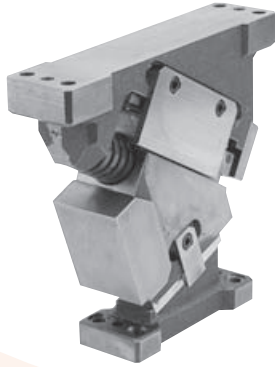


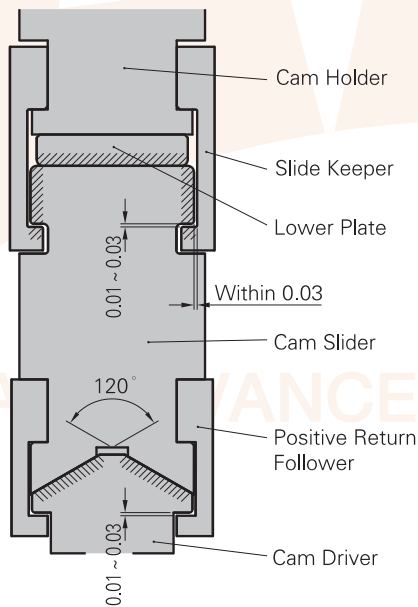
Aerial Cam Unit

- B-HUCTF -



- Standard working force (one million strokes): 68.7 kN, Allowable working force (300,000 strokes): 137.3 kN.
- Strong type with the return force of 600 kgf or larger.
- Automatic alignment mechanism of the V-shaped guide.
- Available angle is 0° to 75° at increments of 5°.
- Optimum for thick sheet or piercing of high strength steel.
- ISO spring is used.

Slide Structure and Positive Return Structure



- Clearance between the Cam Holder and Cam Slider is within 0.03.
- Clearance between Cam Slider and Cam Driver is between 0.01 and 0.03. This makes smooth movement for slide and positive return.

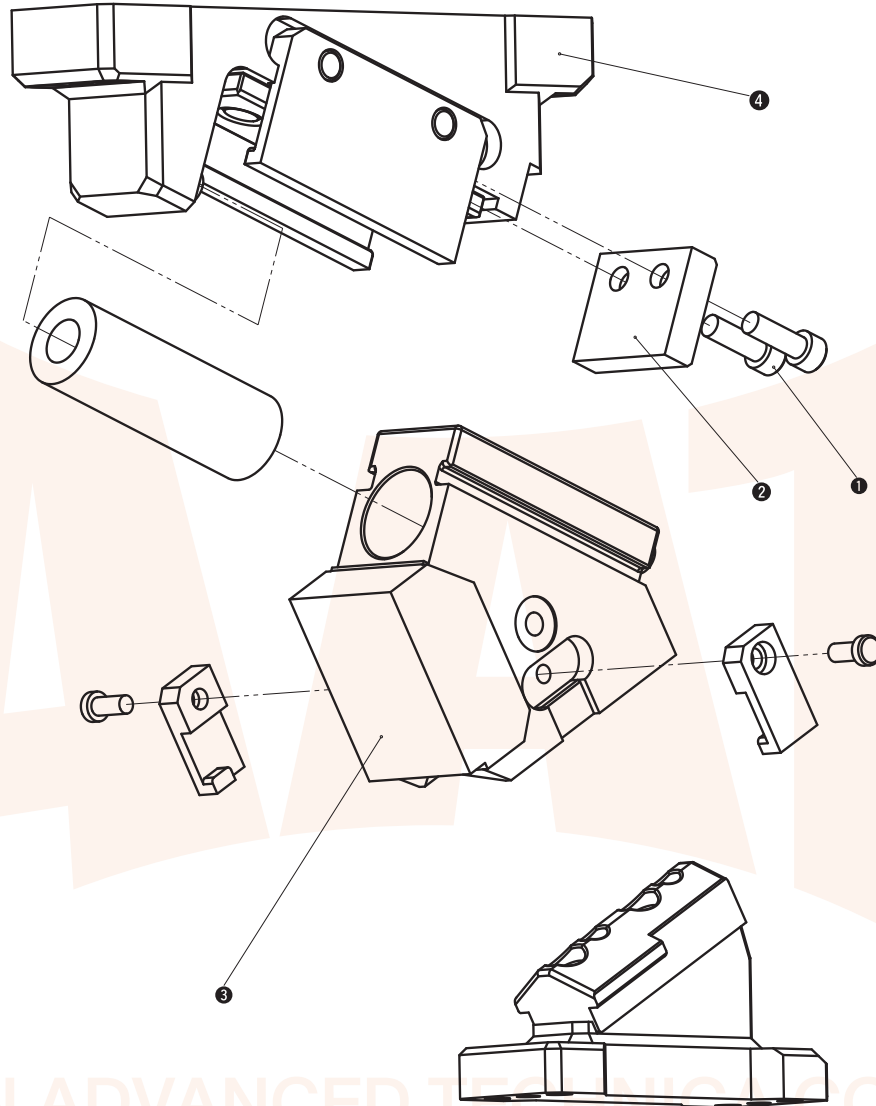
*If a bigger clearance for Cam Holder or Cam Slider is needed, please contact BYTE Oilless sales department.

