



LOAD RATINGS

CEMA C - TROUGH IDLERS (RIGID FRAME)

BELT WIDTH	CEMA REQUIRED LOAD RATING (lbs)				ROLL ONLY	MELCO LOAD RATING (lbs)				*L10h
	IDLER SET			ROLL ONLY		IDLER SET			ROLL ONLY	
	TROUGH ANGLE					TROUGH ANGLE				
	20°	35°	45°			20°	35°	45°		
18	900	900	900	630	1100	1100	1100	1930	37 000	
24	900	900	900	630	900	900	900	1380	37 000	
30	900	900	900	630	1000	1000	1000	1070	37 000	
36	900	837	810	630	1200	1200	1200	880	37 000	
42	850	791	765	595	900	900	900	740	44 000	
48	800	744	720	560	1000	1000	1000	630	53 000	
54	750	698	675	525	800	800	800	550	65 000	
60	700	650	630	490	700	700	700	490	80 000	

CEMA C - 2 ROLL VEE-RETURNS

BELT WIDTH	CEMA REQUIRED LOAD RATING (lbs)		MELCO LOAD RATING (lbs)		*L10h
	IDLER SET	ROLL ONLY	IDLER SET	ROLL ONLY	
24	500	300	570	1030	> 100 000
30	500	300	700	720	> 100 000
36	500	300	550	590	> 100 000
42	500	300	660	490	> 100 000
48	500	300	540	420	> 100 000
54	500	300	650	370	> 100 000
60	500	300	550	330	> 100 000

CEMA C - SINGLE ROLL RETURNS

BELT WIDTH	CEMA REQUIRED LOAD RATING (lbs)	MELCO LOAD RATING (lbs)	*L10h
	IDLER SET	IDLER SET	
18	475	510	77 000
24	325	390	>100 000
30	250	310	>100 000
36	200	260	>100 000
42	150	220	>100 000
48	125	190	>100 000
54	375 (same as CEMA D)	460	>100 000
60	280 (same as CEMA D)	410	>100 000

L10h is the calculated Bearing life in hours at 500 rpm and CEMA specified load rating.

Dimensions in inches, Weight in lbs.