	4-1/2"	B5-4R-14	2.00	50.8	7.00	177.8	17.3	7.85
16	406		B4-4R-16	2.50	63.5	6.50	165.1	16.1	7.33	16	406		B5-4R-16	2.00	50.8	7.00	177.8	18.5	8.41
18	457		B4-4R-18	2.50	63.5	6.50	165.1	17.2	7.80	18	457		B5-4R-18	2.00	50.8	7.00	177.8	19.7	8.96
20	508		B4-4R-20	2.50	63.5	6.50	165.1	18.2	8.26	20	508		B5-4R-20	2.00	50.8	7.00	177.8	21.0	9.52
24	610		B4-4R-24	2.50	63.5	6.50	165.1	20.2	9.19	24	610		B5-4R-24	2.00	50.8	7.00	177.8	23.4	10.64
30	762		B4-4R-30	2.50	63.5	6.50	165.1	23.3	10.57	30	762		B5-4R-30	2.00	50.8	7.00	177.8	27.1	12.30
36	914		B4-4R-36	2.50	63.5	6.50	165.1	26.3	11.96	36	914		B5-4R-36	2.00	50.8	7.00	177.8	30.8	13.97
42	1067		B4-4R-42	2.50	63.5	6.50	165.1	29.4	13.35	42	1067		B5-4R-42	2.00	50.8	7.00	177.8	34.4	15.64
48	1219		B4-4R-48	2.50	63.5	6.50	165.1	32.5	14.74	48	1219		B5-4R-48	2.00	50.8	7.00	177.8	38.1	17.31

		6" (Ø152.4 mm)							
BW		Drop	MODEL	E (±)		H		Weight	
[in]	[mm]			[in]	[mm]	[in]	[mm]	[Lb]	[kg]
14	356	1-1/2"	B6-1R-14	1.50	38.1	4.50	114.3		
16	406		B6-1R-16	1.50	38.1	4.50	114.3		
18	457		B6-1R-18	1.50	38.1	4.50	114.3		
20	508		B6-1R-20	1.50	38.1	4.50	114.3		
24	610		B6-1R-24	1.50	38.1	4.50	114.3		
30	762		B6-1R-30	1.50	38.1	4.50	114.3		
36	914		B6-1R-36	1.50	38.1	4.50	114.3		
42	1067		B6-1R-42	1.50	38.1	4.50	114.3		
48	1219		B6-1R-48	1.50	38.1	4.50	114.3		
14	356	4-1/2"	B6-4R-14	1.50	38.1	7.50	190.5		
16	406		B6-4R-16	1.50	38.1	7.50	190.5		
18	457		B6-4R-18	1.50	38.1	7.50	190.5		
20	508		B6-4R-20	1.50	38.1	7.50	190.5		
24	610		B6-4R-24	1.50	38.1	7.50	190.5		
30	762		B6-4R-30	1.50	38.1	7.50	190.5		
36	914		B6-4R-36	1.50	38.1	7.50	190.5		
42	1067		B6-4R-42	1.50	38.1	7.50	190.5		
48	1219		B6-4R-48	1.50	38.1	7.50	190.5		

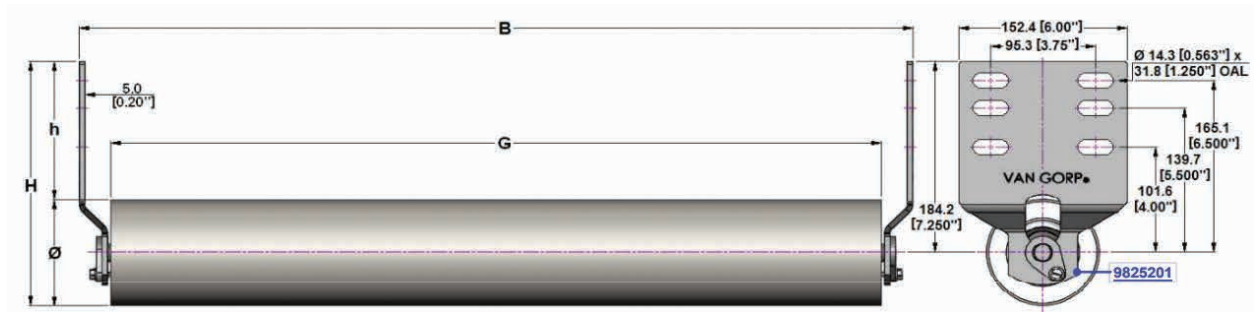
CEMA B - RRD (RETURN RUBBER DISC)



BW		A		C		F		G	
[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]
14.00	355.6	25.00	635.0	23.00	584.2	19.125	485.8	17.375	441.3
16.00	406.4	27.00	685.8	25.00	635.0	21.125	536.6	19.375	492.1
18.00	457.2	29.00	736.6	27.00	685.8	23.125	587.4	21.375	542.9
20.00	508.0	31.00	787.4	29.00	736.6	25.125	638.2	23.375	593.7
24.00	609.6	35.00	889.0	33.00	838.2	29.125	739.8	27.375	695.3
30.00	762.0	41.00	1041.4	39.00	990.6	35.125	892.2	33.375	847.7
36.00	914.4	47.00	1193.8	45.00	1143.0	41.125	1044.6	39.375	1000.1
42.00	1066.8	53.00	1346.2	51.00	1295.4	47.125	1197.0	45.375	1152.5
48.00	1219.2	59.00	1498.6	57.00	1447.8	53.125	1349.4	51.375	1304.9

		Ø 4" (Ø101.6 mm) [CAN Ø 2.5" (Ø63 mm)]								Ø 5" (Ø127.0 mm) [CAN Ø 3.5" (Ø89 mm)]									
BW	Drop	MODEL	E (±)		H		Weight		BW	Drop	MODEL	E (±)		H		Weight			
[in]	[mm]		[in]	[mm]	[in]	[mm]	[Lb]	[KG]	[in]	[mm]		[in]	[mm]	[in]	[mm]	[Lb]	[KG]		
14	356	1-1/2"	B4-1RRD-14	0.50	12.7	3.50	88.9	14.1	6.38	14	356	1-1/2"	B5-1RRD-14	1.00	25.4	4.00	101.6	15.8	7.16
16	406		B4-1RRD-16	0.50	12.7	3.50	88.9	15.2	6.88	16	406		B5-1RRD-16	1.00	25.4	4.00	101.6	17.0	7.73
18	457		B4-1RRD-18	0.50	12.7	3.50	88.9	16.0	7.27	18	457		B5-1RRD-18	1.00	25.4	4.00	101.6	17.9	8.14
20	508		B4-1RRD-20	0.50	12.7	3.50	88.9	17.1	7.78	20	508		B5-1RRD-20	1.00	25.4	4.00	101.6	19.2	8.71
24	610		B4-1RRD-24	0.50	12.7	3.50	88.9	19.1	8.67	24	610		B5-1RRD-24	1.00	25.4	4.00	101.6	21.3	9.69
30	762		B4-1RRD-30	0.50	12.7	3.50	88.9	21.9	9.95	30	762		B5-1RRD-30	1.00	25.4	4.00	101.6	24.4	11.09
36	914		B4-1RRD-36	0.50	12.7	3.50	88.9	24.7	11.22	36	914		B5-1RRD-36	1.00	25.4	4.00	101.6	27.5	12.48
42	1067		B4-1RRD-42	0.50	12.7	3.50	88.9	27.5	12.50	42	1067		B5-1RRD-42	1.00	25.4	4.00	101.6	30.6	13.88
48	1219	4-1/2"	B4-1RRD-48	0.50	12.7	3.50	88.9	30.4	13.78	48	1219	4-1/2"	B5-1RRD-48	1.00	25.4	4.00	101.6	33.6	15.27
14	356		B4-4RRD-14	2.50	63.5	6.50	165.1	16.3	7.39	14	356		B5-4RRD-14	2.00	50.8	7.00	177.8	18.0	8.16
16	406		B4-4RRD-16	2.50	63.5	6.50	165.1	17.4	7.89	16	406		B5-4RRD-16	2.00	50.8	7.00	177.8	19.2	8.73
18	457		B4-4RRD-18	2.50	63.5	6.50	165.1	18.2	8.27	18	457		B5-4RRD-18	2.00	50.8	7.00	177.8	20.1	9.14
20	508		B4-4RRD-20	2.50	63.5	6.50	165.1	19.3	8.78	20	508		B5-4RRD-20	2.00	50.8	7.00	177.8	21.4	9.71
24	610		B4-4RRD-24	2.50	63.5	6.50	165.1	21.3	9.67	24	610		B5-4RRD-24	2.00	50.8	7.00	177.8	23.5	10.69
30	762		B4-4RRD-30	2.50	63.5	6.50	165.1	24.1	10.95	30	762		B5-4RRD-30	2.00	50.8	7.00	177.8	26.6	12.09
36	914		B4-4RRD-36	2.50	63.5	6.50	165.1	26.9	12.23	36	914		B5-4RRD-36	2.00	50.8	7.00	177.8	29.7	13.49
42	1067	B4-4RRD-42	2.50	63.5	6.50	165.1	29.8	13.51	42	1067	B5-4RRD-42	2.00	50.8	7.00	177.8	32.8	14.88		
48	1219	B4-4RRD-48	2.50	63.5	6.50	165.1	32.6	14.79	48	1219	B5-4RRD-48	2.00	50.8	7.00	177.8	35.9	16.28		

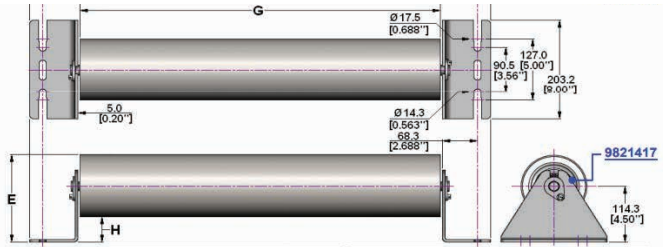
Ø 6" (Ø152.4 mm) [CAN Ø 4.5" (Ø114 mm)]									
BW		Drop	MODEL	E (±)		H	Weight		
[in]	[mm]	[in]		[in]	[mm]	[in]	[mm]	[Lb]	[kg]
14	356	1-1/2"	B6-1RRD-14	1.50	38.1	4.50	114.3		
16	406		B6-1RRD-16	1.50	38.1	4.50	114.3		
18	457		B6-1RRD-18	1.50	38.1	4.50	114.3		
20	508		B6-1RRD-20	1.50	38.1	4.50	114.3		
24	610		B6-1RRD-24	1.50	38.1	4.50	114.3		
30	762		B6-1RRD-30	1.50	38.1	4.50	114.3		
36	914		B6-1RRD-36	1.50	38.1	4.50	114.3		
42	1067		B6-1RRD-42	1.50	38.1	4.50	114.3		
48	1219		B6-1RRD-48	1.50	38.1	4.50	114.3		
14	356	4-1/2"	B6-4RRD-14	1.50	38.1	7.50	190.5		
16	406		B6-4RRD-16	1.50	38.1	7.50	190.5		
18	457		B6-4RRD-18	1.50	38.1	7.50	190.5		
20	508		B6-4RRD-20	1.50	38.1	7.50	190.5		
24	610		B6-4RRD-24	1.50	38.1	7.50	190.5		
30	762		B6-4RRD-30	1.50	38.1	7.50	190.5		
36	914		B6-4RRD-36	1.50	38.1	7.50	190.5		
42	1067		B6-4RRD-42	1.50	38.1	7.50	190.5		
48	1219		B6-4RRD-48	1.50	38.1	7.50	190.5		



Ø 4" (Ø101.6 mm)								
BW		MODEL	h		H		Weight	
[in]	[mm]		[in]	[mm]	[in]	[mm]	[Lb]	[kg]
14	356	B4-CIR-14	5.25	133.4	9.25	235.0	14.3	6.50
16	406	B4-CIR-16	5.25	133.4	9.25	235.0	15.3	6.96
18	457	B4-CIR-18	5.25	133.4	9.25	235.0	16.3	7.42
20	508	B4-CIR-20	5.25	133.4	9.25	235.0	17.4	7.89
24	610	B4-CIR-24	5.25	133.4	9.25	235.0	19.4	8.81
30	762	B4-CIR-30	5.25	133.4	9.25	235.0	22.5	10.20
36	914	B4-CIR-36	5.25	133.4	9.25	235.0	25.5	11.59
42	1067	B4-CIR-42	5.25	133.4	9.25	235.0	28.6	12.97
48	1219	B4-CIR-48	5.25	133.4	9.25	235.0	31.6	14.36

Ø 5" (Ø127.0 mm)								
BW		MODEL	h		H		Weight	
[in]	[mm]		[in]	[mm]	[in]	[mm]	[Lb]	[kg]
14	356	B5-CIR-14	4.75	120.7	9.75	247.7	16.4	7.46
16	406	B5-CIR-16	4.75	120.7	9.75	247.7	17.7	8.02
18	457	B5-CIR-18	4.75	120.7	9.75	247.7	18.9	8.58
20	508	B5-CIR-20	4.75	120.7	9.75	247.7	20.1	9.13
24	610	B5-CIR-24	4.75	120.7	9.75	247.7	22.6	10.25
30	762	B5-CIR-30	4.75	120.7	9.75	247.7	26.3	11.92
36	914	B5-CIR-36	4.75	120.7	9.75	247.7	29.9	13.59
42	1067	B5-CIR-42	4.75	120.7	9.75	247.7	33.6	15.25
48	1219	B5-CIR-48	4.75	120.7	9.75	247.7	37.3	16.93

Ø 6" (Ø152.4 mm)								
BW		B		G		MODEL	h	
[in]	[mm]	[in]	[mm]	[in]	[mm]		[in]	[mm]
14	356	19.625	498.5	17.375	441.3	B6-CIR-14	4.25	108.0
16	406	21.625	549.3	19.375	492.1	B6-CIR-16	4.25	108.0
18	457	23.625	600.1	21.375	542.9	B6-CIR-18	4.25	108.0
20	508	25.625	650.9	23.375	593.7	B6-CIR-20	4.25	108.0
24	610	29.625	752.5	27.375	695.3	B6-CIR-24	4.25	108.0
30	762	35.625	904.9	33.375	847.7	B6-CIR-30	4.25	108.0
36	914	41.625	1057.3	39.375	1000.1	B6-CIR-36	4.25	108.0
42	1067	47.625	1209.7	45.375	1152.5	B6-CIR-42	4.25	108.0
48	1219	53.625	1362.1	51.375	1304.9	B6-CIR-48	4.25	108.0

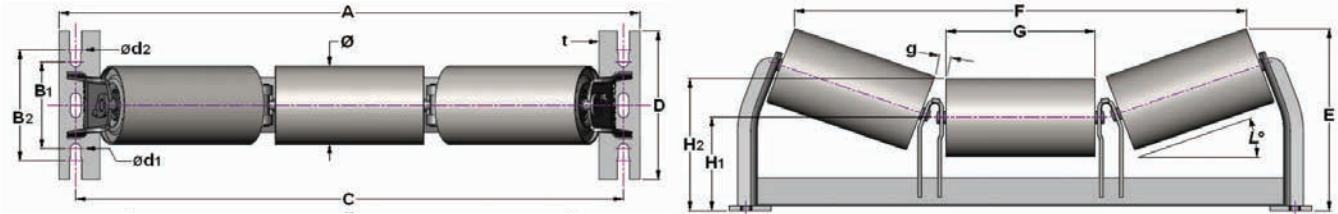


BW		A		C		G	
(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)
14.00	355.6	25.00	635.0	23.00	584.2	17.375	441.3
16.00	406.4	27.00	685.8	25.00	635.0	19.375	492.1
18.00	457.2	29.00	736.6	27.00	685.8	21.375	542.9
20.00	508.0	31.00	787.4	29.00	736.6	23.375	593.7
24.00	609.6	35.00	889.0	33.00	838.2	27.375	695.3
30.00	762.0	41.00	1041.4	39.00	990.6	33.375	847.7
36.00	914.4	47.00	1193.8	45.00	1143.0	39.375	1000.1
42.00	1066.8	53.00	1346.2	51.00	1295.4	45.375	1152.5
48.00	1219.2	59.00	1498.6	57.00	1447.8	51.375	1304.9

		Ø 4" (Ø101.6 mm)							
BW		Drop	MODEL	H (±)		E		Weight	
[in]	[mm]	[in]		[in]	[mm]	[in]	[mm]	[Lb]	[Kg]
14	356	1-1/2"	B4-1F-14	0.50	12.7	3.50	88.9	13.6	6.16
16	406		B4-1F-16	0.50	12.7	3.50	88.9	14.6	6.63
18	457		B4-1F-18	0.50	12.7	3.50	88.9	15.6	7.09
20	508		B4-1F-20	0.50	12.7	3.50	88.9	16.6	7.55
24	610		B4-1F-24	0.50	12.7	3.50	88.9	18.7	8.48
30	762		B4-1F-30	0.50	12.7	3.50	88.9	21.7	9.86
36	914		B4-1F-36	0.50	12.7	3.50	88.9	24.8	11.25
42	1067		B4-1F-42	0.50	12.7	3.50	88.9	27.8	12.64
48	1219	B4-1F-48	0.50	12.7	3.50	88.9	30.9	14.03	
14	356	4-1/2"	B4-4F-14	2.50	63.5	6.50	165.1	16.1	7.30
16	406		B4-4F-16	2.50	63.5	6.50	165.1	17.1	7.76
18	457		B4-4F-18	2.50	63.5	6.50	165.1	18.1	8.23
20	508		B4-4F-20	2.50	63.5	6.50	165.1	19.1	8.69
24	610		B4-4F-24	2.50	63.5	6.50	165.1	21.2	9.61
30	762		B4-4F-30	2.50	63.5	6.50	165.1	24.2	11.00
36	914		B4-4F-36	2.50	63.5	6.50	165.1	27.3	12.39
42	1067		B4-4F-42	2.50	63.5	6.50	165.1	30.4	13.78
48	1219	B4-4F-48	2.50	63.5	6.50	165.1	33.4	15.16	

		Ø 5" (Ø127.0 mm)							
BW		Drop	MODEL	H (±)		E		Weight	
[in]	[mm]	[in]		[in]	[mm]	[in]	[mm]	[Lb]	[Kg]
14	356	1-1/2"	B5-1F-14	1.00	25.4	4.00	101.6	15.7	7.14
16	406		B5-1F-16	1.00	25.4	4.00	101.6	17.0	7.70
18	457		B5-1F-18	1.00	25.4	4.00	101.6	18.2	8.26
20	508		B5-1F-20	1.00	25.4	4.00	101.6	19.4	8.81
24	610		B5-1F-24	1.00	25.4	4.00	101.6	21.9	9.93
30	762		B5-1F-30	1.00	25.4	4.00	101.6	25.6	11.60
36	914		B5-1F-36	1.00	25.4	4.00	101.6	29.2	13.26
42	1067		B5-1F-42	1.00	25.4	4.00	101.6	32.9	14.93
48	1219		B5-1F-48	1.00	25.4	4.00	101.6	36.6	16.60
14	356	4-1/2"	B5-4F-14	2.00	50.8	7.00	177.8	18.2	8.28
16	406		B5-4F-16	2.00	50.8	7.00	177.8	19.5	8.84
18	457		B5-4F-18	2.00	50.8	7.00	177.8	20.7	9.39
20	508		B5-4F-20	2.00	50.8	7.00	177.8	21.9	9.95
24	610		B5-4F-24	2.00	50.8	7.00	177.8	24.4	11.06
30	762		B5-4F-30	2.00	50.8	7.00	177.8	28.0	12.73
36	914		B5-4F-36	2.00	50.8	7.00	177.8	31.7	14.40
42	1067		B5-4F-42	2.00	50.8	7.00	177.8	35.4	16.07
48	1219		B5-4F-48	2.00	50.8	7.00	177.8	39.1	17.74

		Ø 6" (Ø152.4 mm)							
BW		Drop	MODEL	H (±)		E		Weight	
[in]	[mm]	[in]		[in]	[mm]	[in]	[mm]	[Lb]	[kg]
14	356	1-1/2"	B6-1F-14	1.50	38.1	4.50	114.3		
16	406		B6-1F-16	1.50	38.1	4.50	114.3		
18	457		B6-1F-18	1.50	38.1	4.50	114.3		
20	508		B6-1F-20	1.50	38.1	4.50	114.3		
24	610		B6-1F-24	1.50	38.1	4.50	114.3		
30	762		B6-1F-30	1.50	38.1	4.50	114.3		
36	914		B6-1F-36	1.50	38.1	4.50	114.3		
42	1067		B6-1F-42	1.50	38.1	4.50	114.3		
48	1219	B6-1F-48	1.50	38.1	4.50	114.3			
14	356	4-1/2"	B6-4F-14	1.50	38.1	7.50	190.5		
16	406		B6-4F-16	1.50	38.1	7.50	190.5		
18	457		B6-4F-18	1.50	38.1	7.50	190.5		
20	508		B6-4F-20	1.50	38.1	7.50	190.5		
24	610		B6-4F-24	1.50	38.1	7.50	190.5		
30	762		B6-4F-30	1.50	38.1	7.50	190.5		
36	914		B6-4F-36	1.50	38.1	7.50	190.5		
42	1067		B6-4F-42	1.50	38.1	7.50	190.5		
48	1219	B6-4F-48	1.50	38.1	7.50	190.5			



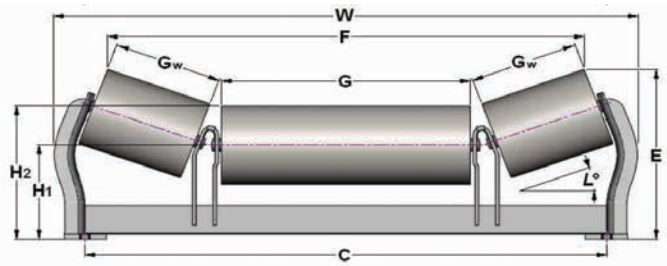
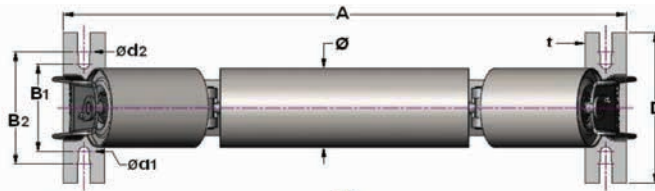
BW		A		B ₁		ø d ₁		B ₂		ø d ₂		C		D		G		H ₁		t	
(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)
18	457	29.00	736.6	5.50	139.7	0.563	14.3	7.00	177.8	0.688	17.5	27.00	685.8	9.500	241.3	6.750	171.5	6.000	152.4	0.315	8.0
20	508	31.00	787.4	5.50	139.7	0.563	14.3	7.00	177.8	0.688	17.5	29.00	736.6	9.500	241.3	7.625	193.7	6.000	152.4	0.315	8.0
24	610	35.00	889.0	5.50	139.7	0.563	14.3	7.00	177.8	0.688	17.5	33.00	838.2	9.500	241.3	8.938	227.0	6.000	152.4	0.315	8.0
30	762	41.50	1054.1	5.50	139.7	0.563	14.3	7.00	177.8	0.688	17.5	39.00	990.6	9.500	241.3	11.063	281.0	6.125	155.6	0.315	8.0
36	914	47.50	1206.5	5.50	139.7	0.563	14.3	7.00	177.8	0.688	17.5	45.00	1143.0	9.500	241.3	13.063	331.8	6.125	155.6	0.394	10.0
42	1067	53.50	1358.9	5.50	139.7	0.563	14.3	7.00	177.8	0.688	17.5	51.00	1295.4	9.500	241.3	15.063	382.6	6.500	165.1	0.394	10.0
48	1219	59.50	1511.3	5.50	139.7	0.563	14.3	7.00	177.8	0.688	17.5	57.00	1447.8	9.500	241.3	17.063	433.4	6.500	165.1	0.394	10.0
54	1372	65.50	1663.7	---	---	---	---	7.00	177.8	0.688	17.5	63.00	1600.2	10.938	277.8	19.063	484.2	6.500	165.1	0.394	10.0
60	1524	71.50	1816.1	---	---	---	---	7.00	177.8	0.688	17.5	69.00	1752.6	10.938	277.8	21.063	535.0	6.500	165.1	0.394	10.0

Ø 4" (Ø101.6 mm)										
BW	L	MODEL	E	F	H ₂	Weight				
(in)	(mm)		(in)	(mm)	(in)	(mm)	(lb)	(kg)		
18	457	C4-20TE-18	10.472	266.0	21.094	535.8	8.008	203.4	39.5	17.94
20	508	C4-20TE-20	10.771	273.6	23.603	599.5	8.008	203.4	41.9	19.03
24	610	C4-20TE-24	11.223	285.1	27.424	696.6	8.008	203.4	45.9	20.85
30	762	C4-20TE-30	12.075	306.7	33.546	852.1	8.133	206.6	52.4	23.81
36	914	C4-20TE-36	12.760	324.1	39.318	998.7	8.133	206.6	61.8	28.07
42	1067	C4-20TE-42	13.814	350.9	45.015	1143.4	8.508	216.1	68.7	31.18
48	1219	C4-20TE-48	14.499	368.3	50.789	1290.0	8.508	216.1	75.1	34.10
54	1372	C4-20TE-54	15.185	385.7	56.564	1436.7	8.508	216.1	88.0	39.96
60	1524	C4-20TE-60	15.870	403.1	62.338	1583.4	8.508	216.1	95.0	43.12
18	457	C4-35TE-18	12.110	307.6	19.271	489.5	8.008	203.4	41.2	18.70
20	508	C4-35TE-20	12.609	320.3	21.564	547.7	8.008	203.4	43.7	19.85
24	610	C4-35TE-24	13.370	339.6	25.074	636.9	8.008	203.4	48.0	21.77
30	762	C4-35TE-30	14.714	373.7	30.682	779.3	8.133	206.6	54.7	24.85
36	914	C4-35TE-36	15.863	402.9	35.973	913.7	8.133	206.6	64.5	29.30
42	1067	C4-35TE-42	17.376	441.4	41.192	1046.3	8.508	216.1	71.7	32.54
48	1219	C4-35TE-48	18.526	470.6	46.483	1180.7	8.508	216.1	78.5	35.62
54	1372	C4-35TE-54	19.675	499.7	51.774	1315.1	8.508	216.1	92.1	41.80
60	1524	C4-35TE-60	20.825	529.0	57.065	1449.5	8.508	216.1	99.4	45.14

Ø 5" (Ø127.0 mm)										
BW	L	MODEL	E	F	H ₂	Weight				
(in)	(mm)		(in)	(mm)	(in)	(mm)	(lb)	(kg)		
18	457	C5-20TE-18	10.934	277.7	20.755	527.2	8.500	215.9	43.1	19.59
20	508	C5-20TE-20	11.232	285.3	23.257	590.7	8.500	215.9	45.9	20.83
24	610	C5-20TE-24	11.685	296.8	27.087	688.0	8.500	215.9	50.3	22.85
30	762	C5-20TE-30	12.537	318.4	33.207	843.5	8.625	219.1	57.5	26.12
36	914	C5-20TE-36	13.223	335.9	38.981	990.1	8.625	219.1	67.7	30.75
42	1067	C5-20TE-42	14.277	362.6	44.679	1134.8	9.000	228.6	75.3	34.20
48	1219	C5-20TE-48	14.962	380.0	50.453	1281.5	9.000	228.6	82.5	37.44
54	1372	C5-20TE-54	15.647	397.4	56.227	1428.2	9.000	228.6	96.2	43.66
60	1524	C5-20TE-60	16.333	414.9	62.001	1574.8	9.000	228.6	103.9	47.15
18	457	C5-35TE-18	12.513	317.8	18.707	475.2	8.500	215.9	44.8	20.35
20	508	C5-35TE-20	13.012	330.5	20.999	533.4	8.500	215.9	47.7	21.65
24	610	C5-35TE-24	13.773	349.8	24.509	622.5	8.500	215.9	52.4	23.78
30	762	C5-35TE-30	15.117	384.0	30.118	765.0	8.625	219.1	59.9	27.20
36	914	C5-35TE-36	16.266	413.2	35.409	899.4	8.625	219.1	70.5	31.99
42	1067	C5-35TE-42	17.780	451.6	40.628	1032.0	9.000	228.6	78.3	35.56
48	1219	C5-35TE-48	18.929	480.8	45.919	1166.3	9.000	228.6	85.8	38.97
54	1372	C5-35TE-54	20.078	510.0	51.210	1300.7	9.000	228.6	100.2	45.50
60	1524	C5-35TE-60	21.228	539.2	56.501	1435.1	9.000	228.6	108.3	49.17

