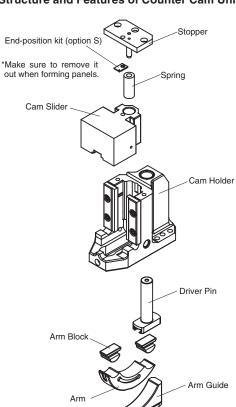
# **Counter Cam Unit General Description of CTCC**

**COMPACT TYPE** 

CTCC is a compact and space-saving counter cam unit for bending panels upward.



#### ■ Structure and Features of Counter Cam Unit

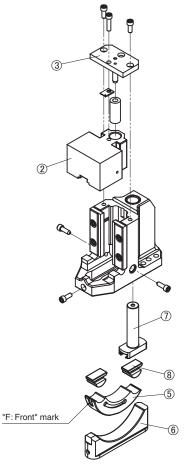


 Its compact design enables to flange panels upward even in a narrow space.

FILE

- The new structure prevents the stress concentration, which does not require to install a backup.
- The end-position kit and spring can be assembled or disassembled with the whole unit mounted on the die.
- The elimination of the box-type holder enables to avoid interferences with front objects.

### ■ Disassembly and Assembly of CTCC





Make sure to install the two arm blocks (®) into each T-groove slot of the cam slider (②) and the driver pin (⑦) as shown to the right.

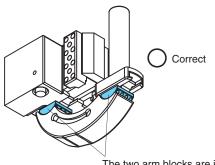
## CTCC Disassembly Procedures

- 1) Loosen the hexagon socket head bolt and remove the stopper plate (③).
- 2) Pull the cam slider (2) up and out.
- 3) Loosen the three hexagon socket head bolts. With the cam main unit laid down horizontally, use the M10 tap at the bottom of the arm guide ((©)) to pull it out.
- Disassemble the arm (\$\overline{\S}\$), arm block (\$\overline{\S}\$) and driver pin (\$\overline{\S}\$).

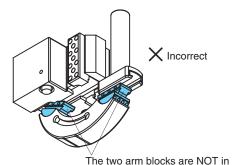
#### ●CTCC Assembly Procedure

- 1) Assemble by reversing the disassembly procedure.
- Make sure that there is no foreign matter on the sliding area and assemble components.
- When cam is disassembled and then reassembled, please do not forget to assemble all bolts provided.

Note: Make sure to assemble the arm (⑤) with engraved "F" (= Front) mark facing in the correct direction.



The two arm blocks are in the T-groove slots. (Correct)

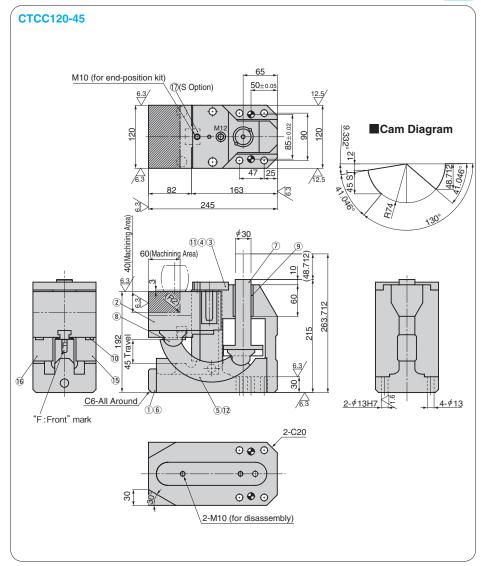


the T-groove slots. (Incorrect)

# **Counter Cam Unit**

# **COMPACT TYPE**





Working Force kN (tonf) (1,000,000 strokes)	Spring Fo Initial Load	rce N (kgf) Final Load	Total Weight kg	Catalog No.	Cam width W	Travel S	Spring Type PS
9.8 (1.0)	150.7 (15.3)	574.6 (58.6)	28.8	стсс	120	45	TF27-125

Spring specification

TF27-125 : Spring constant 9.42N/mm (0.96kgf/mm) Guideline of spring durability 300,000 strokes

# ■Table of Components

No.	Description	Qty	Material and Remark
1	Cam Holder	1	FC250
2	Cam Slider	1	FC250 with Graphite
3	Stopper Plate	1	S45C(1045)
4	Spring Guide Pin	1	S45C(1045)
(5)	Arm	1	NAK55
6	Arm Guide	1	FC250 with Graphite
7	Driver Pin	1	S45C(1045)
8	Arm Block	2	Bronze with Graphite
9	Oilless Bush	1	Bronze with Graphite
10	Urethane Stopper	2	Urethane
11)	Spring	1	TF27-125
12	Ball Plunger	2	SCM435
15	Holding Plate R	1	FC250 with Graphite
16	Holding Plate L	1	FC250 with Graphite
17	Locking Plate(S Option)	1	S45C



Catalog No.	W	]-[	S
СТСС	120	_	45



ion	Option Code	Specification		
	N12	Dowel pin holes of holder are changed to \$\phi\$12H7.		
	S	Locking plate and bolts are included.		

### ■ Installation of a positive return

Please install a positive return of the cam slider as shown below so that the cam slider could follow the up-and-down motion of press machine.

