



Name	CAM Upper Plate	Steel CAM Upper	Copper Alloy CAM Upper	Steel CAM Upper
Model	25SCU(W,F,I,S) / 25CUP(W,F,I,S)	25CUPH	25CSDPW	25SCPAH
Page	239 - 240	241	241	242



Name	Steel CAM Upper	CAM Side Block	CAM V Guide	CAM V Guide
Model	25SCPH	25MSRGW / 25MSRGF	25CGW / 25CGI	25CGWL / 25CGIL
Page	242	243	244	245



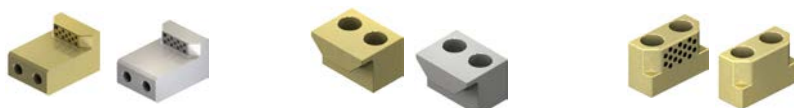
Name	CAM Center Key	Steel CAM Center Key	CAM Center Key	15Degree CAM Dwell Plate
Model	25CKB	25SFCI / 25SFCIB	25CKBF / 25CKBI / 25CKBW	25CDPWS / 25CDPIS
Page	246	246	247	248



Name	30Degree CAM Dwell Plate	45Degree CAM Dwell Plate	Compact CAM Dwell Plate
Model	25CDPW / 25CDPI / 25CMCSA	25CDPQW / 25CDPQI	25CDPWL / 25CDPIL
Page	249	250	251



Name	CAM Pad Guide Plate	CAM Positive Return Follower	CAM Positive Return Follower	CAM Positive Return Follower
Model	25CPGPW	25CPRIH / 25CPRI	25CPRIE / 25CPRIF	25CKRZW
Page	252	253	254	255



Name	CAM Positive Return Follower	CAM Positive Return Follower	CAM Positive Return Follower
Model	25CKRLW / 25CKRLI	25CPKW / 25CPKI / 25CPKH	25CPBW / 25CPBWS
Page	255	256	256

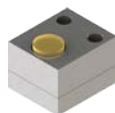
CAM SLIDES COMPONENTS



CAM Positive
Return Plate



CAM Stoppper



Shock Absorb
Stopper

Name	CAM Positive Return Plate	CAM Stoppper	Shock Absorb Stopper
Model	25CRPW / 25CRPWR / 25CRPWL	25CSTA / 25CSTU	25UCST
Page	257	258	258



Spring Unit for Cam Return

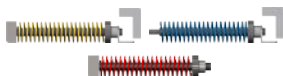


Spring Unit for Cam Return



Double Spring Unit for Cam Return

Model	25STOKSL / 25STOKSF / 25TRP	25SUL / 25SUM (40,50,60)	25SWUL / 25SWUM (50,60)
Page	259 - 260	261 - 266	267 - 268



CAM Return Units

Name	CAM Return Units
Model	25SUKI / 25SUKE / 25SUKA / 25SUKSA / 25SUKFP / 25SUKFA
Page	269 - 270

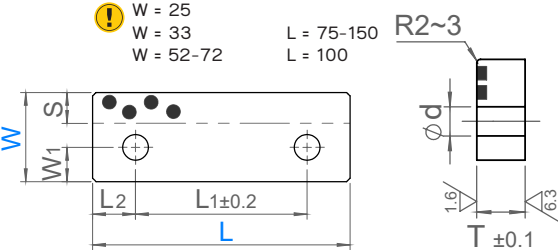
ชิ้นส่วนแคมสไลด์

CAM Upper Plate - แคมอัปเปอร์เพลท

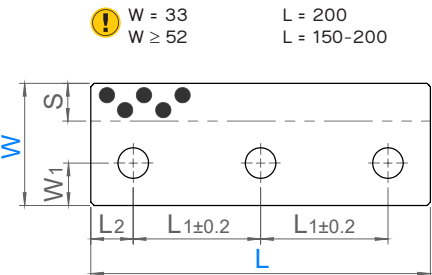


- 25SCUW Copper Alloy + Oil Free™ Solid Lubricant
- 25SCUF FC250 + Oil Free™ Solid Lubricant
- 25SCUI S45C + Oil Free™ Solid Lubricant
- 25SCUS Sintered Alloy
- S Area 40HRC-(Induction Harden)