Ø 6" (Ø152.4 mm)										
BW	L	MODEL	E	F	H ₂	Weight				
(in)	(mm)		(in)	(mm)	(in)	(mm)	(lb)	(kg)		
18	457	C6-20TE-18	11.405	289.7	20.415	518.5	9.000	228.6	49.3	22.40
20	508	C6-20TE-20	11.702	297.2	22.918	582.1	9.000	228.6	52.7	23.91
24	610	C6-20TE-24	12.156	308.8	26.749	679.4	9.000	228.6	58.0	26.34
30	762	C6-20TE-30	13.008	330.4	32.869	834.9	9.125	231.8	66.6	30.25
36	914	C6-20TE-36	13.693	347.8	38.643	981.5	9.125	231.8	78.2	35.49
42	1067	C6-20TE-42	14.747	374.6	44.341	1126.3	9.500	241.3	87.1	39.53
48	1219	C6-20TE-48	15.432	392.0	50.115	1272.9	9.500	241.3	95.6	43.39
54	1372	C6-20TE-54	16.118	409.4	55.889	1419.6	9.500	241.3	110.5	50.18
60	1524	C6-20TE-60	16.803	426.8	61.663	1566.2	9.500	241.3	119.6	54.28
18	457	C6-35TE-18	12.924	328.3	18.136	460.7	9.000	228.6	51.2	23.23
20	508	C6-35TE-20	13.423	340.9	20.429	518.9	9.000	228.6	54.6	24.80
24	610	C6-35TE-24	14.183	360.2	23.939	608.1	9.000	228.6	60.0	27.26
30	762	C6-35TE-30	15.528	394.4	29.545	750.4	9.125	231.8	69.0	31.33
36	914	C6-35TE-36	16.677	423.6	34.838	884.9	9.125	231.8	80.9	36.72
42	1067	C6-35TE-42	18.190	462.0	40.057	1017.4	9.500	241.3	90.1	40.89
48	1219	C6-35TE-48	19.340	491.2	45.348	1151.8	9.500	241.3	98.9	44.90
54	1372	C6-35TE-54	20.489	520.4	50.639	1286.2	9.500	241.3	114.6	52.02
60	1524	C6-35TE-60	21.639	549.6	55.926	1420.5	9.500	241.3	124.0	56.29

CEMA C - TU (TROUGHER UNEQUAL)

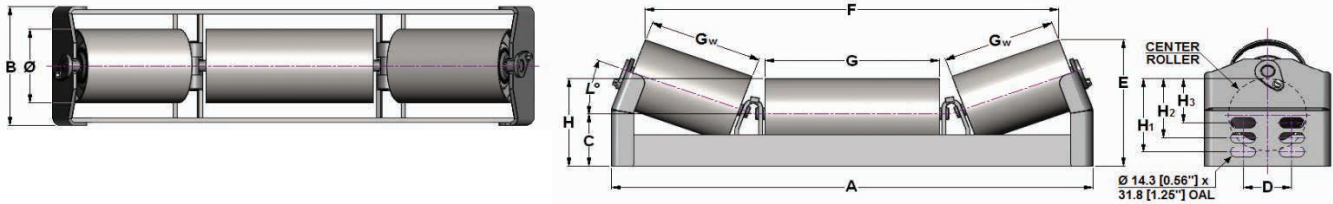


BW	A	B ₁	Ø d ₁	B ₂	Ø d ₂	C	D	G	G _w	H ₁	t
[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]
18	457	29.00	736.6	5.50	139.7	0.563	14.3	7.00	177.8	0.688	17.5
20	508	31.00	787.4	5.50	139.7	0.563	14.3	7.00	177.8	0.688	17.5
24	610	35.00	889.0	5.50	139.7	0.563	14.3	7.00	177.8	0.688	17.5
30	762	41.50	1054.1	5.50	139.7	0.563	14.3	7.00	177.8	0.688	17.5
36	914	47.50	1206.5	5.50	139.7	0.563	14.3	7.00	177.8	0.688	17.5
42	1067	53.50	1358.9	5.50	139.7	0.563	14.3	7.00	177.8	0.688	17.5
48	1219	59.50	1511.3	5.50	139.7	0.563	14.3	7.00	177.8	0.688	17.5
54	1372	65.50	1663.7	5.50	139.7	0.563	14.3	7.00	177.8	0.688	17.5
60	1524	71.50	1816.1	5.50	139.7	0.563	14.3	7.00	177.8	0.688	17.5

Ø 4" (Ø101.6 mm)									
BW	L	MODEL	E	F	H ₂	Weight			
[in]	[mm]		[in]	[mm]	[in]	[mm]	[lb]	[kg]	
18	457	C4-20TU-18	10.01	254.3	20.81	528.6	8.01	203.4	
20	508	C4-20TU-20	10.01	254.3	22.94	582.6	8.01	203.4	
24	610	C4-20TU-24	10.01	254.3	26.91	683.6	8.01	203.4	
30	762	C4-20TU-30	10.14	257.5	33.17	842.6	8.13	206.6	
36	914	C4-20TU-36	10.14	257.5	39.16	994.6	8.13	206.6	
42	1067	C4-20TU-42	10.51	267.0	45.18	1147.6	8.51	216.1	
48	1219	C4-20TU-48	10.51	267.0	51.16	1299.6	8.51	216.1	
54	1372	C4-20TU-54	11.72	297.6	57.78	1467.7	8.51	216.1	
60	1524	C4-20TU-60	11.72	297.6	63.77	1619.7	8.51	216.1	
18	457	C4-35TU-18	11.34	288.1	19.31	490.6	8.01	203.4	
20	508	C4-35TU-20	11.34	288.1	21.44	544.6	8.01	203.4	
24	610	C4-35TU-24	11.34	288.1	25.42	645.6	8.01	203.4	
30	762	C4-35TU-30	11.47	291.3	31.68	804.6	8.13	206.6	
36	914	C4-35TU-36	11.47	291.3	37.66	956.6	8.13	206.6	
42	1067	C4-35TU-42	11.84	300.8	43.68	1109.6	8.51	216.1	
48	1219	C4-35TU-48	11.84	300.8	49.67	1261.6	8.51	216.1	
54	1372	C4-35TU-54	13.86	352.0	55.44	1408.2	8.51	216.1	
60	1524	C4-35TU-60	13.86	352.0	61.42	1560.2	8.51	216.1	
18	457	C4-45TU-18	12.19	309.7	18.34	466.0	8.01	203.4	
20	508	C4-45TU-20	12.19	309.7	20.47	520.0	8.01	203.4	
24	610	C4-45TU-24	12.19	309.7	24.45	621.0	8.01	203.4	
30	762	C4-45TU-30	12.32	312.8	30.71	780.0	8.13	206.6	
36	914	C4-45TU-36	12.32	312.8	36.69	932.0	8.13	206.6	
42	1067	C4-45TU-42	12.69	322.4	42.71	1085.0	8.51	216.1	
48	1219	C4-45TU-48	12.69	322.4	48.70	1237.0	8.51	216.1	
54	1372	C4-45TU-54	15.18	385.5	53.68	1363.5	8.51	216.1	
60	1524	C4-45TU-60	15.18	385.5	59.67	1515.5	8.51	216.1	

Ø 5" (Ø127.0 mm)									
BW	L	MODEL	E	F	H ₂	Weight			
[in]	[mm]		[in]	[mm]	[in]	[mm]	[lb]	[kg]	
18	457	C5-20TU-18	10.48	266.2	20.47	519.9	8.50	215.9	
20	508	C5-20TU-20	10.48	266.2	22.59	573.9	8.50	215.9	
24	610	C5-20TU-24	10.48	266.2	26.57	674.9	8.50	215.9	
30	762	C5-20TU-30	10.61	269.4	32.83	833.9	8.63	219.1	62.4
36	914	C5-20TU-36	10.61	269.4	38.81	985.9	8.63	219.1	
42	1067	C5-20TU-42	10.98	278.9	44.84	1138.9	9.00	228.6	
48	1219	C5-20TU-48	10.98	278.9	50.82	1290.9	9.00	228.6	83.2
54	1372	C5-20TU-54	12.19	309.5	57.44	1459.0	9.00	228.6	
60	1524	C5-20TU-60	12.19	309.5	63.43	1611.0	9.00	228.6	
18	457	C5-35TU-18	11.75	298.5	18.74	475.9	8.50	215.9	
20	508	C5-35TU-20	11.75	298.5	20.87	530.0	8.50	215.9	
24	610	C5-35TU-24	11.75	298.5	24.84	631.0	8.50	215.9	
30	762	C5-35TU-30	11.88	301.7	31.10	790.0	8.63	219.1	65.0
36	914	C5-35TU-36	11.88	301.7	37.09	942.0	8.63	219.1	
42	1067	C5-35TU-42	12.25	311.2	43.11	1095.0	9.00	228.6	
48	1219	C5-35TU-48	12.25	311.2	49.09	1247.0	9.00	228.6	
54	1372	C5-35TU-54	14.27	362.4	54.87	1393.6	9.00	228.6	
60	1524	C5-35TU-60	14.27	362.4	60.85	1545.6	9.00	228.6	
18	457	C5-45TU-18	12.55	318.6	17.64	448.0	8.50	215.9	
20	508	C5-45TU-20	12.55	318.6	19.76	502.0	8.50	215.9	
24	610	C5-45TU-24	12.55	318.6	23.74	603.0	8.50	215.9	
30	762	C5-45TU-30	12.67	321.8	30.00	762.0	8.63	219.1	
36	914	C5-45TU-36	12.67	321.8	35.98	914.0	8.63	219.1	
42	1067	C5-45TU-42	13.05	331.3	42.01	1067.0	9.00	228.6	
48	1219	C5-45TU-48	13.05	331.3	47.99	1219.0	9.00	228.6	
54	1372	C5-45TU-54	15.53	394.5	52.98	1345.6	9.00	228.6	
60	1524	C5-45TU-60	15.53	394.5	58.96	1497.6	9.00	228.6	

Ø 6" (Ø152.4 mm)									
BW	L	MODEL	E	F	H ₂	Weight	ALL		
[in]	[mm]		[in]	[mm]	[in]	[mm]	[lb]	[kg]	W
18	457	C6-20TU-18	10.95	278.2	20.13	511.2	9.00	228.6	---
20	508	C6-20TU-20	10.95	278.2	22.25	565.2	9.00	228.6	---
24	610	C6-20TU-24	10.95	278.2	26.23	666.2	9.00	228.6	---
30	762	C6-20TU-30	11.08	281.3	32.49	825.2	9.13	231.8	---
36	914	C6-20TU-36	11.08	281.3	38.47	977.2	9.13	231.8	---
42	1067	C6-20TU-42	11.45	290.9	44.50	1130.2	9.50	241.3	---
48	1219	C6-20TU-48	11.45	290.9	50.48	1282.2	9.50	241.3	---
54	1372	C6-20TU-54	12.66	321.4	57.10	1450.3	9.50	241.3	---
60	1524	C6-20TU-60	12.66	321.4	63.08	1602.3	9.50	241.3	---
18	457	C6-35TU-18	12.16	308.9	18.17	461.4	9.00	228.6	29.10
20	508	C6-35TU-20	12.16	308.9	20.29	515.4	9.00	228.6	31.22
24	610	C6-35TU-24	12.16	308.9	24.27	616.4	9.00	228.6	35.20
30	762	C6-35TU-30	12.29	312.1	30.53	775.4	9.13	231.8	41.46
36	914	C6-35TU-36	12.29	312.1	36.51	927.4	9.13	231.8	47.44
42	1067	C6-35TU-42	12.66	321.6	42.54	1080.4	9.50	241.3	53.47
48	1219	C6-35TU-48	12.66	321.6	48.52	1232.4	9.50	241.3	59.45
54	1372	C6-35TU-54	14.68	372.9	54.29	1379.0	9.50	241.3	65.26
60	1524	C6-35TU-60	14.68	372.9	60.28	1531.0	9.50	241.3	71.24
18	457	C6-45TU-18	12.90	327.6	16.93	430.0	9.00	228.6	30.33
20	508	C6-45TU-20	12.90	327.6	19.06	484.0	9.00	228.6	32.45
24	610	C6-45TU-24	12.90	327.6	23.03	585.0	9.00	228.6	36.43
30	762	C6-45TU-30	13.02	330.8	29.29	744.0	9.13	231.8	42.69
36	914	C6-45TU-36	13.02	330.8	35.28	896.0	9.13	231.8	48.67
42	1067	C6-45TU-42	13.40	340.3	41.30	1049.0	9.50	241.3	54.70
48	1219	C6-45TU-48	13.40	340.3	47.28	1201.0	9.50	241.3	60.68
54	1372	C6-45TU-54	15.89	403.5	52.27	1327.6	9.50	241.3	65.70
60	1524	C6-45TU-60	15.89	403.5	58.25	1479.6	9.50	241.3	71.71

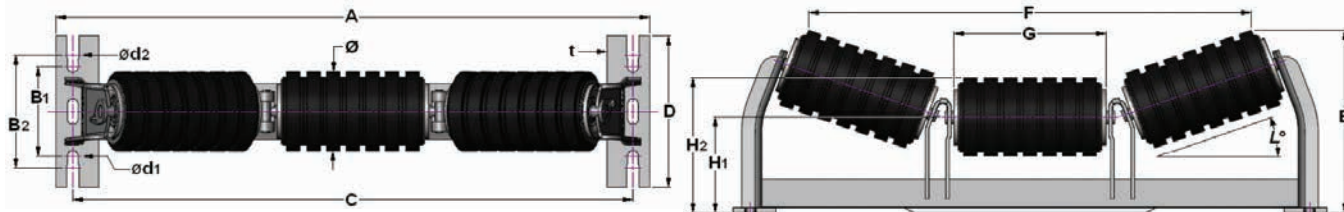


BW		A		B		C		D		G		G _w	
[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]
18	457	23.625	600.1	6.500	165.1	3.000	76.2	2.500	63.5	6.750	171.5	6.063	154.0
20	508	25.625	650.9	6.500	165.1	3.000	76.2	2.500	63.5	7.625	193.7	6.750	171.5
24	610	29.625	752.5	6.500	165.1	3.000	76.2	2.500	63.5	11.063	281.0	6.750	171.5
30	762	35.625	904.9	6.500	165.1	3.000	76.2	2.500	63.5	13.063	331.8	8.938	227.0
36	914	41.625	1057.3	6.500	165.1	3.000	76.2	2.500	63.5	15.063	382.6	11.063	281.0
42	1067	47.625	1209.7	6.500	165.1	3.000	76.2	2.500	63.5	17.063	433.4	13.063	331.8
48	1219	53.625	1362.1	6.500	165.1	3.000	76.2	2.500	63.5	19.063	484.2	15.063	382.6
54	1372	59.625	1514.5	6.500	165.1	3.000	76.2	2.500	63.5	21.063	535.0	17.063	433.4
60	1524	65.625	1666.9	6.500	165.1	3.000	76.2	2.500	63.5	23.375	593.7	19.063	484.2

		Ø 4" (Ø101.6 mm)															
BW	L	MODEL	E		F		H		H ₁		H ₂		H ₃		Weight		
[in]	[mm]		[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[Lb]	[Kg]	
18	457	20	C4-20CIT-18	7.23	183.7	19.78	502.4	5.000	127.0	4.188	106.4	3.375	85.7		31.8	14.45	
20	508		C4-20CIT-20	7.47	189.8	21.96	557.7	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	34.9	15.85
24	610		C4-20CIT-24	7.47	189.8	25.42	645.7	5.000	127.0	4.188	106.4	3.375	85.7		38.3	17.37	
30	762		C4-20CIT-30	8.22	208.9	31.56	801.5	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	44.3	20.11
36	914		C4-20CIT-36	8.95	227.3	37.52	953.0	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	50.4	22.86
42	1067		C4-20CIT-42	9.64	244.7	43.29	1099.7	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	56.3	25.54
48	1219		C4-20CIT-48	10.31	262.0	49.03	1245.4	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	62.2	28.22
54	1372		C4-20CIT-54	11.00	279.4	54.81	1392.0	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	75.7	34.39
60	1524	C4-20CIT-60	11.69	296.8	60.80	1544.2	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	82.6	37.51	
18	457	35	C4-35CIT-18	8.71	221.2	18.13	460.5	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	34.2	15.52
20	508		C4-35CIT-20	9.11	231.4	20.14	511.5	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	36.9	16.74
24	610		C4-35CIT-24	9.11	231.4	23.60	599.5	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	40.4	18.36
30	762		C4-35CIT-30	10.37	263.4	29.21	741.9	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	47.1	21.40
36	914		C4-35CIT-36	11.59	294.4	34.66	880.3	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	53.7	24.40
42	1067		C4-35CIT-42	12.74	323.5	39.95	1014.7	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	60.2	27.31
48	1219		C4-35CIT-48	13.88	352.5	45.21	1148.3	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	66.5	30.21
54	1372		C4-35CIT-54	15.03	381.7	50.50	1282.7	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	80.6	36.61
60	1524	C4-35CIT-60	16.18	410.8	56.01	1422.6	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	88.0	39.96	

		Ø 5" (Ø127.0 mm)															
BW	L	MODEL	E		F		H		H ₁		H ₂		H ₃		Weight		
[in]	[mm]		[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[Lb]	[KG]	
18	457	20	C5-20CIT-18	7.70	195.5	19.44	493.8	5.500	139.7	4.688	119.1	3.875	98.4		35.6	16.15	
20	508		C5-20CIT-20	7.93	201.5	21.62	549.2	5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2	38.6	17.54
24	610		C5-20CIT-24	7.93	201.5	25.09	637.2	5.500	139.7	4.688	119.1	3.875	98.4		42.4	19.25	
30	762		C5-20CIT-30	8.69	220.6	31.22	793.0	5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2	49.2	22.34
36	914		C5-20CIT-36	9.41	239.1	37.18	944.5	5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2	56.0	25.44
42	1067		C5-20CIT-42	10.10	256.5	42.96	1091.1	5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2	62.6	28.44
48	1219		C5-20CIT-48	10.78	273.7	48.70	1236.9	5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2	69.3	31.45
54	1372		C5-20CIT-54	11.46	291.1	54.47	1383.5	5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2	83.6	37.95
60	1524	C5-20CIT-60	12.15	308.5	60.46	1535.7	5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2	91.2	41.42	
18	457	35	C5-35CIT-18	9.11	231.5	17.56	446.1	5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2	37.2	16.90
20	508		C5-35CIT-20	9.51	241.6	19.57	497.2	5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2	40.6	18.43
24	610		C5-35CIT-24	9.51	241.6	23.04	585.1	5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2	44.6	20.24
30	762		C5-35CIT-30	10.77	273.6	28.64	727.5	5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2	52.0	23.63
36	914		C5-35CIT-36	11.99	304.6	34.09	866.0	5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2	59.4	26.97
42	1067		C5-35CIT-42	13.14	333.8	39.39	1000.4	5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2	66.5	30.21
48	1219		C5-35CIT-48	14.28	362.7	44.64	1134.0	5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2	73.7	33.44
54	1372		C5-35CIT-54	15.43	391.9	49.93	1268.3	5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2	88.5	40.17
60	1524	C5-35CIT-60	16.58	421.1	55.44	1408.2	5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2	96.6	43.87	

CEMA C - TEI (TROUGHER EQUAL IMPACT)

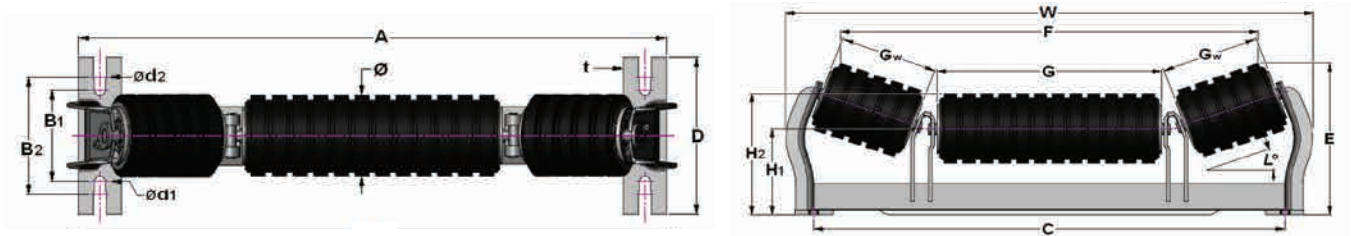


BW	A	B ₁	ø d ₁	B ₂	ø d ₂	C	D	G	H ₁	t
[in] [mm]	[in] [mm]	[in] [mm]	[in] [mm]	[in] [mm]	[in] [mm]	[in] [mm]	[in] [mm]	[in] [mm]	[in] [mm]	[in] [mm]
18 457	29.00 736.6	5.50 139.7	0.563 14.3	7.00 177.8	0.688 17.5	27.00 685.8	9.500 241.3	6.750 171.5	6.000 152.4	0.315 8.0
20 508	31.00 787.4	5.50 139.7	0.563 14.3	7.00 177.8	0.688 17.5	29.00 736.6	9.500 241.3	7.625 193.7	6.000 152.4	0.315 8.0
24 610	35.00 889.0	5.50 139.7	0.563 14.3	7.00 177.8	0.688 17.5	33.00 838.2	9.500 241.3	8.938 227.0	6.000 152.4	0.315 8.0
30 762	41.50 1054.1	5.50 139.7	0.563 14.3	7.00 177.8	0.688 17.5	39.00 990.6	9.500 241.3	11.063 281.0	6.125 155.6	0.315 8.0
36 914	47.50 1206.5	5.50 139.7	0.563 14.3	7.00 177.8	0.688 17.5	45.00 1143.0	9.500 241.3	13.063 331.8	6.125 155.6	0.394 10.0
42 1067	53.50 1358.9	5.50 139.7	0.563 14.3	7.00 177.8	0.688 17.5	51.00 1295.4	9.500 241.3	15.063 382.6	6.500 165.1	0.394 10.0
48 1219	59.50 1511.3	5.50 139.7	0.563 14.3	7.00 177.8	0.688 17.5	57.00 1447.8	9.500 241.3	17.063 433.4	6.500 165.1	0.394 10.0
54 1372	65.50 1663.7	5.50 139.7	0.563 14.3	7.00 177.8	0.688 17.5	63.00 1600.2	10.938 277.8	19.063 484.2	6.500 165.1	0.394 10.0
60 1524	71.50 1816.1	5.50 139.7	0.563 14.3	7.00 177.8	0.688 17.5	69.00 1752.6	10.938 277.8	21.063 535.0	6.500 165.1	0.394 10.0

Ø 4" (Ø101.6 mm)						
BW	L	MODEL	E	F	H ₂	Weight
[in] [mm]	[ft]		[in] [mm]	[in] [mm]	[in] [mm]	[Lb] [kg]
18 457	20	C4-20TEI-18	10.253 260.4	19.937 506.4	8.008 203.4	42.4 19.27
20 508		C4-20TEI-20	10.611 269.5	22.721 577.1	8.008 203.4	46.0 20.87
24 610		C4-20TEI-24	11.042 280.5	26.428 671.3	8.008 203.4	50.7 23.03
30 762		C4-20TEI-30	11.935 303.1	32.771 832.4	8.133 206.6	59.4 26.98
36 914		C4-20TEI-36	12.480 317.0	37.775 959.5	8.133 206.6	70.5 32.02
42 1067		C4-20TEI-42	13.596 345.3	43.813 1112.9	8.508 216.1	79.4 36.04
48 1219	35	C4-20TEI-48	14.343 364.3	49.928 1268.2	8.508 216.1	87.2 39.58
54 1372		C4-20TEI-54	14.888 378.2	54.932 1395.3	8.508 216.1	105.5 47.89
60 1524		C4-20TEI-60	15.635 397.1	61.047 1550.6	8.508 216.1	114.9 52.16
18 457		C4-35TEI-18	11.756 298.6	18.260 463.8	8.008 203.4	44.3 20.11
20 508		C4-35TEI-20	12.343 313.5	20.803 528.4	8.008 203.4	47.8 21.69
24 610		C4-35TEI-24	13.066 331.9	24.206 614.8	8.008 203.4	52.8 23.96
30 762	35	C4-35TEI-30	14.478 367.7	30.008 762.2	8.133 206.6	61.8 28.06
36 914		C4-35TEI-36	15.393 391.0	34.628 879.6	8.133 206.6	73.2 33.25
42 1067		C4-35TEI-42	17.010 432.1	40.144 1019.7	8.508 216.1	82.4 37.40
48 1219		C4-35TEI-48	18.263 463.9	45.732 1161.6	8.508 216.1	90.5 41.09
54 1372		C4-35TEI-54	19.177 487.1	50.352 1278.9	8.508 216.1	109.6 49.74
60 1524		C4-35TEI-60	20.431 518.9	55.940 1420.9	8.508 216.1	119.3 54.18

Ø 5" (Ø127.0 mm)						
BW	L	MODEL	E	F	H ₂	Weight
[in] [mm]	[ft]		[in] [mm]	[in] [mm]	[in] [mm]	[Lb] [kg]
18 457	20	C5-20TEI-18	10.722 272.3	19.591 497.6	8.500 215.9	46.7 21.20
20 508		C5-20TEI-20	11.073 281.3	22.381 568.5	8.500 215.9	50.5 22.94
24 610		C5-20TEI-24	11.503 292.2	26.088 662.6	8.500 215.9	55.9 25.36
30 762		C5-20TEI-30	12.396 314.9	32.431 823.7	8.625 219.1	65.6 29.80
36 914		C5-20TEI-36	12.941 328.7	37.435 950.8	8.625 219.1	77.5 35.17
42 1067		C5-20TEI-42	14.057 357.0	43.473 1104.2	9.000 228.6	87.3 39.64
48 1219	35	C5-20TEI-48	14.804 376.0	49.588 1259.5	9.000 228.6	96.1 43.65
54 1372		C5-20TEI-54	15.350 389.9	54.592 1386.6	9.000 228.6	115.3 52.33
60 1524		C5-20TEI-60	16.097 408.9	60.707 1542.0	9.000 228.6	125.7 57.06
18 457		C5-35TEI-18	12.158 308.8	17.692 449.4	8.500 215.9	48.4 21.96
20 508		C5-35TEI-20	12.745 323.7	20.236 514.0	8.500 215.9	52.3 23.75
24 610		C5-35TEI-24	13.468 342.1	23.638 600.4	8.500 215.9	57.9 26.28
30 762	35	C5-35TEI-30	14.880 378.0	29.441 747.8	8.625 219.1	68.0 30.86
36 914		C5-35TEI-36	15.794 401.2	34.061 865.1	8.625 219.1	80.2 36.40
42 1067		C5-35TEI-42	17.412 442.3	39.577 1005.3	9.000 228.6	90.3 41.01
48 1219		C5-35TEI-48	18.665 474.1	45.164 1147.2	9.000 228.6	99.5 45.17
54 1372		C5-35TEI-54	19.579 497.3	49.785 1264.5	9.000 228.6	119.3 54.17
60 1524		C5-35TEI-60	20.833 529.2	55.372 1406.4	9.000 228.6	130.1 59.07

Ø 6" (Ø152.4 mm)						
BW	L	MODEL	E	F	H ₂	Weight
[in] [mm]	[ft]		[in] [mm]	[in] [mm]	[in] [mm]	[Lb] [kg]
18 457	20	C6-20TEI-18	11.193 284.3	19.253 489.0	9.000 228.6	51.9 23.55
20 508		C6-20TEI-20	11.543 293.2	22.043 559.9	9.000 228.6	56.3 25.56
24 610		C6-20TEI-24	11.984 304.4	25.749 654.0	9.000 228.6	62.4 28.32
30 762		C6-20TEI-30	12.867 326.8	32.092 815.1	9.125 231.8	73.4 33.33
36 914		C6-20TEI-36	13.412 340.7	37.097 942.3	9.125 231.8	86.3 39.16
42 1067		C6-20TEI-42	14.528 369.0	43.135 1095.6	9.500 241.3	97.4 44.20
48 1219	35	C6-20TEI-48	15.275 388.0	49.249 1250.9	9.500 241.3	107.4 48.77
54 1372		C6-20TEI-54	15.820 401.8	54.254 1378.1	9.500 241.3	127.5 57.88
60 1524		C6-20TEI-60	16.568 420.8	60.368 1533.3	9.500 241.3	139.2 63.18
18 457		C6-35TEI-18	12.569 319.3	17.122 434.9	9.000 228.6	53.6 24.32
20 508		C6-35TEI-20	13.156 334.2	19.665 499.5	9.000 228.6	58.1 26.37
24 610		C6-35TEI-24	13.878 352.5	23.068 585.9	9.000 228.6	64.4 29.24
30 762	35	C6-35TEI-30	15.291 388.4	28.870 733.3	9.125 231.8	75.8 34.41
36 914		C6-35TEI-36	16.205 411.6	33.490 850.6	9.125 231.8	89.0 40.39
42 1067		C6-35TEI-42	17.822 452.7	39.006 990.8	9.500 241.3	100.4 45.56
48 1219		C6-35TEI-48	19.076 484.5	44.594 1132.7	9.500 241.3	110.7 50.28
54 1372		C6-35TEI-54	19.990 507.7	49.214 1250.0	9.500 241.3	131.5 59.72
60 1524		C6-35TEI-60	21.243 539.6	54.802 1392.0	9.500 241.3	143.6 65.19