*Oilless system at hatched area

Aerial Cam Unit

- B-HUCTF -

■ B-HUCTF Structure and Assembly / Disassembly



● Disassembly method of B-HUCTF

- 1) Loosen hexagon socket head bolt (❶) and remove stopper plate (❷). Pull and remove cam slider (❸) from cam holder (❹) to the rear.

● Assembly method of B-HUCTF

- 1) Assemble components in the reverse order of disassembly.
 - Make sure that there is no foreign matter on the sliding area and assemble components.
 - The clearance between the cam slider and the cam holder is controlled. Match the stamped serial number on the holder and slider before assembly.
 - When cam is disassembled and then reassembled, please do not forget to assemble all bolts provided.

Aerial Cam Unit

- B-HUCTF -

W	θ	S	A	B	C	D	E	F	G	H	I
B-HUCTF65	0	22.50	275	50	245	255.00	79.20	150.80	58.50	-95	160.00
	5	22.60				265.68	82.29	147.71	67.10		170.68
	10	27.20				256.04	86.29	143.71	75.40	-75	181.04
	15	27.80				266.02	91.18	138.82	83.30		191.02
	20	32.30				255.53	96.93	133.07	90.80	-60	195.53
	25	33.40				264.51	103.48	126.52	97.80		204.51
	30	38.00	252.88	110.79	119.21	104.03	-40	212.88			
	35	40.20	260.58	118.80	111.20	110.20		220.58			
	40	45.00	242.56	122.45	107.55	120.40	-20	222.56			
	45	48.70	248.75	131.67	98.33	125.00		228.75			
	50	54.50	236.28	125.98	104.02	148.10	0	236.28			
	55	61.00	240.78	136.14	93.86	153.10		240.78			
	60	70.00	234.50	145.31	84.69	159.80	10	244.50			
	65	68.50	231.79	146.72	83.28	145.20	45	276.79			
	70	67.20	228.97	147.89	82.11	159.00		273.97			
	75	69.50	233.82	167.79	62.21	153.54		278.82			

Table of Components

No.	Description	Qty	Material and Remark
①	Cam Slider	1	QT500
②	Cam Driver	1	QT500
③	Cam Holder	1	QT500
④	Slide Keeper	2	45
⑤	Positive Return Follower B	1	45
⑥	Positive Return Follower A	1	45
⑦	Stopper Plate	1	Q235
⑧	Cam Slide Guide	1	Bronze
⑨	Lower Plate	1	Bronze
⑩	Spring Guide Pin	1	Q235
⑪	Stopper	2	ϕ 15 x 13
⑫	Coil Spring	1	
⑬	Dowel Pin with Female Thread	2	ϕ 10 x 30
⑭	Hexagon Socket Brazier Head Bolt	2	M10 x 20
⑮	Hexagon Socket Brazier Head Bolt	2	M8 x 18
⑯	Hexagon Socket Head Bolt	4	M10 x 30
⑰	Hexagon Socket Head Bolt	5	M8 x 20

Order No :

