

## Calculation of Number of Links

Number of links is to be calculated by the following equation:

$$n = \frac{nS + a + l}{P}$$

n : Number of links (Figures below decimal point are raised to one positive number)

S : Transfer stroke (mm)

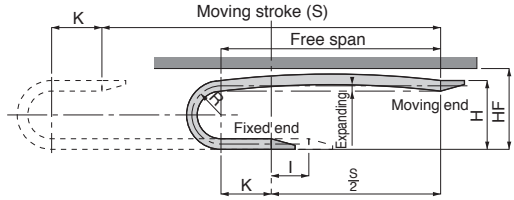
a :  $\pi R + 2K$  (R: Bending radius (mm), K: Play (mm))

l : Distance from intermediate point (mm) when the fixed-end is not in the middle of transfer stroke (when the transfer stroke is in the intermediate point : 0)

P : Pitch (mm)

《Note》

Setting fixed-end in the intermediate point of transfer stroke minimizes required number of Plarailchain.



※1.K in the figure is required minimum allowance length which should be secured both moving end and fixed end.

※2.H in the above figure is the height require to install Plarailchain.

※3.HF in the above figure is the height which Plarailchain is able to pass through using under the length of free span with allowable expansion without load such as cables, hoses, etc.

※4.Please make inquiries for special travel conditions.

Series	R	P	H	HF	K	a	
HPU	102	19	20	50	65	20	99.7
	202	25		70	85		128.5
		30	25	80	95	25	144.2
		45		110	125		191.3
	203	30	25	80	95	25	144.2
		45		110	125		191.3
	204,206	38		98	118		179.3
		50	32	122	142	30	217.0
	306	50		134	160		257.0
		100	45	234	260	50	414.0
		150		334	360		571.0
	408,412	50		140	170		257.0
75			190	220		335.5	
100		45	240	270	50	414.0	
150			340	370		571.0	
200			440	470		728.0	
615	75		214	275		375.5	
	100		264	325		454.0	
	150	70	364	425	70	611.0	
			464	525		768.0	
HPO	202,203	30	20	80	95	25	144.2
		45		110	125		191.3
	204,206	38		98	118		179.3
		50	26	122	142	30	217.0
	408,412	70		180	210		319.8
		100	45	240	270	50	414.0
		150		340	370		571.0
		200		440	470		728.0
	512	100	60	260	320	60	434.0
	819	150		384	445		651.0
		200		484	545		808.0
		250	90	584	645	90	965.0
300			684	745		1,122.0	
400			884	945		1,436.0	

Series	R	P	H	HF	K	a	
HPE	408,412	50		140	180		257.0
		75		190	230		385.0
		100	45	240	280	50	414.0
		150		340	380		571.0
		200		440	480		728.0
HPK	101	19	20	50	62	25	109.7
	202,203	30	25	80	95	25	144.2
		45		110	125		191.3
204,206	38		98	118		179.3	
	50	32	122	142	30	217.0	
204,205	28	15	79	100	15	117.9	
	206	38		98	118		169.3
		50	22	122	142	25	207.0
HPC	203	30		98	120		144.2
		45	25	128	150	25	191.3
		60		158	180		238.4
	204	50		146	165		271.0
		90	32	226	245	30	342.6
150			346	365		531.0	
306	50		160	177		257.0	
	100	45	260	277	50	414.0	
	150		360	377		571.0	
50	60	25	152	206	90	368.4	
100	90	25	227	257	90	462.6	
200	105	25	260	295	90	509.7	

Series	R	P	H	HF	K	a	
SP	1520	30	81	100		154.2	
		50	25	121	140	30	217.0
		75		171	190		295.5
	2035	45	32	116	140	35	211.3
	2550, 2560	50		135	160		257.0
		75	36	185	210	50	335.5
		100		235	260		414.0
		150		335	360		571.0
	2585	60	43.5	155	180	50	288.4
		75		185	210		335.5
		100		235	260		414.0
		150		335	360		571.0
35□	100	62.5	250	280	63	440.0	
	125		300	330		518.5	
	150		350	380		597.0	
	175		400	430		675.5	
	200		450	480		754.0	
45□	75	67	214	275	70	375.5	
	100		264	325		454.0	
	125		314	375		532.5	
	150		364	425		597.0	
	175		414	475		689.5	
	200		464	525		754.0	
250	564	625	925.0				
55□	135	91	350	400	100	623.9	
	150		380	430		671.0	
	200		480	530		828.0	
	250		580	630		985.0	
80□	150	100	406	495	106	683.0	
	200		506	595		840.0	
	250		606	695		997.0	
	300		706	795		1,154.0	
	350		806	895		1,311.0	
	400		906	995		1,468.0	
SPO	45□	125	314	375	70	532.5	
		150	364	425		597.0	
		175	414	475		689.5	
		200	464	525		754.0	
		250	564	625		925.0	
	55□	150	91	380	430	100	671.0
		200		480	530		828.0
		250		580	630		985.0

Series	R	P	H	HF	K	a
1520	28[26.3]	18	95	115	23	128.6
	34[31.3]		105	125		144.3
2040	31[28.8]	20	115	145	30	150.4
	38[36.3]		130	160		174.0
	58[56.3]		170	200		236.8
2540	60[57.8]	30	185	215	35	251.5
	85[82.8]		235	265		330.0
2560	60[57.8]	30	185	215	35	251.5
2580	60[57.8]	30	185	215	35	251.5
	85[82.8]		235	265		330.0
3560, 35100	75[71.3]	45	240	270	50	323.9
	100[98.8]		295	325		410.2
L2020	36[34]	20	120	150	25	156.8
L2050	31[29]	20	110	140	25	141.1
L2570	46[44]	30	150	180	35	208.2
	64[61.3]		185	215		262.5
L3050	46[44]	30	160	190	35	208.2

※.As for R dimension of SC series, be careful that there are formal R descriptions and the R descriptions ( [ ] values in above chart) for link number calculation.