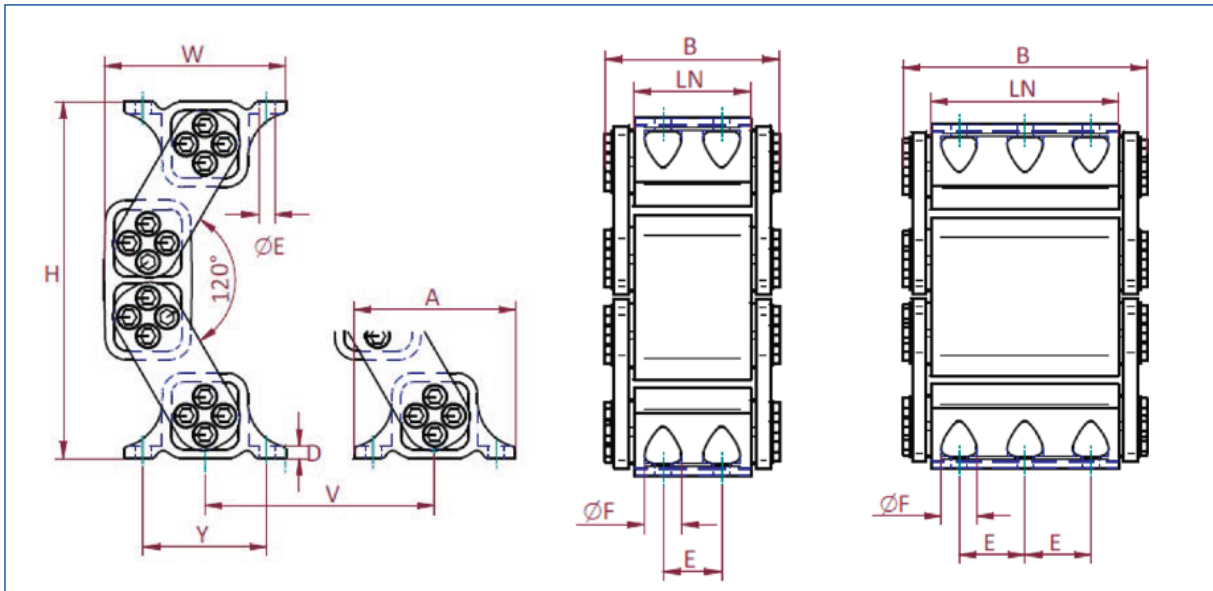


# SCREEN MOUNT

## TYPE CH-PL

The RESATEC screen mount type CH-PL is the optimization in terms of power density. Sufficient oscillation amplitudes, good insulating effect and good resistance with regard to spontaneous loading are retained. The support of inclined screens is also possible. If a belt drive is intended to drive the unbalance shafts, we recommend the use of a motor base (e.g. RESATEC motor base MW-8).



# SCREEN MOUNT

## TYPE CH-PL

dimensions																material		
type	H		W		A	B	LN	D	E	øE	screws	øF +/- 0.2	Y	V	weight	material		
	un-loaded	max. load	un-loaded	max. load										min.	kg	housing	core	lever
CH-I PL 3 – 40	135	118 – 115	70	80 – 82	65	52	40	4	-	7	4	-	50	80	1	SINT-C 40	1.4571	
CH-I PL 4 – 50	242	175 – 163	110	159 – 165	85	61	50	4.5	-	9	4	-	65	200	1.6	SINT-C 41	1.4571	
CH-PL 7 – 110	340	290 – 283	170	199 – 202	145	145	110	8	65	13	8	-	115	220	7	Aluminium	steel with powder coating	
CH-PL 8 – 120	376	315 – 307	191	226 – 229	170	180	120	13	60	17	8	38	130	240	7.9		Aluminium	steel with powder coating
CH-PL 8 – 160	376	315 – 305	191	226 – 230	170	220	160	13	2 x 60	17	12	38	130	240	15.8			
CH-PL 8 – 200	376	315 – 307	191	226 – 229	170	260	200	13	2 x 70	17	12	38	130	240	18.3			
CH-PL 8 – 200	376	314 – 306	191	226 – 229	170	300	240	13	3 x 60	17	16	38	130	240	23.9			
CH-PL 8 – 320	376	315 – 305	191	226 – 230	170	380	320	13	4 x 60	17	20	38	130	240	29.3			
CH-PL 8 – 400	376	315 – 307	191	226 – 229	170	460	400	13	4 x 70	17	20	38	130	240	34.6			

### Load values, capacity limits

type	nat. frequ. fe		dynam. spring ratio cd 960 min <sup>-1</sup>			capacity limits*															
	load		load		verti.	sw amplitude	hori.	720 min <sup>-1</sup> (12 Hz)					960 min <sup>-1</sup> (16 Hz)				1440 min <sup>-1</sup> (24 Hz)				
	min. N	max. N	min. Hz	max. Hz	N/mm	peak to peak mm	N/mm	sw mm	K -	W %	Vm m/min.	sw mm	K -	W %	Vm m/min.	sw mm	K -	W %	Vm m/min.		
CH-I PL 3 – 40	120	300	6.2	3.5	27	7	18	8	2.3	90.5	9.5	7	3.6	95	10.8	5	5.8	97.8	11.7		
CH-I PL 4 – 50	250	800	5.1	3.2	38	9	25	10	2.8	92.5	12.2	9	4.5	94	13.2	7	8	97.1	13.5		
CH-PL 7 – 110	2000	4500	3.4	2.1	170	14	86	17	4.9	97	20.5	14	7.1	98	22.5	8	9.3	98.5	18		
CH-PL 8 – 120	3500	8100	2.6	2.1	281	15	128	18	5.2	97	21	15	7.7	98	24	8	9.3	98.5	18		
CH-PL 8 – 160	4700	11300	2.9	2.1	388	15	171	18	5.2	97	21	15	7.7	98	24	8	9.3	98.5	18		
CH-PL 8 – 200	6000	13600	2.6	1.9	471	15	215	18	5.2	97	21	15	7.7	98	24	8	9.3	98.5	18		
CH-PL 8 – 240	8000	16000	2.5	1.9	506	15	259	18	5.2	90.5	21	15	7.7	99	24	8	9.3	98.5	18		
CH-PL 8 – 320	11000	22000	2.5	1.9	760	15	344	18	5.2	97	21	15	7.7	99	24	8	9.3	98.5	18		
CH-PL 8 – 400	13500	27000	2.5	2	939	15	432	18	5.2	97	21	15	7.7	99	24	8	9.3	98.5	18		

\*sw: amplitude (peak to peak)

K: oscillating machine factor

W: isolation efficiency

Vm: theo. conveying speed (angle 45°)