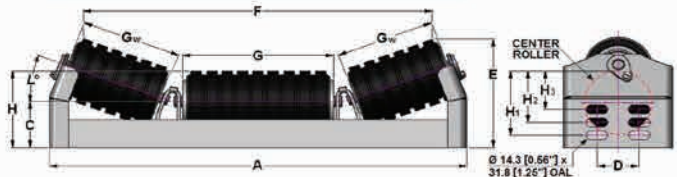
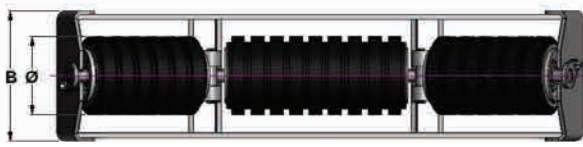
BW		A		B ₁		Ø d ₁		B ₂		Ø d ₂		C		D		G		G _w		H ₁		t	
[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]
18	457	29.00	736.6	5.50	139.7	0.563	14.3	7.00	177.8	0.688	17.5	27.00	685.8	9.500	241.3	8.938	227.0	5.438	138.1	6.000	152.4	0.315	8.0
20	508	31.00	787.4	5.50	139.7	0.563	14.3	7.00	177.8	0.688	17.5	29.00	736.6	9.500	241.3	11.063	281.0	5.438	138.1	6.000	152.4	0.315	8.0
24	610	35.00	889.0	5.50	139.7	0.563	14.3	7.00	177.8	0.688	17.5	33.00	838.2	9.500	241.3	15.063	382.6	5.438	138.1	6.000	152.4	0.315	8.0
30	762	41.50	1054.1	5.50	139.7	0.563	14.3	7.00	177.8	0.688	17.5	39.00	990.6	9.500	241.3	21.375	542.9	5.438	138.1	6.125	155.6	0.315	8.0
36	914	47.50	1206.5	5.50	139.7	0.563	14.3	7.00	177.8	0.688	17.5	45.00	1143.0	9.500	241.3	27.375	695.3	5.438	138.1	6.125	155.6	0.394	10.0
42	1067	53.50	1358.9	5.50	139.7	0.563	14.3	7.00	177.8	0.688	17.5	51.00	1295.4	9.500	241.3	33.375	847.7	5.438	138.1	6.500	165.1	0.394	10.0
48	1219	59.50	1511.3	5.50	139.7	0.563	14.3	7.00	177.8	0.688	17.5	57.00	1447.8	9.500	241.3	39.375	1000.1	5.438	138.1	6.500	165.1	0.394	10.0
54	1372	65.50	1663.7	---	---	---	---	7.00	177.8	0.688	17.5	63.00	1600.2	10.938	277.8	39.375	1000.1	8.938	227.0	6.500	165.1	0.394	10.0
60	1524	71.50	1816.1	---	---	---	---	7.00	177.8	0.688	17.5	69.00	1752.6	10.938	277.8	45.375	1152.5	8.938	227.0	6.500	165.1	0.394	10.0

Ø 4" (Ø101.6 mm)											
BW	L	MODEL	E	F	H ₂	Weight					
[in]	[mm]		[in]	[mm]	[in]	[mm]	[lb]	[kg]			
18	457	C4-20TUI-18	9.83	249.7	19.76	502.0	8.01	203.4			
20	508	C4-20TUI-20	9.83	249.7	21.89	556.0	8.01	203.4			
24	610	C4-20TUI-24	9.83	249.7	25.87	657.0	8.01	203.4			
30	762	C4-20TUI-30	9.95	252.8	32.13	816.0	8.13	206.6			
36	914	C4-20TUI-36	9.95	252.8	38.11	968.1	8.13	206.6			
42	1067	C4-20TUI-42	10.33	262.4	44.13	1121.0	8.51	216.1			
48	1219	C4-20TUI-48	10.33	262.4	50.12	1273.0	8.51	216.1			
54	1372	C4-20TUI-54	11.54	293.1	56.78	1442.2	8.51	216.1			
60	1524	C4-20TUI-60	11.54	293.1	62.76	1594.2	8.51	216.1			
18	457	C4-35TUI-18	11.03	280.2	18.40	467.3	8.01	203.4			
20	508	C4-35TUI-20	11.03	280.2	20.52	521.3	8.01	203.4			
24	610	C4-35TUI-24	11.03	280.2	24.50	622.3	8.01	203.4			
30	762	C4-35TUI-30	11.16	283.4	30.76	781.3	8.13	206.6			
36	914	C4-35TUI-36	11.16	283.4	36.74	933.3	8.13	206.6			
42	1067	C4-35TUI-42	11.53	292.9	42.77	1086.3	8.51	216.1			
48	1219	C4-35TUI-48	11.53	292.9	48.75	1238.3	8.51	216.1			
54	1372	C4-35TUI-54	13.56	344.5	54.56	1385.8	8.51	216.1			
60	1524	C4-35TUI-60	13.56	344.5	60.54	1537.8	8.51	216.1			
18	457	C4-45TUI-18	11.80	299.8	17.55	445.7	8.01	203.4			
20	508	C4-45TUI-20	11.80	299.8	19.68	499.7	8.01	203.4			
24	610	C4-45TUI-24	11.80	299.8	23.65	600.7	8.01	203.4			
30	762	C4-45TUI-30	11.93	303.0	29.91	759.7	8.13	206.6			
36	914	C4-45TUI-36	11.93	303.0	35.90	911.7	8.13	206.6			
42	1067	C4-45TUI-42	12.30	312.5	41.92	1064.7	8.51	216.1			
48	1219	C4-45TUI-48	12.30	312.5	47.90	1216.7	8.51	216.1			
54	1372	C4-45TUI-54	14.81	376.1	52.92	1344.2	8.51	216.1			
60	1524	C4-45TUI-60	14.81	376.1	58.90	1496.2	8.51	216.1			

Ø 5" (Ø127.0 mm)											
BW	L	MODEL	E	F	H ₂	Weight					
[in]	[mm]		[in]	[mm]	[in]	[mm]	[lb]	[kg]			
18	457	C5-20TUI-18	10.29	261.4	19.43	493.5	8.50	215.9			
20	508	C5-20TUI-20	10.29	261.4	21.55	547.5	8.50	215.9			
24	610	C5-20TUI-24	10.29	261.4	25.53	648.5	8.50	215.9			
30	762	C5-20TUI-30	10.42	264.6	31.79	807.5	8.63	219.1			
36	914	C5-20TUI-36	10.42	264.6	37.77	959.5	8.63	219.1			
42	1067	C5-20TUI-42	10.79	274.1	43.80	1112.5	9.00	228.6			
48	1219	C5-20TUI-48	10.79	274.1	49.78	1264.5	9.00	228.6			
54	1372	C5-20TUI-54	12.00	304.9	56.44	1433.6	9.00	228.6			
60	1524	C5-20TUI-60	12.00	304.9	62.43	1585.6	9.00	228.6			
18	457	C5-35TUI-18	11.44	290.5	17.83	453.0	8.50	215.9			
20	508	C5-35TUI-20	11.44	290.5	19.96	507.0	8.50	215.9			
24	610	C5-35TUI-24	11.44	290.5	23.94	608.0	8.50	215.9			
30	762	C5-35TUI-30	11.56	293.6	30.20	767.0	8.63	219.1			
36	914	C5-35TUI-36	11.56	293.6	36.18	919.0	8.63	219.1			
42	1067	C5-35TUI-42	11.94	303.2	42.20	1072.0	9.00	228.6			
48	1219	C5-35TUI-48	11.94	303.2	48.19	1224.0	9.00	228.6			
54	1372	C5-35TUI-54	13.96	354.7	53.99	1371.5	9.00	228.6			
60	1524	C5-35TUI-60	13.96	354.7	59.98	1523.5	9.00	228.6			
18	457	C5-45TUI-18	12.15	308.7	16.85	428.1	8.50	215.9			
20	508	C5-45TUI-20	12.15	308.7	18.98	482.1	8.50	215.9			
24	610	C5-45TUI-24	12.15	308.7	22.96	583.1	8.50	215.9			
30	762	C5-45TUI-30	12.28	311.9	29.22	742.1	8.63	219.1			
36	914	C5-45TUI-36	12.28	311.9	35.20	894.1	8.63	219.1			
42	1067	C5-45TUI-42	12.65	321.4	41.22	1047.1	9.00	228.6			
48	1219	C5-45TUI-48	12.65	321.4	47.21	1199.1	9.00	228.6			
54	1372	C5-45TUI-54	15.16	385.0	52.22	1326.5	9.00	228.6			
60	1524	C5-45TUI-60	15.16	385.0	58.21	1478.5	9.00	228.6			

Ø 6" (Ø152.4 mm)										ALL	
BW	L	MODEL	E		F		H ₂	Weight		W	
[in]	[mm]		[in]	[mm]	[in]	[mm]	[in]	[mm]	[lb]	[kg]	[in]
18	457	20	C6-20TUI-18	10.75	273.2	19.09	484.9	9.00	228.6	---	---
20	508		C6-20TUI-20	10.75	273.2	21.22	538.9	9.00	228.6	---	---
24	610		C6-20TUI-24	10.75	273.2	25.19	639.9	9.00	228.6	---	---
30	762		C6-20TUI-30	10.88	276.3	31.45	798.9	9.13	231.8	---	---
36	914		C6-20TUI-36	10.88	276.3	37.44	950.9	9.13	231.8	---	---
42	1067		C6-20TUI-42	11.25	285.9	43.46	1103.9	9.50	241.3	---	---
48	1219		C6-20TUI-48	11.25	285.9	49.45	1255.9	9.50	241.3	---	---
54	1372		C6-20TUI-54	12.47	316.6	56.10	1425.1	9.50	241.3	---	---
60	1524		C6-20TUI-60	12.47	316.6	62.09	1577.1	9.50	241.3	---	---
18	457	35	C6-35TUI-18	11.84	300.7	17.27	438.6	9.00	228.6	29.10	739.0
20	508		C6-35TUI-20	11.84	300.7	19.39	492.6	9.00	228.6	31.22	793.0
24	610		C6-35TUI-24	11.84	300.7	23.37	593.6	9.00	228.6	35.20	894.0
30	762		C6-35TUI-30	11.96	303.9	29.63	752.6	9.13	231.8	41.46	1053.0
36	914		C6-35TUI-36	11.96	303.9	35.62	904.6	9.13	231.8	47.44	1205.0
42	1067		C6-35TUI-42	12.34	313.4	41.64	1057.6	9.50	241.3	53.47	1358.0
48	1219		C6-35TUI-48	12.34	313.4	47.62	1209.6	9.50	241.3	59.45	1510.0
54	1372		C6-35TUI-54	14.37	364.9	53.43	1357.1	9.50	241.3	65.26	1657.6
60	1524		C6-35TUI-60	14.37	364.9	59.41	1509.1	9.50	241.3	71.24	1809.0
18	457	45	C6-45TUI-18	12.50	317.5	16.16	410.4	9.00	228.6	30.33	770.3
20	508		C6-45TUI-20	12.50	317.5	18.28	464.4	9.00	228.6	32.45	824.3
24	610		C6-45TUI-24	12.50	317.5	22.26	565.4	9.00	228.6	36.43	925.3
30	762		C6-45TUI-30	12.63	320.7	28.52	724.4	9.13	231.8	42.69	1084.0
36	914		C6-45TUI-36	12.63	320.7	34.50	876.4	9.13	231.8	48.67	1236.3
42	1067		C6-45TUI-42	13.00	330.2	40.53	1029.4	9.50	241.3	54.70	1389.0
48	1219		C6-45TUI-48	13.00	330.2	46.51	1181.4	9.50	241.3	60.68	1541.1
54	1372		C6-45TUI-54	15.50	393.8	51.53	1308.8	9.50	241.3	67.70	1668.0
60	1524		C6-45TUI-60	15.50	393.8	57.51	1460.8	9.50	241.3	71.71	1821.0

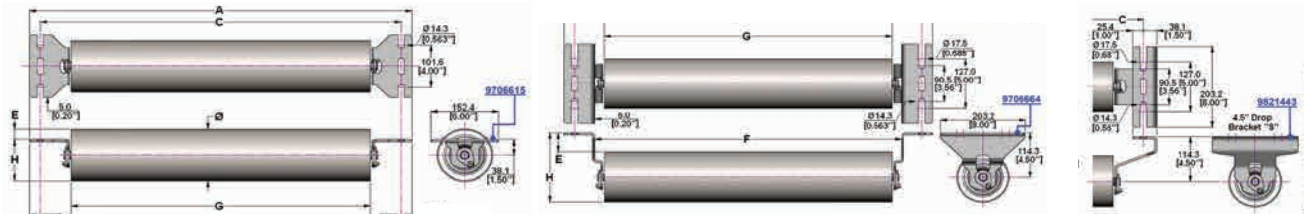
CEMA C - CITI (CHANNEL INSET TROUGHER IMPACT)



BW		A		B		C		D		G		G _w	
[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]
18	457	23.625	600.1	6.500	165.1	3.000	76.2	2.500	63.5	6.750	171.5	6.063	154.0
20	508	25.625	650.9	6.500	165.1	3.000	76.2	2.500	63.5	7.625	193.7	6.750	171.5
24	610	29.625	752.5	6.500	165.1	3.000	76.2	2.500	63.5	11.063	281.0	6.750	171.5
30	762	35.625	904.9	6.500	165.1	3.000	76.2	2.500	63.5	13.063	331.8	8.938	227.0
36	914	41.625	1057.3	6.500	165.1	3.000	76.2	2.500	63.5	15.063	382.6	11.063	281.0
42	1067	47.625	1209.7	6.500	165.1	3.000	76.2	2.500	63.5	17.063	433.4	13.063	331.8
48	1219	53.625	1362.1	6.500	165.1	3.000	76.2	2.500	63.5	19.063	484.2	15.063	382.6
54	1372	59.625	1514.5	6.500	165.1	3.000	76.2	2.500	63.5	21.063	535.0	17.063	433.4
60	1524	65.625	1666.9	6.500	165.1	3.000	76.2	2.500	63.5	23.375	593.7	19.063	484.2

			Ø 4" (Ø101.6 mm)														
BW		L	MODEL	E		F		H		H ₁		H ₂		H ₃		Weight	
[in]	[mm]	[']		[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[Lb]	[kg]
18	457	20	C4-20CITI-18	6.94	176.2	18.15	461.1	5.000	127.0	4.188	106.4	3.375	85.7			35.9	16.28
20	508		C4-20CITI-20	7.26	184.4	20.79	528.2	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	38.6	17.52
24	610		C4-20CITI-24	7.26	184.4	24.26	616.2	5.000	127.0	4.188	106.4	3.375	85.7			43.1	19.57
30	762		C4-20CITI-30	8.04	204.2	30.56	776.2	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	50.0	22.68
36	914		C4-20CITI-36	8.81	223.7	36.74	933.3	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	57.6	26.14
42	1067		C4-20CITI-42	9.35	237.6	41.75	1060.4	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	64.1	29.10
48	1219		C4-20CITI-48	10.10	256.4	47.83	1214.8	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	71.3	32.37
54	1372		C4-20CITI-54	10.84	275.4	53.94	1370.1	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	90.7	41.16
60	1524		C4-20CITI-60	11.39	289.3	59.16	1502.7	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	99.5	45.17
18	457	35	C4-35CITI-18	8.21	208.6	16.71	424.4	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	37.5	17.02
20	508		C4-35CITI-20	8.76	222.4	19.12	485.7	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	40.6	18.41
24	610		C4-35CITI-24	8.76	222.4	22.59	573.7	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	45.3	20.56
30	762		C4-35CITI-30	10.07	255.7	28.34	719.7	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	52.8	23.97
36	914		C4-35CITI-36	11.35	288.3	33.98	863.1	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	60.9	27.67
42	1067		C4-35CITI-42	12.27	311.6	38.60	980.5	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	68.0	30.87
48	1219		C4-35CITI-48	13.51	343.1	44.16	1121.6	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	75.7	34.37
54	1372		C4-35CITI-54	14.76	375.0	49.74	1263.5	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	95.6	43.38
60	1524		C4-35CITI-60	15.68	398.2	54.58	1386.4	5.000	127.0	4.188	106.4	3.375	85.7	2.500	63.5	104.9	47.62

			Ø 5" (Ø127.0 mm)														
BW	L		MODEL	E		F		H		H ₁		H ₂		H ₃		Weight	
[in]	[mm]	["]		[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[Lb]	[kg]
18	457	20	C5-20CITI-18	7.40	187.9	17.82	452.5	5.500	139.7	4.688	119.1	3.875	98.4			39.1	17.77
20	508		C5-20CITI-20	7.72	196.2	20.46	519.6	5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2	42.8	19.44
24	610		C5-20CITI-24	7.72	196.2	23.92	607.6	5.500	139.7	4.688	119.1	3.875	98.4			47.9	21.73
30	762		C5-20CITI-30	8.50	216.0	30.22	767.6	5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2	55.7	25.28
36	914		C5-20CITI-36	9.22	234.1	36.41	924.7	5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2	64.3	29.21
42	1067		C5-20CITI-42	9.82	249.4	41.41	1051.9	5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2	71.7	32.55
48	1219		C5-20CITI-48	10.56	268.1	47.49	1206.2	5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2	79.8	36.25
54	1372		C5-20CITI-54	11.30	287.1	53.60	1361.5	5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2	100.2	45.49
60	1524		C5-20CITI-60	11.85	301.0	58.82	1494.1	5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2	109.7	49.79
18	457	35	C5-35CITI-18	8.62	218.8	16.14	410.1	5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2	40.8	18.52
20	508		C5-35CITI-20	9.16	232.6	18.56	471.4	5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2	44.8	20.33
24	610		C5-35CITI-24	9.16	232.6	22.02	559.4	5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2	50.0	22.72
30	762		C5-35CITI-30	10.47	265.9	27.77	705.4	5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2	58.5	26.58
36	914		C5-35CITI-36	11.76	298.6	33.42	848.8	5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2	67.7	30.74
42	1067		C5-35CITI-42	12.67	321.8	38.04	966.1	5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2	75.6	34.32
48	1219		C5-35CITI-48	13.91	353.4	43.59	1107.3	5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2	84.2	38.24
54	1372		C5-35CITI-54	15.17	385.2	49.18	1249.2	5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2	105.1	47.71
60	1524		C5-35CITI-60	16.08	408.4			5.500	139.7	4.688	119.1	3.875	98.4	3.000	76.2		

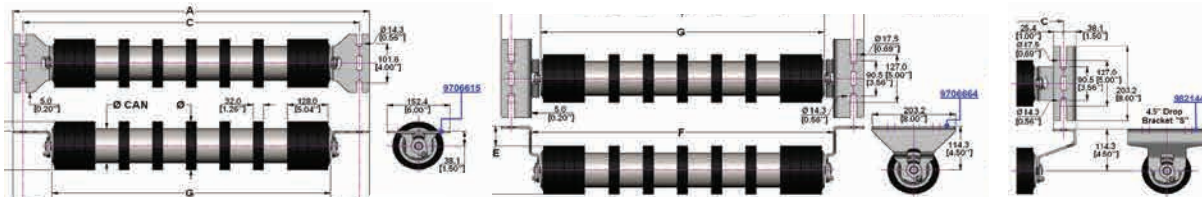


BW		A		C		F		G	
[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]
18	457	29.00	736.6	27.00	685.8	23.125	587.4	21.375	542.9
20	508	31.00	787.4	29.00	736.6	25.125	638.2	23.375	593.7
24	610	35.00	889.0	33.00	838.2	29.125	739.8	27.375	695.3
30	762	41.00	1041.4	39.00	990.6	35.125	892.2	33.375	847.7
36	914	47.00	1193.8	45.00	1143.0	41.125	1044.6	39.375	1000.1
42	1067	53.00	1346.2	51.00	1295.4	47.125	1197.0	45.375	1152.5
48	1219	59.00	1498.6	57.00	1447.8	53.125	1349.4	51.375	1304.9
54	1372	65.00	1651.0	63.00	1600.2	59.125	1501.8	57.375	1457.3
60	1524	71.00	1803.4	69.00	1752.6	65.125	1654.2	63.375	1609.7

Ø 4" (Ø101.6 mm)										Ø 5" (Ø127.0 mm)									
BW		Drop	MODEL	E (±)		H		Weight		BW		Drop	MODEL	E (±)		H		Weight	
[in]	[mm]			[in]	[mm]	[in]	[mm]	[Lb]	[kg]	[in]	[mm]			[in]	[mm]	[in]	[mm]	[Lb]	[kg]
18	457	1-1/2"	C4-1R-18	0.50	12.7	3.50	88.9	17.9	8.14	18	457	1-1/2"	C5-1R-18	1.00	25.4	4.00	101.6	20.9	9.49
20	508		C4-1R-20	0.50	12.7	3.50	88.9	19.2	8.70	20	508		C5-1R-20	1.00	25.4	4.00	101.6	22.4	10.15
24	610		C4-1R-24	0.50	12.7	3.50	88.9	21.6	9.81	24	610		C5-1R-24	1.00	25.4	4.00	101.6	25.3	11.49
30	762		C4-1R-30	0.50	12.7	3.50	88.9	25.3	11.48	30	762		C5-1R-30	1.00	25.4	4.00	101.6	29.7	13.49
36	914		C4-1R-36	0.50	12.7	3.50	88.9	29.0	13.15	36	914		C5-1R-36	1.00	25.4	4.00	101.6	34.1	15.49
42	1067		C4-1R-42	0.50	12.7	3.50	88.9	32.6	14.82	42	1067		C5-1R-42	1.00	25.4	4.00	101.6	38.5	17.49
48	1219		C4-1R-48	0.50	12.7	3.50	88.9	36.3	16.50	48	1219		C5-1R-48	1.00	25.4	4.00	101.6	42.9	19.49
54	1372	4-1/2"	C4-1R-54	0.50	12.7	3.50	88.9	40.0	18.17	54	1372	4-1/2"	C5-1R-54	1.00	25.4	4.00	101.6	47.3	21.49
60	1524		C4-1R-60	0.50	12.7	3.50	88.9	43.7	19.84	60	1524		C5-1R-60	1.00	25.4	4.00	101.6	51.7	23.49
18	457		C4-4R-18	2.50	63.5	6.50	165.1	20.2	9.15	18	457		C5-4R-18	2.00	50.8	7.00	177.8	23.1	10.50
20	508		C4-4R-20	2.50	63.5	6.50	165.1	21.4	9.71	20	508		C5-4R-20	2.00	50.8	7.00	177.8	24.6	11.17
24	610		C4-4R-24	2.50	63.5	6.50	165.1	23.8	10.82	24	610		C5-4R-24	2.00	50.8	7.00	177.8	27.5	12.50
30	762		C4-4R-30	2.50	63.5	6.50	165.1	27.5	12.49	30	762		C5-4R-30	2.00	50.8	7.00	177.8	31.9	14.50
36	914		C4-4R-36	2.50	63.5	6.50	165.1	31.2	14.16	36	914		C5-4R-36	2.00	50.8	7.00	177.8	36.3	16.50
42	1067	4-1/2"	C4-4R-42	2.50	63.5	6.50	165.1	34.9	15.84	42	1067		C5-4R-42	2.00	50.8	7.00	177.8	40.7	18.50
48	1219		C4-4R-48	2.50	63.5	6.50	165.1	38.6	17.51	48	1219		C5-4R-48	2.00	50.8	7.00	177.8	45.2	20.50
54	1372		C4-4R-54	2.50	63.5	6.50	165.1	42.2	19.18	54	1372		C5-4R-54	2.00	50.8	7.00	177.8	49.6	22.50
60	1524		C4-4R-60	2.50	63.5	6.50	165.1	45.9	20.85	60	1524		C5-4R-60	2.00	50.8	7.00	177.8	54.0	24.50

Ø 6" (Ø152.4 mm)									
BW		Drop	MODEL	E (±)		H		Weight	
[in]	[mm]			[in]	[mm]	[in]	[mm]	[Lb]	[kg]
18	457	1-1/2"	C6-1R-18	1.50	38.1	4.50	114.3	26.2	11.91
20	508		C6-1R-20	1.50	38.1	4.50	114.3	28.1	12.77
24	610		C6-1R-24	1.50	38.1	4.50	114.3	32.0	14.51
30	762		C6-1R-30	1.50	38.1	4.50	114.3	37.7	17.12
36	914		C6-1R-36	1.50	38.1	4.50	114.3	43.5	19.73
42	1067		C6-1R-42	1.50	38.1	4.50	114.3	49.2	22.33
48	1219		C6-1R-48	1.50	38.1	4.50	114.3	54.9	24.94
54	1372	4-1/2"	C6-1R-54	1.50	38.1	4.50	114.3	60.7	27.55
60	1524		C6-1R-60	1.50	38.1	4.50	114.3	66.4	30.15
18	457		C6-4R-18	1.50	38.1	7.50	190.5	28.5	12.92
20	508		C6-4R-20	1.50	38.1	7.50	190.5	30.4	13.79
24	610		C6-4R-24	1.50	38.1	7.50	190.5	34.2	15.52
30	762		C6-4R-30	1.50	38.1	7.50	190.5	39.9	18.13
36	914		C6-4R-36	1.50	38.1	7.50	190.5	45.7	20.74
42	1067		C6-4R-42	1.50	38.1	7.50	190.5	51.4	23.34
48	1219		C6-4R-48	1.50	38.1	7.50	190.5	57.2	25.95
54	1372		C6-4R-54	1.50	38.1	7.50	190.5	62.9	28.56
60	1524		C6-4R-60	1.50	38.1	7.50	190.5	68.6	31.16

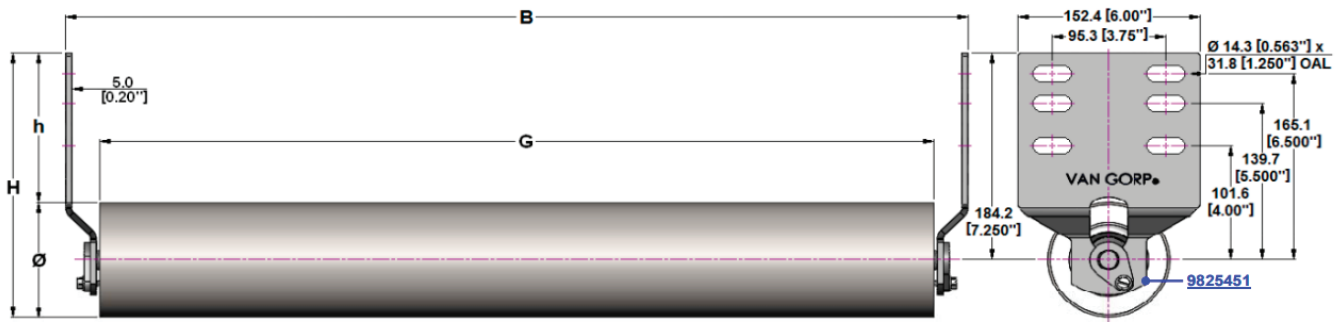
CEMA C - RRD (RETURN RUBBER DISC)



BW		A		C		F		G	
[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]
18	457	29.00	736.6	27.00	685.8	23.125	587.4	21.375	542.9
20	508	31.00	787.4	29.00	736.6	25.125	638.2	23.375	593.7
24	610	35.00	889.0	33.00	838.2	29.125	739.8	27.375	695.3
30	762	41.00	1041.4	39.00	990.6	35.125	892.2	33.375	847.7
36	914	47.00	1193.8	45.00	1143.0	41.125	1044.6	39.375	1000.1
42	1067	53.00	1346.2	51.00	1295.4	47.125	1197.0	45.375	1152.5
48	1219	59.00	1498.6	57.00	1447.8	53.125	1349.4	51.375	1304.9
54	1372	65.00	1651.0	63.00	1600.2	59.125	1501.8	57.375	1457.3
60	1524	71.00	1803.4	69.00	1752.6	65.125	1654.2	63.375	1609.7

Ø 4" (Ø101.6 mm) [CAN Ø 2.5" (Ø63 mm)]										Ø 5" (Ø127.0 mm) [CAN Ø 3.5" (Ø89 mm)]									
BW		Drop	MODEL	E (±)		H		Weight		BW		Drop	MODEL	E (±)		H		Weight	
[in]	[mm]			[in]	[mm]	[in]	[mm]	[Lb]	[kg]	[in]	[mm]			[in]	[mm]	[in]	[mm]	[Lb]	[kg]
18	457	1-1/2"	C4-1RRD-18	0.50	12.7	3.50	88.9	17.7	8.03	18	457	1-1/2"	C5-1RRD-18	1.00	25.4	4.00	101.6	20.9	9.49
20	508		C4-1RRD-20	0.50	12.7	3.50	88.9	18.9	8.60	20	508		C5-1RRD-20	1.00	25.4	4.00	101.6	22.4	10.19
24	610		C4-1RRD-24	0.50	12.7	3.50	88.9	21.1	9.60	24	610		C5-1RRD-24	1.00	25.4	4.00	101.6	25.1	11.39
30	762		C4-1RRD-30	0.50	12.7	3.50	88.9	24.3	11.01	30	762		C5-1RRD-30	1.00	25.4	4.00	101.6	28.8	13.09
36	914		C4-1RRD-36	0.50	12.7	3.50	88.9	27.4	12.43	36	914		C5-1RRD-36	1.00	25.4	4.00	101.6	32.6	14.78
42	1067		C4-1RRD-42	0.50	12.7	3.50	88.9	30.5	13.85	42	1067		C5-1RRD-42	1.00	25.4	4.00	101.6	36.3	16.48
48	1219	4-1/2"	C4-1RRD-48	0.50	12.7	3.50	88.9	33.6	15.26	48	1219	4-1/2"	C5-1RRD-48	1.00	25.4	4.00	101.6	40.0	18.18
54	1372		C4-1RRD-54	0.50	12.7	3.50	88.9	36.7	16.68	54	1372		C5-1RRD-54	1.00	25.4	4.00	101.6	43.8	19.88
60	1524		C4-1RRD-60	0.50	12.7	3.50	88.9	39.9	18.10	60	1524		C5-1RRD-60	1.00	25.4	4.00	101.6	47.5	21.58
18	457		C4-4RRD-18	2.50	63.5	6.50	165.1	19.9	9.04	18	457		C5-4RRD-18	2.00	50.8	7.00	177.8	23.1	10.50
20	508		C4-4RRD-20	2.50	63.5	6.50	165.1	21.2	9.61	20	508		C5-4RRD-20	2.00	50.8	7.00	177.8	24.7	11.20
24	610		C4-4RRD-24	2.50	63.5	6.50	165.1	23.4	10.61	24	610		C5-4RRD-24	2.00	50.8	7.00	177.8	27.3	12.40
30	762	4-1/2"	C4-4RRD-30	2.50	63.5	6.50	165.1	26.5	12.03	30	762	4-1/2"	C5-4RRD-30	2.00	50.8	7.00	177.8	31.1	14.10
36	914		C4-4RRD-36	2.50	63.5	6.50	165.1	29.6	13.44	36	914		C5-4RRD-36	2.00	50.8	7.00	177.8	34.8	15.80
42	1067		C4-4RRD-42	2.50	63.5	6.50	165.1	32.7	14.86	42	1067		C5-4RRD-42	2.00	50.8	7.00	177.8	38.5	17.49
48	1219		C4-4RRD-48	2.50	63.5	6.50	165.1	35.8	16.27	48	1219		C5-4RRD-48	2.00	50.8	7.00	177.8	42.3	19.19
54	1372		C4-4RRD-54	2.50	63.5	6.50	165.1	39.0	17.69	54	1372		C5-4RRD-54	2.00	50.8	7.00	177.8	46.0	20.89
60	1524		C4-4RRD-60	2.50	63.5	6.50	165.1	42.1	19.11	60	1524		C5-4RRD-60	2.00	50.8	7.00	177.8	49.8	22.59