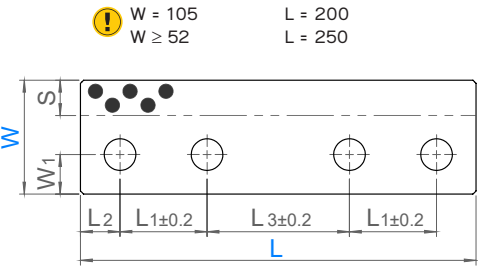
ORDER Model W - L
EXAMPLE 25SCUW52-200



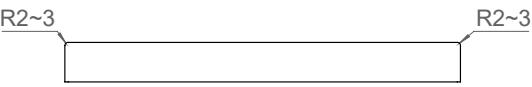
! W = 25
W = 33
W = 52-72
L = 75-150
L = 100



! W = 33
W ≥ 52
L = 200
L = 150-200



! W = 105
W ≥ 52
L = 200
L = 250



Model	W	L	T	L1	L2	L3	W1	S	d
25SCUW 25SCUI	25	75	10	45	15	-	8	7.5	9
		100		50	25				
		125		75	25				
	33	75	10	45	15	-	12.5	9	11
		100		50	25				
		125		75	25				
		150		100	25				
		200		75	25				
25SCUW 25SCUF 25SCUI 25SCUS	52	100	20	50	25	-	20	13	13
		150		50	25				
		200		75	25				
		250		75	50				
	72	100	30	50	25	-	25	22	18
		150		50	25				
		200		75	25				
		250		75	50				
	77	150	35	50	25	-	25	27	18
		200		75	25				
		250		75	50				
		250		75	50				
	82	150	40	50	25	-	25	32	18
		200		75	25				
		250		75	50				
		250		75	50				
25SCUW 25SCUF 25SCUI	105	150	40	50	25	-	25	32	18
		200		50	25				
		250		75	50				
		250		75	50				

Cam Slides

CAM Upper Plate - แคมอัฟเปอร์เพลท

Oil Free™



25CUPW **(M)** Copper Alloy + Oil Free™ Solid Lubricant

25CUPF **(M)** FC250 + Oil Free™ Solid Lubricant

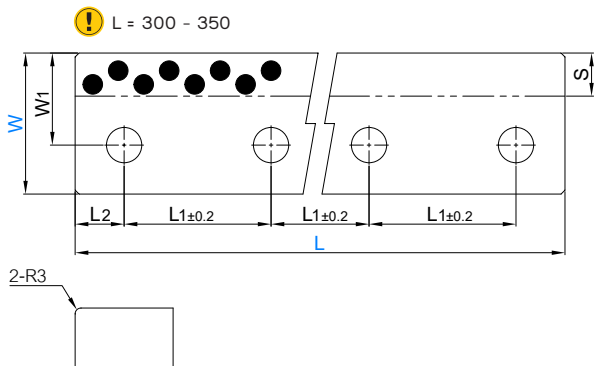
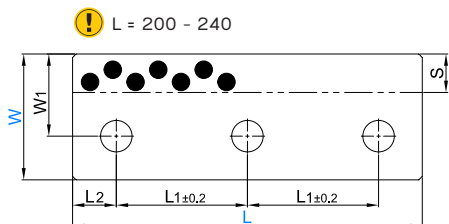
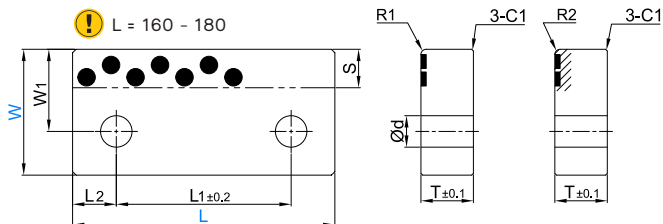
25CUI **(M)** S45C + Oil Free™ Solid Lubricant

25CUPS **(M)** Sintered Alloy

S Area **(M)** 40HRC-(Induction Harden)

