



AGGREGATE

EQUIPMENT SALES

Conveyor Components



Aggregate Equipment Sales (AES) is your specialist in conveyor equipment wear parts. We have built a strong reputation based on trust, quality, and service, and our repeat customer ratio reflects our performance. Our goal is to continually add value to our customers by offering select, relevant new products designed to maximize productivity and efficiency.

Idlers

Our idlers are available in different styles, including troughing, return, impact, training, channel mount, and picking styles, to accommodate a variety of belt widths for various applications. They are also designed to be interchangeable with idlers from other manufacturers.

These idlers are equipped with "Sealed for Life" bearings that prevent dust and contaminants from entering the bearing cavity, reducing the need for maintenance.

The idlers meet the dimensional criteria and load ratings set by the Conveyor Equipment Manufacturers Association (CEMA), and we offer:

- 4-inch CEMA "B"
- 4, 5, and 6-inch CEMA "C"
- 6-inch CEMA "D"

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- **Rugged self-cleaning welded steel frame**
 - **Broached shaft to add frame stability**
 - **Stamped center and end brackets recessed end disk eliminating roll-to-end disc separation**
 - **Precision ground lifetime greased ball bearings with positive lip contact seals**
 - **Heavy-duty center and end stands**
 - **Precision deep drawn bearing housing**

Idlers

Parts Number Guide

Here's a guide to understanding the part number system when ordering replacement idlers for your conveyor. If you need assistance with your order, contact a sales representative.

C4TI-35-42

C	4	TI	-	35	-	42
CEMA Rating	Roll Diameter	Idler Type		Troughing Angle		Belt Width

Parts Number Guide:

- CEMA Rating – B, C, or D
- Roll Diameter – 4, 5, or 6 inches (102, 127, or 152 mm)
- Idler Type – See list
- Troughing Angle – 20, 35, or 45 degrees
- Belt Width – 18, 24, 30, 36, 42, 48, 54, and 60 inches (457, 610, 762, 914, 1,067, 1,219, 1,372, and 1,524 mm)

Idler Types

- T - Troughing Idler
- TI - Impact Troughing Idler
- TT - Self-Aligning Troughing Idler
- R - Return Idler
- RC - Self-Cleaning Return Idler





CEMA B - 4" (102 mm) Idlers

Steel Return Idlers

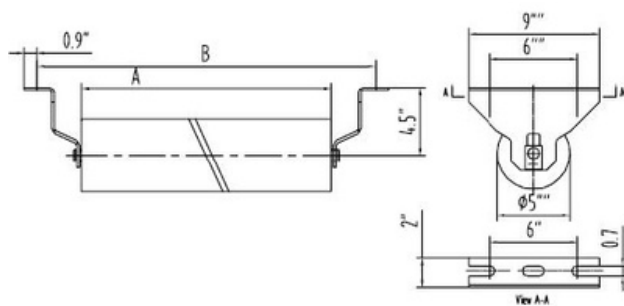
Steel Troughing Idlers

Idlers CEMA B - 4" (102 mm)

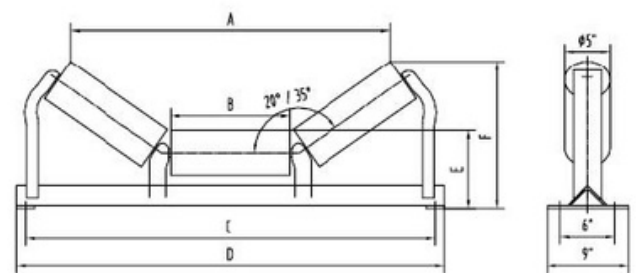
Steel Return Idlers: 4" (102 mm) Diameter

Belt Width		Part	Weight		A		B	
in	mm		lb	kg	in	mm	in	mm
18	457	B4R-18	15	7	21	533	27	686
24	610	B4R-24	18	8	27	686	33	838
30	762	B4R-30	23	10	33	838	39	991
36	914	B4R-36	24	11	39	991	45	1143

Return Idlers



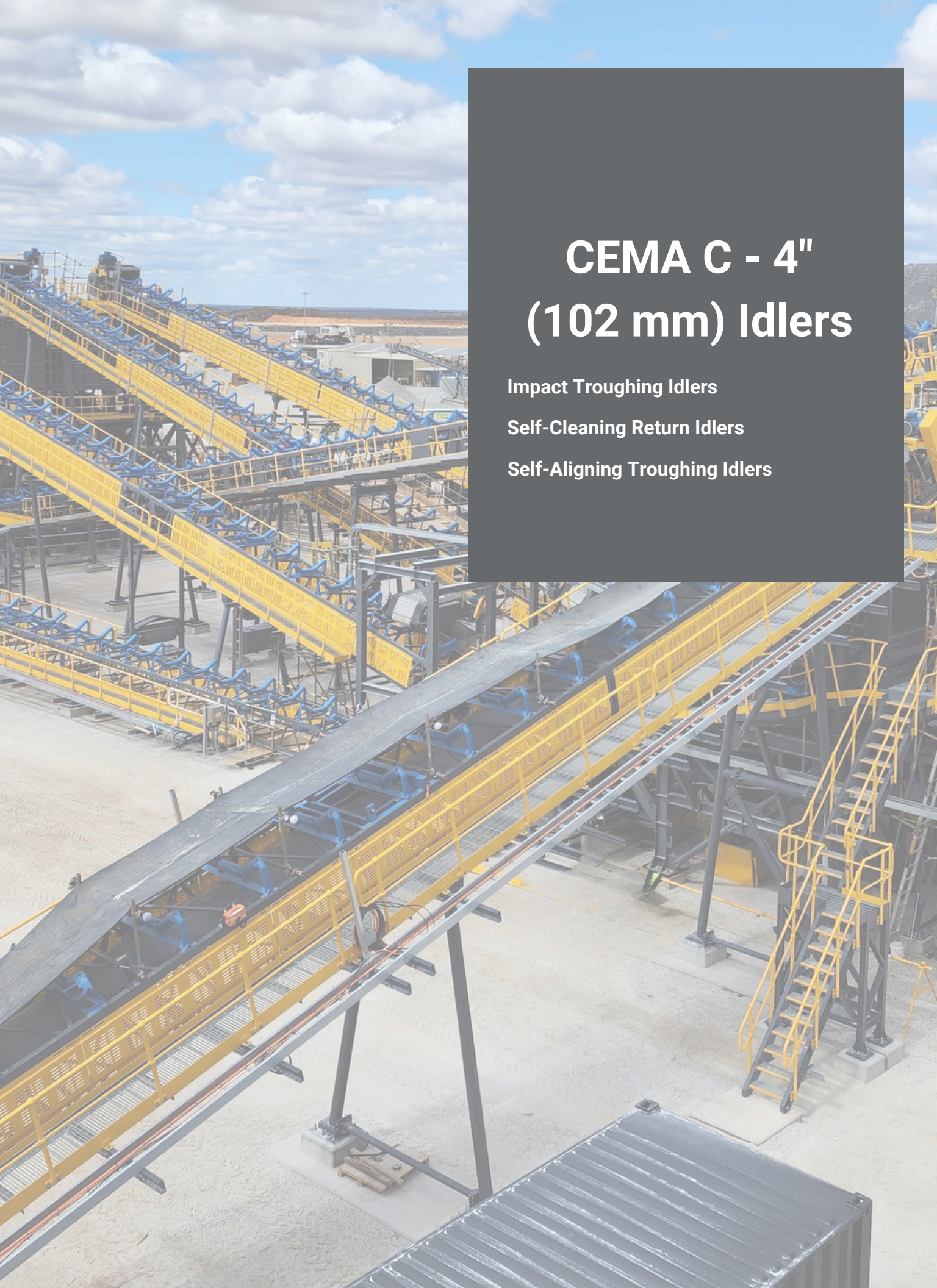
Troughing Idlers



Steel Troughing Idlers: 4" (102 mm) Diameter

	Belt Width		Part	Weight		A		B		C		D		E		F	
	in	mm		lb	kg	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
20 degrees	18	457	B4T-20-18	29	13	21.33	541	7	178	27	686	29	737	7.13	181	9.625	244
	24	610	B4T-20-24	34	15	27.20	691	9	229	33	838	35	889	7.13	181	10.37	264
	30	762	B4T-20-30	37	17	33.20	843	11	279	39	991	41	1041	7.13	181	11	279
	36	914	B4T-20-36	44	20	39.11	992	13	330	45	1143	47	1194	7.13	181	11.75	298
35 degrees	18	457	B4T-35-18	30	14	19.13	486	7	178	27	686	29	737	7.13	181	11.25	286
	24	610	B4T-35-24	35	16	24.50	622	9	229	33	838	35	889	7.13	181	12.5	318
	30	762	B4T-35-30	39	18	30.11	764	11	279	39	991	41	1041	7.13	181	13.62	346
	36	914	B4T-35-36	45	20	35.44	900	13	330	45	1143	47	1194	7.13	181	14.75	375