Ø 6" (Ø152.4 mm) [CAN Ø 4.5" (Ø114 mm)]									
BW		Drop	MODEL	E (±)		H		Weight	
[in]	[mm]			[in]	[mm]	[in]	[mm]	[Lb]	[kg]
18	457	1-1/2"	C6-1RRD-18	1.50	38.1	4.50	114.3		
20	508		C6-1RRD-20	1.50	38.1	4.50	114.3		
24	610		C6-1RRD-24	1.50	38.1	4.50	114.3		
30	762		C6-1RRD-30	1.50	38.1	4.50	114.3		
36	914		C6-1RRD-36	1.50	38.1	4.50	114.3		
42	1067		C6-1RRD-42	1.50	38.1	4.50	114.3		
48	1219	4-1/2"	C6-1RRD-48	1.50	38.1	4.50	114.3		
54	1372		C6-1RRD-54	1.50	38.1	4.50	114.3		
60	1524		C6-1RRD-60	1.50	38.1	4.50	114.3		
18	457		C6-4RRD-18	1.50	38.1	7.50	190.5		
20	508		C6-4RRD-20	1.50	38.1	7.50	190.5		
24	610		C6-4RRD-24	1.50	38.1	7.50	190.5		
30	762		C6-4RRD-30	1.50	38.1	7.50	190.5	44.5	20.20
36	914		C6-4RRD-36	1.50	38.1	7.50	190.5	49.6	22.50
42	1067		C6-4RRD-42	1.50	38.1	7.50	190.5	54.6	24.80
48	1219		C6-4RRD-48	1.50	38.1	7.50	190.5	59.9	27.20
54	1372		C6-4RRD-54	1.50	38.1	7.50	190.5		
60	1524		C6-4RRD-60	1.50	38.1	7.50	190.5		



Ø 4" (Ø101.6 mm)

BW	MODEL	h		H		Weight	
		[in]	[mm]	[in]	[mm]	[Lb]	[kg]
18	C4-CIR-18	5.25	133.4	9.25	235.0	19.6	8.91
20	C4-CIR-20	5.25	133.4	9.25	235.0	20.9	9.47
24	C4-CIR-24	5.25	133.4	9.25	235.0	23.3	10.58
30	C4-CIR-30	5.25	133.4	9.25	235.0	27.0	12.26
36	C4-CIR-36	5.25	133.4	9.25	235.0	30.7	13.93
42	C4-CIR-42	5.25	133.4	9.25	235.0	34.4	15.60
48	C4-CIR-48	5.25	133.4	9.25	235.0	38.0	17.27
54	C4-CIR-54	5.25	133.4	9.25	235.0	41.7	18.94
60	C4-CIR-60	5.25	133.4	9.25	235.0	45.4	20.61

Ø 5" (Ø127.0 mm)

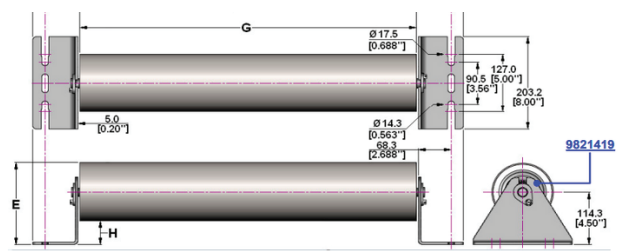
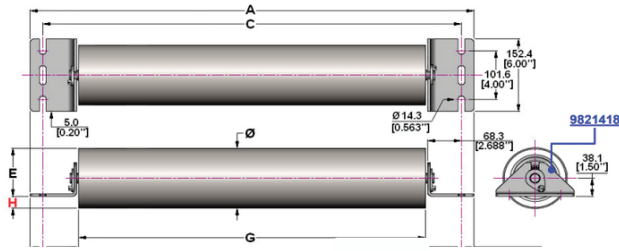
BW	MODEL	h		H		Weight	
		[in]	[mm]	[in]	[mm]	[Lb]	[kg]
18	C5-CIR-18	4.75	120.7	9.75	247.7	22.6	10.26
20	C5-CIR-20	4.75	120.7	9.75	247.7	24.1	10.93
24	C5-CIR-24	4.75	120.7	9.75	247.7	27.0	12.26
30	C5-CIR-30	4.75	120.7	9.75	247.7	31.4	14.26
36	C5-CIR-36	4.75	120.7	9.75	247.7	35.8	16.26
42	C5-CIR-42	4.75	120.7	9.75	247.7	40.2	18.26
48	C5-CIR-48	4.75	120.7	9.75	247.7	44.6	20.26
54	C5-CIR-54	4.75	120.7	9.75	247.7	49.0	22.26
60	C5-CIR-60	4.75	120.7	9.75	247.7	53.4	24.26

Ø 6" (Ø152.4 mm)

BW	MODEL	h		H		Weight	
		[in]	[mm]	[in]	[mm]	[Lb]	[kg]
18	C6-CIR-18	4.25	108.0	10.25	260.4		
20	C6-CIR-20	4.25	108.0	10.25	260.4		
24	C6-CIR-24	4.25	108.0	10.25	260.4		
30	C6-CIR-30	4.25	108.0	10.25	260.4		
36	C6-CIR-36	4.25	108.0	10.25	260.4		
42	C6-CIR-42	4.25	108.0	10.25	260.4		
48	C6-CIR-48	4.25	108.0	10.25	260.4		
54	C6-CIR-54	4.25	108.0	10.25	260.4		
60	C6-CIR-60	4.25	108.0	10.25	260.4		

BW		B		G	
[in]	[mm]	[in]	[mm]	[in]	[mm]
18	457	23.625	600.1	21.375	542.9
20	508	25.625	650.9	23.375	593.7
24	610	29.625	752.5	27.375	695.3
30	762	35.625	904.9	33.375	847.7
36	914	41.625	1057.3	39.375	1000.1
42	1067	47.625	1209.7	45.375	1152.5
48	1219	53.625	1362.1	51.375	1304.9
54	1372	59.625	1514.5	57.375	1457.3
60	1524	65.625	1666.9	63.375	1609.7

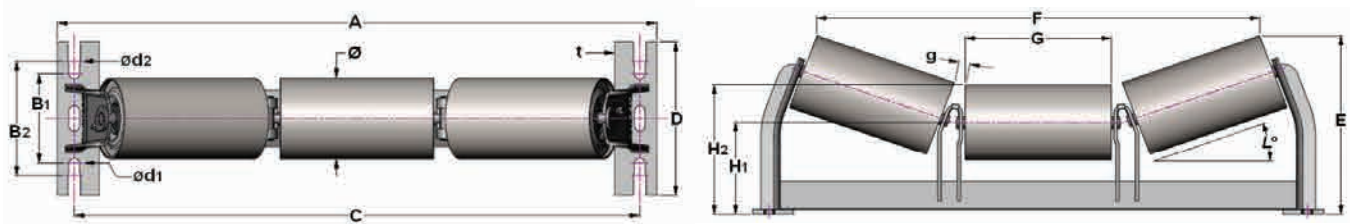
CEMA C - F (FLAT CARRIER)



BW		A		C		G	
(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)
18	457	29.00	736.6	27.00	685.8	21.375	542.9
20	508	31.00	787.4	29.00	736.6	23.375	593.7
24	610	35.00	889.0	33.00	838.2	27.375	695.3
30	762	41.00	1041.4	39.00	990.6	33.375	847.7
36	914	47.00	1193.8	45.00	1143.0	39.375	1000.1
42	1067	53.00	1346.2	51.00	1295.4	45.375	1152.5
48	1219	59.00	1498.6	57.00	1447.8	51.375	1304.9
54	1372	65.00	1651.0	63.00	1600.2	57.375	1457.3
60	1524	71.00	1803.4	69.00	1752.6	63.375	1609.7

Ø 4" (Ø101.6 mm)										Ø 5" (Ø127.0 mm)									
BW		Drop	MODEL	H (±)		E		Weight		BW		Drop	MODEL	H (±)		E		Weight	
(in)	(mm)			(in)	(mm)	(in)	(mm)	(Lb)	(kg)	(in)	(mm)			(in)	(mm)	(in)	(mm)	(Lb)	(kg)
18	457	1-1/2"	C4-1F-18	0.50	12.7	3.50	88.9	18.6	8.43	18	457	1-1/2"	C5-1F-18	1.00	25.4	4.00	101.6	21.5	9.78
20	508		C4-1F-20	0.50	12.7	3.50	88.9	19.8	8.99	20	508		C5-1F-20	1.00	25.4	4.00	101.6	23.0	10.45
24	610		C4-1F-24	0.50	12.7	3.50	88.9	22.2	10.10	24	610		C5-1F-24	1.00	25.4	4.00	101.6	25.9	11.78
30	762		C4-1F-30	0.50	12.7	3.50	88.9	25.9	11.78	30	762		C5-1F-30	1.00	25.4	4.00	101.6	30.4	13.78
36	914		C4-1F-36	0.50	12.7	3.50	88.9	29.6	13.45	36	914		C5-1F-36	1.00	25.4	4.00	101.6	34.8	15.78
42	1067		C4-1F-42	0.50	12.7	3.50	88.9	33.3	15.12	42	1067		C5-1F-42	1.00	25.4	4.00	101.6	39.2	17.78
48	1219	4-1/2"	C4-1F-48	0.50	12.7	3.50	88.9	37.0	16.79	48	1219	4-1/2"	C5-1F-48	1.00	25.4	4.00	101.6	43.6	19.78
54	1372		C4-1F-54	0.50	12.7	3.50	88.9	40.7	18.46	54	1372		C5-1F-54	1.00	25.4	4.00	101.6	48.0	21.79
60	1524		C4-1F-60	0.50	12.7	3.50	88.9	44.3	20.13	60	1524		C5-1F-60	1.00	25.4	4.00	101.6	52.4	23.79
18	457		C4-4F-18	2.50	63.5	6.50	165.1	21.1	9.57	18	457		C5-4F-18	2.00	50.8	7.00	177.8	24.1	10.92
20	508		C4-4F-20	2.50	63.5	6.50	165.1	22.3	10.13	20	508		C5-4F-20	2.00	50.8	7.00	177.8	25.5	11.58
24	610		C4-4F-24	2.50	63.5	6.50	165.1	24.8	11.24	24	610		C5-4F-24	2.00	50.8	7.00	177.8	28.5	12.92
30	762	4-1/2"	C4-4F-30	2.50	63.5	6.50	165.1	28.4	12.91	30	762	4-1/2"	C5-4F-30	2.00	50.8	7.00	177.8	32.9	14.92
36	914		C4-4F-36	2.50	63.5	6.50	165.1	32.1	14.58	36	914		C5-4F-36	2.00	50.8	7.00	177.8	37.3	16.92
42	1067		C4-4F-42	2.50	63.5	6.50	165.1	35.8	16.25	42	1067		C5-4F-42	2.00	50.8	7.00	177.8	41.7	18.92
48	1219		C4-4F-48	2.50	63.5	6.50	165.1	39.5	17.93	48	1219		C5-4F-48	2.00	50.8	7.00	177.8	46.1	20.92
54	1372		C4-4F-54	2.50	63.5	6.50	165.1	43.2	19.60	54	1372		C5-4F-54	2.00	50.8	7.00	177.8	50.5	22.92
60	1524		C4-4F-60	2.50	63.5	6.50	165.1	46.9	21.27	60	1524		C5-4F-60	2.00	50.8	7.00	177.8	54.9	24.92

Ø 6" (Ø152.4 mm)									
BW		Drop	MODEL	H (±)		E		Weight	
(in)	(mm)			(in)	(mm)	(in)	(mm)	(Lb)	(kg)
18	457	1-1/2"	C6-1F-18	1.50	38.1	4.50	114.3	26.9	12.20
20	508		C6-1F-20	1.50	38.1	4.50	114.3	28.8	13.07
24	610		C6-1F-24	1.50	38.1	4.50	114.3	32.6	14.81
30	762		C6-1F-30	1.50	38.1	4.50	114.3	38.3	17.41
36	914		C6-1F-36	1.50	38.1	4.50	114.3	44.1	20.02
42	1067		C6-1F-42	1.50	38.1	4.50	114.3	49.8	22.63
48	1219	4-1/2"	C6-1F-48	1.50	38.1	4.50	114.3	55.6	25.23
54	1372		C6-1F-54	1.50	38.1	4.50	114.3	61.3	27.84
60	1524		C6-1F-60	1.50	38.1	4.50	114.3	67.1	30.45
18	457		C6-4F-18	1.50	38.1	7.50	190.5	29.4	13.34
20	508		C6-4F-20	1.50	38.1	7.50	190.5	31.3	14.20
24	610		C6-4F-24	1.50	38.1	7.50	190.5	35.1	15.94
30	762	4-1/2"	C6-4F-30	1.50	38.1	7.50	190.5	40.9	18.55
36	914		C6-4F-36	1.50	38.1	7.50	190.5	46.6	21.16
42	1067		C6-4F-42	1.50	38.1	7.50	190.5	52.3	23.76
48	1219		C6-4F-48	1.50	38.1	7.50	190.5	58.1	26.37
54	1372		C6-4F-54	1.50	38.1	7.50	190.5	63.8	28.98
60	1524		C6-4F-60	1.50	38.1	7.50	190.5	69.6	31.58

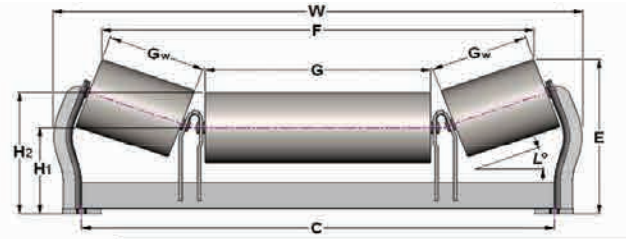
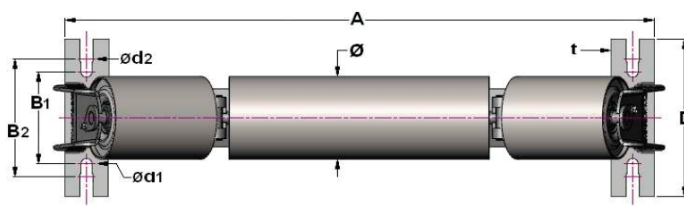


BW		A		B ₁		ø d ₁		B ₂		ø d ₂		C		D		G		H ₁		t	
[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]
24	610	35.00	889.0	5.50	139.7	0.563	14.3	7.00	177.8	0.688	17.5	33.00	838.2	9.500	241.3	8.938	227.0	6.000	152.4	0.315	8.0
30	762	41.50	1054.1	5.50	139.7	0.563	14.3	7.00	177.8	0.688	17.5	39.00	990.6	9.500	241.3	11.063	281.0	6.000	152.4	0.315	8.0
36	914	47.50	1206.5	5.50	139.7	0.563	14.3	7.00	177.8	0.688	17.5	45.00	1143.0	9.500	241.3	13.063	331.8	6.250	158.8	0.394	10.0
42	1067	53.50	1358.9	---	---	---	---	7.00	177.8	0.688	17.5	51.00	1295.4	9.500	241.3	15.063	382.6	6.750	171.5	0.394	10.0
48	1219	59.50	1511.3	---	---	---	---	7.00	177.8	0.688	17.5	57.00	1447.8	9.500	241.3	17.063	433.4	6.750	171.5	0.394	10.0
54	1372	65.50	1663.7	---	---	---	---	7.00	177.8	0.688	17.5	63.00	1600.2	10.938	277.8	19.063	484.2	7.000	177.8	0.394	10.0
60	1524	71.50	1816.1	---	---	---	---	7.00	177.8	0.688	17.5	69.00	1752.6	10.938	277.8	21.063	535.0	7.000	177.8	0.394	10.0
72	1829	83.50	2120.9	---	---	---	---	7.00	177.8	0.688	17.5	81.00	2057.4	10.938	277.8	25.063	636.6	7.000	177.8	0.394	10.0

		Ø 5" (Ø127.0 mm)										Ø 6" (Ø152.4 mm)									
BW	L	MODEL	E	F	H ₂	Weight		BW	L	MODEL	E	F	H ₂	Weight							
[in]	[mm]		[in]	[mm]	[in]	[mm]	[Lb]	[Kg]	[in]	[mm]		[in]	[mm]	[in]	[mm]	[Lb]	[Kg]				
24	610	D5-20TE-24	11.663	296.2	26.937	684.2	8.50	215.9	60.0	27.25	24	610	D6-20TE-24	12.133	308.2	26.595	675.5	9.00	228.6	72.0	32.68
30	762	D5-20TE-30	12.390	314.7	33.058	839.7	8.50	215.9	68.5	31.08	30	762	D6-20TE-30	12.860	326.6	32.716	831.0	9.00	228.6	75.0	34.04
36	914	D5-20TE-36	13.325	338.5	38.832	986.3	8.75	222.3	77.7	35.26	36	914	D6-20TE-36	13.795	350.4	38.490	977.6	9.25	235.0	85.0	38.60
42	1067	D5-20TE-42	14.504	368.4	44.529	1131.0	9.25	235.0	91.1	41.37	42	1067	D6-20TE-42	14.974	380.3	44.187	1122.3	9.75	247.7	99.9	45.36
48	1219	D5-20TE-48	15.189	385.8	50.303	1277.7	9.25	235.0	99.8	45.30	48	1219	D6-20TE-48	15.659	397.7	49.961	1269.0	9.75	247.7	109.4	49.66
54	1372	D5-20TE-54	16.125	409.6	56.077	1424.4	9.50	241.3	122.6	55.65	54	1372	D6-20TE-54	16.594	421.5	55.735	1415.7	10.00	254.0	132.2	60.02
60	1524	D5-20TE-60	16.810	427.0	61.851	1571.0	9.50	241.3	132.2	60.04	60	1524	D6-20TE-60	17.280	438.9	61.509	1562.3	10.00	254.0	143.0	64.91
72	1829	D5-20TE-72	18.181	461.8	73.399	1864.3	9.50	241.3	152.1	69.07	72	1829	D6-20TE-72	18.651	473.7	73.057	1855.6	10.00	254.0	164.5	74.70
24	610	D5-35TE-24	13.754	349.4	24.392	619.6	8.50	215.9	62.0	28.15	24	610	D6-35TE-24	14.164	359.8	23.818	605.0	9.00	228.6	67.6	30.71
30	762	D5-35TE-30	14.973	380.3	30.000	762.0	8.50	215.9	70.8	32.13	30	762	D6-35TE-30	15.383	390.7	29.427	747.4	9.00	228.6	77.3	35.09
36	914	D5-35TE-36	16.463	418.2	35.865	911.0	8.75	222.3	80.5	36.53	36	914	D6-35TE-36	16.873	426.5	35.291	896.4	9.25	235.0	87.8	39.88
42	1067	D5-35TE-42	18.101	459.8	41.084	1043.5	9.25	235.0	94.5	42.92	42	1067	D6-35TE-42	18.511	470.2	40.510	1029.0	9.75	247.7	103.3	46.91
48	1219	D5-35TE-48	19.251	489.0	46.375	1177.9	9.25	235.0	103.5	47.01	48	1219	D6-35TE-48	19.660	499.4	45.801	1163.4	9.75	247.7	113.2	51.38
54	1372	D5-35TE-54	20.651	524.5	51.665	1312.3	9.50	241.3	126.7	57.53	54	1372	D6-35TE-54	21.060	534.9	51.092	1297.7	10.00	254.0	136.3	61.89
60	1524	D5-35TE-60	21.800	553.7	56.956	1446.7	9.50	241.3	136.7	62.08	60	1524	D6-35TE-60	22.210	564.1	56.383	1432.1	10.00	254.0	147.5	66.95
72	1829	D5-35TE-72	24.099	612.1	67.538	1715.5	9.50	241.3	157.3	71.43	72	1829	D6-35TE-72	24.509	622.5	66.965	1700.9	10.00	254.0	169.7	77.06
24	610	D5-45TE-24					8.50	215.9			24	610	D6-45TE-24					9.00	228.6		
30	762	D5-45TE-30					8.50	215.9			30	762	D6-45TE-30					9.00	228.6		
36	914	D5-45TE-36					8.75	222.3			36	914	D6-45TE-36					9.25	235.0		
42	1067	D5-45TE-42					9.25	235.0			42	1067	D6-45TE-42					9.75	247.7		
48	1219	D5-45TE-48					9.25	235.0			48	1219	D6-45TE-48					9.75	247.7		
54	1372	D5-45TE-54					9.50	241.3			54	1372	D6-45TE-54					10.00	254.0		
60	1524	D5-45TE-60					9.50	241.3			60	1524	D6-45TE-60					10.00	254.0		
72	1829	D5-45TE-72					9.50	241.3			72	1829	D6-45TE-72					10.00	254.0		

		Ø 7" (Ø177.8 mm)									
BW	L	MODEL	E		F		H ₂		Weight		
[in]	[mm]		[in]	[mm]	[in]	[mm]	[in]	[mm]	[Lb]	[Kg]	
24	610	20									
30	762										
36	914		D7-20TE-36					9.75	247.7		
42	1067		D7-20TE-42					10.25	260.4		
48	1219		D7-20TE-48					10.25	260.4		
54	1372		D7-20TE-54					10.50	266.7		
60	1524		D7-20TE-60					10.50	266.7		
72	1829	D7-20TE-72					10.50	266.7			
24	610	35									
30	762										
36	914		D7-35TE-36					9.75	247.7		
42	1067		D7-35TE-42					10.25	260.4		
48	1219		D7-35TE-48					10.25	260.4		
54	1372		D7-35TE-54					10.50	266.7		
60	1524		D7-35TE-60					10.50	266.7		
72	1829	D7-35TE-72					10.50	266.7			
24	610	45									
30	762										
36	914		D7-45TE-36					9.75	247.7		
42	1067		D7-45TE-42					10.25	260.4		
48	1219		D7-45TE-48					10.25	260.4		
54	1372		D7-45TE-54					10.50	266.7		
60	1524		D7-45TE-60					10.50	266.7		
72	1829	D7-45TE-72					10.50	266.7			

CEMA D - TU (TROUGH UNEQUAL)

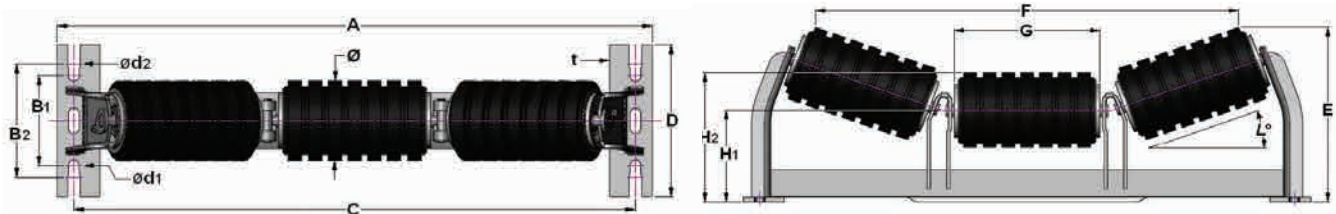


BW	A	B ₁	ø d ₁	B ₂	ø d ₂	C	D	G	G _w	H ₁	t
[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]
24	610	35.00	889.0	5.50	139.7	0.563	14.3	7.00	177.8	0.688	17.5
30	762	41.50	1054.1	5.50	139.7	0.563	14.3	7.00	177.8	0.688	17.5
36	914	47.50	1206.5	5.50	139.7	0.563	14.3	7.00	177.8	0.688	17.5
42	1067	53.50	1358.9	---	---	---	---	7.00	177.8	0.688	17.5
48	1219	59.50	1511.3	---	---	---	---	7.00	177.8	0.688	17.5
54	1372	65.50	1663.7	---	---	---	---	7.00	177.8	0.688	17.5
60	1524	71.50	1816.1	---	---	---	---	7.00	177.8	0.688	17.5
72	1829	83.50	2120.9	---	---	---	---	7.00	177.8	0.688	17.5

Ø 5" (Ø127.0 mm)									
BW	L	MODEL	E	F	H ₂	Weight			
[in]	[mm]		[in]	[mm]	[in]	[mm]	[Lb]	[kg]	
24	610	D5-20TU-24	10.46	265.6	26.42	671.1	8.50	215.9	
30	762	D5-20TU-30	10.46	265.6	32.44	824.1	8.50	215.9	
36	914	D5-20TU-36	11.91	302.6	39.06	992.2	8.75	222.3	
42	1067	D5-20TU-42	12.41	315.3	45.28	1150.2	9.25	235.0	
48	1219	D5-20TU-48	12.41	315.3	51.31	1303.2	9.25	235.0	
54	1372	D5-20TU-54	12.66	321.6	57.29	1455.2	9.50	241.3	117.9
60	1524	D5-20TU-60	12.66	321.6	63.28	1607.2	9.50	241.3	
72	1829	D5-20TU-72	12.66	321.6	75.28	1912.2	9.50	241.3	
24	610	D5-35TU-24	11.73	298.1	24.72	628.0	8.50	215.9	
30	762	D5-35TU-30	11.73	298.1	30.75	781.0	8.50	215.9	
36	914	D5-35TU-36	14.09	358.0	37.09	942.1	8.75	222.3	
42	1067	D5-35TU-42	14.59	370.7	43.31	1100.1	9.25	235.0	
48	1219	D5-35TU-48	14.59	370.7	49.34	1253.1	9.25	235.0	
54	1372	D5-35TU-54	14.84	377.1	55.32	1405.1	9.50	241.3	
60	1524	D5-35TU-60	14.84	377.1	61.30	1557.1	9.50	241.3	
72	1829	D5-35TU-72	14.84	377.1	73.31	1862.1	9.50	241.3	
24	610	D5-45TU-24	12.52	318.1	23.64	600.4	8.50	215.9	
30	762	D5-45TU-30	12.52	318.1	29.66	753.4	8.50	215.9	
36	914	D5-45TU-36	15.41	391.4	35.35	897.8	8.75	222.3	
42	1067	D5-45TU-42	15.91	404.1	41.57	1055.8	9.25	235.0	
48	1219	D5-45TU-48	15.91	404.1	47.59	1208.8	9.25	235.0	
54	1372	D5-45TU-54	16.16	410.5	53.58	1360.8	9.50	241.3	
60	1524	D5-45TU-60	16.16	410.5	59.56	1512.8	9.50	241.3	
72	1829	D5-45TU-72	16.16	410.5	71.57	1817.8	9.50	241.3	

Ø 6" (Ø152.4 mm)									
BW	L	MODEL	E	F	H ₂	Weight			
[in]	[mm]		[in]	[mm]	[in]	[mm]	[Lb]	[kg]	
24	610	D6-20TU-24	10.93	277.6	26.08	662.4	9.00	228.6	
30	762	D6-20TU-30	10.93	277.6	32.10	815.4	9.00	228.6	
36	914	D6-20TU-36	12.38	314.5	38.72	983.5	9.25	235.0	
42	1067	D6-20TU-42	12.88	327.2	44.94	1141.5	9.75	247.7	
48	1219	D6-20TU-48	12.88	327.2	50.97	1294.5	9.75	247.7	
54	1372	D6-20TU-54	13.13	333.6	56.95	1446.5	10.00	254.0	
60	1524	D6-20TU-60	13.13	333.6	62.93	1598.5	10.00	254.0	
72	1829	D6-20TU-72	13.13	333.6	74.94	1903.5	10.00	254.0	
24	610	D6-35TU-24	12.14	308.5	24.15	613.4	9.00	228.6	
30	762	D6-35TU-30	12.14	308.5	30.17	766.4	9.00	228.6	
36	914	D6-35TU-36	14.50	368.4	36.52	927.6	9.25	235.0	
42	1067	D6-35TU-42	15.04	382.1	42.74	1085.6	9.75	247.7	
48	1219	D6-35TU-48	15.04	382.1	48.76	1238.6	9.75	247.7	
54	1372	D6-35TU-54	15.25	387.5	54.75	1390.6	10.00	254.0	
60	1524	D6-35TU-60	15.25	387.5	60.73	1542.6	10.00	254.0	
72	1829	D6-35TU-72	15.25	387.5	72.74	1847.6	10.00	254.0	
24	610	D6-45TU-24	12.88	327.1	22.93	582.4	9.00	228.6	
30	762	D6-45TU-30	12.88	327.1	28.95	735.4	9.00	228.6	
36	914	D6-45TU-36	15.76	400.4	34.64	879.9	9.25	235.0	
42	1067	D6-45TU-42	16.26	413.1	40.86	1037.9	9.75	247.7	
48	1219	D6-45TU-48	16.26	413.1	46.89	1190.9	9.75	247.7	
54	1372	D6-45TU-54	16.51	419.5	52.87	1342.9	10.00	254.0	
60	1524	D6-45TU-60	16.51	419.5	58.85	1494.9	10.00	254.0	
72	1829	D6-45TU-72	16.51	419.5	70.86	1747.9	10.00	254.0	