Catalog No. (W) - (θ)
B - HUCTF 65 75

Aerial Cam Unit

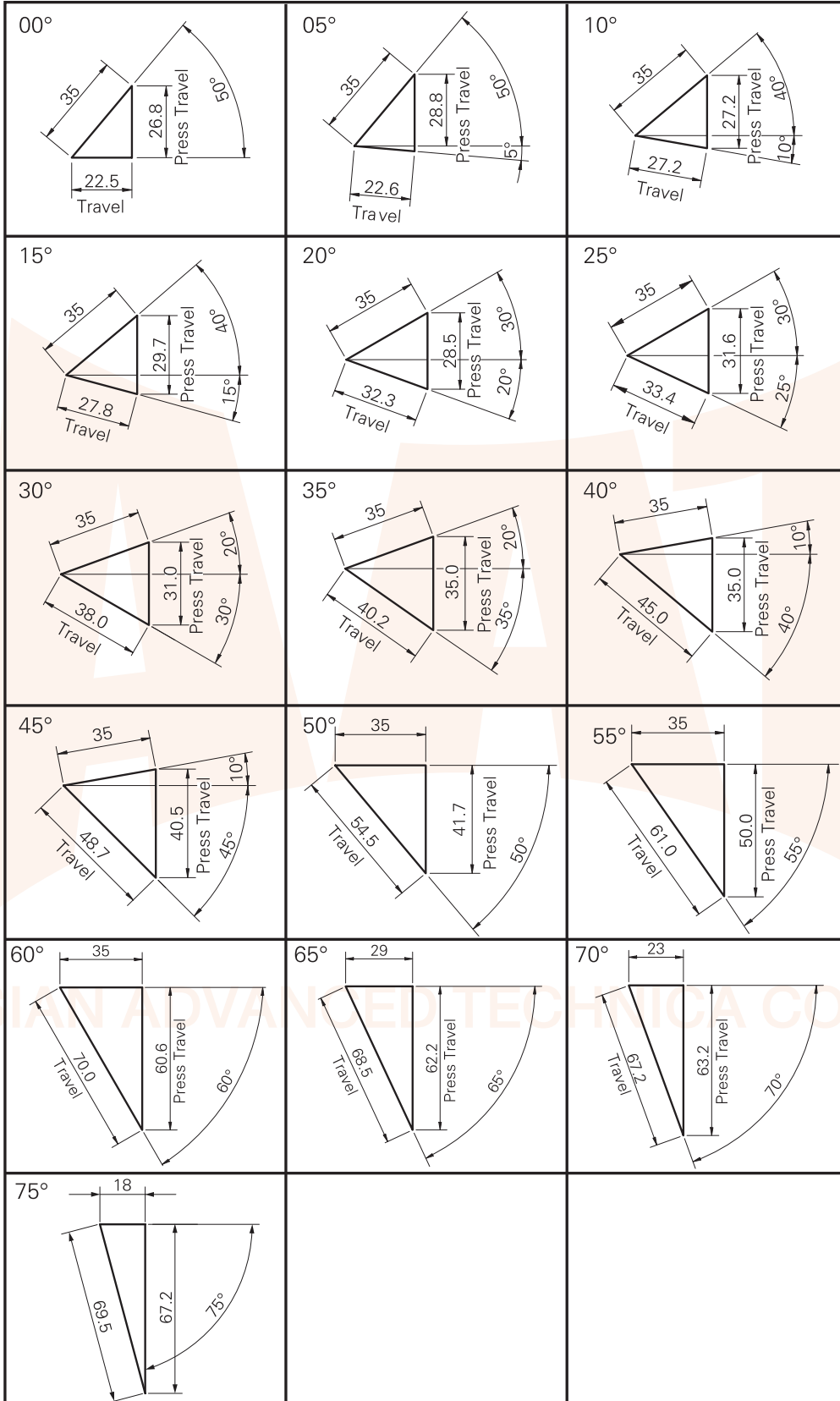
- B-HUCTF -

Catalog No.	(W)	(θ)	Travel S	Working Force kN(tonf)		Spring Force N (kgf)		Total Weight kg
				Standard Working Force (one million strokes)	Allowable Working Force (300,000 strokes)	Initial Load	Final Load	
B-HUCTF	65	00	22.5	68.7 (7.0)	137.3 (14.0)	0.0 (0.0)	5988.5 (610.7)	18.4
		05	22.6					18.6
		10	27.2					17.4
		15	27.8					17.5
		20	32.3					16.6
		25	33.4					16.8
		30	38.0					16.9
		35	40.2					17.0
		40	45.0					16.4
		45	48.7					16.6
		50	54.5					15.9
		55	61.0				16.1	
		60	70.0				16.4	
		65	68.5				5936.3 (605.3)	18.0
		70	67.2				5862.7 (597.8)	
		75	69.5				5257.8 (536.1)	20.0

Aerial Cam Unit

- B-HUCTF -

Cam Diagram



Aerial Cam Unit

- B-HUCTF -

Spring Diagram