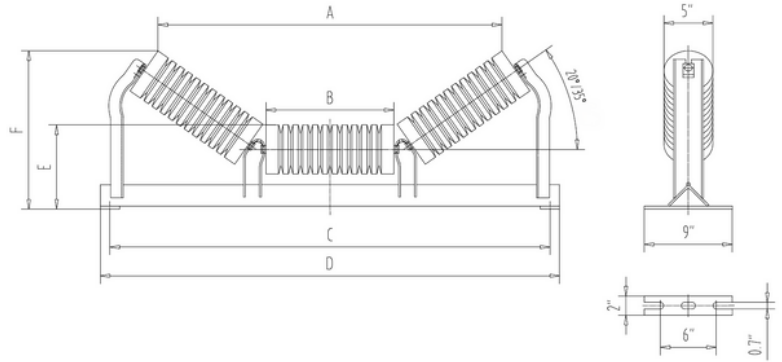
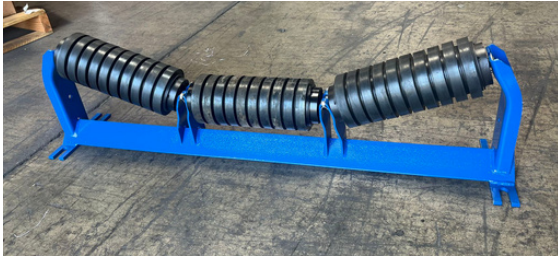
CEMA C - 4" (102 mm) Idlers

Impact Troughing Idlers

Self-Cleaning Return Idlers

Self-Aligning Troughing Idlers

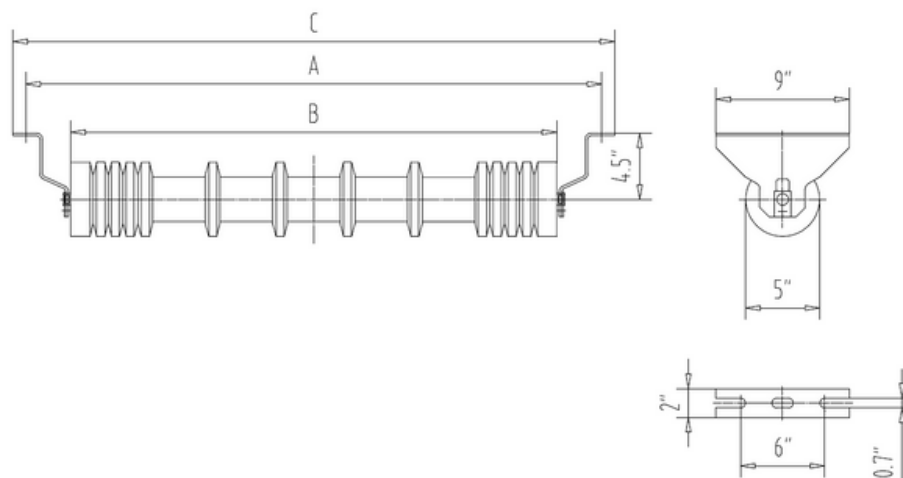
Idlers CEMA C - 4" (102 mm)



Impact Troughing Idlers: 4" (102 mm) Diameter

	Belt Width		Part	Weight		A		B		C		D		E		F		G		H		J		K	
	in	mm		lb	kg	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
20 degrees	18	457	C4TI-20-18	36	16	27	686	7.81	198	7.13	181	20.94	532	1/5	5	10.13	257	29	737	6	152	8	203	1/2	13
	24	610	C4TI-20-24	44	20	33	838	7.94	202	9.13	232	26.69	678	5/16	8	10.94	278	35	889	6	152	9 1/2	241	5/8	16
	30	762	C4TI-20-30	54	24	39	991	7.94	202	11.13	283	32.50	826	5/16	8	11.31	287	41	1,041	6	152	9 1/2	241	5/8	16
	36	914	C4TI-20-36	69	31	45	1,143	7.94	202	13.13	333	38.31	973	5/16	8	12.31	313	47	1,194	6	152	9 1/2	241	5/8	16
	42	1,067	C4TI-20-42	86	39	51	1,295	8.31	211	15.13	384	44.06	1,119	5/16	8	13.38	340	53	1,346	7 1/2	191	9 1/2	241	5/8	16
	48	1,219	C4TI-20-48	94	43	57	1,448	8.31	211	17.13	435	49.81	1,265	5/16	8	14.06	357	59	1,499	7 1/2	191	9 1/2	241	5/8	16
	54	1,372	C4TI-20-54	114	52	63	1,600	8.75	222	19.13	486	55.63	1,413	3/8	10	15.19	386	65.5	1,664	9	229	11	279	5/8	16
	60	1,524	C4TI-20-60	123	56	69	1,753	8.75	222	21.13	537	61.38	1,559	3/8	10	15.88	403	71.5	1,816	9	229	11	279	5/8	16
35 degrees	18	457	C4TI-35-18	37	17	27	686	7.81	198	7.13	181	18.94	481	1/5	5	11.69	297	29	737	6	152	8	203	1/2	13
	24	610	C4TI-35-24	46	21	33	838	7.94	202	9.13	232	24.19	614	5/16	8	13.00	330	35	889	6	152	9 1/2	241	5/8	16
	30	762	C4TI-35-35	56	25	39	991	7.94	202	11.13	283	29.50	749	5/16	8	14.19	360	41	1,041	6	152	9 1/2	241	5/8	16
	36	914	C4TI-35-36	71	32	45	1,143	7.94	202	13.13	333	34.81	884	5/16	8	15.31	389	47	1,194	6	152	9 1/2	241	5/8	16
	42	1,067	C4TI-35-42	89	40	51	1,295	8.31	211	15.13	384	40.13	1,019	5/16	8	16.81	427	53	1,346	7 1/2	191	9 1/2	241	5/8	16
	48	1,219	C4TI-35-48	98	44	57	1,448	8.31	211	17.13	435	45.38	1,153	5/16	8	18.00	457	59	1,499	7 1/2	191	9 1/2	241	5/8	16
	54	1,372	C4TI-35-54	118	54	63	1,600	8.75	222	19.13	486	50.69	1,287	3/8	10	19.56	497	65.5	1,664	9	229	11	279	5/8	16
	60	1,524	C4TI-35-60	127	58	69	1,753	8.75	222	21.13	537	55.94	1,421	3/8	10	20.69	525	71.5	1,816	9	229	11	279	5/8	16

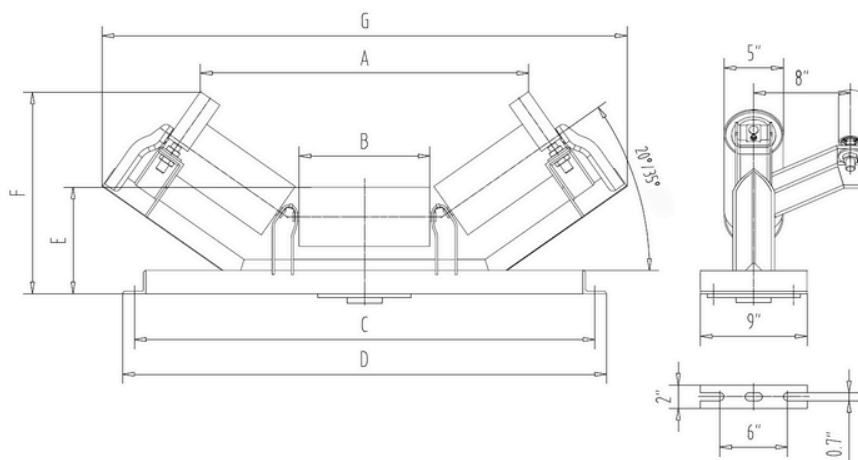
Idlers CEMA C - 4" (102 mm)