Ø 7" (Ø177.8 mm)									
BW	L	MODEL	E	F	H ₂	Weight	W		
[in]	[mm]		[in]	[mm]	[in]	[mm]	[Lb]	[kg]	[in]
24	610	D7-20TU-24	11.40	289.5	25.74	653.7	9.50	241.3	
30	762	D7-20TU-30	11.40	289.5	31.76	806.7	9.50	241.3	
36	914	D7-20TU-36	12.85	326.5	38.38	974.8	9.75	247.7	
42	1067	D7-20TU-42	13.35	339.2	44.60	1132.8	10.25	260.4	
48	1219	D7-20TU-48	13.35	339.2	50.62	1285.8	10.25	260.4	
54	1372	D7-20TU-54	13.60	345.5	56.61	1437.8	10.50	266.7	
60	1524	D7-20TU-60	13.60	345.5	62.59	1589.8	10.50	266.7	
72	1829	D7-20TU-72	13.60	345.5	74.60	1894.8	10.50	266.7	
24	610	D7-35TU-24	12.55	318.9	23.58	598.9	9.50	241.3	34.69
30	762	D7-35TU-30	12.55	318.9	29.60	751.9	9.50	241.3	40.71
36	914	D7-35TU-36	14.91	378.8	35.94	913.0	9.75	247.7	47.09
42	1067	D7-35TU-42	15.41	391.5	42.16	1071.0	10.25	260.4	53.31
48	1219	D7-35TU-48	15.41	391.5	48.19	1224.0	10.25	260.4	59.33
54	1372	D7-35TU-54	15.66	397.9	54.17	1376.0	10.50	266.7	65.32
60	1524	D7-35TU-60	15.66	397.9	60.16	1528.0	10.50	266.7	71.30
72	1829	D7-35TU-72	15.66	397.9	72.16	1833.0	10.50	266.7	83.31
24	610	D7-45TU-24	13.23	336.1	22.22	564.5	9.50	241.3	35.93
30	762	D7-45TU-30	13.23	336.1	28.25	717.5	9.50	241.3	41.96
36	914	D7-45TU-36	16.12	409.4	33.93	861.9	9.75	247.7	47.67
42	1067	D7-45TU-42	16.62	422.1	40.15	1019.9	10.25	260.4	53.89
48	1219	D7-45TU-48	16.62	422.1	46.18	1172.9	10.25	260.4	59.92
54	1372	D7-45TU-54	16.87	428.4	52.16	1324.9	10.50	266.7	65.90
60	1524	D7-45TU-60	16.87	428.4	58.15	1476.9	10.50	266.7	71.89
72	1829	D7-45TU-72	16.87	428.4	70.15	1781.9	10.50	266.7	83.89

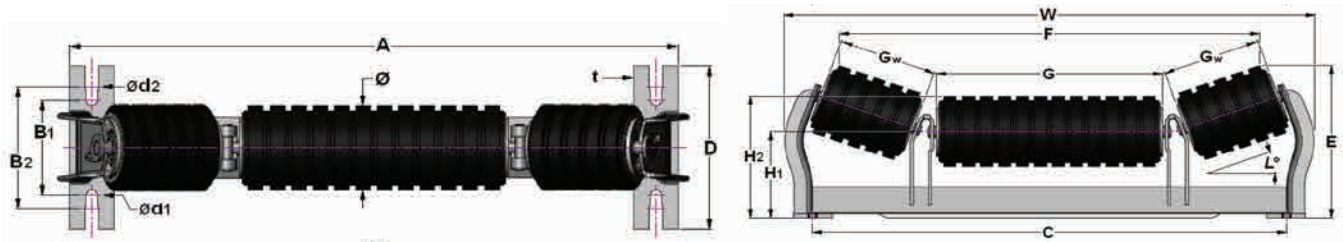


BW		A		B ₁		ø d ₁		B ₂		ø d ₂		C		D		G		H ₁		t	
(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)
24	610	35.00	889.0	5.50	139.7	0.563	14.3	7.00	177.8	0.688	17.5	33.00	838.2	9.500	241.3	8.938	227.0	6.000	152.4	0.315	8.0
30	762	41.50	1054.1	5.50	139.7	0.563	14.3	7.00	177.8	0.688	17.5	39.00	990.6	9.500	241.3	11.063	281.0	6.000	152.4	0.315	8.0
36	914	47.50	1206.5	5.50	139.7	0.563	14.3	7.00	177.8	0.688	17.5	45.00	1143.0	9.500	241.3	13.063	331.8	6.250	158.8	0.394	10.0
42	1067	53.50	1358.9	---	---	---	---	7.00	177.8	0.688	17.5	51.00	1295.4	9.500	241.3	15.063	382.6	6.750	171.5	0.394	10.0
48	1219	59.50	1511.3	---	---	---	---	7.00	177.8	0.688	17.5	57.00	1447.8	9.500	241.3	17.063	433.4	6.750	171.5	0.394	10.0
54	1372	65.50	1663.7	---	---	---	---	7.00	177.8	0.688	17.5	63.00	1600.2	10.938	277.8	19.063	484.2	7.000	177.8	0.394	10.0
60	1524	71.50	1816.1	---	---	---	---	7.00	177.8	0.688	17.5	69.00	1752.6	10.938	277.8	21.063	535.0	7.000	177.8	0.394	10.0
72	1829	83.50	2120.9	---	---	---	---	7.00	177.8	0.688	17.5	81.00	2057.4	10.938	277.8	25.063	636.6	7.000	177.8	0.394	10.0

		Ø 5" (Ø127.0 mm)												Ø 6" (Ø152.4 mm)												
BW		L	MODEL	E		F		H ₂		Weight		BW		L	MODEL	E		F		H ₂		Weight				
(in)	(mm)	(")		(in)	(mm)	(in)	(mm)	(in)	(mm)	(lb)	(kg)	(in)	(mm)	(")		(in)	(mm)	(in)	(mm)	(in)	(mm)	(lb)	(kg)			
24	610		20	D5-20TEI-24	11.481	291.6	25.938	658.8	8.50	215.9	65.5	29.75	24	610		20	D6-20TEI-24	11.951	303.6	25.596	650.1	9.00	228.6	72.9	33.10	
30	762			D5-20TEI-30	12.248	311.1	32.281	819.9	8.50	215.9	76.4	34.68	30	762			D6-20TEI-30	12.718	323.0	31.939	811.3	9.00	228.6	84.8	38.50	
36	914			D5-20TEI-36	13.044	331.3	37.286	947.1	8.75	222.3	86.0	39.05	36	914			D6-20TEI-36	13.514	343.3	36.944	938.4	9.25	235.0	95.5	43.37	
42	1067			D5-20TEI-42	14.285	362.8	43.324	1100.4	9.25	235.0	104.3	47.36	42	1067			D6-20TEI-42	14.754	374.8	42.982	1091.7	9.75	247.7	115.8	52.56	
48	1219			D5-20TEI-48	15.032	381.8	49.438	1255.7	9.25	235.0	115.5	52.45	48	1219			D6-20TEI-48	15.502	393.8	49.096	1247.0	9.75	247.7	128.3	58.26	
54	1372			D5-20TEI-54	16.029	407.1	55.552	1411.0	9.50	241.3	142.1	64.52	54	1372			D6-20TEI-54	16.499	419.1	55.210	1402.3	10.00	254.0	155.7	70.68	
60	1524			D5-20TEI-60	16.574	421.0	60.557	1538.1	9.50	241.3	153.4	69.66	60	1524			D6-20TEI-60	17.044	432.9	60.215	1529.5	10.00	254.0	168.1	76.32	
72	1829			D5-20TEI-72	18.069	459.0	72.786	1848.8	9.50	241.3	178.7	81.15	72	1829			D6-20TEI-72	18.539	470.9	72.444	1840.1	10.00	254.0	196.1	89.03	
24	610		35	D5-35TEI-24	13.449	341.6	23.521	597.4	8.50	215.9	67.9	30.81	24	610		35	D6-35TEI-24	13.858	352.0	22.947	582.9	9.00	228.6	74.9	34.00	
30	762			D5-35TEI-30	14.736	374.3	29.323	744.8	8.50	215.9	78.7	35.72	30	762			D6-35TEI-30	15.146	384.7	28.750	730.3	9.00	228.6	87.1	39.55	
36	914			D5-35TEI-36	15.992	406.2	34.517	876.7	8.75	222.3	88.8	40.33	36	914			D6-35TEI-36	16.401	416.6	33.943	862.2	9.25	235.0	98.3	44.65	
42	1067			D5-35TEI-42	17.733	450.4	40.033	1016.8	9.25	235.0	107.7	48.91	42	1067			D6-35TEI-42	18.143	460.8	39.459	1002.3	9.75	247.7	119.2	54.11	
48	1219			D5-35TEI-48	18.987	482.3	45.621	1158.8	9.25	235.0	119.3	54.16	48	1219			D6-35TEI-48	19.396	492.7	45.047	1144.2	9.75	247.7	132.1	59.98	
54	1372			D5-35TEI-54	20.491	520.5	51.208	1300.7	9.50	241.3	146.2	66.39	54	1372			D6-35TEI-54	20.900	530.9	50.634	1286.1	10.00	254.0	159.8	72.56	
60	1524			D5-35TEI-60	21.405	543.7	55.828	1418.0	9.50	241.3	157.9	71.70	60	1524			D6-35TEI-60	21.815	554.1	55.254	1403.5	10.00	254.0	172.6	78.36	
72	1829			D5-35TEI-72	23.912	607.4	67.003	1701.9	9.50	241.3	183.9	83.51	72	1829			D6-35TEI-72	24.321	617.8	66.430	1687.3	10.00	254.0	201.3	91.39	
24	610		45	D5-45TEI-24					8.50	215.9			24	610		45	D6-45TEI-24					9.00	228.6			
30	762			D5-45TEI-30						8.50	215.9			30	762			D6-45TEI-30					9.00	228.6		
36	914			D5-45TEI-36						8.75	222.3			36	914			D6-45TEI-36					9.25	235.0		
42	1067			D5-45TEI-42						9.25	235.0			42	1067			D6-45TEI-42					9.75	247.7		
48	1219			D5-45TEI-48						9.25	235.0			48	1219			D6-45TEI-48					9.75	247.7		
54	1372			D5-45TEI-54						9.50	241.3			54	1372			D6-45TEI-54					10.00	254.0		
60	1524			D5-45TEI-60						9.50	241.3			60	1524			D6-45TEI-60					10.00	254.0		
72	1829			D5-45TEI-72						9.50	241.3			72	1829			D6-45TEI-72					10.00	254.0		

		Ø 7" (Ø177.8 mm)									
BW	L	MODEL	E		F		H ₂		Weight		
(in)	(mm)		(in)	(mm)	(in)	(mm)	(in)	(mm)	(Lb)	(KG)	
24	610	20									
30	762										
36	914		D7-20TEI-36					9.75	247.7		
42	1067		D7-20TEI-42					10.25	260.4		
48	1219		D7-20TEI-48					10.25	260.4		
54	1372		D7-20TEI-54					10.50	266.7		
60	1524		D7-20TEI-60					10.50	266.7		
72	1829	D7-20TEI-72					10.50	266.7			
24	610	35									
30	762										
36	914		D7-35TEI-36					9.75	247.7		
42	1067		D7-35TEI-42					10.25	260.4		
48	1219		D7-35TEI-48					10.25	260.4		
54	1372		D7-35TEI-54					10.50	266.7		
60	1524		D7-35TEI-60					10.50	266.7		
72	1829	D7-35TEI-72					10.50	266.7			
24	610	45									
30	762										
36	914		D7-45TEI-36					9.75	247.7		
42	1067		D7-45TEI-42					10.25	260.4		
48	1219		D7-45TEI-48					10.25	260.4		
54	1372		D7-45TEI-54					10.50	266.7		
60	1524		D7-45TEI-60					10.50	266.7		
72	1829	D7-45TEI-72					10.50	266.7			

CEMA D - TUI (TROUGH UNEQUAL IMPACT)

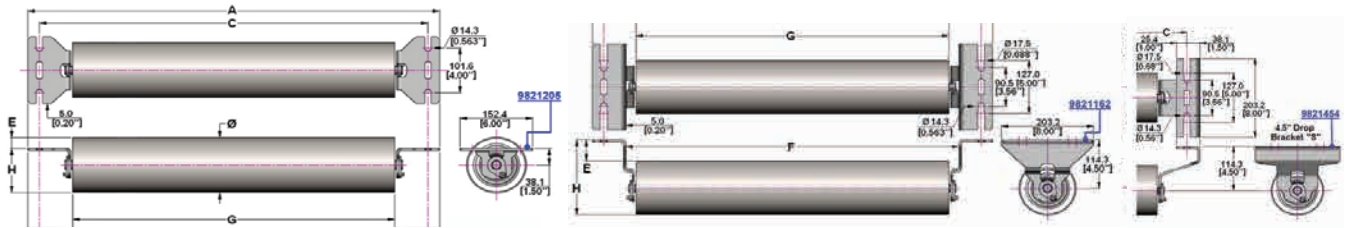


BW	A	B ₁	Ø d ₁	B ₂	Ø d ₂	C	D	G	G _w	H ₁	t
[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]
24	610	35.00	889.0	5.50	139.7	0.563	14.3	7.00	177.8	0.688	17.5
30	762	41.50	1054.1	5.50	139.7	0.563	14.3	7.00	177.8	0.688	17.5
36	914	47.50	1206.5	5.50	139.7	0.563	14.3	7.00	177.8	0.688	17.5
42	1067	53.50	1358.9	---	---	---	---	7.00	177.8	0.688	17.5
48	1219	59.50	1511.3	---	---	---	---	7.00	177.8	0.688	17.5
54	1372	65.50	1663.7	---	---	---	---	7.00	177.8	0.688	17.5
60	1524	71.50	1816.1	---	---	---	---	7.00	177.8	0.688	17.5
72	1829	83.50	2120.9	---	---	---	---	7.00	177.8	0.688	17.5

Ø 5" (Ø127.0 mm)										
BW	L	MODEL	E	F	H ₂	Weight				
[in]	[mm]		[in]	[mm]	[in]	[mm]	[lb]	[kg]		
24	610	D5-20TUI-24	10.27	260.8	25.38	644.7	8.50	215.9		
30	762	D5-20TUI-30	10.27	260.8	31.40	797.7	8.50	215.9		
36	914	D5-20TUI-36	11.73	298.0	38.06	966.8	8.75	222.3		
42	1067	D5-20TUI-42	12.23	310.7	44.28	1124.8	9.25	235.0		
48	1219	D5-20TUI-48	12.23	310.7	50.31	1277.8	9.25	235.0		
54	1372	D5-20TUI-54	12.48	317.0	56.29	1429.8	9.50	241.3		
60	1524	D5-20TUI-60	12.48	317.0	62.28	1581.8	9.50	241.3		
72	1829	D5-20TUI-72	12.48	317.0	74.28	1886.8	9.50	241.3		
24	610	D5-35TUI-24	11.42	290.0	23.82	605.0	8.50	215.9		
30	762	D5-35TUI-30	11.42	290.0	29.84	758.0	8.50	215.9		
36	914	D5-35TUI-36	13.79	350.3	36.22	920.0	8.75	222.3		
42	1067	D5-35TUI-42	14.29	363.0	42.44	1078.0	9.25	235.0		
48	1219	D5-35TUI-48	14.29	363.0	48.46	1231.0	9.25	235.0		
54	1372	D5-35TUI-54	14.54	369.3	54.45	1383.0	9.50	241.3		
60	1524	D5-35TUI-60	14.54	369.3	60.43	1535.0	9.50	241.3		
72	1829	D5-35TUI-72	14.54	369.3	72.44	1840.0	9.50	241.3		
24	610	D5-45TUI-24	12.13	308.1	22.85	580.5	8.50	215.9		
30	762	D5-45TUI-30	12.13	308.1	28.88	733.5	8.50	215.9		
36	914	D5-45TUI-36	15.03	381.9	34.60	878.7	8.75	222.3		
42	1067	D5-45TUI-42	15.53	394.6	40.82	1036.7	9.25	235.0		
48	1219	D5-45TUI-48	15.53	394.6	46.84	1189.7	9.25	235.0		
54	1372	D5-45TUI-54	15.78	400.9	52.82	1341.7	9.50	241.3		
60	1524	D5-45TUI-60	15.78	400.9	58.81	1493.7	9.50	241.3		
72	1829	D5-45TUI-72	15.78	400.9	70.82	1798.7	9.50	241.3		

Ø 6" (Ø152.4 mm)										
BW	L	MODEL	E	F	H ₂	Weight				
[in]	[mm]		[in]	[mm]	[in]	[mm]	[lb]	[kg]		
24	610	D6-20TUI-24	10.74	272.8	25.04	636.0	9.00	228.6		
30	762	D6-20TUI-30	10.74	272.8	31.06	789.0	9.00	228.6		
36	914	D6-20TUI-36	12.20	309.9	37.72	958.1	9.25	235.0		
42	1067	D6-20TUI-42	12.70	322.6	43.94	1116.1	9.75	247.7		
48	1219	D6-20TUI-48	12.70	322.6	49.97	1269.1	9.75	247.7		
54	1372	D6-20TUI-54	12.95	329.0	55.95	1421.1	10.00	254.0		
60	1524	D6-20TUI-60	12.95	329.0	61.93	1573.1	10.00	254.0		
72	1829	D6-20TUI-72	12.95	329.0	73.94	1878.1	10.00	254.0		
24	610	D6-35TUI-24	11.83	300.4	23.24	590.4	9.00	228.6		
30	762	D6-35TUI-30	11.83	300.4	29.27	743.4	9.00	228.6		
36	914	D6-35TUI-36	14.20	360.7	35.65	905.4	9.25	235.0		
42	1067	D6-35TUI-42	14.70	373.4	41.87	1063.4	9.75	247.7		
48	1219	D6-35TUI-48	14.70	373.4	47.89	1216.4	9.75	247.7		
54	1372	D6-35TUI-54	14.95	379.7	53.88	1368.4	10.00	254.0		
60	1524	D6-35TUI-60	14.95	379.7	59.86	1520.4	10.00	254.0		
72	1829	D6-35TUI-72	14.95	379.7	71.87	1825.4	10.00	254.0		
24	610	D6-45TUI-24	12.49	317.1	22.15	562.5	9.00	228.6		
30	762	D6-45TUI-30	12.49	317.1	28.17	715.5	9.00	228.6		
36	914	D6-45TUI-36	15.39	390.9	33.89	860.8	9.25	235.0		
42	1067	D6-45TUI-42	15.89	403.6	40.11	1018.8	9.75	247.7		
48	1219	D6-45TUI-48	15.89	403.6	46.13	1171.8	9.75	247.7		
54	1372	D6-45TUI-54	16.14	409.9	52.12	1323.8	10.00	254.0		
60	1524	D6-45TUI-60	16.14	409.9	58.10	1475.8	10.00	254.0		
72	1829	D6-45TUI-72	16.14	409.9	70.11	1780.8	10.00	254.0		

Ø 7" (Ø177.8 mm)										
BW	L	MODEL	E	F	H ₂	Weight				
[in]	[mm]		[in]	[mm]	[in]	[mm]	[lb]	[kg]		
24	610	D7-20TUI-24	11.21	284.7	24.70	627.3	9.50	241.3		
30	762	D7-20TUI-30	11.21	284.7	30.72	780.3	9.50	241.3		
36	914	D7-20TUI-36	12.67	321.8	37.38	949.4	9.75	247.7		
42	1067	D7-20TUI-42	13.17	334.5	43.60	1107.4	10.25	260.4		
48	1219	D7-20TUI-48	13.17	334.5	49.62	1260.4	10.25	260.4		
54	1372	D7-20TUI-54	13.42	340.9	55.61	1412.4	10.50	266.7		
60	1524	D7-20TUI-60	13.42	340.9	61.59	1564.4	10.50	266.7		
72	1829	D7-20TUI-72	13.42	340.9	73.60	1869.4	10.50	266.7		
24	610	D7-35TUI-24	12.24	310.8	22.67	575.8	9.50	241.3		
30	762	D7-35TUI-30	12.24	310.8	28.69	728.8	9.50	241.3		
36	914	D7-35TUI-36	14.61	371.1	35.07	890.9	9.75	247.7		
42	1067	D7-35TUI-42	15.11	383.8	41.29	1048.9	10.25	260.4		
48	1219	D7-35TUI-48	15.11	383.8	47.32	1201.9	10.25	260.4		
54	1372	D7-35TUI-54	15.36	390.1	53.30	1353.9	10.50	266.7		
60	1524	D7-35TUI-60	15.36	390.1	59.29	1505.9	10.50	266.7		
72	1829	D7-35TUI-72	15.36	390.1	71.29	1810.9	10.50	266.7		
24	610	D7-45TUI-24	12.84	326.1	21.44	544.5	9.50	241.3		
30	762	D7-45TUI-30	12.84	326.1	27.46	697.5	9.50	241.3		
36	914	D7-45TUI-36	15.74	399.8	33.18	842.8	9.75	247.7		
42	1067	D7-45TUI-42	16.24	412.5	39.40	1000.8	10.25	260.4		
48	1219	D7-45TUI-48	16.24	412.5	45.43	1153.8	10.25	260.4		
54	1372	D7-45TUI-54	16.49	418.9	51.41	1305.8	10.50	266.7		
60	1524	D7-45TUI-60	16.49	418.9	57.39	1457.8	10.50	266.7		
72	1829	D7-45TUI-72	16.49	418.9	69.40	1762.8	10.50	266.7		



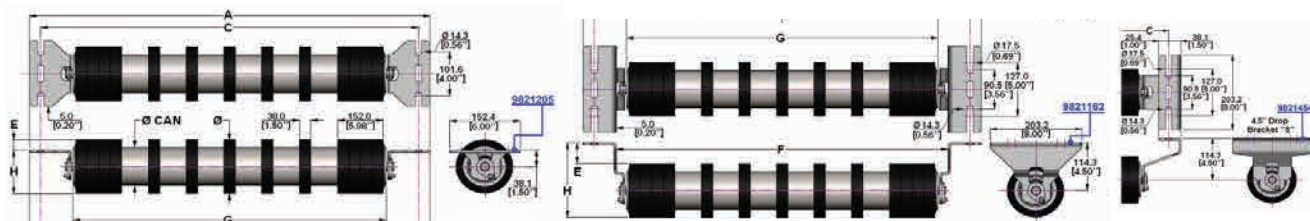
BW		A		C		F		G	
[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]
24	610	35.00	889.0	33.00	838.2	30.000	762.0	27.375	695.3
30	762	41.00	1041.4	39.00	990.6	36.000	914.4	33.375	847.7
36	914	47.00	1193.8	45.00	1143.0	42.000	1066.8	39.375	1000.1
42	1067	53.00	1346.2	51.00	1295.4	48.000	1219.2	45.375	1152.5
48	1219	59.00	1498.6	57.00	1447.8	54.000	1371.6	51.375	1304.9
54	1372	65.00	1651.0	63.00	1600.2	60.000	1524.0	57.375	1457.3
60	1524	71.00	1803.4	69.00	1752.6	66.000	1676.4	63.375	1609.7
72	1829	83.00	2108.2	81.00	2057.4	78.000	1981.2	75.375	1914.5

Ø 5" (Ø127.0 mm)									
BW		Drop	MODEL	E (±)		H		Weight	
[in]	[mm]			[in]	[mm]	[in]	[mm]	[Lb]	[kg]
24	610	1-1/2"	D5-1R-24	1.00	25.4	4.00	101.6	31.1	14.14
30	762		D5-1R-30	1.00	25.4	4.00	101.6	36.5	16.58
36	914		D5-1R-36	1.00	25.4	4.00	101.6	41.9	19.01
42	1067		D5-1R-42	1.00	25.4	4.00	101.6	47.2	21.45
48	1219		D5-1R-48	1.00	25.4	4.00	101.6	52.6	23.88
54	1372		D5-1R-54	1.00	25.4	4.00	101.6	58.0	26.32
60	1524		D5-1R-60	1.00	25.4	4.00	101.6	63.3	28.76
72	1829	4-1/2"	D5-1R-72	1.00	25.4	4.00	101.6	74.1	33.63
24	610		D5-4R-24	2.00	50.8	7.00	177.8	33.1	15.04
30	762		D5-4R-30	2.00	50.8	7.00	177.8	38.5	17.48
36	914		D5-4R-36	2.00	50.8	7.00	177.8	43.9	19.91
42	1067		D5-4R-42	2.00	50.8	7.00	177.8	49.2	22.34
48	1219		D5-4R-48	2.00	50.8	7.00	177.8	54.6	24.78
54	1372		D5-4R-54	2.00	50.8	7.00	177.8	60.0	27.22
60	1524		D5-4R-60	2.00	50.8	7.00	177.8	65.3	29.66
72	1829		D5-4R-72	2.00	50.8	7.00	177.8	76.1	34.53

Ø 6" (Ø152.4 mm)									
BW		Drop	MODEL	E (±)		H		Weight	
[in]	[mm]			[in]	[mm]	[in]	[mm]	[Lb]	[kg]
24	610	1-1/2"	D6-1R-24	1.50	38.1	4.50	114.3	35.6	16.14
30	762		D6-1R-30	1.50	38.1	4.50	114.3	41.8	18.98
36	914		D6-1R-36	1.50	38.1	4.50	114.3	48.0	21.80
42	1067		D6-1R-42	1.50	38.1	4.50	114.3	54.2	24.62
48	1219		D6-1R-48	1.50	38.1	4.50	114.3	60.4	27.44
54	1372		D6-1R-54	1.50	38.1	4.50	114.3	66.6	30.25
60	1524		D6-1R-60	1.50	38.1	4.50	114.3	72.8	33.07
72	1829	4-1/2"	D6-1R-72	1.50	38.1	4.50	114.3	85.3	38.71
24	610		D6-4R-24	1.50	38.1	7.50	190.5	37.6	17.06
30	762		D6-4R-30	1.50	38.1	7.50	190.5	43.8	19.88
36	914		D6-4R-36	1.50	38.1	7.50	190.5	50.0	22.70
42	1067		D6-4R-42	1.50	38.1	7.50	190.5	56.2	25.52
48	1219		D6-4R-48	1.50	38.1	7.50	190.5	62.4	28.34
54	1372		D6-4R-54	1.50	38.1	7.50	190.5	68.6	31.15
60	1524		D6-4R-60	1.50	38.1	7.50	190.5	74.8	33.97
72	1829		D6-4R-72	1.50	38.1	7.50	190.5	87.2	39.61

Ø 7" (Ø177.8 mm)									
BW		Drop	MODEL	E (±)		H		Weight	
[in]	[mm]			[in]	[mm]	[in]	[mm]	[Lb]	[kg]
24	610	1-1/2"	D7-1R-24	2.00	50.8	5.00	127.0		
30	762		D7-1R-30	2.00	50.8	5.00	127.0		
36	914		D7-1R-36	2.00	50.8	5.00	127.0		
42	1067		D7-1R-42	2.00	50.8	5.00	127.0		
48	1219		D7-1R-48	2.00	50.8	5.00	127.0		
54	1372		D7-1R-54	2.00	50.8	5.00	127.0		
60	1524		D7-1R-60	2.00	50.8	5.00	127.0		
72	1829	4-1/2"	D7-1R-72	2.00	50.8	5.00	127.0		
24	610		D7-4R-24	1.00	25.4	8.00	203.2		
30	762		D7-4R-30	1.00	25.4	8.00	203.2		
36	914		D7-4R-36	1.00	25.4	8.00	203.2		
42	1067		D7-4R-42	1.00	25.4	8.00	203.2		
48	1219		D7-4R-48	1.00	25.4	8.00	203.2		
54	1372		D7-4R-54	1.00	25.4	8.00	203.2		
60	1524		D7-4R-60	1.00	25.4	8.00	203.2		
72	1829		D7-4R-72	1.00	25.4	8.00	203.2		

CEMA D - RRD (RETURN RUBBER DISC)

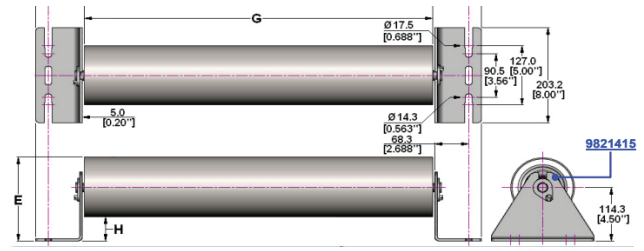
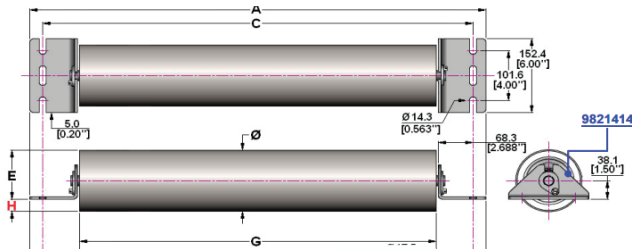


