

NEW

Punch Stripper Unit

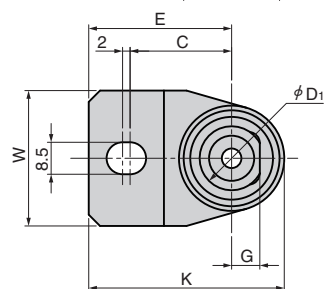
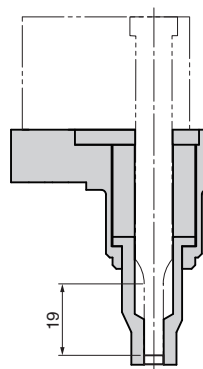
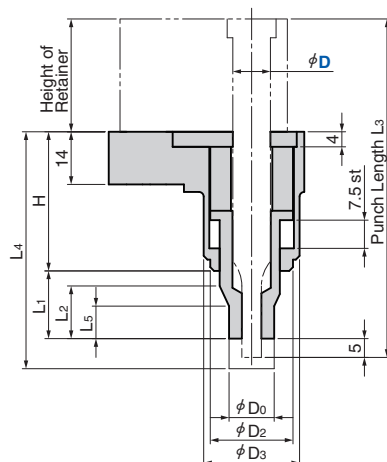
Compact Type PSCLS Series

Pierce Components

Light Duty: 1,000,000 strokes model

PSCLSB (Extra Small Blank Bushing)

PSCLSA (Extra Small Bushing with Round Punch)

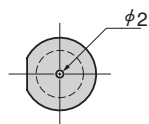
CAD
FILE

● Punch Point Shape

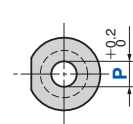
Set the punch point shape to + 0.1 mm or more.

PSCLSB

PSCLSA



(Blank)



D	Punch Length L ₃	Retainer Height	H	L ₁	L ₂	L ₄	L ₅	C	E	G	D ₀	D ₁	D ₂	D ₃	W	K
10	80	25		13	14	57.5	8.6									
		30		8	9	52.5	3.6									
		(32)		12	14	56.5	8.6									
	90	25		23		67.5										
		30		18		62.5										
		(32)	37	22		66.5		27	38	7.5	12	17	22	25.5	36	52
	100	35 (41)		13	14	57.5	8.6									
		25		33		77.5										
		30		28		72.5										
		(32)		32		76.5										
		35 (41)		23		67.5										

Inside "()" shows the dimension for Ball Retainer.

Catalog No.	D	Punch Length L ₃	0.1 mm increments
			PSCLSA P
PSCLSB	10	80	
PSCLSA		90	3.0~6.6
		100	



Order

Catalog No.	Point Shape	Shank Diameter	Punch Length	Retainer Height	Hole Diameter
PSCLS	B	10	80	32	
PSCLS	A	10	90	41	P5.2

■ Guideline for Use

- Use a Pierce Punch with Point length 19 mm or more.
- PSCLSB requires the processing of additional punch point shape before use.
- Set the entry of the pierce to 5 mm or less.
- Other shapes upon request.

Punch Stripper Unit [Overview]

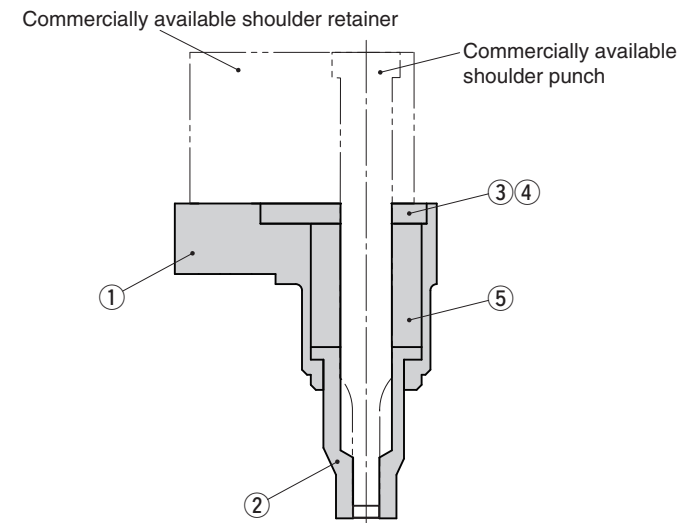
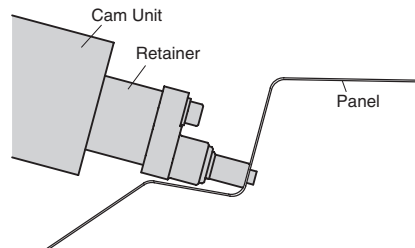
Compact Type PSCL, PSCM, and PSCLS Series

Pierce Components

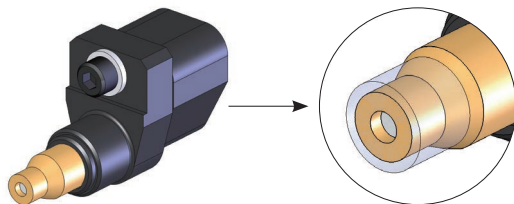
- Punch Stripper Unit for General Retainers
- The smaller design of the outer punch shape enables easier processing in limited spaces compared to the BPS series.
For your Piercing Punch $\phi 10$ and $\phi 13$, lengths 80, 90, and 100 mm are selectable.
- For Retainer, heights 25, 30, and 35 mm. For Ball Lock Retainer, heights 32 and 41 mm.
- Set the entry to the pierce 5 mm or less.
- The tip shape of the Pad can be changed.
- PSCL series for Light Duty
PSCM series for Middle Duty
* $\phi 16$, $\phi 20$, $\phi 25$, and $\phi 32$ upon request.