Self-Cleaning Return Idlers: 4" (102 mm) Diameter

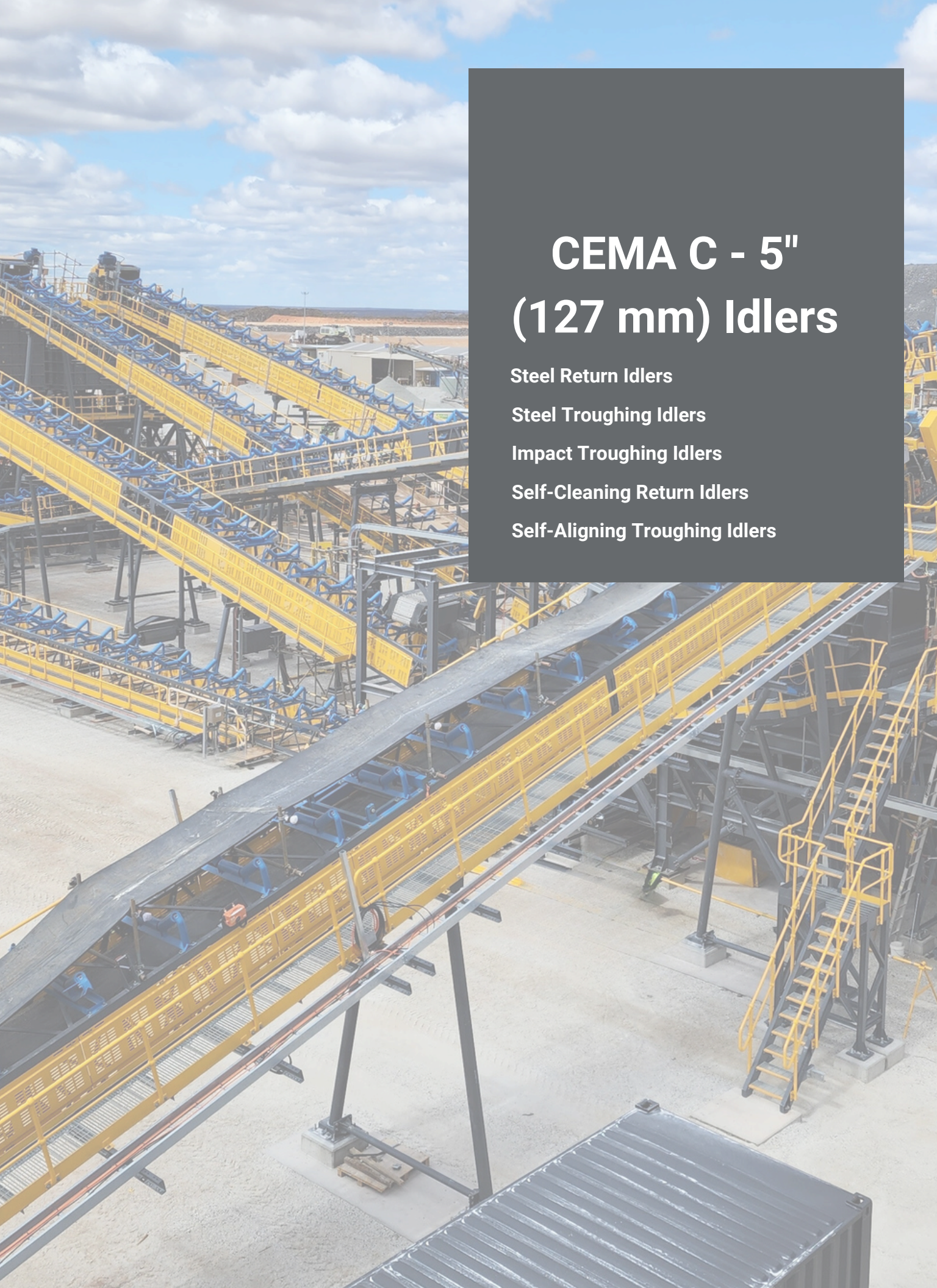
Belt Width		Part	Weight		A		B		C	
in	mm		lb	kg	in	mm	in	mm	in	mm
18	457	C4RC-18	20	9	27	686	21 5/16	541	28 7/16	722
20	508	C4RC-20	22	10	29	737	23 5/16	592	30 7/16	773
24	610	C4RC-24	25	11	33	838	27 5/16	694	34 7/16	875
30	762	C4RC-30	29	13	39	991	33 5/16	846	40 7/16	1,027
36	914	C4RC-36	34	15	45	1,143	39 5/16	999	46 7/16	1,180
42	1,067	C4RC-42	38	17	51	1,295	45 5/16	1,151	52 7/16	1,332
48	1,219	C4RC-48	42	19	57	1,448	51 5/16	1,303	58 7/16	1,484
54	1,372	C4RC-54	50	23	63	1,600	57 5/16	1,456	64 7/16	1,637
60	1,524	C4RC-60	55	25	69	1,753	63 5/16	1,608	70 7/16	1,789

Idlers CEMA C - 4" (102 mm)



Self-Aligning Troughing Idlers: 4" (102 mm) Diameter

	Belt Width		Part	Weight		A		B		C		D		E		F		G		H		J		K		L	
	in	mm		lb	kg	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
20 degrees	18	457	C4TT-20-18	80	36	27	686	8.38	213	7	178	23.18	589	31	787	11.68	297	29	737	6	152	8	203	1/2	12.7	3/16	5
	24	610	C4TT-20-24	91	41	33	838	8.5	216	9	229	28.93	735	36.75	933	11.87	301	35	889	6	152	9 1/2	241	1/2	12.7	5/16	8
	30	762	C4TT-20-30	100	45	39	991	8.5	216	11	279	34.68	881	42.56	1,081	12.56	319	41	1,041	6	152	9 1/2	241	1/2	12.7	5/16	8
	36	914	C4TT-20-36	109	49	45	1,143	8.5	216	13	330	40.43	1,027	48.31	1,227	13.25	337	47	1,194	6	152	9 1/2	241	1/2	12.7	5/16	8
	42	1,067	C4TT-20-42	123	56	51	1,295	9	229	15	381	46	1,168	54.18	1,376	14.43	367	53	1,346	7.5	191	9 1/2	241	5/8	16	5/16	8
	48	1,219	C4TT-20-48	133	60	57	1,448	9	229	17	432	51.75	1,314	60	1,524	15.12	384	59	1,499	7.5	191	9 1/2	241	5/8	16	5/16	8
	54	1,372	C4TT-20-54	145	66	63	1,600	9.06	230	19	483	57.50	1,461	65.75	1,670	15.87	403	65.5	1,664	9	229	11	279	5/8	16	3/8	10
	60	1,524	C4TT-20-60	155	70	69	1,753	9.06	230	21	533	63.31	1,608	71.5	1,816	16.56	421	71.5	1,816	9	229	11	279	5/8	16	3/8	10
35 degrees	18	457	C4TT-35-18	81	37	27	686	8.38	213	7	178	20.25	514	30.37	771	29.00	737	29	737	6	152	8	203	1/2	12.7	3/16	5
	24	610	C4TT-35-24	91	41	33	838	8.5	216	9	229	25.56	649	35.68	906	35.00	889	35	889	6	152	9 1/2	241	1/2	12.7	5/16	8
	30	762	C4TT-35-30	101	46	39	991	8.5	216	11	279	30.81	783	40.93	1,040	41.00	1,041	41	1,041	6	152	9 1/2	241	1/2	12.7	5/16	8
	36	914	C4TT-35-36	110	50	45	1,143	8.5	216	13	330	36.06	916	46.25	1,175	47.00	1,194	47	1,194	6	152	9 1/2	241	1/2	12.7	5/16	8
	42	1,067	C4TT-35-42	123	56	51	1,295	9	229	15	381	41.06	1,043	51.18	1,300	53.00	1,346	53	1,346	7.5	191	9 1/2	241	5/8	16	5/16	8
	48	1,219	C4TT-35-48	133	60	57	1,448	9	229	17	432	46.31	1,176	56.5	1,435	59.00	1,499	59	1,499	7.5	191	9 1/2	241	5/8	16	5/16	8
	54	1,372	C4TT-35-54	145	66	63	1,600	9.06	230	19	483	51.62	1,311	61.75	1,568	65.50	1,664	65.5	1,664	9	229	11	279	5/8	16	3/8	10
	60	1,524	C4TT-35-60	156	71	69	1,753	9.06	230	21	533	56.87	1,444	67	1,702	71.50	1,816	71.5	1,816	9	229	11	279	5/8	16	3/8	10



CEMA C - 5" (127 mm) Idlers

Steel Return Idlers

Steel Troughing Idlers

Impact Troughing Idlers

Self-Cleaning Return Idlers

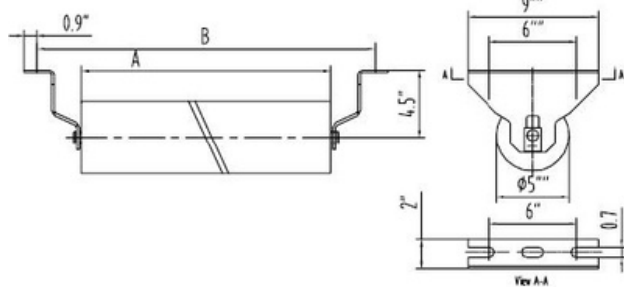
Self-Aligning Troughing Idlers

Idlers CEMA C - 5" (127 mm)

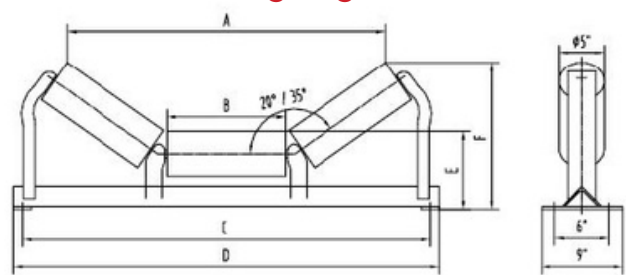
Steel Return Idlers: 5" (127 mm) Diameter

Belt Width		Part	Weight		A		B	
in	mm		lb	kg	in	mm	in	mm
18	457	C5R-18	20	9.1	22	559	27	686
24	610	C5R-24	24	10.9	27	686	33	838
30	762	C5R-30	28	12.7	33	838	39	991
36	914	C5R-36	32	14.5	39	991	45	1143
42	1067	C5R-42	36	16.3	45	1143	51	1295
48	1219	C5R-48	40	18.1	51	1295	57	1448
54	1372	C5R-54	44	20	57	1448	63	1600
60	1524	C5R-60	48	21.8	63	1600	69	1753

