

Spring Clamp

Small & Large Type

Feature: Spring force clamps workpiece with a constant force.

Small Spring Clamp

Type	Body		Spring Material
	Material	Surface Treatment	
SPCPS	1045 Carbon Steel or Equivalent	Electroless Nickel Plating	Spring Steel (ASTM A228)

1N=0.101972kgf

Type	Part Number	L	Spring	Clamp Force (N)			
				S (Light Load)		H (Heavy Load)	
				min.	max.	min.	max.
SPCPS		20	S Light Load	2.0	2.6	3.0	3.6
		30	H Heavy Load				

Large Spring Clamp

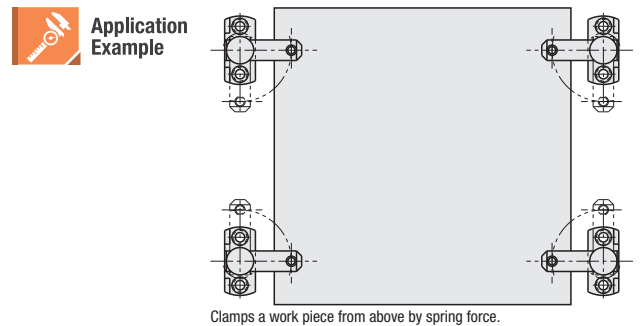
Type	Main Body		Spring Material
	Material	Surface Treatment	
SPCPL	1045 Carbon Steel or Equivalent	Electroless Nickel Plating	Spring Steel (ASTM A228)

1N=0.101972kgf

Type	Part Number	L	Spring	Clamp Force N			
				S (Light Load)		H (Heavy Load)	
				min.	max.	min.	max.
SPCPL		30	S Light Load	3.0	5.1	5.0	8.5
		40	H Heavy Load				
		50					
		60					

Part Number Example

Part Number	Part Number	Spring
Type	L	
SPCPS	20	S
SPCPL	50	H



Part Number Alterations

Part Number	Part Number	Spring	(SB)
Type	L		
SPCPS	30	H	SB

Alteration	Code	Spec.
Tip Screw Included	SB	Tip Screw with a Urethane Bumper will be included. SPCPS...USS4-15 P:1776 SPCPL...SUST6 P:1776

Guide Plungers / Nose Attachments

V Shape / Flat Shape

Guide Plungers

Type	Body		Pin		Spring		Knob	
	Material	Surface Treatment	Material	Surface Treatment	Material	Material	Material	Material
Light Load	GPL	Aluminum Alloy	Clear Anodize	1045 Carbon Steel or Equivalent	Electroless Nickel Plating	304 Stainless Steel-WPB	Polyacetal	
Heavy Load	GPH							
Extra Heavy Load	GPX							

1N=0.101972kgf

Load Table Unit (N)

Type	min	max
Light Load	0.6	2.5
Heavy Load	0.9	3.8
Extra Heavy Load	1.4	5.9

1N=0.101972kgf

ⓘ Shift the knob to the stopper position (lower step) to prevent the pin from moving.

ⓘ In addition to the tip attachments shown below (GP and GPF), Urethane Pushers (USLH10 on P:3655, etc.) and Stopper Pins (BSTE8 on P:1702, etc.) are also attachable to the tip of Spring Side Clamps.

Type	Part Number	M (Coarse)	S	Pin							Body							Knob				
				D	L	W	H	A	B	C	T	G	E	F	d	S ₁	H ₁	J	D ₁	W ₁		
GPL		4	6	8	22	6	5	18	26	11.5	4	18	4	10	4.5	1.5	24.5	5.5	15	10		
GPH		5	10	10	27	8	10	32	35	19	5	25	6	20	5.5	3	35	13	18	15		
GPX																						

Nose Attachments

V Shape

GP V Shape

GPF Flat Shape

ⓘ Applicable to M5 size Spring Side Clamp (GPL5, GPH5 and GPX5) only.

Material: MC Nylon

V Shape

Part Number	A°	W	d ₁	d ₂	L	L ₁	H ₁	H ₂	d ₃	E	F	S	W ₁
GP	90	20	5.5	9.5	18	16	9	15	6	8	2	2	8
		30			22	20							
	20	15			13								
	30	18			16								

Flat Shape

Part Number	W	d ₁	d ₂	L	H ₁	H ₂	E	F	S	W ₁
GPF	20	5.5	9.5	10	9	15	8	2	2	8
	30									

Part Number Example

Part Number	Part Number	A	W
GPX5			
GP	- 90	- 30	
GPF		- 20	