The PSCL and PSCM series are designed to minimize its outer shape, which helps to process places that require avoiding any interfaces with a panel.



- Extra Small Bushing is ideal for Pierce Shank Diameter $\phi 10$



Tip downsized from $\phi 14.5$ to $\phi 12$



No.	Description	Qty	Remark
1	Case	1	—
2	Pad	1	—
3	Backing Plate	1	—
4	Hexagon Socket Head Bolt	2	—
5	Coil Spring	1	Refer to the Spring Specification.
6	Washer (Accessory)	1	M8
7	Hexagon Socket Head Bolt (Accessory)	1	M8x25

Punch Stripper Unit [Overview]

Compact Type PSCL, PSCM, and PSCLS Series

Pierce Components

Spring Specification: PSCL, PSCM

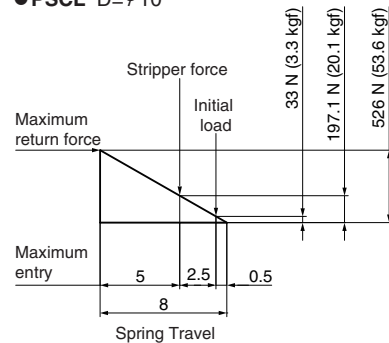
Catalog No.	D	Punch Length L ₃	Travel S	Initial Load N (kgf)	Stripper Force N (kgf)*1	Maximum Return Force N (kgf)	Spring Constant N/mm (kgf/mm)	Spring Model
PSCLB PSCLA PSCLR PSCLE	10	80	7.5	33 (3.3)	197 (20.1)	526 (53.6)	65.7 (6.7)	SWL22-25
		90						
		100						
PSCMB PSCMA PSCMR PSCME	13	80	7.5	49 (5)	294 (30)	785 (80.1)	98.1 (10)	SWL27-25
		90						
		100						
PSCMB PSCMA PSCMR PSCME	10	80	7.5	59.5 (6)	357 (36.4)	952 (97.1)	119 (12.1)	SWM22-25
		90						
		100						
PSCMB PSCMA PSCMR PSCME	13	80	7.5	89.5 (9.1)	537 (54.7)	1432 (146.1)	179 (18.3)	SWM27-25
		90						
		100						

*1 When pad stroke is set to 2.5 mm

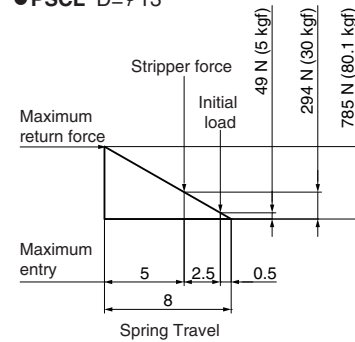
*2 This is a 300,000 strokes model. The spring must be replaced after 300,000 strokes.

Spring Diagram

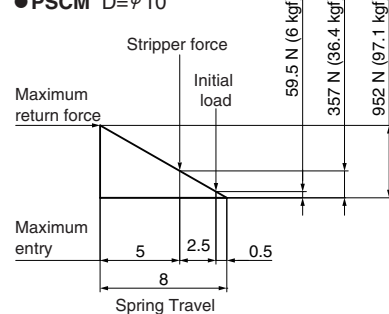
● PSCL D=φ10



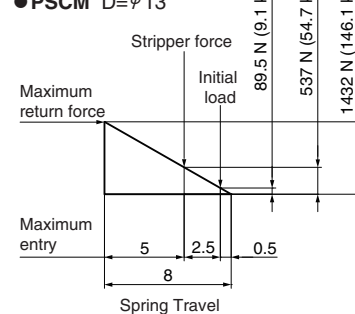
● PSCL D=φ13



● PSCM D=φ10

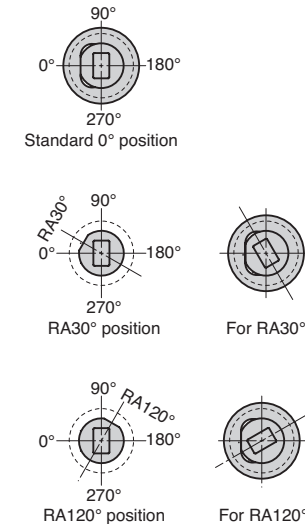


● PSCM D=φ13



Options

—RA Locking positions of irregular Punch Point Shapes can be changed by the option below.



Spring Specification: PSCLS

Catalog No.	D	Punch Length L ₃	Travel S	Initial Load N (kgf)	Stripper Force N (kgf)*1	Maximum Return Force N (kgf)	Spring Constant N/mm (kgf/mm)	Spring Type
PSCLSB PSCLSA	10	80 90 100	7.5	33 (3.3)	197 (20.1)	526 (53.6)	65.7 (6.7)	SWL22-25

*1 When working stroke is set to 2.5 mm.

Spring Diagram

● PSCLS D=φ10