Return Idlers



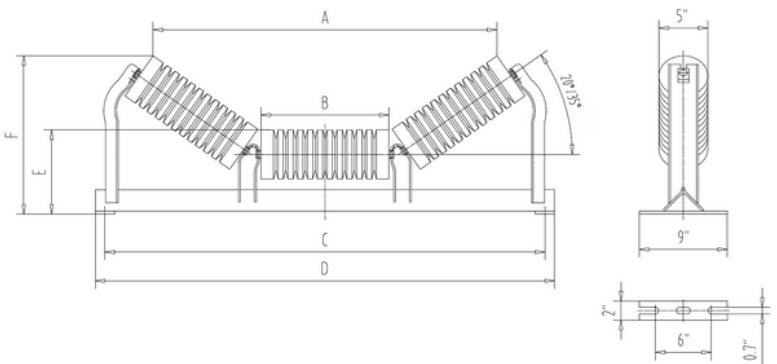
Troughing Idlers



Steel Troughing Idlers: 5" (127 mm) Diameter

	Belt Width		Part	Weight		A		B		C		D		E		F	
	in	mm		lb	kg	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
20 degrees	18	457	C5T-20-18	39	18	21.3	541	7	178	27	686	29	737	8.3	210	10.8	274
	24	610	C5T-20-24	43	20	27.13	689	9	229	33	838	35	889	8.4	213	11.5	292
	30	762	C5T-20-30	52	24	32.13	816	11	279	39	991	41	1041	8.6	217	12.5	318
	36	914	C5T-20-36	57	26	38.13	968	13	330	45	1143	47	1194	8.6	217	13.1	333
	42	1,067	C5T-20-42	64	29	45.38	1153	15	381	51	1295	53	1346	8.6	217	14	356
	48	1,219	C5T-20-48	70	32	52	1321	17	432	57	1448	59	1499	8.6	217	14.9	378
	54	1,372	C5T-20-54	77	35	55.75	1416	19	483	63	1600	65	1651	8.6	219	15.3	387
	60	1,524	C5T-20-60	81	37	63.63	1616	22	559	69	1753	71	1803	8.6	219	16.1	410
35 degrees	18	457	C5T-35-18	42	19	19.13	486	7	178	27	686	29	737	8.3	210	12.4	315
	24	610	C5T-35-24	46	21	24.5	622	9	229	33	838	35	889	8.4	213	13.5	343
	30	762	C5T-35-30	53	24	29.9	759	11	279	39	991	41	1041	8.6	217	15	381
	36	914	C5T-35-36	58	26	35.1	892	13	330	45	1143	47	1194	8.6	217	16.1	410
	42	1,067	C5T-35-42	68	31	41.4	1051	15	381	51	1295	53	1346	8.6	217	17.5	445
	48	1,219	C5T-35-48	75	34	45.8	1163	17	432	57	1448	59	1499	8.6	217	18.8	476
	54	1,372	C5T-35-54	81	37	51.25	1302	19	483	63	1600	65	1651	8.6	219	19.5	495
	60	1,524	C5T-35-60	86	39	58	1473	22	559	69	1753	71	1803	8.6	219	21.1	537

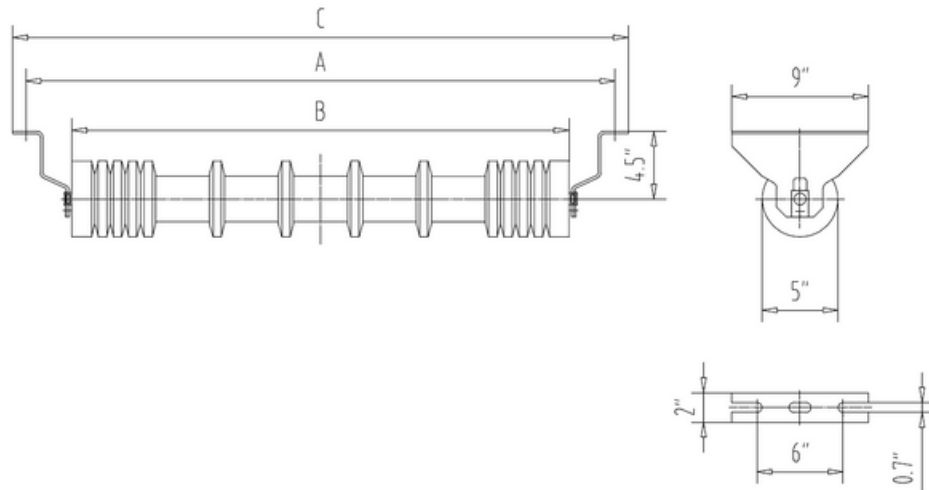
Idlers CEMA C - 5" (127 mm)



Impact Troughing Idlers: 5" (127 mm) Diameter

	Belt Width		Part	Weight		A		B		C		D		E		F		G		H		J		K	
	in	mm		lb	kg	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
20 degrees	18	457	C5TI-20-18	40	18	27	686	8.31	211	7.06	179	20.87	530	3/16	5	10.62	270	29	737	6	152	8	203	1/2	12.7
	24	610	C5TI-20-24	50	23	33	838	8.44	214	9.68	246	26.62	676	5/16	8	11.43	290	35	889	6	152	9 1/2	241	5/8	16
	30	762	C5TI-20-30	61	28	39	991	8.44	214	11.06	281	32.31	821	5/16	8	12.18	309	41	1,041	6	152	9 1/2	241	5/8	16
	36	914	C5TI-20-36	77	35	45	1,143	8.44	214	13.06	332	38.06	967	5/16	8	12.87	327	47	1,194	6	152	9 1/2	241	5/8	16
	42	1,067	C5TI-20-42	95	43	51	1,295	8.81	224	15.06	383	43.81	1,113	5/16	8	13.93	354	53	1,346	7.5	191	9 1/2	241	5/8	16
	48	1,219	C5TI-20-48	105	48	57	1,448	8.81	224	17.06	433	49.56	1,259	5/16	8	14.62	371	59	1,499	7.5	191	9 1/2	241	5/8	16
	54	1,372	C5TI-20-54	124	56	63	1,600	9.25	235	19.06	484	56.18	1,427	3/8	10	15.75	400	65.5	1,664	9	229	11	279	5/8	16
	60	1,524	C5TI-20-60	136	62	69	1,753	9.25	235	21.06	535	61.93	1,573	3/8	10	16.43	417	71.5	1,816	9	229	11	279	5/8	16
35 degrees	18	457	C5TI-35-18	42	19	27	686	8.31	211	7.06	179	18.56	471	3/16	5	12.18	309	29	737	6	152	8	203	1/2	13
	24	610	C5TI-35-24	52	24	33	838	8.44	214	9.68	246	23.81	605	5/16	8	13.43	341	35	889	6	152	9 1/2	241	5/8	16
	30	762	C5TI-35-30	63	29	39	991	8.44	214	11.06	281	29.06	738	5/16	8	14.62	371	41	1,041	6	152	9 1/2	241	5/8	16
	36	914	C5TI-35-36	79	36	45	1,143	8.44	214	13.06	332	34.37	873	5/16	8	15.75	400	47	1,194	6	152	9 1/2	241	5/8	16
	42	1,067	C5TI-35-42	100	45	51	1,295	8.81	224	15.06	383	39.62	1,006	5/16	8	17.31	440	53	1,346	7.5	191	9 1/2	241	5/8	16
	48	1,219	C5TI-35-48	110	50	57	1,448	8.81	224	17.06	433	44.87	1,140	5/16	8	18.43	468	59	1,499	7.5	191	9 1/2	241	5/8	16
	54	1,372	C5TI-35-54	128	58	63	1,600	9.25	235	19.06	484	50.81	1,291	3/8	10	20.12	511	65.5	1,664	9	229	11	279	5/8	16
	60	1,524	C5TI-35-60	140	64	69	1,753	9.25	235	21.06	535	56.12	1,425	3/8	10	21.25	540	71.5	1,816	9	229	11	279	5/8	16

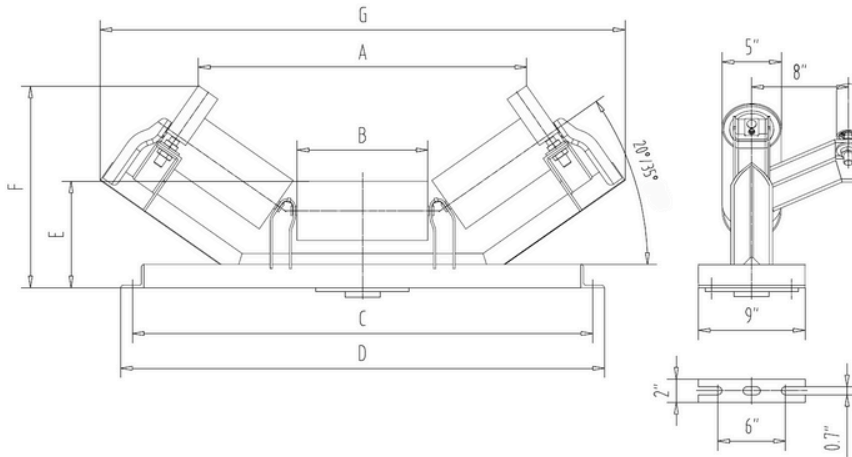
Idlers CEMA C - 5" (127 mm)



Self-Cleaning Return Idlers: 5" (127 mm) Diameter

Belt Width		Part	Weight		A		B		C	
in	mm		lb	kg	in	mm	in	mm	in	mm
18	457	C5RC-18	23	10	27	686	21 5/16	541	28 7/16	722
20	508	C5RC-20	25	11	29	737	23 5/16	592	30 7/16	773
24	610	C5RC-24	28	13	33	838	27 5/16	694	34 7/16	875
30	762	C5RC-30	32	15	39	991	33 5/16	846	40 7/16	1,027
36	914	C5RC-36	37	17	45	1,143	39 5/16	999	46 7/16	1,180
42	1,067	C5RC-42	42	19	51	1,295	45 5/16	1,151	52 7/16	1,332
48	1,219	C5RC-48	46	21	57	1,448	51 5/16	1,303	58 7/16	1,484
54	1,372	C5RC-54	54	24	63	1,600	57 5/16	1,456	64 7/16	1,637
60	1,524	C5RC-60	60	27	69	1,753	63 5/16	1,608	70 7/16	1,789