BW		A		C		F		G	
[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]
24	610	35.00	889.0	33.00	838.2	30.000	762.0	27.375	695.3
30	762	41.00	1041.4	39.00	990.6	36.000	914.4	33.375	847.7
36	914	47.00	1193.8	45.00	1143.0	42.000	1066.8	39.375	1000.1
42	1067	53.00	1346.2	51.00	1295.4	48.000	1219.2	45.375	1152.5
48	1219	59.00	1498.6	57.00	1447.8	54.000	1371.6	51.375	1304.9
54	1372	65.00	1651.0	63.00	1600.2	60.000	1524.0	57.375	1457.3
60	1524	71.00	1803.4	69.00	1752.6	66.000	1676.4	63.375	1609.7
72	1829	83.00	2108.2	81.00	2057.4	78.000	1981.2	75.375	1914.5

BW		Drop		MODEL		E (±)		H		Weight	
[in]	[mm]	[in]	[mm]			[in]	[mm]	[in]	[mm]	[Lb]	[Kg]
24	610	1-1/2"	38.1	D5-1RRD-24	1.00	25.4	4.00	101.6	30.5	13.86	
30	762			D5-1RRD-30	1.00	25.4	4.00	101.6	35.2	15.96	
36	914			D5-1RRD-36	1.00	25.4	4.00	101.6	39.8	18.06	
42	1067			D5-1RRD-42	1.00	25.4	4.00	101.6	44.4	20.16	
48	1219			D5-1RRD-48	1.00	25.4	4.00	101.6	49.0	22.26	
54	1372			D5-1RRD-54	1.00	25.4	4.00	101.6	53.7	24.36	
60	1524			D5-1RRD-60	1.00	25.4	4.00	101.6	58.3	26.47	
72	1829			D5-1RRD-72	1.00	25.4	4.00	101.6	67.5	30.66	
24	610	4-1/2"	114.3	D5-4RRD-24	2.00	50.8	7.00	177.8	32.5	14.77	
30	762			D5-4RRD-30	2.00	50.8	7.00	177.8	37.1	16.86	
36	914			D5-4RRD-36	2.00	50.8	7.00	177.8	41.8	18.96	
42	1067			D5-4RRD-42	2.00	50.8	7.00	177.8	46.4	21.06	
48	1219			D5-4RRD-48	2.00	50.8	7.00	177.8	51.0	23.16	
54	1372			D5-4RRD-54	2.00	50.8	7.00	177.8	55.6	25.26	
60	1524			D5-4RRD-60	2.00	50.8	7.00	177.8	60.3	27.37	
72	1829			D5-4RRD-72	2.00	50.8	7.00	177.8	69.5	31.56	

BW		Drop		MODEL		E (±)		H		Weight	
[in]	[mm]	[in]	[mm]			[in]	[mm]	[in]	[mm]	[Lb]	[Kg]
24	610	1-1/2"	38.1	D6-1RRD-24	1.50	38.1	4.50	114.3	36.2	16.44	
30	762			D6-1RRD-30	1.50	38.1	4.50	114.3	41.8	18.98	
36	914			D6-1RRD-36	1.50	38.1	4.50	114.3	47.4	21.51	
42	1067			D6-1RRD-42	1.50	38.1	4.50	114.3	53.0	24.04	
48	1219			D6-1RRD-48	1.50	38.1	4.50	114.3	58.5	26.58	
54	1372			D6-1RRD-54	1.50	38.1	4.50	114.3	64.1	29.11	
60	1524			D6-1RRD-60	1.50	38.1	4.50	114.3	69.7	31.65	
72	1829			D6-1RRD-72	1.50	38.1	4.50	114.3	80.9	36.71	
24	610	4-1/2"	114.3	D6-4RRD-24	1.50	38.1	7.50	190.5	38.2	17.35	
30	762			D6-4RRD-30	1.50	38.1	7.50	190.5	43.8	19.88	
36	914			D6-4RRD-36	1.50	38.1	7.50	190.5	49.4	22.41	
42	1067			D6-4RRD-42	1.50	38.1	7.50	190.5	54.9	24.94	
48	1219			D6-4RRD-48	1.50	38.1	7.50	190.5	60.5	27.48	
54	1372			D6-4RRD-54	1.50	38.1	7.50	190.5	66.1	30.01	
60	1524			D6-4RRD-60	1.50	38.1	7.50	190.5	71.7	32.55	
72	1829			D6-4RRD-72	1.50	38.1	7.50	190.5	82.8	37.61	

BW		Drop		MODEL		E (±)		H		Weight	
[in]	[mm]	[in]	[mm]			[in]	[mm]	[in]	[mm]	[Lb]	[Kg]
24	610	1-1/2"	38.1	D7-1RRD-24	2.00	50.8	5.00	127.0			
30	762			D7-1RRD-30	2.00	50.8	5.00	127.0			
36	914			D7-1RRD-36	2.00	50.8	5.00	127.0			
42	1067			D7-1RRD-42	2.00	50.8	5.00	127.0			
48	1219			D7-1RRD-48	2.00	50.8	5.00	127.0			
54	1372			D7-1RRD-54	2.00	50.8	5.00	127.0			
60	1524			D7-1RRD-60	2.00	50.8	5.00	127.0			
72	1829			D7-1RRD-72	2.00	50.8	5.00	127.0			
24	610	4-1/2"	114.3	D7-4RRD-24	1.00	25.4	8.00	203.2			
30	762			D7-4RRD-30	1.00	25.4	8.00	203.2			
36	914			D7-4RRD-36	1.00	25.4	8.00	203.2			
42	1067			D7-4RRD-42	1.00	25.4	8.00	203.2			
48	1219			D7-4RRD-48	1.00	25.4	8.00	203.2			
54	1372			D7-4RRD-54	1.00	25.4	8.00	203.2			
60	1524			D7-4RRD-60	1.00	25.4	8.00	203.2			
72	1829			D7-4RRD-72	1.00	25.4	8.00	203.2			

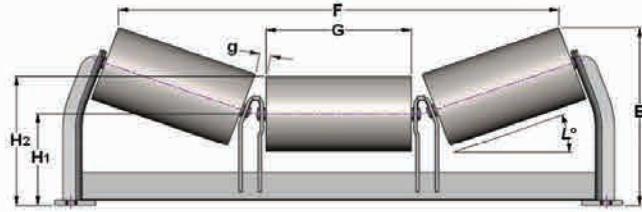
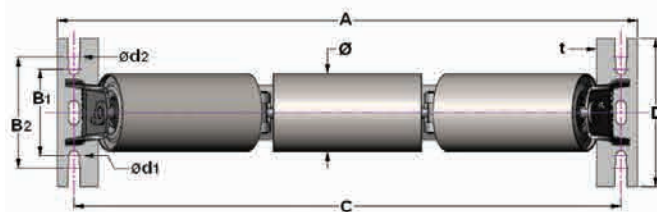


BW		A		C		G	
[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]
24	610	35.00	889.0	33.00	838.2	27.375	695.3
30	762	41.00	1041.4	39.00	990.6	33.375	847.7
36	914	47.00	1193.8	45.00	1143.0	39.375	1000.1
42	1067	53.00	1346.2	51.00	1295.4	45.375	1152.5
48	1219	59.00	1498.6	57.00	1447.8	51.375	1304.9
54	1372	65.00	1651.0	63.00	1600.2	57.375	1457.3
60	1524	71.00	1803.4	69.00	1752.6	63.375	1609.7
72	1829	83.00	2108.2	81.00	2057.4	75.375	1914.5

Ø 5" (Ø127.0 mm)										Ø 6" (Ø152.4 mm)									
BW		Drop	MODEL	H (±)		E		Weight		BW		Drop	MODEL	H (±)		E		Weight	
[in]	[mm]			[in]	[mm]	[in]	[mm]	[Lb]	[kg]	[in]	[mm]			[in]	[mm]	[in]	[mm]	[Lb]	[kg]
24	610	1-1/2"	D5-1F-24	1.00	25.4	4.00	101.6	31.6	14.35	24	610	1-1/2"	D6-1F-24	1.50	38.1	4.50	114.3	36.1	16.38
30	762		D5-1F-30	1.00	25.4	4.00	101.6	37.0	16.79	30	762		D6-1F-30	1.50	38.1	4.50	114.3	42.3	19.20
36	914		D5-1F-36	1.00	25.4	4.00	101.6	42.4	19.23	36	914		D6-1F-36	1.50	38.1	4.50	114.3	48.5	22.02
42	1067		D5-1F-42	1.00	25.4	4.00	101.6	47.7	21.66	42	1067		D6-1F-42	1.50	38.1	4.50	114.3	54.7	24.83
48	1219		D5-1F-48	1.00	25.4	4.00	101.6	53.1	24.10	48	1219		D6-1F-48	1.50	38.1	4.50	114.3	60.9	27.65
54	1372		D5-1F-54	1.00	25.4	4.00	101.6	58.5	26.54	54	1372		D6-1F-54	1.50	38.1	4.50	114.3	67.1	30.47
60	1524		D5-1F-60	1.00	25.4	4.00	101.6	63.8	28.98	60	1524		D6-1F-60	1.50	38.1	4.50	114.3	73.3	33.29
72	1829	4-1/2"	D5-1F-72	1.00	25.4	4.00	101.6	74.6	33.85	72	1829		D6-1F-72	1.50	38.1	4.50	114.3	85.7	38.92
24	610		D5-4F-24	2.00	50.8	7.00	177.8	34.1	15.49	24	610	4-1/2"	D6-4F-24	1.50	38.1	7.50	190.5	38.6	17.52
30	762		D5-4F-30	2.00	50.8	7.00	177.8	39.5	17.93	30	762		D6-4F-30	1.50	38.1	7.50	190.5	44.8	20.34
36	914		D5-4F-36	2.00	50.8	7.00	177.8	44.8	20.36	36	914		D6-4F-36	1.50	38.1	7.50	190.5	51.0	23.15
42	1067		D5-4F-42	2.00	50.8	7.00	177.8	50.2	22.80	42	1067		D6-4F-42	1.50	38.1	7.50	190.5	57.2	25.97
48	1219		D5-4F-48	2.00	50.8	7.00	177.8	55.6	25.24	48	1219		D6-4F-48	1.50	38.1	7.50	190.5	63.4	28.79
54	1372		D5-4F-54	2.00	50.8	7.00	177.8	60.9	27.67	54	1372		D6-4F-54	1.50	38.1	7.50	190.5	69.6	31.61
60	1524		D5-4F-60	2.00	50.8	7.00	177.8	66.3	30.11	60	1524		D6-4F-60	1.50	38.1	7.50	190.5	75.8	34.43
72	1829	4-1/2"	D5-4F-72	2.00	50.8	7.00	177.8	77.0	34.98	72	1829		D6-4F-72	1.50	38.1	7.50	190.5	88.2	40.06

Ø 7" (Ø177.8 mm)									
BW		Drop	MODEL	H (±)		E		Weight	
[in]	[mm]			[in]	[mm]	[in]	[mm]	[Lb]	[kg]
24	610	1-1/2"	D7-1F-24	2.00	50.8	5.00	127.0		
30	762		D7-1F-30	2.00	50.8	5.00	127.0		
36	914		D7-1F-36	2.00	50.8	5.00	127.0		
42	1067		D7-1F-42	2.00	50.8	5.00	127.0		
48	1219		D7-1F-48	2.00	50.8	5.00	127.0		
54	1372		D7-1F-54	2.00	50.8	5.00	127.0		
60	1524		D7-1F-60	2.00	50.8	5.00	127.0		
72	1829	4-1/2"	D7-1F-72	2.00	50.8	5.00	127.0		
24	610		D7-4F-24	1.00	25.4	8.00	203.2		
30	762		D7-4F-30	1.00	25.4	8.00	203.2		
36	914		D7-4F-36	1.00	25.4	8.00	203.2		
42	1067		D7-4F-42	1.00	25.4	8.00	203.2		
48	1219		D7-4F-48	1.00	25.4	8.00	203.2		
54	1372		D7-4F-54	1.00	25.4	8.00	203.2		
60	1524		D7-4F-60	1.00	25.4	8.00	203.2		
72	1829		D7-4F-72	1.00	25.4	8.00	203.2		

CEMA E - TE (TROUGHER EQUAL)

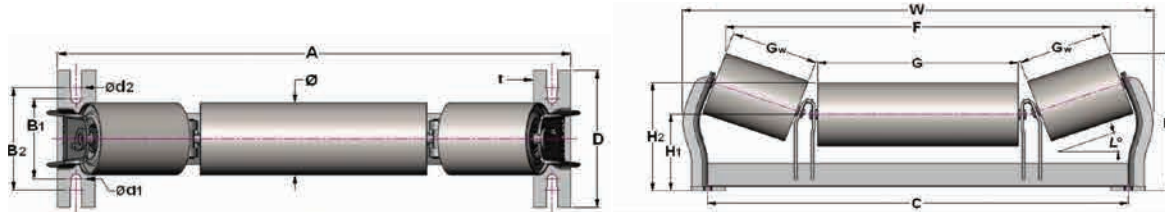


BW		A		B ₁		ød ₁		B ₂		ød ₂		C		D		G		H ₁		t	
[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]
36	914	47.50	1206.5	7.50	190.5	0.688	17.5	9.00	228.6	0.813	20.6	45.00	1143.0	12.000	304.8	13.000	330.2	7.750	196.9	0.472	12.0
42	1067	53.50	1358.9	7.50	190.5	0.688	17.5	9.00	228.6	0.813	20.6	51.00	1295.4	12.000	304.8	15.000	381.0	7.750	196.9	0.472	12.0
48	1219	59.50	1511.3	7.50	190.5	0.688	17.5	9.00	228.6	0.813	20.6	57.00	1447.8	12.000	304.8	17.750	450.9	7.750	196.9	0.472	12.0
54	1372	65.50	1663.7	7.50	190.5	0.688	17.5	9.00	228.6	0.813	20.6	63.00	1600.2	12.000	304.8	19.750	501.7	7.750	196.9	0.472	12.0
60	1524	71.50	1816.1	7.50	190.5	0.688	17.5	9.00	228.6	0.813	20.6	69.00	1752.6	12.000	304.8	21.750	552.5	7.750	196.9	0.472	12.0
66	1676	77.50	1968.5	---	----	---	----	9.00	228.6	0.813	20.6	75.00	1905.0	14.500	368.3	23.750	603.3	8.500	215.9	0.472	12.0
72	1829	83.50	2120.9	---	----	---	----	9.00	228.6	0.813	20.6	81.00	2057.4	14.500	368.3	25.750	654.1	8.500	215.9	0.472	12.0
84	2134	95.50	2425.7	---	----	---	----	9.00	228.6	0.813	20.6	93.00	2362.2	14.500	368.3	29.750	755.7	8.750	222.3	0.472	12.0
96	2438	107.50	2730.5	---	----	---	----	9.00	228.6	0.813	20.6	105.00	2667.0	14.500	368.3	33.750	857.3	8.750	222.3	0.472	12.0

		Ø 6" (Ø152.4 mm)									
BW	L	MODEL	E		F		H ₂		Weight		
[in]	[mm]		[in]	[mm]	[in]	[mm]	[in]	[mm]	[Lb]	[Kg]	
36	914	20	E6-20TE-36	15.369	390.4	39.367	999.9	10.75	273.1	131.2	59.55
42	1067		E6-20TE-42	16.052	407.7	45.143	1146.6	10.75	273.1	144.9	65.78
48	1219		E6-20TE-48	16.996	431.7	53.071	1348.0	10.75	273.1	162.0	73.54
54	1372		E6-20TE-54	17.682	449.1	58.845	1494.7	10.75	273.1	175.5	79.67
60	1524		E6-20TE-60	18.367	466.5	64.619	1641.3	10.75	273.1	189.0	85.80
66	1676		E6-20TE-66	19.802	503.0	70.393	1788.0	11.50	292.1	219.8	99.79
72	1829		E6-20TE-72	20.481	520.2	76.090	1932.7	11.50	292.1	234.4	106.40
84	2134		E6-20TE-84	22.094	561.2	87.563	2224.1	11.75	298.5	264.1	119.90
96	2438	E6-20TE-96	23.466	596.0	99.110	2517.4	11.75	298.5	293.4	133.22	
36	914	35	E6-35TE-36	18.446	468.5	35.800	909.3	10.75	273.1	135.4	61.46
42	1067		E6-35TE-42	19.595	497.7	41.091	1043.7	10.75	273.1	149.4	67.81
48	1219		E6-35TE-48	21.174	537.8	48.357	1228.3	10.75	273.1	166.9	75.79
54	1372		E6-35TE-54	22.323	567.0	53.648	1362.7	10.75	273.1	180.8	82.07
60	1524		E6-35TE-60	23.473	596.2	58.939	1497.1	10.75	273.1	194.8	88.42
66	1676		E6-35TE-66	25.372	644.4	64.230	1631.4	11.50	292.1	226.7	102.91
72	1829		E6-35TE-72	26.510	673.4	69.449	1764.0	11.50	292.1	241.8	109.77
84	2134		E6-35TE-84	29.046	737.8	79.959	2031.0	11.75	298.5	272.6	123.75
96	2438	E6-35TE-96	31.347	796.2	90.541	2299.7	11.75	298.5	302.9	137.53	
36	914	45	E6-45TE-36					10.75	273.1		
42	1067		E6-45TE-42					10.75	273.1		
48	1219		E6-45TE-48					10.75	273.1		
54	1372		E6-45TE-54					10.75	273.1		
60	1524		E6-45TE-60					10.75	273.1		
66	1676		E6-45TE-66					11.50	292.1		
72	1829		E6-45TE-72					11.50	292.1		
84	2134		E6-45TE-84					11.75	298.5		
96	2438	E6-45TE-96					11.75	298.5			

		Ø 7" (Ø177.8 mm)									
BW	L	MODEL	E		F		H ₂		Weight		
[in]	[mm]		[in]	[mm]	[in]	[mm]	[in]	[mm]	[Lb]	[Kg]	
36	914	20	E7-20TE-36	15.839	402.3	39.025	991.2	11.250	285.8	144.3	65.51
42	1067		E7-20TE-42	16.522	419.7	44.801	1137.9	11.250	285.8	159.4	72.38
48	1219		E7-20TE-48	17.466	443.6	52.729	1339.3	11.250	285.8	178.8	81.18
54	1372		E7-20TE-54	18.151	461.0	58.503	1486.0	11.250	285.8	193.9	88.05
60	1524		E7-20TE-60	18.837	478.5	64.277	1632.6	11.250	285.8	209.1	94.93
66	1676		E7-20TE-66	20.272	514.9	70.051	1779.3	12.000	304.8	241.6	109.67
72	1829		E7-20TE-72	20.951	532.2	75.748	1924.0	12.000	304.8	257.8	117.03
84	2134		E7-20TE-84	22.564	573.1	87.221	2215.4	12.250	311.2	290.8	132.01
96	2438		E7-20TE-96	23.936	608.0	98.768	2508.7	12.250	311.2	323.4	146.83
36	914	35	E7-35TE-36	18.855	478.9	35.226	894.7	11.250	285.8	148.3	67.33
42	1067		E7-35TE-42	20.005	508.1	40.517	1029.1	11.250	285.8	163.9	74.43
48	1219		E7-35TE-48	21.584	548.2	47.783	1213.7	11.250	285.8	183.8	83.43
54	1372		E7-35TE-54	22.733	577.4	53.074	1348.1	11.250	285.8	199.2	90.45
60	1524		E7-35TE-60	23.882	606.6	58.365	1482.5	11.250	285.8	214.9	97.55
66	1676		E7-35TE-66	25.782	654.9	63.656	1616.9	12.000	304.8	247.0	112.16
72	1829		E7-35TE-72	26.920	683.8	68.876	1749.5	12.000	304.8	265.2	120.39
84	2134		E7-35TE-84	29.458	748.2	79.386	2016.4	12.250	311.2	299.3	135.86
96	2438		E7-35TE-96	31.756	806.6	89.968	2285.2	12.250	311.2	332.9	151.14
36	914	45	E7-45TE-36					11.250	285.8		
42	1067		E7-45TE-42					11.250	285.8		
48	1219		E7-45TE-48					11.250	285.8		
54	1372		E7-45TE-54					11.250	285.8		
60	1524		E7-45TE-60					11.250	285.8		
66	1676		E7-45TE-66					12.000	304.8		
72	1829		E7-45TE-72					12.000	304.8		
84	2134		E7-45TE-84					12.250	311.2		
96	2438		E7-45TE-96					12.250	311.2		

Ø 8" (Ø203.2 mm)										ALL			
BW		L	MODEL	E		F		H ₂		Weight		W	
[in]	[mm]	[']		[in]	[mm]	[in]	[mm]	[in]	[mm]	[Lb]	[Kg]	[in]	[mm]
36	914	20	E8-20TE-36					11.75	298.5			***	***
42	1067		E8-20TE-42					11.75	298.5			***	***
48	1219		E8-20TE-48					11.75	298.5			61.135	1552.8
54	1372		E8-20TE-54					11.75	298.5			66.910	1699.5
60	1524		E8-20TE-60					11.75	298.5			72.686	1846.2
66	1676		E8-20TE-66					12.50	317.5			78.470	1993.1
72	1829		E8-20TE-72					12.50	317.5			84.137	2137.1
84	2134		E8-20TE-84					12.75	323.9			***	***
96	2438		E8-20TE-96					12.75	323.9			***	***
36	914	35	E8-35TE-36					11.75	298.5			***	***
42	1067		E8-35TE-42					11.75	298.5			***	***
48	1219		E8-35TE-48					11.75	298.5			60.550	1538.0
54	1372		E8-35TE-54					11.75	298.5			***	***
60	1524		E8-35TE-60					11.75	298.5			***	***
66	1676		E8-35TE-66					12.50	317.5			***	***
72	1829		E8-35TE-72					12.50	317.5			***	***
84	2134		E8-35TE-84					12.75	323.9			***	***
96	2438		E8-35TE-96					12.75	323.9			***	***
36	914	45	E8-45TE-36					11.75	298.5			***	***
42	1067		E8-45TE-42					11.75	298.5			***	***
48	1219		E8-45TE-48					11.75	298.5			***	***
54	1372		E8-45TE-54					11.75	298.5			***	***
60	1524		E8-45TE-60					11.75	298.5			***	***
66	1676		E8-45TE-66					12.50	317.5			***	***
72	1829		E8-45TE-72					12.50	317.5			***	***
84	2134		E8-45TE-84					12.75	323.9			***	***
96	2438		E8-45TE-96					12.75	323.9			***	***



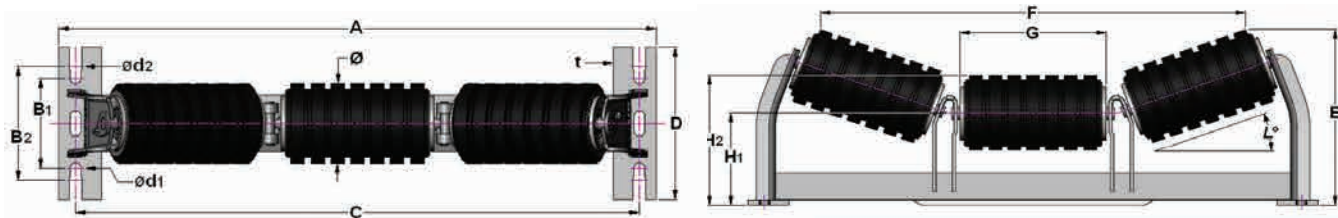
BW		A		B ₁		ø d ₁		B ₂		ø d ₂		C		D		G		G _w		H ₁		t	
[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]
36	914	47.50	1206.5	7.50	190.5	0.688	17.5	9.00	228.6	0.813	20.6	45.00	1143.0	12.00	304.8	23.75	603.3	7.50	190.5	7.75	196.9	0.472	12.0
42	1067	53.50	1358.9	7.50	190.5	0.688	17.5	9.00	228.6	0.813	20.6	51.00	1295.4	12.00	304.8	29.75	755.7	7.50	190.5	7.75	196.9	0.472	12.0
48	1219	59.50	1511.3	7.50	190.5	0.688	17.5	9.00	228.6	0.813	20.6	57.00	1447.8	12.00	304.8	33.75	857.3	9.00	228.6	7.75	196.9	0.472	12.0
54	1372	65.50	1663.7	7.50	190.5	0.688	17.5	9.00	228.6	0.813	20.6	63.00	1600.2	12.00	304.8	40.00	1016.0	9.00	228.6	7.75	196.9	0.472	12.0
60	1524	71.50	1816.1	7.50	190.5	0.688	17.5	9.00	228.6	0.813	20.6	69.00	1752.6	12.00	304.8	46.00	1168.4	9.00	228.6	7.75	196.9	0.472	12.0
66	1676	77.50	1968.5	---	---	---	---	9.00	228.6	0.813	20.6	75.00	1905.0	14.50	368.3	40.00	1016.0	15.00	381.0	8.50	215.9	0.472	12.0
72	1829	83.50	2120.9	---	---	---	---	9.00	228.6	0.813	20.6	81.00	2057.4	14.50	368.3	46.00	1168.4	15.00	381.0	8.50	215.9	0.472	12.0
84	2134	95.50	2425.7	---	---	---	---	9.00	228.6	0.813	20.6	93.00	2362.2	14.50	368.3	58.00	1473.2	15.00	381.0	8.75	222.3	0.472	12.0
96	2438	107.50	2730.5	---	---	---	---	9.00	228.6	0.813	20.6	105.00	2667.0	14.50	368.3	70.00	1778.0	15.00	381.0	8.75	222.3	0.472	12.0
102	2591	113.50	2882.9	---	---	---	---	9.00	228.6	0.813	20.6	111.00	2819.4	14.50	368.3	76.00	1930.4	15.00	381.0	8.75	222.3	0.472	12.0

Ø 6" (Ø152.4 mm)											
BW	L	MODEL	E	F	H ₂	Weight					
[in]	[mm]		[in]	[mm]	[in]	[mm]	[lb]	[kg]			
36	914	E6-20TU-36	13.48	342.5	39.81	1011.1	10.75	273.1			
42	1067	E6-20TU-42	13.48	342.5	45.75	1162.1	10.75	273.1			
48	1219	E6-20TU-48	14.00	355.5	52.58	1335.6	10.75	273.1			
54	1372	E6-20TU-54	14.00	355.5	59.00	1498.6	10.75	273.1			
60	1524	E6-20TU-60	14.00	355.5	65.03	1651.6	10.75	273.1	194.7	88.37	
66	1676	E6-20TU-66	16.80	426.8	70.30	1785.6	11.50	292.1			
72	1829	E6-20TU-72	16.80	426.8	76.32	1938.6	11.50	292.1			
84	2134	E6-20TU-84	17.05	433.1	88.29	2242.6	11.75	298.5	257.8	117.06	
96	2438	E6-20TU-96	17.05	433.1	100.30	2547.6	11.75	298.5			
102	2591	E6-20TU-102	17.05	433.1	106.32	2700.6	11.75	298.5			
36	914	E6-35TU-36	15.29	388.3	37.57	954.3	10.75	273.1			
42	1067	E6-35TU-42	15.29	388.3	43.51	1105.3	10.75	273.1			
48	1219	E6-35TU-48	16.14	410.1	49.98	1269.6	10.75	273.1			
54	1372	E6-35TU-54	16.14	410.1	56.40	1432.6	10.75	273.1			
60	1524	E6-35TU-60	16.14	410.1	62.43	1585.6	10.75	273.1			
66	1676	E6-35TU-66	20.34	516.7	66.25	1682.8	11.50	292.1			
72	1829	E6-35TU-72	20.34	516.7	72.27	1835.8	11.50	292.1			
84	2134	E6-35TU-84	20.59	523.1	84.24	2139.8	11.75	298.5			
96	2438	E6-35TU-96	20.59	523.1	96.25	2444.8	11.75	298.5			
102	2591	E6-35TU-102	20.59	523.1	102.27	2597.8	11.75	298.5			
36	914	E6-45TU-36	16.41	416.9	36.15	918.1	10.75	273.1			
42	1067	E6-45TU-42	16.41	416.9	42.09	1069.1	10.75	273.1			
48	1219	E6-45TU-48	17.47	443.8	48.23	1224.9	10.75	273.1			
54	1372	E6-45TU-54	17.47	443.8	54.64	1387.9	10.75	273.1			
60	1524	E6-45TU-60	17.47	443.8	60.67	1540.9	10.75	273.1			
66	1676	E6-45TU-66	22.47	570.8	63.14	1603.9	11.50	292.1			
72	1829	E6-45TU-72	22.47	570.8	69.17	1756.9	11.50	292.1			
84	2134	E6-45TU-84	22.72	577.2	81.14	2060.9	11.75	298.5			
96	2438	E6-45TU-96	22.72	577.2	93.14	2365.9	11.75	298.5			
102	2591	E6-45TU-102	22.72	577.2	99.17	2518.9	11.75	298.5			

