

Aerial Cam Unit

Grade	Working Force [kN (tonf)]		Travel	Catalog No.	W	θ 5° increments	Spring Type PS
	1,000,000 strokes	300,000 strokes					
White	27.9 (2.8)	37.2 (3.8)	Long	VACWL	58	00~50	ISO ISOL

ISO, ISOL: Coil Spring



Order

Catalog No.	W	—	θ	—	PS	—	Option
VACWL	58	—	10	—	ISO		
VACWL	58	—	10	—	ISOL	—	SC60
VACWL	58	—	10	—	ISO	—	WC64
VACWL	58	—	10	—	ISOL	—	SC45 — WC64



Option

Option Code	Specification
SC	Mount face length is extended from 1 to 60 mm in increments of 1 mm.
WC	The width of the mount face is extended to 64 mm.

Spring Force & Return Force

● Coil Spring

ISO

θ	Spring Force				Return Force	
	Initial Load		Final Load			
	N	kgf	N	kgf	N	kgf
00	198	20.2	2094	214	2792	285
05	282	28.8	2094	214	2789	285
10	409	41.7	2094	214	2786	284
15	217	22.1	1971	201	2620	267
20	263	26.8	1971	201	2617	267
25	309	31.6	1971	201	2613	267
30	355	36.3	1971	201	2610	266
35	402	41.0	1971	201	2606	266
40	448	45.7	1971	201	2602	266
45	448	45.7	1971	201	2599	265
50	494	50.4	1971	201	2595	265

● Coil Spring

ISOL

θ	Spring Force				Return Force	
	Initial Load		Final Load			
	N	kgf	N	kgf	N	kgf
00	113	11.6	1247	127	1674	171
05	164	16.7	1247	127	1671	171
10	239	24.4	1247	127	1668	170
15	124	12.7	1173	120	1567	160
20	152	15.5	1173	120	1563	160
25	179	18.3	1173	120	1560	159
30	207	21.1	1173	120	1556	159
35	235	23.9	1173	120	1553	158
40	262	26.8	1173	120	1549	158
45	262	26.8	1173	120	1546	158
50	290	29.6	1173	120	1542	157

Cam Travel

θ	Travel mm
00	28.9
05	30.5
10	31.1
15	32.2
20	34.1
25	36.0
30	38.0
35	40.1
40	42.4
45	46.5
50	49.8

Aerial Cam Unit

Weight*1

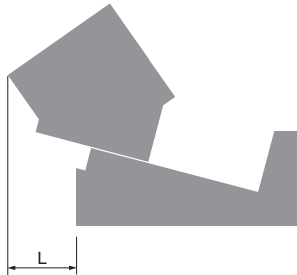
θ	Total Weight kg	Cam Slider Weight kg	Tool Weight*2 kg
00	8.9	3.2	3.3
05	8.7	3.2	3.3
10	8.7	3.2	3.3
15	8.5	3.2	3.4
20	8.3	3.2	3.5
25	8.3	3.2	3.6
30	8.2	3.2	3.8
35	8.2	3.2	4.0
40	7.9	3.2	4.2
45	8.0	3.2	4.6
50	8.0	3.2	5.4

*1 This is the weight without SC and WC option. Reduce tool weight when with SC and WC option since the slider gets heavier.

*2 Tool weight is estimated value. Allowable tool weight varies depending on press speed.

Rear Removal Space

θ	L mm
00	27.4
05	33.8
10	37.9
15	44.2
20	50.9
25	59.4
30	66.3
35	64.6
40	73.3
45	79.3
50	86.7

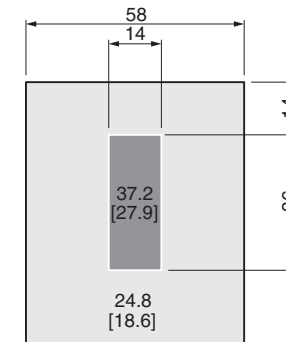


Working Force Distribution Diagram

The working forces indicated in the mount face distribution diagram are reached by putting the tooling center of gravity within each area for the following pictures.

: Working force (kN) allowed for up to 300,000 strokes

[] : Working force (kN) allowed for up to 1,000,000 strokes



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