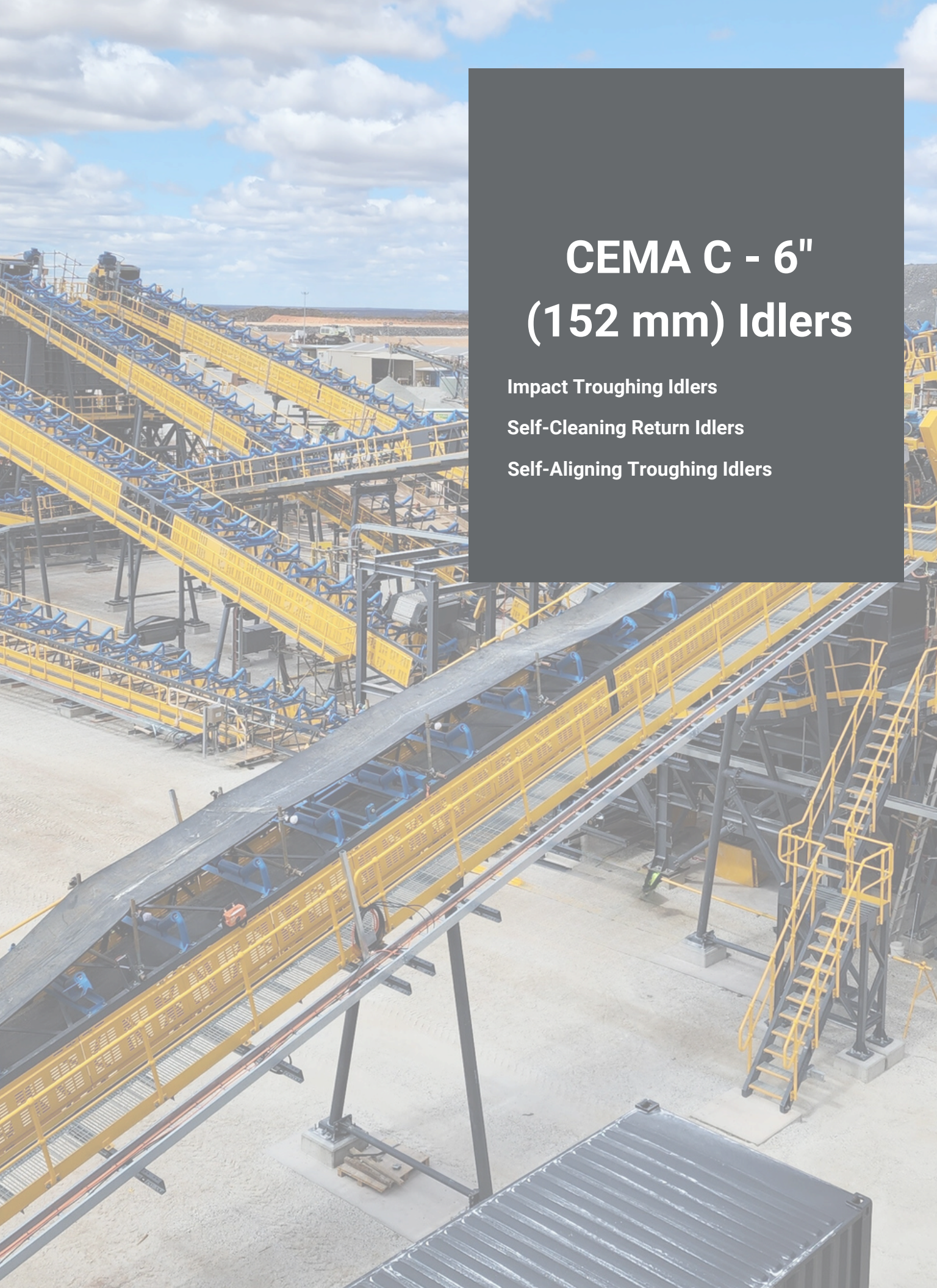
Idlers CEMA C - 5" (127 mm)



Self-Aligning Troughing Idlers: 5" (127 mm) Diameter

	Belt Width		Part	Weight		A		B		C		D		E		F		G		H		J		K		L	
	in	mm		lb	kg	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
20 degrees	18	457	C5TT-20-18	86	39	27	686	8.87	225	7.06	179	22.87	581	31	787	11.56	294	29	737	6	152	8	203	1/2	12.7	3/16	5
	24	610	C5TT-20-24	98	44	33	838	9	229	9.06	230	28.62	727	36.75	933	12.37	314	35	889	6	152	9 1/2	241	1/2	12.7	5/16	8
	30	762	C5TT-20-30	109	49	39	991	9	229	11.06	281	34.37	873	42.56	1,081	13.06	332	41	1,041	6	152	9 1/2	241	1/2	12.7	5/16	8
	36	914	C5TT-20-36	120	54	45	1,143	9	229	13.06	332	40.12	1,019	48.31	1,227	13.75	349	47	1,194	6	152	9 1/2	241	1/2	12.7	5/16	8
	42	1,067	C5TT-20-42	134	61	51	1,295	9.5	241	15.06	383	45.75	1,162	54.18	1,376	14.93	379	53	1,346	7.5	191	9 1/2	241	5/8	16	5/16	8
	48	1,219	C5TT-20-48	146	66	57	1,448	9.5	241	17.06	433	51.5	1,308	60	1,524	15.62	397	59	1,499	7.5	191	9 1/2	241	5/8	16	5/16	8
	54	1,372	C5TT-20-54	160	73	63	1,600	9.56	243	19.06	484	57.25	1,454	65.75	1,670	16.37	416	65.5	1,664	9	229	11	279	5/8	16	3/8	10
	60	1,524	C5TT-20-60	171	78	69	1,753	9.56	243	21.06	535	63	1,600	71.5	1,816	17.06	433	71.5	1,816	9	229	11	279	5/8	16	3/8	10
35 degrees	18	457	C5TT-35-18	87	39	27	686	8.87	225	7	179	13.12	333	30.37	771	13.12	333	29	737	6	152	8	203	1/2	12.7	3/16	5
	24	610	C5TT-35-24	98	44	33	838	9	229	9.06	230	14.43	367	35.68	906	14.43	367	35	889	6	152	9 1/2	241	1/2	12.7	5/16	8
	30	762	C5TT-35-30	109	49	39	991	9	229	11.06	281	15.56	395	40.93	1,040	15.56	395	41	1,041	6	152	9 1/2	241	1/2	12.7	5/16	8
	36	914	C5TT-35-36	120	54	45	1,143	9	229	13.06	332	16.68	424	46.25	1,175	16.68	424	47	1,194	6	152	9 1/2	241	1/2	12.7	5/16	8
	42	1,067	C5TT-35-42	135	61	51	1,295	9.5	241	15.06	383	18.37	467	51.18	1,300	18.37	467	53	1,346	7.5	191	9 1/2	241	5/8	16	5/16	8
	48	1,219	C5TT-35-48	146	66	57	1,448	9.5	241	17.06	433	19.5	495	56.5	1,435	19.5	495	59	1,499	7.5	191	9 1/2	241	5/8	16	5/16	8
	54	1,372	C5TT-35-54	160	73	63	1,600	9.56	243	19.06	484	20.68	525	61.75	1,568	20.68	525	65.5	1,664	9	229	11	279	5/8	16	3/8	10
	60	1,524	C5TT-35-60	171	78	69	1,753	9.56	243	21.06	535	21.87	555	67	1,702	21.87	555	71.5	1,816	9	229	11	279	5/8	16	3/8	10





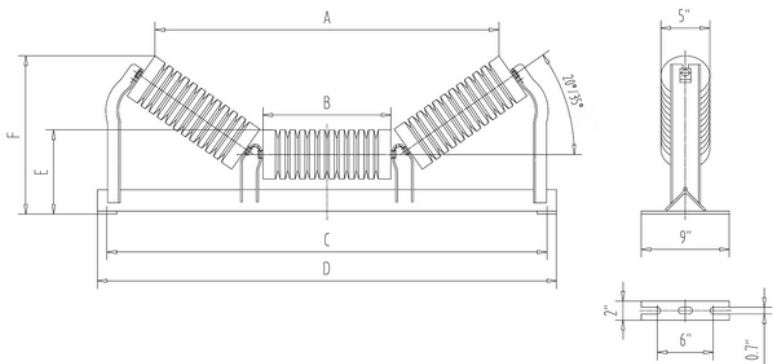
CEMA C - 6" (152 mm) Idlers

Impact Troughing Idlers

Self-Cleaning Return Idlers

Self-Aligning Troughing Idlers

Idlers CEMA C - 6" (152 mm)