Ø 7" (Ø177.8 mm)											
BW	L	MODEL	E	F	H ₂	Weight					
[in]	[mm]		[in]	[mm]	[in]	[mm]	[lb]	[kg]			
36	914	E7-20TU-36	13.95	354.4	39.47	1002.4	11.25	285.8			
42	1067	E7-20TU-42	13.95	354.4	45.41	1153.4	11.25	285.8			
48	1219	E7-20TU-48	14.47	367.4	52.24	1326.9	11.25	285.8			
54	1372	E7-20TU-54	14.47	367.4	58.66	1489.9	11.25	285.8	204.2	92.69	
60	1524	E7-20TU-60	14.47	367.4	64.68	1643.0	11.25	285.8			
66	1676	E7-20TU-66	17.27	438.7	69.96	1776.9	12.00	304.8			
72	1829	E7-20TU-72	17.27	438.7	75.98	1929.9	12.00	304.8			
84	2134	E7-20TU-84	17.52	445.1	87.95	2233.9	12.25	311.2			
96	2438	E7-20TU-96	17.52	445.1	99.96	2538.9	12.25	311.2			
102	2591	E7-20TU-102	17.52	445.1	105.98	2691.9	11.25	285.8			
36	914	E7-35TU-36	15.70	398.7	37.00	939.7	11.25	285.8			
42	1067	E7-35TU-42	15.70	398.7	42.94	1090.7	11.25	285.8			
48	1219	E7-35TU-48	16.55	420.5	49.41	1255.0	11.25	285.8			
54	1372	E7-35TU-54	16.55	420.5	55.83	1418.0	11.25	285.8			
60	1524	E7-35TU-60	16.55	420.5	61.85	1571.0	11.25	285.8			
66	1676	E7-35TU-66	20.75	527.1	65.68	1668.2	12.00	304.8			
72	1829	E7-35TU-72	20.75	527.1	71.70	1821.2	12.00	304.8			
84	2134	E7-35TU-84	21.00	533.5	83.67	2125.2	12.25	311.2			
96	2438	E7-35TU-96	21.00	533.5	95.68	2430.2	12.25	311.2			
102	2591	E7-35TU-102	21.00	533.5	101.70	2583.2	12.25	311.2			
36	914	E7-45TU-36	16.77	425.9	35.44	900.2	11.25	285.8			
42	1067	E7-45TU-42	16.77	425.9	41.38	1051.2	11.25	285.8			
48	1219	E7-45TU-48	17.83	452.8	47.52	1207.0	11.25	285.8			
54	1372	E7-45TU-54	17.83	452.8	53.94	1370.0	11.25	285.8			
60	1524	E7-45TU-60	17.83	452.8	59.96	1523.0	11.25	285.8			
66	1676	E7-45TU-66	22.83	579.8	62.44	1585.9	12.00	304.8			
72	1829	E7-45TU-72	22.83	579.8	68.46	1738.9	12.00	304.8			
84	2134	E7-45TU-84	23.08	586.2	80.43	2042.9	12.25	311.2			
96	2438	E7-45TU-96	23.08	586.2	92.44	2347.9	12.25	311.2			
102	2591	E7-45TU-102	23.08	586.2	98.46	2500.9	11.25	285.8			

			Ø 8" (Ø203.2 mm)								ALL	
BW		L	MODEL	E		F		H ₂		Weight	W	
[in]	[mm]	[ft]		[in]	[mm]	[in]	[mm]	[in]	[mm]	[lb]	[kg]	
36	914		E8-20TU-36	14.42	366.4	39.12	993.8	11.75	298.5	—	—	
42	1067		E8-20TU-42	14.42	366.4	45.07	1144.8	11.75	298.5	—	—	
48	1219		E8-20TU-48	14.94	379.4	51.90	1318.3	11.75	298.5	60.00	1524.0	
54	1372		E8-20TU-54	14.94	379.4	58.32	1481.3	11.75	298.5	67.00	1701.8	
60	1524		E8-20TU-60	14.94	379.4	64.34	1634.3	11.75	298.5	73.00	1854.2	
66	1676		E8-20TU-66	17.74	450.6	69.62	1768.2	12.50	317.5	78.00	1981.2	
72	1829		E8-20TU-72	17.74	450.6	75.64	1921.2	12.50	317.5	84.00	2133.6	
84	2134		E8-20TU-84	17.99	457.0	87.61	2225.2	12.75	323.9	96.00	2438.4	
96	2438		E8-20TU-96	17.99	457.0	99.62	2530.2	12.75	323.9	108.00	2743.2	
102	2591		E8-20TU-102	17.99	457.0	105.64	2683.2	12.75	323.9	114.00	2895.6	
36	914		E8-35TU-36	16.10	409.1	36.42	925.1	11.75	298.5	49.00	1244.4	
42	1067		E8-35TU-42	16.10	409.1	42.37	1076.1	11.75	298.5	55.00	1397.2	
48	1219		E8-35TU-48	16.96	430.9	48.84	1240.5	11.75	298.5	62.00	1574.2	
54	1372		E8-35TU-54	16.96	430.9	55.25	1403.5	11.75	298.5	68.00	1727.2	
60	1524		E8-35TU-60	16.96	430.9	61.28	1556.5	11.75	298.5	74.00	1879.2	
66	1676		E8-35TU-66	21.16	537.5	65.10	1663.6	12.50	317.5	—	—	
72	1829		E8-35TU-72	21.16	537.5	71.13	1806.6	12.50	317.5	—	—	
84	2134		E8-35TU-84	21.41	543.9	83.10	2110.6	12.75	323.9	—	—	
96	2438		E8-35TU-96	21.41	543.9	95.10	2415.6	12.75	323.9	—	—	
102	2591		E8-35TU-102	21.41	543.9	101.13	2568.6	12.75	323.9	—	—	
36	914		E8-45TU-36	17.12	434.9	34.73	882.2	11.75	298.5	50.00	1270.2	
42	1067		E8-45TU-42	17.12	434.9	40.68	1033.2	11.75	298.5	56.00	1422.2	
48	1219		E8-45TU-48	18.18	461.8	46.81	1189.1	11.75	298.5	62.00	1574.2	
54	1372		E8-45TU-54	18.18	461.8	53.23	1352.0	11.75	298.5	69.00	1752.2	
60	1524		E8-45TU-60	18.18	461.8	59.25	1505.0	11.75	298.5	75.00	1905.2	
66	1676		E8-45TU-66	23.18	588.8	61.73	1568.0	12.50	317.5	—	—	
72	1829		E8-45TU-72	23.18	588.8	67.75	1721.0	12.50	317.5	—	—	
84	2134		E8-45TU-84	23.43	595.1	79.72	2025.0	12.75	323.9	—	—	
96	2438		E8-45TU-96	23.43	595.1	91.73	2330.0	12.75	323.9	—	—	
102	2591		E8-45TU-102	23.43	595.1	97.75	2483.0	12.75	323.9	—	—	

CEMA E - TEI (TROUGHER EQUAL IMPACT)

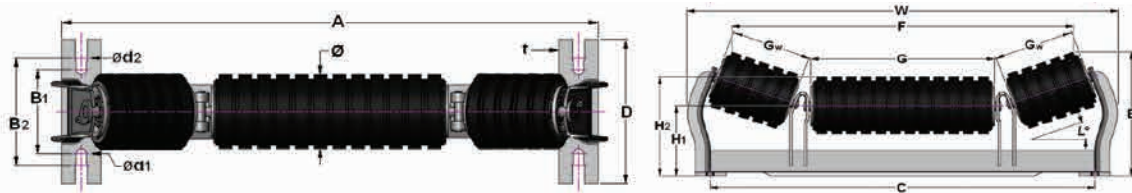


BW	A	B ₁	Ø d ₁	B ₂	Ø d ₂	C	D	G	H ₁	t
[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]
24	610	35.00	889.0	5.50	139.7	0.563	14.3	7.00	177.8	0.688
30	762	41.50	1054.1	5.50	139.7	0.563	14.3	7.00	177.8	0.688
36	914	47.50	1206.5	5.50	139.7	0.563	14.3	7.00	177.8	0.688
42	1067	53.50	1358.9	5.50	139.7	0.563	14.3	7.00	177.8	0.688
48	1219	59.50	1511.3	5.50	139.7	0.563	14.3	7.00	177.8	0.688
54	1372	65.50	1663.7	5.50	139.7	0.563	14.3	7.00	177.8	0.688
60	1524	71.50	1816.1	5.50	139.7	0.563	14.3	7.00	177.8	0.688
72	1829	83.50	2120.9	5.50	139.7	0.563	14.3	7.00	177.8	0.688

Ø 5" (Ø127.0 mm)									
BW	L	MODEL	E	F	H ₂	Weight			
[in]	[mm]		[in]	[mm]	[in]	[mm]	[Lb]	[Kg]	
24	610	D5-20TEI-24	11.481	291.6	25.938	658.8	8.50	215.9	65.5
30	762	D5-20TEI-30	12.248	311.1	32.281	819.9	8.50	215.9	76.4
36	914	D5-20TEI-36	13.044	331.3	37.286	947.1	8.75	222.3	86.0
42	1067	D5-20TEI-42	14.285	362.8	43.324	1100.4	9.25	235.0	104.3
48	1219	D5-20TEI-48	15.032	381.8	49.438	1255.7	9.25	235.0	115.5
54	1372	D5-20TEI-54	16.029	407.1	55.552	1411.0	9.50	241.3	142.1
60	1524	D5-20TEI-60	16.574	421.0	60.557	1538.1	9.50	241.3	153.4
72	1829	D5-20TEI-72	18.069	459.0	72.786	1848.8	9.50	241.3	178.7
24	610	D5-35TEI-24	13.449	341.6	23.521	597.4	8.50	215.9	67.9
30	762	D5-35TEI-30	14.736	374.3	29.323	744.8	8.50	215.9	78.7
36	914	D5-35TEI-36	15.992	406.2	34.517	876.7	8.75	222.3	88.8
42	1067	D5-35TEI-42	17.733	450.4	40.033	1016.8	9.25	235.0	107.7
48	1219	D5-35TEI-48	18.987	482.3	45.621	1158.8	9.25	235.0	119.3
54	1372	D5-35TEI-54	20.491	520.5	51.208	1300.7	9.50	241.3	146.2
60	1524	D5-35TEI-60	21.405	543.7	55.828	1418.0	9.50	241.3	157.9
72	1829	D5-35TEI-72	23.912	607.4	67.003	1701.9	9.50	241.3	183.9
24	610	D5-45TEI-24					8.50	215.9	
30	762	D5-45TEI-30					8.50	215.9	
36	914	D5-45TEI-36					8.75	222.3	
42	1067	D5-45TEI-42					9.25	235.0	
48	1219	D5-45TEI-48					9.25	235.0	
54	1372	D5-45TEI-54					9.50	241.3	
60	1524	D5-45TEI-60					9.50	241.3	
72	1829	D5-45TEI-72					9.50	241.3	

Ø 6" (Ø152.4 mm)									
BW	L	MODEL	E	F	H ₂	Weight			
[in]	[mm]		[in]	[mm]	[in]	[mm]	[Lb]	[Kg]	
24	610	D6-20TEI-24	11.951	303.6	25.596	650.1	9.00	228.6	72.9
30	762	D6-20TEI-30	12.718	323.0	31.939	811.3	9.00	228.6	84.8
36	914	D6-20TEI-36	13.514	343.3	36.944	938.4	9.25	235.0	95.5
42	1067	D6-20TEI-42	14.754	374.8	42.982	1091.7	9.75	247.7	115.8
48	1219	D6-20TEI-48	15.502	393.8	49.096	1247.0	9.75	247.7	128.3
54	1372	D6-20TEI-54	16.499	419.1	55.210	1402.3	10.00	254.0	155.7
60	1524	D6-20TEI-60	17.044	432.9	60.215	1529.5	10.00	254.0	168.1
72	1829	D6-20TEI-72	18.539	470.9	72.444	1840.1	10.00	254.0	196.1
24	610	D6-35TEI-24	13.858	352.0	22.947	582.9	9.00	228.6	74.9
30	762	D6-35TEI-30	15.146	384.7	28.750	730.3	9.00	228.6	87.1
36	914	D6-35TEI-36	16.401	416.6	33.943	862.2	9.25	235.0	98.3
42	1067	D6-35TEI-42	18.143	460.8	39.459	1002.3	9.75	247.7	119.2
48	1219	D6-35TEI-48	19.396	492.7	45.047	1144.2	9.75	247.7	132.1
54	1372	D6-35TEI-54	20.900	530.9	50.834	1286.1	10.00	254.0	159.8
60	1524	D6-35TEI-60	21.815	554.1	55.254	1403.5	10.00	254.0	172.6
72	1829	D6-35TEI-72	24.321	617.8	66.430	1687.3	10.00	254.0	201.3
24	610	D6-45TEI-24					9.00	228.6	
30	762	D6-45TEI-30					9.00	228.6	
36	914	D6-45TEI-36					9.25	235.0	
42	1067	D6-45TEI-42					9.75	247.7	
48	1219	D6-45TEI-48					9.75	247.7	
54	1372	D6-45TEI-54					10.00	254.0	
60	1524	D6-45TEI-60					10.00	254.0	
72	1829	D6-45TEI-72					10.00	254.0	

Ø 7" (Ø177.8 mm)									
BW	L	MODEL	E	F	H ₂	Weight			
[in]	[mm]		[in]	[mm]	[in]	[mm]	[Lb]	[Kg]	
24	610								
30	762								
36	914	D7-20TEI-36			9.75	247.7			
42	1067	D7-20TEI-42			10.25	260.4			
48	1219	D7-20TEI-48			10.25	260.4			
54	1372	D7-20TEI-54			10.50	266.7			
60	1524	D7-20TEI-60			10.50	266.7			
72	1829	D7-20TEI-72			10.50	266.7			
24	610								
30	762								
36	914	D7-35TEI-36			9.75	247.7			
42	1067	D7-35TEI-42			10.25	260.4			
48	1219	D7-35TEI-48			10.25	260.4			
54	1372	D7-35TEI-54			10.50	266.7			
60	1524	D7-35TEI-60			10.50	266.7			
72	1829	D7-35TEI-72			10.50	266.7			
24	610								
30	762								
36	914	D7-45TEI-36			9.75	247.7			
42	1067	D7-45TEI-42			10.25	260.4			
48	1219	D7-45TEI-48			10.25	260.4			
54	1372	D7-45TEI-54			10.50	266.7			
60	1524	D7-45TEI-60			10.50	266.7			
72	1829	D7-45TEI-72			10.50	266.7			

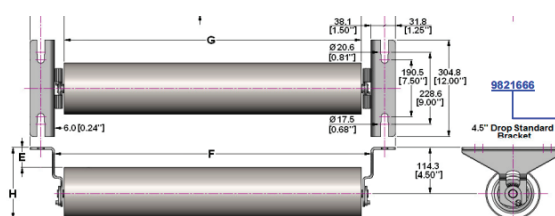
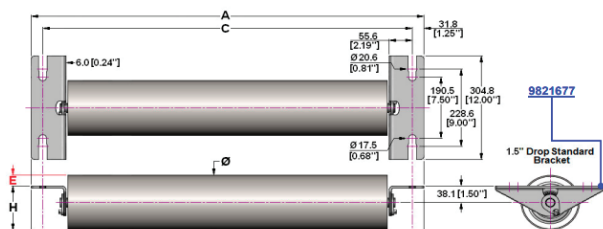


BW	A			B ₁			ø d ₁			B ₂			ø d ₂			C			D			G			G _w			H ₁			t		
[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]		
36	914	47.50	1206.5	7.50	190.5	0.688	17.5	9.00	228.6	0.813	20.6	45.00	1143.0	12.00	304.8	23.75	603.3	7.50	190.5	7.75	196.9	0.472	12.0										
42	1067	53.50	1358.9	7.50	190.5	0.688	17.5	9.00	228.6	0.813	20.6	51.00	1295.4	12.00	304.8	29.75	755.7	7.50	190.5	7.75	196.9	0.472	12.0										
48	1219	59.50	1511.3	7.50	190.5	0.688	17.5	9.00	228.6	0.813	20.6	57.00	1447.8	12.00	304.8	33.75	857.3	9.00	228.6	7.75	196.9	0.472	12.0										
54	1372	65.50	1663.7	7.50	190.5	0.688	17.5	9.00	228.6	0.813	20.6	63.00	1600.2	12.00	304.8	40.00	1016.0	9.00	228.6	7.75	196.9	0.472	12.0										
60	1524	71.50	1816.1	7.50	190.5	0.688	17.5	9.00	228.6	0.813	20.6	69.00	1752.6	12.00	304.8	46.00	1168.4	9.00	228.6	7.75	196.9	0.472	12.0										
66	1676	77.50	1968.5	---	---	---	---	9.00	228.6	0.813	20.6	75.00	1905.0	14.50	368.3	40.00	1016.0	15.00	381.0	8.50	215.9	0.472	12.0										
72	1829	83.50	2120.9	---	---	---	---	9.00	228.6	0.813	20.6	81.00	2057.4	14.50	368.3	46.00	1168.4	15.00	381.0	8.50	215.9	0.472	12.0										
84	2134	95.50	2425.7	---	---	---	---	9.00	228.6	0.813	20.6	93.00	2362.2	14.50	368.3	58.00	1473.2	15.00	381.0	8.75	222.3	0.472	12.0										
96	2438	107.50	2730.5	---	---	---	---	9.00	228.6	0.813	20.6	105.00	2667.0	14.50	368.3	70.00	1778.0	15.00	381.0	8.75	222.3	0.472	12.0										
102	2591	113.50	2882.9	---	---	---	---	9.00	228.6	0.813	20.6	111.00	2819.4	14.50	368.3	76.00	1930.4	15.00	381.0	8.75	222.3	0.472	12.0										

		Ø 6" (Ø152.4 mm)												Ø 7" (Ø177.8 mm)											
BW		L	MODEL		E		F		H ₂		Weight		BW		L	MODEL		E		F		H ₂		Weight	
[in]	[mm]	[']	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[Lb]	[Kg]	[in]	[mm]	[']	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[Lb]	[Kg]
36	914		E6-20TUI-36	13.35	339.0	39.05	991.9	10.75	273.1				36	914		E7-20TUI-36	13.82	350.9	38.71	983.2	11.25	285.8			
42	1067		E6-20TUI-42	13.35	339.0	44.99	1142.9	10.75	273.1				42	1067		E7-20TUI-42	13.82	350.9	44.65	1134.2	11.25	285.8			
48	1219		E6-20TUI-48	13.80	350.6	51.53	1308.8	10.75	273.1				48	1219		E7-20TUI-48	14.27	362.5	51.18	1300.1	11.25	285.8			
54	1372		E6-20TUI-54	13.80	350.6	57.94	1471.8	10.75	273.1				54	1372		E7-20TUI-54	14.27	362.5	57.60	1463.1	11.25	285.8	185.5	84.20	
60	1524	20	E6-20TUI-60	13.80	350.6	63.97	1624.8	10.75	273.1				60	1524	20	E7-20TUI-60	14.27	362.5	63.62	1616.1	11.25	285.8			
66	1676		E6-20TUI-66	16.59	421.5	69.15	1756.5	11.50	292.1				66	1676		E7-20TUI-66	17.06	433.4	68.81	1747.8	12.00	304.8			
72	1829		E6-20TUI-72	16.59	421.5	75.18	1909.5	11.50	292.1				72	1829		E7-20TUI-72	17.06	433.4	74.83	1900.8	12.00	304.8			
84	2134		E6-20TUI-84	16.84	427.8	87.15	2213.5	11.75	298.5				84	2134		E7-20TUI-84	17.31	439.8	86.80	2204.8	12.25	311.2			
96	2438		E6-20TUI-96	16.84	427.8	99.15	2518.5	11.75	298.5				96	2438		E7-20TUI-96	17.31	439.8	98.81	2509.8	12.25	311.2			
102	2591		E6-20TUI-102	16.84	427.8	105.18	2671.5	11.75	298.5				102	2591		E7-20TUI-102	17.31	439.8	104.83	2662.8	11.25	285.8			
36	914	35	E6-35TUI-36	15.05	382.4	36.91	937.5	10.75	273.1				36	914	35	E7-35TUI-36	15.46	392.8	36.34	922.9	11.25	285.8			
42	1067		E6-35TUI-42	15.05	382.4	42.85	1088.5	10.75	273.1				42	1067		E7-35TUI-42	15.46	392.8	42.28	1073.9	11.25	285.8			
48	1219		E6-35TUI-48	15.82	401.9	49.06	1246.2	10.75	273.1				48	1219		E7-35TUI-48	16.23	412.3	48.49	1231.6	11.25	285.8			
54	1372		E6-35TUI-54	15.82	401.9	55.48	1409.2	10.75	273.1				54	1372		E7-35TUI-54	16.23	412.3	54.91	1394.6	11.25	285.8			
60	1524		E6-35TUI-60	15.82	401.9	61.50	1562.2	10.75	273.1				60	1524		E7-35TUI-60	16.23	412.3	60.93	1547.6	11.25	285.8			
66	1676		E6-35TUI-66	19.99	507.8	65.25	1657.4	11.50	292.1				66	1676		E7-35TUI-66	20.40	518.2	64.68	1642.8	12.00	304.8			
72	1829	45	E6-35TUI-72	19.99	507.8	71.28	1810.4	11.50	292.1				72	1829	45	E7-35TUI-72	20.40	518.2	70.70	1795.8	12.00	304.8			
84	2134		E6-35TUI-84	20.24	514.2	83.24	2114.4	11.75	298.5				84	2134		E7-35TUI-84	20.65	524.6	82.67	2099.8	12.25	311.2			
96	2438		E6-35TUI-96	20.24	514.2	95.25	2419.4	11.75	298.5				96	2438		E7-35TUI-96	20.65	524.6	94.68	2404.8	12.25	311.2			
102	2591		E6-35TUI-102	20.24	514.2	101.28	2572.4	11.75	298.5				102	2591		E7-35TUI-102	20.65	524.6	100.70	2557.8	12.25	311.2			
36	914		E6-45TUI-36	16.13	409.7	35.58	903.6	10.75	273.1				36	914		E7-45TUI-36	16.48	418.6	34.87	885.7	11.25	285.8			
42	1067		E6-45TUI-42	16.13	409.7	41.52	1054.6	10.75	273.1				42	1067		E7-45TUI-42	16.48	418.6	40.81	1036.7	11.25	285.8			
48	1219	45	E6-45TUI-48	17.07	433.7	47.43	1204.7	10.75	273.1				48	1219	45	E7-45TUI-48	17.43	442.7	46.72	1186.7	11.25	285.8			
54	1372		E6-45TUI-54	17.07	433.7	53.85	1367.7	10.75	273.1				54	1372		E7-45TUI-54	17.43	442.7	53.14	1349.7	11.25	285.8			
60	1524		E6-45TUI-60	17.07	433.7	59.87	1520.7	10.75	273.1				60	1524		E7-45TUI-60	17.43	442.7	59.16	1502.7	11.25	285.8			
66	1676		E6-45TUI-66	22.04	559.9	62.28	1582.0	11.50	292.1				66	1676		E7-45TUI-66	22.40	568.9	61.57	1564.0	12.00	304.8			
72	1829		E6-45TUI-72	22.04	559.9	68.31	1735.0	11.50	292.1				72	1829		E7-45TUI-72	22.40	568.9	67.60	1717.0	12.00	304.8			
84	2134		E6-45TUI-84	22.29	566.2	80.27	2039.0	11.75	298.5				84	2134		E7-45TUI-84	22.65	575.2	79.57	2021.0	12.25	311.2			
96	2438	45	E6-45TUI-96	22.29	566.2	92.28	2344.0	11.75	298.5				96	2438	45	E7-45TUI-96	22.65	575.2	91.57	2326.0	12.25	311.2			
102	2591		E6-45TUI-102	22.29	566.2	98.31	2497.0	11.75	298.5				102	2591		E7-45TUI-102	22.65	575.2	97.60	2479.0	11.25	285.8			

Ø 8" (Ø203.2 mm)														ALL	
BW	L	MODEL	E		F		H ₂		Weight		W				
(in)	(mm)		(in)	(mm)	(in)	(mm)	(in)	(mm)	(Lb)	(KG)	(in)	(mm)			
36	914	E8-20TUI-36	14.29	362.9	38.37	974.5	11.75	298.5			---	---			
42	1067	E8-20TUI-42	14.29	362.9	44.31	1125.5	11.75	298.5			---	---			
48	1219	E8-20TUI-48	14.74	374.5	50.84	1291.4	11.75	298.5			60.00	1524.0			
54	1372	E8-20TUI-54	14.74	374.5	57.26	1454.4	11.75	298.5			67.00	1701.8			
60	1524	E8-20TUI-60	14.74	374.5	63.28	1607.4	11.75	298.5			73.00	1854.2			
66	1676	E8-20TUI-66	17.53	445.3	68.47	1739.1	12.50	317.5			78.00	1981.2			
72	1829	E8-20TUI-72	17.53	445.3	74.49	1892.1	12.50	317.5			84.00	2133.6			
84	2134	E8-20TUI-84	17.78	451.7	86.46	2196.1	12.75	323.9			96.00	2438.4			
96	2438	E8-20TUI-96	17.78	451.7	98.47	2501.1	12.75	323.9			108.00	2743.2			
102	2591	E8-20TUI-102	17.78	451.7	104.49	2654.1	12.75	323.9			114.00	2895.6			
36	914	E8-35TUI-36	15.87	403.2	35.76	908.3	11.75	298.5			49.00	1244.6			
42	1067	E8-35TUI-42	15.87	403.2	41.71	1059.3	11.75	298.5			55.00	1397.0			
48	1219	E8-35TUI-48	16.64	422.7	47.92	1217.0	11.75	298.5			62.00	1574.8			
54	1372	E8-35TUI-54	16.64	422.7	54.33	1380.0	11.75	298.5			68.00	1727.2			
60	1524	E8-35TUI-60	16.64	422.7	60.36	1533.0	11.75	298.5			74.00	1879.6			
66	1676	E8-35TUI-66	20.81	528.6	64.10	1628.2	12.50	317.5			---	---			
72	1829	E8-35TUI-72	20.81	528.6	70.13	1781.2	12.50	317.5			---	---			
84	2134	E8-35TUI-84	21.06	535.0	82.10	2085.2	12.75	323.9			---	---			
96	2438	E8-35TUI-96	21.06	535.0	94.10	2390.2	12.75	323.9			---	---			
102	2591	E8-35TUI-102	21.06	535.0	100.13	2543.2	12.75	323.9			---	---			
36	914	E8-45TUI-36	16.84	427.6	34.16	867.7	11.75	298.5			50.00	1270.0			
42	1067	E8-45TUI-42	16.84	427.6	40.11	1018.7	11.75	298.5			56.00	1422.4			
48	1219	E8-45TUI-48	17.78	451.7	46.02	1168.8	11.75	298.5			62.00	1574.8			
54	1372	E8-45TUI-54	17.78	451.7	52.43	1331.8	11.75	298.5			69.00	1752.6			
60	1524	E8-45TUI-60	17.78	451.7	58.46	1484.8	11.75	298.5			75.00	1905.0			
66	1676	E8-45TUI-66	22.75	577.8	60.87	1546.0	12.50	317.5			---	---			
72	1829	E8-45TUI-72	22.75	577.8	66.89	1699.0	12.50	317.5			---	---			
84	2134	E8-45TUI-84	23.00	584.2	78.86	2003.0	12.75	323.9			---	---			
96	2438	E8-45TUI-96	23.00	584.2	90.87	2308.0	12.75	323.9			---	---			
102	2591	E8-45TUI-102	23.00	584.2	96.89	2461.0	12.75	323.9			---	---			

CEMA E - R (RETURN IDLER)



BW		C		F		G	
[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]
36	914	45.00	1143.0	42.000	1066.8	40.000	1016.0
42	1067	51.00	1295.4	48.000	1219.2	46.000	1168.4
48	1219	57.00	1447.8	54.000	1371.6	52.000	1320.8
54	1372	63.00	1600.2	60.000	1524.0	58.000	1473.2
60	1524	69.00	1752.6	66.000	1676.4	64.000	1625.6
66	1676	75.00	1905.0	72.000	1828.8	70.000	1778.0
72	1829	81.00	2057.4	78.000	1981.2	76.000	1930.4
84	2134	93.00	2362.2	90.000	2286.0	88.000	2235.2
96	2438	105.00	2667.0	102.000	2590.8	100.000	2540.0
102	2591	111.00	2819.4	108.000	2743.2	106.000	2692.4

BW		Drop	Ø 6" (Ø152.4 mm)				Weight	
[in]	[mm]	[in]	MODEL	E	H		[Lb]	[kg]
36	914	7" (S)	E6-7RS-36	4.00	101.6	10.00	254.0	76.9
42	1067		E6-7RS-42	4.00	101.6	10.00	254.0	85.7
48	1219		E6-7RS-48	4.00	101.6	10.00	254.0	94.6
54	1372		E6-7RS-54	4.00	101.6	10.00	254.0	103.4
60	1524		E6-7RS-60	4.00	101.6	10.00	254.0	112.2
66	1676		E6-7RS-66	4.00	101.6	10.00	254.0	121.0
72	1829		E6-7RS-72	4.00	101.6	10.00	254.0	129.8
84	2134		E6-7RS-84	4.00	101.6	10.00	254.0	147.5
96	2438		E6-7RS-96	4.00	101.6	10.00	254.0	165.1
102	2591		E6-7RS-102	4.00	101.6	10.00	254.0	174.0
36	914	7"	E6-7R-36	4.00	101.6	10.00	254.0	75.6
42	1067		E6-7R-42	4.00	101.6	10.00	254.0	84.4
48	1219		E6-7R-48	4.00	101.6	10.00	254.0	93.3
54	1372		E6-7R-54	4.00	101.6	10.00	254.0	102.1
60	1524		E6-7R-60	4.00	101.6	10.00	254.0	110.9
66	1676		E6-7R-66	4.00	101.6	10.00	254.0	119.7
72	1829		E6-7R-72	4.00	101.6	10.00	254.0	128.6
84	2134		E6-7R-84	4.00	101.6	10.00	254.0	146.2
96	2438		E6-7R-96	4.00	101.6	10.00	254.0	163.8
102	2591		E6-7R-102	4.00	101.6	10.00	254.0	172.7