Impact Troughing Idlers: 6" (152 mm) Diameter

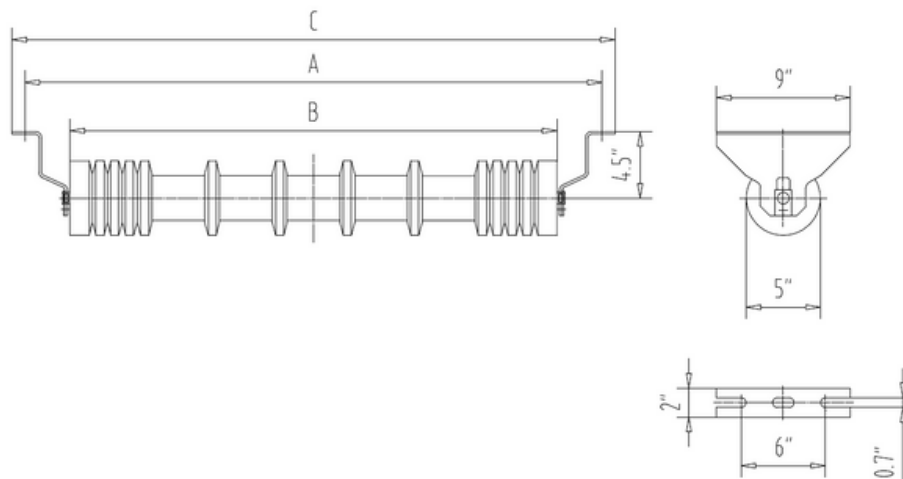
20 degrees

Belt Width		Part	Weight		A		B		C		D		E		F		G		H		J		K	
			lb	kg	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
18	457	C6TI-20-18	46	21	27	686	8.94	227	7.06	179	20.87	530	3/16	5	10.62	270	29	737	6	152	8	203	1/2	12.7
24	610	C6TI-20-24	57	26	33	838	8.94	227	9.68	246	26.62	676	5/16	8	11.43	290	35	889	6	152	9 1/2	241	5/8	16
30	762	C6TI-20-30	71	32	39	991	8.94	227	11.06	281	32.31	821	5/16	8	12.18	309	41	1,041	6	152	9 1/2	241	5/8	16
36	914	C6TI-20-36	88	40	45	1,143	8.94	227	13.06	332	38.06	967	5/16	8	12.87	327	47	1,194	6	152	9 1/2	241	5/8	16
42	1,067	C6TI-20-42	108	49	51	1,295	9.31	236	15.06	383	43.81	1,113	5/16	8	13.93	354	53	1,346	7.5	191	9 1/2	241	5/8	16
48	1,219	C6TI-20-48	119	54	57	1,448	9.31	236	17.06	433	49.56	1,259	5/16	8	14.62	371	59	1,499	7.5	191	9 1/2	241	5/8	16
54	1,372	C6TI-20-54	141	64	63	1,600	9.75	248	19.06	484	56.18	1,427	3/8	10	15.75	400	65.5	1,664	9	229	11	279	5/8	16
60	1,524	C6TI-20-60	155	70	69	1,753	9.75	248	21.06	535	61.93	1,573	3/8	10	16.43	417	71.5	1,816	9	229	11	279	5/8	16

35 degrees

18	457	C6TI-35-18	48	22	27	686	8.94	227	7.06	179	18.56	471	3/16	5	12.18	309	29	737	6	152	8	203	1/2	13
24	610	C6TI-35-24	59	27	33	838	8.94	227	9.68	246	23.81	605	5/16	8	13.43	341	35	889	6	152	9 1/2	241	5/8	16
30	762	C6TI-35-35	73	33	39	991	8.94	227	11.06	281	29.06	738	5/16	8	14.62	371	41	1,041	6	152	9 1/2	241	5/8	16
36	914	C6TI-35-36	90	41	45	1,143	8.94	227	13.06	332	34.37	873	5/16	8	15.75	400	47	1,194	6	152	9 1/2	241	5/8	16
42	1,067	C6TI-35-42	112	51	51	1,295	9.31	236	15.06	383	39.62	1,006	5/16	8	17.31	440	53	1,346	7.5	191	9 1/2	241	5/8	16
48	1,219	C6TI-35-48	124	56	57	1,448	9.31	236	17.06	433	44.87	1,140	5/16	8	18.43	468	59	1,499	7.5	191	9 1/2	241	5/8	16
54	1,372	C6TI-35-54	142	64	63	1,600	9.75	248	19.06	484	50.81	1,291	3/8	10	20.12	511	65.5	1,664	9	229	11	279	5/8	16
60	1,524	C6TI-35-60	144	65	69	1,753	9.75	248	21.06	535	56.12	1,425	3/8	10	21.25	540	71.5	1,816	9	229	11	279	5/8	16

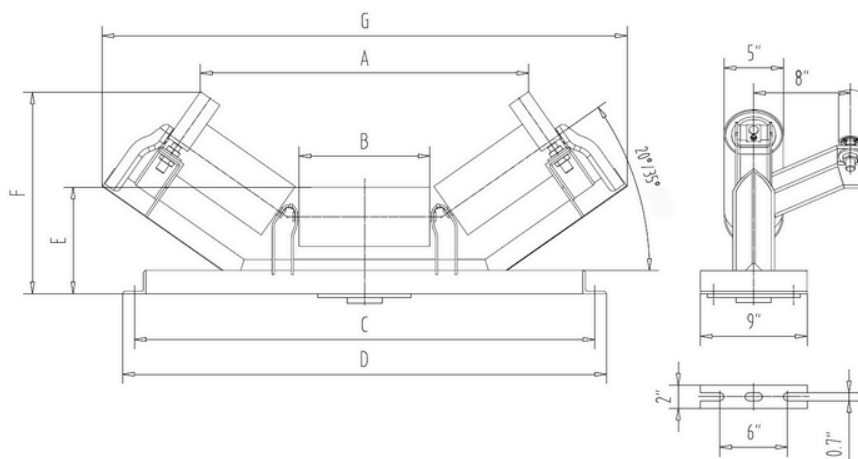
Idlers CEMA C - 6" (152 mm)



Self-Cleaning Return Idlers: 6" (152 mm) Diameter

Belt Width		Part	Weight		A		B		C	
in	mm		lb	kg	in	mm	in	mm	in	mm
18	457	C6RC-18	26	12	27	686	21 5/16	541	28 7/16	722
20	508	C6RC-20	29	13	29	737	23 5/16	592	30 7/16	773
24	610	C6RC-24	32	15	33	838	27 5/16	694	34 7/16	875
30	762	C6RC-30	37	17	39	991	33 5/16	846	40 7/16	1,027
36	914	C6RC-36	43	20	45	1,143	39 5/16	999	46 7/16	1,180
42	1,067	C6RC-42	47	21	51	1,295	45 5/16	1,151	52 7/16	1,332
48	1,219	C6RC-48	51	23	57	1,448	51 5/16	1,303	58 7/16	1,484
54	1,372	C6RC-54	60	27	63	1,600	57 5/16	1,456	64 7/16	1,637
60	1,524	C6RC-60	66	30	69	1,753	63 5/16	1,608	70 7/16	1,789

Idlers CEMA C - 6" (152 mm)



Self-Aligning Troughing Idlers: 6" (152 mm) Diameter

20 degrees

Belt Width		Part	Weight		A		B		C		D		E		F		G		H		J		K		L	
in	mm		lb	kg	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
18	457	C6TT-20-18	94	43	27	686	9.37	238	7	178	22.56	573	31	787	12	305	29	737	6	152	8	203	1/2	12.7	3/16	5
24	610	C6TT-20-24	108	49	33	838	9.5	241	9	229	28.31	719	36.75	933	12.81	325	35	889	6	152	9 1/2	241	1/2	12.7	5/16	8
30	762	C6TT-20-30	121	55	39	991	9.5	241	11	279	31.06	789	42.56	1,081	13.5	343	41	1,041	6	152	9 1/2	241	1/2	12.7	5/16	8
36	914	C6TT-20-36	134	61	45	1,143	9.5	241	13	330	39.81	1,011	48.31	1,227	14.18	360	47	1,194	6	152	9 1/2	241	1/2	12.7	5/16	8
42	1,067	C6TT-20-42	150	68	51	1,295	10	254	15	381	45.37	1,152	54.18	1,376	15.37	390	53	1,346	7.5	191	9 1/2	241	5/8	16	5/16	8
48	1,219	C6TT-20-48	163	74	57	1,448	10	254	17	432	51.12	1,298	60	1,524	16.06	408	59	1,499	7.5	191	9 1/2	241	5/8	16	5/16	8
54	1,372	C6TT-20-54	179	81	63	1,600	10.06	256	19	483	56.93	1,446	65.75	1,670	16.81	427	65.5	1,664	9	229	11	279	5/8	16	3/8	10
60	1,524	C6TT-20-60	192	87	69	1,753	10.06	256	21	533	62.68	1,592	71.5	1,816	17.5	445	71.5	1,816	9	229	11	279	5/8	16	3/8	10

35 degrees

18	457	C6TT-35-18	94	43	27	686	9.37	238	7	178	19.18	487	30.37	771	13.56	344	29	737	6	152	8	203	1/2	12.7	3/16	5
24	610	C6TT-35-24	109	49	33	838	9.5	241	9	229	24.5	622	35.68	906	14.81	376	35	889	6	152	9 1/2	241	1/2	12.7	5/16	8
30	762	C6TT-35-30	122	55	39	991	9.5	241	11	279	29.75	756	40.93	1,040	15.93	405	41	1,041	6	152	9 1/2	241	1/2	12.7	5/16	8
36	914	C6TT-35-36	134	61	45	1,143	9.5	241	13	330	35.06	891	46.25	1,175	17.12	435	47	1,194	6	152	9 1/2	241	1/2	12.7	5/16	8
42	1,067	C6TT-35-42	151	68	51	1,295	10	254	15	381	40	1,016	51.18	1,300	18.75	476	53	1,346	7.5	191	9 1/2	241	5/8	16	5/16	8
48	1,219	C6TT-35-48	164	74	57	1,448	10	254	17	432	45.25	1,149	56.5	1,435	19.87	505	59	1,499	7.5	191	9 1/2	241	5/8	16	5/16	8
54	1,372	C6TT-35-54	180	82	63	1,600	10.06	256	19	483	50.56	1,284	61.75	1,568	21.12	536	65.5	1,664	9	229	11	279	5/8	16	3/8	10
60	1,524	C6TT-35-60	193	88	69	1,753	10.06	256	21	533	55.81	1,418	67	1,702	22.25	363	71.5	1,816	9	229	11	279	5/8	16	3/8	10