BW		Drop	Ø 7" (Ø177.8 mm)				Weight	
[in]	[mm]	[in]	MODEL	E	H		[Lb]	[kg]
36	914	7" (S)	E7-7RS-36	3.50	88.9	10.50	266.7	88.6
42	1067		E7-7RS-42	3.50	88.9	10.50	266.7	99.1
48	1219		E7-7RS-48	3.50	88.9	10.50	266.7	109.5
54	1372		E7-7RS-54	3.50	88.9	10.50	266.7	120.0
60	1524		E7-7RS-60	3.50	88.9	10.50	266.7	130.5
66	1676		E7-7RS-66	3.50	88.9	10.50	266.7	140.9
72	1829		E7-7RS-72	3.50	88.9	10.50	266.7	151.4
84	2134		E7-7RS-84	3.50	88.9	10.50	266.7	172.3
96	2438		E7-7RS-96	3.50	88.9	10.50	266.7	193.3
102	2591		E7-7RS-102	3.50	88.9	10.50	266.7	203.7
36	914	7"	E7-7R-36	3.50	88.9	10.50	266.7	87.3
42	1067		E7-7R-42	3.50	88.9	10.50	266.7	97.8
48	1219		E7-7R-48	3.50	88.9	10.50	266.7	108.2
54	1372		E7-7R-54	3.50	88.9	10.50	266.7	118.7
60	1524		E7-7R-60	3.50	88.9	10.50	266.7	129.2
66	1676		E7-7R-66	3.50	88.9	10.50	266.7	139.6
72	1829		E7-7R-72	3.50	88.9	10.50	266.7	150.1
84	2134		E7-7R-84	3.50	88.9	10.50	266.7	171.0
96	2438		E7-7R-96	3.50	88.9	10.50	266.7	191.9
102	2591		E7-7R-102	3.50	88.9	10.50	266.7	202.4

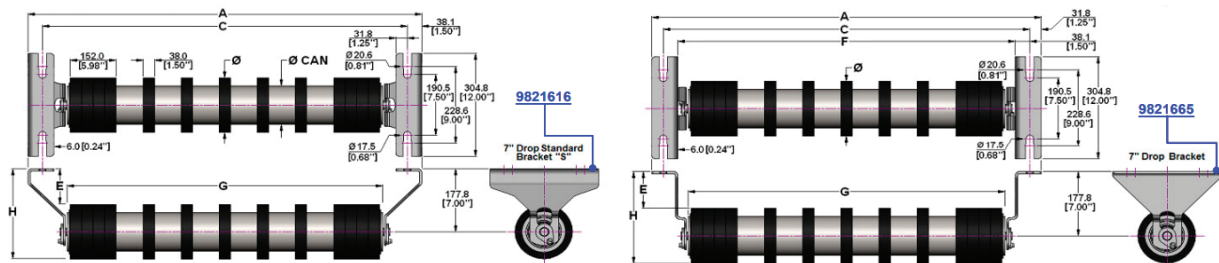
BW		Drop	Ø 8" (Ø203.2 mm)				Weight		ALL	
[in]	[mm]	[in]	MODEL	E	H		[Lb]	[kg]	[in]	[mm]
36	914	7" (S)	E8-7RS-36	3.00	76.2	11.00	279.4		48.00	1219.2
42	1067		E8-7RS-42	3.00	76.2	11.00	279.4		54.00	1371.6
48	1219		E8-7RS-48	3.00	76.2	11.00	279.4		60.00	1524.0
54	1372		E8-7RS-54	3.00	76.2	11.00	279.4		66.00	1676.4
60	1524		E8-7RS-60	3.00	76.2	11.00	279.4		72.00	1828.8
66	1676		E8-7RS-66	3.00	76.2	11.00	279.4		78.00	1981.2
72	1829		E8-7RS-72	3.00	76.2	11.00	279.4		84.00	2133.6
84	2134		E8-7RS-84	3.00	76.2	11.00	279.4		96.00	2438.4
96	2438		E8-7RS-96	3.00	76.2	11.00	279.4		108.00	2743.2
102	2591		E8-7RS-102	3.00	76.2	11.00	279.4		114.00	2895.6
36	914	7"	E8-7R-36	3.00	76.2	11.00	279.4		47.50	1206.5
42	1067		E8-7R-42	3.00	76.2	11.00	279.4		53.50	1358.9
48	1219		E8-7R-48	3.00	76.2	11.00	279.4		59.50	1511.3
54	1372		E8-7R-54	3.00	76.2	11.00	279.4		65.50	1663.7
60	1524		E8-7R-60	3.00	76.2	11.00	279.4		71.50	1816.1
66	1676		E8-7R-66	3.00	76.2	11.00	279.4		77.50	1968.5
72	1829		E8-7R-72	3.00	76.2	11.00	279.4		83.50	2120.9
84	2134		E8-7R-84	3.00	76.2	11.00	279.4		95.50	2425.7
96	2438		E8-7R-96	3.00	76.2	11.00	279.4		107.50	2730.5
102	2591		E8-7R-102	3.00	76.2	11.00	279.4		113.50	2882.9

		Ø 6" (Ø152.4 mm)					
BW	Drop	MODEL	E (±)		H		Weight
			[in]	[mm]	[in]	[mm]	
36	914	E6-1R-36	1.50	38.1	4.50	114.3	73.0 33.12
42	1067	E6-1R-42	1.50	38.1	4.50	114.3	81.8 37.13
48	1219	E6-1R-48	1.50	38.1	4.50	114.3	90.6 41.13
54	1372	E6-1R-54	1.50	38.1	4.50	114.3	99.4 45.13
60	1524	E6-1R-60	1.50	38.1	4.50	114.3	108.2 49.14
66	1676	E6-1R-66	1.50	38.1	4.50	114.3	117.1 53.15
72	1829	E6-1R-72	1.50	38.1	4.50	114.3	125.9 57.16
84	2134	E6-1R-84	1.50	38.1	4.50	114.3	143.5 65.16
96	2438	E6-1R-96	1.50	38.1	4.50	114.3	161.2 73.17
102	2591	E6-4R-102	1.50	38.1	4.50	114.3	170.0 77.18
36	914	E6-4R-36	1.50	38.1	7.50	190.5	72.8 33.06
42	1067	E6-4R-42	1.50	38.1	7.50	190.5	81.7 37.07
48	1219	E6-4R-48	1.50	38.1	7.50	190.5	90.5 41.07
54	1372	E6-4R-54	1.50	38.1	7.50	190.5	99.3 45.08
60	1524	E6-4R-60	1.50	38.1	7.50	190.5	108.1 49.09
66	1676	E6-4R-66	1.50	38.1	7.50	190.5	116.9 53.09
72	1829	E6-4R-72	1.50	38.1	7.50	190.5	125.8 57.10
84	2134	E6-4R-84	1.50	38.1	7.50	190.5	143.4 65.10
96	2438	E6-4R-96	1.50	38.1	7.50	190.5	161.0 73.11
102	2591	E6-4R-102	1.50	38.1	7.50	190.5	169.9 77.12
36	914	E6-4RS-36	1.50	38.1	7.50	190.5	75.2 34.13
42	1067	E6-4RS-42	1.50	38.1	7.50	190.5	84.0 38.14
48	1219	E6-4RS-48	1.50	38.1	7.50	190.5	92.8 42.14
54	1372	E6-4RS-54	1.50	38.1	7.50	190.5	101.6 46.14
60	1524	E6-4RS-60	1.50	38.1	7.50	190.5	110.5 50.15
66	1676	E6-4RS-66	1.50	38.1	7.50	190.5	119.3 54.15
72	1829	E6-4RS-72	1.50	38.1	7.50	190.5	128.1 58.16
84	2134	E6-4RS-84	1.50	38.1	7.50	190.5	145.7 66.16
96	2438	E6-4RS-96	1.50	38.1	7.50	190.5	163.4 74.18
102	2591	E6-4RS-102	1.50	38.1	7.50	190.5	172.2 78.19

		Ø 7" (Ø177.8 mm)					
BW	Drop	MODEL	E (±)		H		Weight
			[in]	[mm]	[in]	[mm]	
36	914	E7-1R-36	2.00	50.8	5.00	127.0	84.5 38.36
42	1067	E7-1R-42	2.00	50.8	5.00	127.0	95.1 43.19
48	1219	E7-1R-48	2.00	50.8	5.00	127.0	105.6 47.94
54	1372	E7-1R-54	2.00	50.8	5.00	127.0	116.0 52.68
60	1524	E7-1R-60	2.00	50.8	5.00	127.0	126.5 57.44
66	1676	E7-1R-66	2.00	50.8	5.00	127.0	137.0 62.19
72	1829	E7-1R-72	2.00	50.8	5.00	127.0	147.4 66.94
84	2134	E7-1R-84	2.00	50.8	5.00	127.0	168.4 76.44
96	2438	E7-1R-96	2.00	50.8	5.00	127.0	189.3 85.94
102	2591	E7-4R-102	2.00	50.8	5.00	127.0	199.8 90.70
36	914	E7-4R-36	1.00	25.4	8.00	203.2	84.5 38.35
42	1067	E7-4R-42	1.00	25.4	8.00	203.2	95.0 43.13
48	1219	E7-4R-48	1.00	25.4	8.00	203.2	105.5 47.88
54	1372	E7-4R-54	1.00	25.4	8.00	203.2	115.9 52.63
60	1524	E7-4R-60	1.00	25.4	8.00	203.2	126.4 57.38
66	1676	E7-4R-66	1.00	25.4	8.00	203.2	136.9 62.13
72	1829	E7-4R-72	1.00	25.4	8.00	203.2	147.3 66.88
84	2134	E7-4R-84	1.00	25.4	8.00	203.2	168.2 76.38
96	2438	E7-4R-96	1.00	25.4	8.00	203.2	189.2 85.88
102	2591	E7-4R-102	1.00	25.4	8.00	203.2	199.6 90.64
36	914	E7-4RS-36	1.00	25.4	8.00	203.2	86.7 39.36
42	1067	E7-4RS-42	1.00	25.4	8.00	203.2	97.4 44.20
48	1219	E7-4RS-48	1.00	25.4	8.00	203.2	107.8 48.94
54	1372	E7-4RS-54	1.00	25.4	8.00	203.2	118.3 53.69
60	1524	E7-4RS-60	1.00	25.4	8.00	203.2	128.7 58.45
66	1676	E7-4RS-66	1.00	25.4	8.00	203.2	139.2 63.19
72	1829	E7-4RS-72	1.00	25.4	8.00	203.2	149.7 67.95
84	2134	E7-4RS-84	1.00	25.4	8.00	203.2	170.6 77.44
96	2438	E7-4RS-96	1.00	25.4	8.00	203.2	191.5 86.95
102	2591	E7-4RS-102	1.00	25.4	8.00	203.2	202.0 91.70

		Ø 8" (Ø203.2 mm)						ALL	
BW	Drop	MODEL	E (±)		H		Weight	A	
			[in]	[mm]	[in]	[mm]		[in]	[mm]
36	914	E8-1R-36	2.50	63.5	5.50	139.7	47.50 1206.5		
42	1067	E8-1R-42	2.50	63.5	5.50	139.7	53.50 1358.9		
48	1219	E8-1R-48	2.50	63.5	5.50	139.7	59.50 1511.3		
54	1372	E8-1R-54	2.50	63.5	5.50	139.7	65.50 1663.7		
60	1524	E8-1R-60	2.50	63.5	5.50	139.7	71.50 1816.1		
66	1676	E8-1R-66	2.50	63.5	5.50	139.7	77.50 1968.5		
72	1829	E8-1R-72	2.50	63.5	5.50	139.7	83.50 2120.9		
84	2134	E8-1R-84	2.50	63.5	5.50	139.7	95.50 2425.7		
96	2438	E8-1R-96	2.50	63.5	5.50	139.7	107.50 2730.5		
102	2591	E8-4R-102	2.50	63.5	5.50	139.7	113.50 2882.9		
36	914	E8-4R-36	0.50	12.7	8.50	215.9	47.50 1206.5		
42	1067	E8-4R-42	0.50	12.7	8.50	215.9	53.50 1358.9		
48	1219	E8-4R-48	0.50	12.7	8.50	215.9	59.50 1511.3		
54	1372	E8-4R-54	0.50	12.7	8.50	215.9	65.50 1663.7		
60	1524	E8-4R-60	0.50	12.7	8.50	215.9	71.50 1816.1		
66	1676	E8-4R-66	0.50	12.7	8.50	215.9	77.50 1968.5		
72	1829	E8-4R-72	0.50	12.7	8.50	215.9	83.50 2120.9		
84	2134	E8-4R-84	0.50	12.7	8.50	215.9	95.50 2425.7		
96	2438	E8-4R-96	0.50	12.7	8.50	215.9	107.50 2730.5		
102	2591	E8-4R-102	0.50	12.7	8.50	215.9	113.50 2882.9		
36	914	E8-4RS-36	0.50	12.7	8.50	215.9	48.00 1219.2		
42	1067	E8-4RS-42	0.50	12.7	8.50	215.9	54.00 1371.6		
48	1219	E8-4RS-48	0.50	12.7	8.50	215.9	60.00 1524.0		
54	1372	E8-4RS-54	0.50	12.7	8.50	215.9	66.00 1676.4		
60	1524	E8-4RS-60	0.50	12.7	8.50	215.9	72.00 1828.8		
66	1676	E8-4RS-66	0.50	12.7	8.50	215.9	78.00 1981.2		
72	1829	E8-4RS-72	0.50	12.7	8.50	215.9	84.00 2133.6		
84	2134	E8-4RS-84	0.50	12.7	8.50	215.9	96.00 2438.4		
96	2438	E8-4RS-96	0.50	12.7	8.50	215.9	108.00 2743.2		
102	2591	E8-4RS-102	0.50	12.7	8.50	215.9	114.00 2895.6		

CEMA E - RRD (RETURN RUBBER DISC)

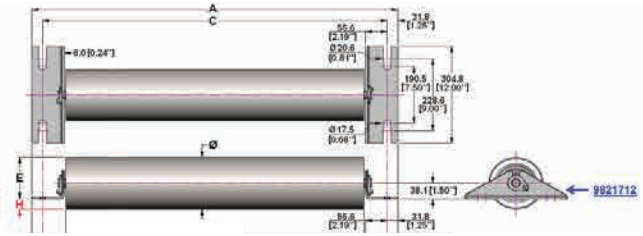
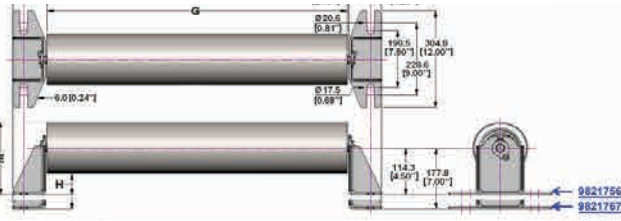


BW		C		F		G	
(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)
36	914	45.00	1143.0	42.000	1066.8	40.000	1016.0
42	1067	51.00	1295.4	48.000	1219.2	46.000	1168.4
48	1219	57.00	1447.8	54.000	1371.6	52.000	1320.8
54	1372	63.00	1600.2	60.000	1524.0	58.000	1473.2
60	1524	69.00	1752.6	66.000	1676.4	64.000	1625.6
66	1676	75.00	1905.0	72.000	1828.8	70.000	1778.0
72	1829	81.00	2057.4	78.000	1981.2	76.000	1930.4
84	2134	93.00	2362.2	90.000	2286.0	88.000	2235.2
96	2438	105.00	2667.0	102.000	2590.8	100.000	2540.0
102	2591	111.00	2819.4	108.000	2743.2	106.000	2692.4

Ø 6" (Ø152.4 mm) [CAN Ø 4.25" (Ø108 mm)]					
BW	Drop	MODEL	E	H	Weight
(in)	(mm)		(in)	(mm)	(Lb) (kg)
36	914	E6-7RRDS-36	4.00	101.6	74.6 33.88
42	1067	E6-7RRDS-42	4.00	101.6	82.7 37.53
48	1219	E6-7RRDS-48	4.00	101.6	90.7 41.17
54	1372	E6-7RRDS-54	4.00	101.6	98.7 44.82
60	1524	E6-7RRDS-60	4.00	101.6	106.8 48.47
66	1676	E6-7RRDS-66	4.00	101.6	114.8 52.11
72	1829	E6-7RRDS-72	4.00	101.6	123.7 56.15
84	2134	E6-7RRDS-84	4.00	101.6	138.9 63.05
96	2438	E6-7RRDS-96	4.00	101.6	154.9 70.34
102	2591	E6-7RRDS-102	4.00	101.6	163.0 73.99
36	914	E6-7RRD-36	4.00	101.6	73.3 33.29
42	1067	E6-7RRD-42	4.00	101.6	81.4 36.94
48	1219	E6-7RRD-48	4.00	101.6	89.4 40.59
54	1372	E6-7RRD-54	4.00	101.6	97.4 44.23
60	1524	E6-7RRD-60	4.00	101.6	105.5 47.88
66	1676	E6-7RRD-66	4.00	101.6	113.5 51.52
72	1829	E6-7RRD-72	4.00	101.6	121.5 55.17
84	2134	E6-7RRD-84	4.00	101.6	137.6 62.46
96	2438	E6-7RRD-96	4.00	101.6	153.6 69.75
102	2591	E6-7RRD-102	4.00	101.6	161.7 73.41

Ø 7" (Ø177.8 mm) [CAN Ø 5.24" (Ø133 mm)]					
BW	Drop	MODEL	E	H	Weight
(in)	(mm)		(in)	(mm)	(Lb) (kg)
36	914	E7-7RRDS-36	3.50	88.9	10.50 266.7 84.2 38.23
42	1067	E7-7RRDS-42	3.50	88.9	10.50 266.7 93.4 42.39
48	1219	E7-7RRDS-48	3.50	88.9	10.50 266.7 102.5 46.53
54	1372	E7-7RRDS-54	3.50	88.9	10.50 266.7 111.6 50.68
60	1524	E7-7RRDS-60	3.50	88.9	10.50 266.7 120.8 54.83
66	1676	E7-7RRDS-66	3.50	88.9	10.50 266.7 132.1 59.98
72	1829	E7-7RRDS-72	3.50	88.9	10.50 266.7 139.1 63.13
84	2134	E7-7RRDS-84	3.50	88.9	10.50 266.7 157.3 71.42
96	2438	E7-7RRDS-96	3.50	88.9	10.50 266.7 175.6 79.72
102	2591	E7-7RRDS-102	3.50	88.9	10.50 266.7 184.8 83.88
36	914	E7-7RRD-36	3.50	88.9	10.50 266.7 82.9 37.64
42	1067	E7-7RRD-42	3.50	88.9	10.50 266.7 92.1 41.80
48	1219	E7-7RRD-48	3.50	88.9	10.50 266.7 101.2 45.94
54	1372	E7-7RRD-54	3.50	88.9	10.50 266.7 110.3 50.09
60	1524	E7-7RRD-60	3.50	88.9	10.50 266.7 119.5 54.24
66	1676	E7-7RRD-66	3.50	88.9	10.50 266.7 128.6 58.39
72	1829	E7-7RRD-72	3.50	88.9	10.50 266.7 137.8 62.54
84	2134	E7-7RRD-84	3.50	88.9	10.50 266.7 156.0 70.83
96	2438	E7-7RRD-96	3.50	88.9	10.50 266.7 174.3 79.13
102	2591	E7-7RRD-102	3.50	88.9	10.50 266.7 183.5 83.29

Ø 8" (Ø203.2 mm) [CAN Ø 6.26" (Ø159 mm)]						ALL	
BW	Drop	MODEL	E	H	Weight	A	
(in)	(mm)		(in)	(mm)	(Lb) (kg)	(in)	(mm)
36	914	E8-7RRDS-36	3.00	76.2	11.00 279.4	48.00	1219.2
42	1067	E8-7RRDS-42	3.00	76.2	11.00 279.4	54.00	1371.6
48	1219	E8-7RRDS-48	3.00	76.2	11.00 279.4	60.00	1524.0
54	1372	E8-7RRDS-54	3.00	76.2	11.00 279.4	66.00	1676.4
60	1524	E8-7RRDS-60	3.00	76.2	11.00 279.4	72.00	1828.8
66	1676	E8-7RRDS-66	3.00	76.2	11.00 279.4	78.00	1981.2
72	1829	E8-7RRDS-72	3.00	76.2	11.00 279.4	84.00	2133.6
84	2134	E8-7RRDS-84	3.00	76.2	11.00 279.4	96.00	2438.4
96	2438	E8-7RRDS-96	3.00	76.2	11.00 279.4	108.00	2743.2
102	2591	E8-7RRDS-102	3.00	76.2	11.00 279.4	114.00	2895.6
36	914	E8-7RRD-36	3.00	76.2	11.00 279.4	47.50	1206.5
42	1067	E8-7RRD-42	3.00	76.2	11.00 279.4	53.50	1358.9
48	1219	E8-7RRD-48	3.00	76.2	11.00 279.4	59.50	1511.3
54	1372	E8-7RRD-54	3.00	76.2	11.00 279.4	65.50	1663.7
60	1524	E8-7RRD-60	3.00	76.2	11.00 279.4	71.50	1816.1
66	1676	E8-7RRD-66	3.00	76.2	11.00 279.4	77.50	1968.5
72	1829	E8-7RRD-72	3.00	76.2	11.00 279.4	83.50	2120.9
84	2134	E8-7RRD-84	3.00	76.2	11.00 279.4	95.50	2425.7
96	2438	E8-7RRD-96	3.00	76.2	11.00 279.4	107.50	2730.5
102	2591	E8-7RRD-102	3.00	76.2	11.00 279.4	113.50	2882.9



BW		A		C		G	
[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]
36	914	47.50	1206.5	45.00	1143.0	40.000	1016.0
42	1067	53.50	1358.9	51.00	1295.4	46.000	1168.4
48	1219	59.50	1511.3	57.00	1447.8	52.000	1320.8
54	1372	65.50	1663.7	63.00	1600.2	58.000	1473.2
60	1524	71.50	1816.1	69.00	1752.6	64.000	1625.6
66	1676	77.50	1968.5	75.00	1905.0	70.000	1778.0
72	1829	83.50	2120.9	81.00	2057.4	76.000	1930.4
84	2134	95.50	2425.7	93.00	2362.2	88.000	2235.2
96	2438	107.50	2730.5	105.00	2667.0	100.000	2540.0
102	2591	113.50	2882.9	111.00	2819.4	106.000	2692.4

BW		Drop	Ø 6" (Ø152.4 mm)			
[in]	[mm]		MODEL	H (±)	E	Weight
		[in]		[in] [mm]	[in] [mm]	[Lb] [kg]
36	914	1-1/2"	E6-1F-36	1.50	38.1	72.5
42	1067		E6-1F-42	1.50	38.1	81.3
48	1219		E6-1F-48	1.50	38.1	90.1
54	1372		E6-1F-54	1.50	38.1	98.9
60	1524		E6-1F-60	1.50	38.1	107.8
66	1676		E6-1F-66	1.50	38.1	116.6
72	1829		E6-1F-72	1.50	38.1	125.4
84	2134		E6-1F-84	1.50	38.1	143.0
96	2438		E6-1F-96	1.50	38.1	160.7
102	2591		E6-4F-102	1.50	38.1	169.5
36	914	4-1/2"	E6-4F-36	1.50	38.1	75.2
42	1067		E6-4F-42	1.50	38.1	84.0
48	1219		E6-4F-48	1.50	38.1	92.8
54	1372		E6-4F-54	1.50	38.1	101.7
60	1524		E6-4F-60	1.50	38.1	110.5
66	1676		E6-4F-66	1.50	38.1	119.3
72	1829		E6-4F-72	1.50	38.1	128.1
84	2134		E6-4F-84	1.50	38.1	145.8
96	2438		E6-4F-96	1.50	38.1	163.4
102	2591		E6-4F-102	1.50	38.1	172.2
36	914	7"	E6-7F-36	4.00	101.6	78.3
42	1067		E6-7F-42	4.00	101.6	87.1
48	1219		E6-7F-48	4.00	101.6	95.9
54	1372		E6-7F-54	4.00	101.6	104.8
60	1524		E6-7F-60	4.00	101.6	113.6
66	1676		E6-7F-66	4.00	101.6	122.4
72	1829		E6-7F-72	4.00	101.6	131.2
84	2134		E6-7F-84	4.00	101.6	148.9
96	2438		E6-7F-96	4.00	101.6	166.5
102	2591		E6-7F-102	4.00	101.6	175.3

BW		Drop	Ø 7" (Ø177.8 mm)			
[in]	[mm]		MODEL	H (±)	E	Weight
		[in]		[in] [mm]	[in] [mm]	[Lb] [kg]
36	914	1-1/2"	E7-1F-36	2.00	50.8	84.2
42	1067		E7-1F-42	2.00	50.8	94.6
48	1219		E7-1F-48	2.00	50.8	105.1
54	1372		E7-1F-54	2.00	50.8	115.6
60	1524		E7-1F-60	2.00	50.8	126.0
66	1676		E7-1F-66	2.00	50.8	136.5
72	1829		E7-1F-72	2.00	50.8	147.0
84	2134		E7-1F-84	2.00	50.8	167.9
96	2438		E7-1F-96	2.00	50.8	188.8
102	2591		E7-4F-102	2.00	50.8	199.3
36	914	4-1/2"	E7-4F-36	1.00	25.4	87.0
42	1067		E7-4F-42	1.00	25.4	97.4
48	1219		E7-4F-48	1.00	25.4	107.9
54	1372		E7-4F-54	1.00	25.4	118.3
60	1524		E7-4F-60	1.00	25.4	128.8
66	1676		E7-4F-66	1.00	25.4	139.3
72	1829		E7-4F-72	1.00	25.4	149.8
84	2134		E7-4F-84	1.00	25.4	170.6
96	2438		E7-4F-96	1.00	25.4	191.5
102	2591		E7-4F-102	1.00	25.4	202.0
36	914	7"	E7-7F-36	3.50	88.9	90.0
42	1067		E7-7F-42	3.50	88.9	100.5
48	1219		E7-7F-48	3.50	88.9	110.9
54	1372		E7-7F-54	3.50	88.9	121.4
60	1524		E7-7F-60	3.50	88.9	131.9
66	1676		E7-7F-66	3.50	88.9	142.3
72	1829		E7-7F-72	3.50	88.9	152.8
84	2134		E7-7F-84	3.50	88.9	173.7
96	2438		E7-7F-96	3.50	88.9	194.6
102	2591		E7-7F-102	3.50	88.9	205.1

BW		Drop	Ø 8" (Ø203.2 mm)			
[in]	[mm]		MODEL	H (±)	E	Weight
		[in]		[in] [mm]	[in] [mm]	[Lb] [kg]
36	914	1-1/2"	E8-1F-36	2.50	63.5	139.7
42	1067		E8-1F-42	2.50	63.5	159.7
48	1219		E8-1F-48	2.50	63.5	179.7
54	1372		E8-1F-54	2.50	63.5	199.7
60	1524		E8-1F-60	2.50	63.5	219.7
66	1676		E8-1F-66	2.50	63.5	239.7
72	1829		E8-1F-72	2.50	63.5	259.7
84	2134		E8-1F-84	2.50	63.5	279.7
96	2438		E8-1F-96	2.50	63.5	299.7
102	2591		E8-4F-102	2.50	63.5	319.7
36	914	4-1/2"	E8-4F-36	0.50	12.7	215.9
42	1067		E8-4F-42	0.50	12.7	215.9
48	1219		E8-4F-48	0.50	12.7	215.9
54	1372		E8-4F-54	0.50	12.7	215.9
60	1524		E8-4F-60	0.50	12.7	215.9
66	1676		E8-4F-66	0.50	12.7	215.9
72	1829		E8-4F-72	0.50	12.7	215.9
84	2134		E8-4F-84	0.50	12.7	215.9
96	2438		E8-4F-96	0.50	12.7	215.9
102	2591		E8-4F-102	0.50	12.7	215.9
36	914	7"	E8-7F-36	3.00	76.2	279.4
42	1067		E8-7F-42	3.00	76.2	279.4
48	1219		E8-7F-48	3.00	76.2	279.4
54	1372		E8-7F-54	3.00	76.2	279.4
60	1524		E8-7F-60	3.00	76.2	279.4
66	1676		E8-7F-66	3.00	76.2	279.4
72	1829		E8-7F-72	3.00	76.2	279.4
84	2134		E8-7F-84	3.00	76.2	279.4
96	2438		E8-7F-96	3.00	76.2	279.4
102	2591		E8-7F-102	3.00	76.2	279.4



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