CEMA D - 6" (152 mm) Idlers

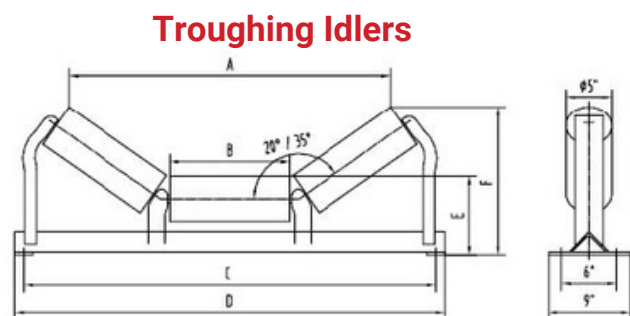
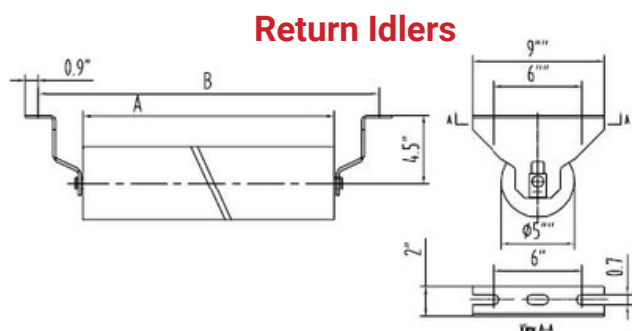
Steel Return Idlers

Steel Troughing Idlers

Idlers CEMA D - 6" (152 mm)

Steel Return Idlers: 6" (152 mm) Diameter

Belt Width		Part	Weight		A		B	
in	mm		lb	kg	in	mm	in	mm
36	914	D6R-36	49.5	22	38.9	987	45	114
42	1067	D6R-42	55.7	25	44.9	1140	51	130
48	1219	D6R-48	61.8	28	50.9	1292	57	145
60	1524	D6R-60	74.3	34	62.9	1599	69	175



Steel Troughing Idlers: 6" (152 mm) Diameter

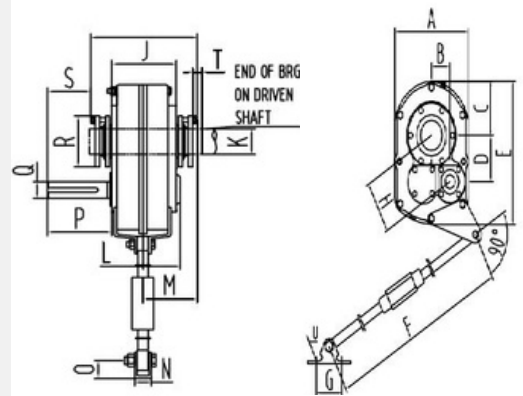
	Belt Width		Part	Weight		A		B		C		D		E		F	
	in	mm		lb	kg	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
20 degrees	36	914	D6T-20-36	88	40	38.6	979	13.1	332	45	1143	47	1194	9.31	237	13.9	352
	42	1067	D6T-20-42	105	48	45.6	1159	15.3	387	51	1295	53.6	1360	9.56	243	15.1	383
	48	1219	D6T-20-48	120	54	51.2	1300	17.4	441	57	1448	59.6	1513	9.56	243	16.8	427
	60	1524	D6T-20-60	145	66	63.5	1613	21.8	552	69	1753	71.6	1818	10	254	17.5	445
35 degrees	36	914	D6T-35-36	90	41	35.1	891	13.1	332	45	1143	47	1194	9.3	237	16.8	427
	42	1067	D6T-35-42	108	49	41.3	1048	15.4	391	51	1295	53.6	1360	9.6	243	18.5	470
	48	1219	D6T-35-48	123	56	49.4	1256	17.4	441	57	1448	59.6	1513	9.6	243	19.6	498
	60	1524	D6T-35-60	149	68	58	1473	21.7	552	69	1753	71.6	1818	10	254	22.4	570

Speed Reducers

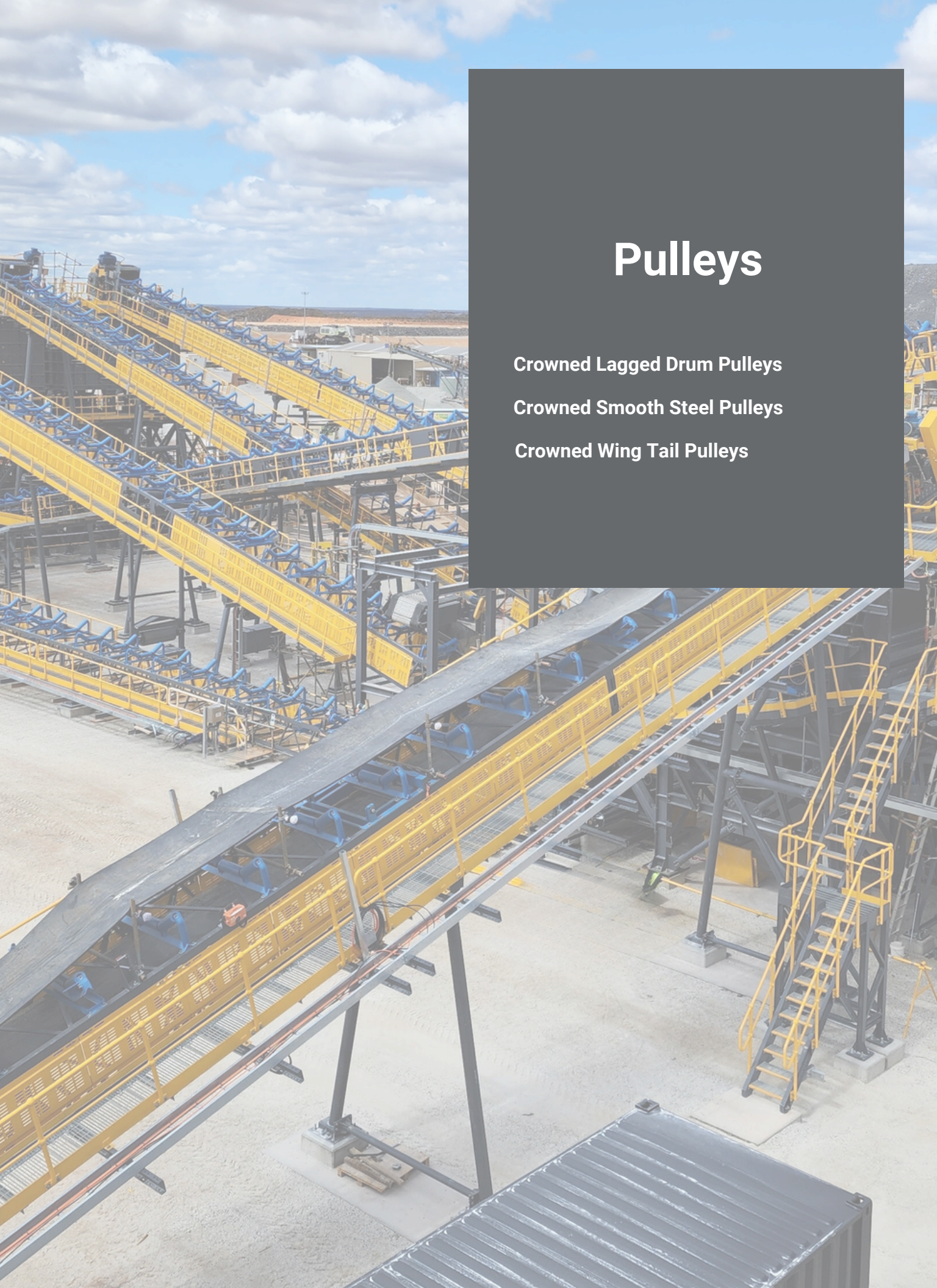


Speed Reducers

- Ductile iron cast housings are precision machined and corrosion-resistant.
- Ribbed housing construction gives robust and rigid support for bearings and gearing.
- Double lip seals retain oil and prevent dirt from getting in for superior lubrication and extended operating life.
- The reducer mounts directly on the driven shaft, eliminating the need for coupling or chain drive, sliding motor base, and support structure and minimizing alignment problems.
- Torque arm reducers can be placed anywhere along the driven shaft in horizontal, vertical, and inclined positions.
- Helical gear tooth design increases the power transfer ratio.
- Twin taper bushings reduce movement between the reducer and the shaft.



Size	2		3		4		5		6		7		8		9	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
A	8.38	212.85	9.25	234.95	10.38	263.65	13.13	333.5	13.13	333.5	18.75	476.25	20.25	514.35	22.63	574.8
B	2.14	54.36	2.33	59.18	3.76	95.5	4.09	103.89	4.9	124.46	5.11	129.79	6.03	153.16	6.59	167.39
C	4.09	103.89	4.84	122.94	5.5	139.7	7.56	192.02	7.56	192.02	9.38	238.25	10.03	254.76	11.31	287.27
D	3.75	95.25	4.17	105.92	4.79	121.67	6.73	170.94	6.73	170.94	8.3	210.82	9.5	241.3	10.81	274.57
E	1.41	35.81	12.88	327.15	15.13	384.3	21.31	541.27	21.31	541.27	25.94	658.88	28.25	717.55	31.69	804.93
F min	26.94	684.27	26.94	684.27	29.19	741.42	29.19	741.42	29.44	747.77	29.44	747.77	30	762	30	762
F max	32.94	836.67	32.94	836.67	35.19	893.82	35.19	893.82	35.44	900.17	35.44	900.17	36	914.4	36	914.4
G	3	76.2	3	76.2	4	101.6	4.75	120.65	4.75	120.65	4.75	120.65	7	177.8	7	177.8
H	4.32	109.73	4.78	121.41	5.53	140.46	7.88	200.15	7.88	200.15	9.74	247.4	10.25	260.35	12.66	321.56
I	7.32	185.93	9.22	234.19	9.98	253.49	11.53	292.86	11.53	292.86	12.85	326.39	14.03	356.36	14.12	358.65
J	4.5	114.3	5.63	143	6.13	155.7	6.88	174.75	6.88	174.75	7.75	196.85	8.37	212.6	8.12	206.25
K	1.94	49.21	2.19	55.56	2.44	61.91	3.44	87.31	3.44	87.31	3.94	100.01	4.44	112.71	4.94	125.41
L	2.82	71.63	3.33	84.58	3.14	79.76	4.57	116.08	4.57	116.08	4.69	119.13	5.85	148.59	5.66	143.76
M	3.68	93.47	4.52	114.81	4.79	121.67	5.73	145.54	5.73	145.54	6.38	162.05	7.04	178.82	7.04	178.82
N	1.25	31.75	1.25	31.75	1.44	36.58	2.75	69.85	3.75	95.25	2.75	69.85	4	101.6	4	101.6
O	1.06	26.92	1.06	26.92	1.75	44.45	2	50.8	2	50.8	2	50.8	3.13	79.5	3.13	79.5
P	3.59	91.19	4.34	110.24	5.57	141.48	6.08	154.43	6.08	154.43	6.35	161.29	7.11	180.59	9.65	245.11
R	4.06	103.12	4.38	111.25	4.81	122.17	6.13	155.7	6.13	155.7	7.26	184.4	7.75	196.85	8.75	222.25
S	2.22	56.39	2.34	59.44	3.44	87.38	3.73	94.74	3.73	94.74	4.31	109.47	4.31	109.47	6.63	168.4
T min	1.25	31.75	1.5	38.1	4.75	120.65	1.81	45.97	1.81	45.97	2.06	52.32	2.06	52.32	2.44	61.98
U	0.44	11.18	0.44	11.18	0.5	12.7	0.63	16	0.63	16	0.75	19.05	0.75	19.05	0.75	19.05



Pulleys

Crowned Lagged Drum Pulleys

Crowned Smooth Steel Pulleys

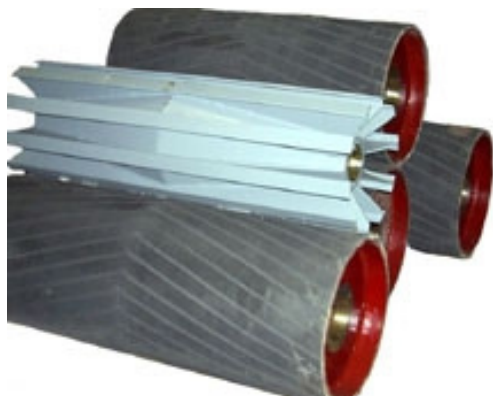
Crowned Wing Tail Pulleys

Pulleys

We offer a wide range of drum pulley and wing pulley sizes. The heavy-duty wing pulleys use engineered industrial-strength end discs, a flat bar wing design, standard XT style bushings, and XT hubs for simple installation. The lagged drum pulleys utilize machined crowns, vulcanized lagging, high-strength end discs, and XT bushings.

Crowned Lagged Drum Pulleys

Diameter		Face Width		Hub		Weight	
in	mm	in	mm	in	mm	lbs	kg
8	203	20	508	25	635	60	27
		26	660	25	635	70	32
		32	813	25	635	85	39
		38	965	25	635	100	45
10	254	20	508	25	635	75	34
		26	660	25	635	90	41
		32	813	25	635	110	50
		38	965	25	635	135	61
		44	1118	30	762	150	68
		51	1295	30	762	160	73
12	305	20	508	25	635	95	43
		26	660	25	635	125	57
		26	660	30	762	130	59
		32	813	25	635	140	64
		32	813	30	762	145	66
		38	965	30	762	170	77
		38	965	30	762	175	79
		44	1118	30	762	220	100
		51	1295	30	762	250	113
		63	1600	30	762	275	125
14	356	26	660	25	635	155	70
		26	660	30	762	160	73
		32	813	25	635	175	79
		32	813	30	762	180	82
		38	965	25	635	205	93
		38	965	30	762	210	95
		44	1118	30	762	240	109

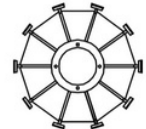
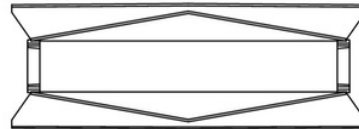
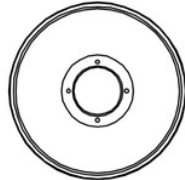
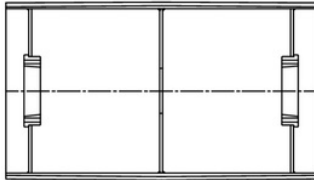


Diameter		Face Width		Hub		Weight	
in	mm	in	mm	in	mm	lbs	kg
16	406	26	660	25	635	175	79
		26	660	30	762	180	82
		26	660	35	889	185	84
		32	813	25	635	230	104
		32	813	30	762	235	107
		32	813	35	889	240	109
		38	965	30	762	250	113
		38	965	35	889	255	116
		44	1118	30	762	270	122
		44	1118	35	889	257	117
18	457	51	1295	35	889	320	145
		63	1600	40	1016	360	163
		26	660	30	762	235	107
		26	660	35	889	240	109
		32	813	35	889	250	113
		32	813	40	1016	255	116
		38	965	35	889	290	132
		38	965	40	1016	300	136
		44	1118	35	889	340	154
		44	1118	40	1016	350	159
20	508	51	1295	40	1016	415	188
		26	660	35	889	270	122
		32	813	40	1016	290	132
		32	813	50	1270	345	156
		38	965	35	889	325	147
		38	965	40	1016	478	217
		38	965	50	1270	498	226
		44	1118	50	1270	541	245
		51	1295	50	1270	551	250
24	610	26	660	40	1016	440	200
		32	813	40	1016	520	236
		32	813	50	1270	530	240
		38	965	45	1143	645	293
		38	965	50	1270	655	297
		44	1118	50	1270	750	340
		51	1295	50	1270	900	408

Pulleys

Crowned Smooth Steel Pulleys

Diameter		Face Width		Hub		Weight	
in	mm	in	mm	in	mm	lbs	kg
10	254	20	508	25	635	66	30
		26	660	25	635	77	35
		32	813	25	635	87	39
		38	965	25	635	98	44
12	305	26	660	25	635	110	50
		26	660	30	762	111	50
		32	813	25	635	123	56
		32	813	30	762	128	58
		38	965	30	762	139	63
14	356	26	660	25	635	139	63
		32	813	30	762	168	76
		38	965	30	762	177	80
		44	1118	30	762	183	83
16	406	32	813	30	762	267	121
		38	965	35	889	304	138
18	457	32	813	35	889	248	112
		38	965	35	889	261	118



Pulleys

Crowned Wing Tail Pulleys

Diameter		Face Width		Hub		Weight	
in	mm	in	mm	in	mm	lbs	kg
8	203	20	508	25	635	66	30
		26	660	25	635	86	39
		32	813	25	635	106	48
		38	965	25	635	127	58
10	254	20	508	25	635	80	36
		26	660	25	635	101	46
		32	813	25	635	129	59
		38	965	25	635	153	69
		44	1118	30	762	218	99
		51	1295	30	762	235	107
12	305	20	508	25	635	122	55
		32	813	25	635	153	69
		32	813	30	762	181	82
		38	965	25	635	179	81
		38	965	30	762	214	97
		44	1118	30	762	204	93
		51	1295	30	762	288	131
		63	1600	30	762	347	157



Diameter		Face Width		Hub		Weight	
in	mm	in	mm	in	mm	lbs	kg
14	356	26	660	30	762	170	77
		32	813	25	635	196	89
		32	813	30	762	199	90
		38	965	25	635	234	106
		38	965	30	762	243	110
		44	1118	30	762	271	123
16	406	51	1295	35	889	330	150
		63	1600	35	889	414	188
		26	660	25	635	198	90
		26	660	30	762	185	84
		32	813	25	635	220	100
		32	813	30	762	228	103
18	457	38	965	30	762	260	118
		38	965	35	889	266	121
		44	1118	35	889	317	144
		51	1295	35	889	361	164
		63	1600	40	1016	414	188
		26	660	30	762	222	101
20	508	32	813	35	889	280	127
		38	965	35	889	310	141
		44	1118	35	889	356	161
		44	1118	40	1016	362	164
		51	1295	40	1016	440	200
		26	660	35	889	253	115
		32	813	35	889	310	141
		38	965	40	1016	364	165
		44	1118	40	1016	428	194
		51	1295	40	1016	497	225





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