ORDER
EXAMPLE

Model W - L
25CUPW70-200



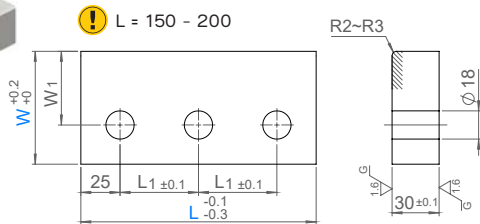
Model	W	L	T	W1	L1	L2	d	S
25CUPW 25CUPF 25CUPS 25CUI	55	180	25	37.5	120	30	18	24
	70	160		50	110	25	18	25
		200			75	25		25
		240			90	30		30
	85	200	28	60	75	25	22	30
		240			90	30		
		300			80	30		
		350			90	40		
	100	200			75	25		
		240			90	30		
		300			80	30		
		350			90	40		

ชิ้นส่วนแคมสไลด์

Steel CAM Upper Plate - แคมอัพเปอร์เพลท เหล็กกล้า



Model: 25CUPH



Ⓜ S45C
55HRC-(Induction Harden)

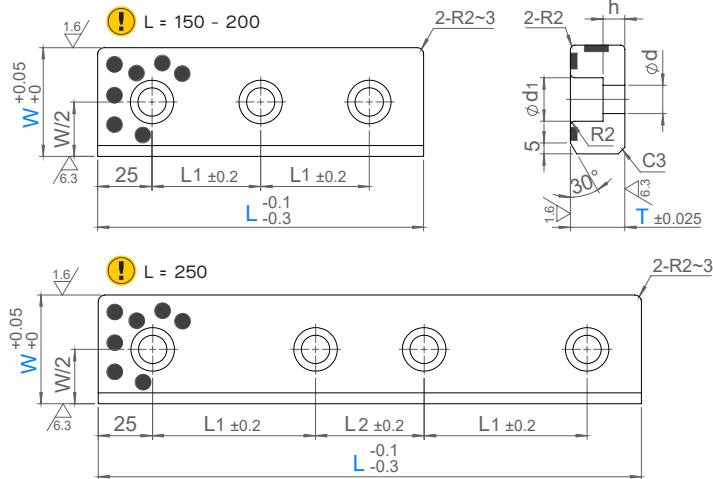
ORDER
EXAMPLE Model W - L
25CUPH67-150

Model	W	L	W1	L1	L2
25CUPH	67	150	42	50	-
		200		75	50
		250		75	50
	82	150	57	50	-
		200		75	50
		250		75	50

Copper Alloy CAM Slide Plate - แคมอัพเปอร์เพลท คอปเปอร์อัลลอย



Model: 25CSDPW



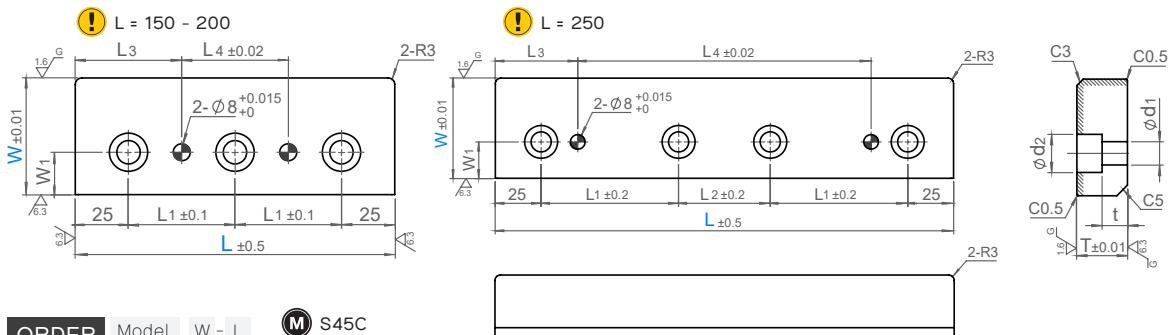
ORDER
EXAMPLE Model W - L
25CSDPW50-200 Ⓜ Copper Alloy + Oil Free[™] Solid Lubricant

Model	W	L	T	L1	L2	d	d1	h
25CSDPW	50	150	20	50	-	11	17.5	8
		200		75	50			
		250		75	50			
		150	35	50	-	13	20	20
		200		75	50			
		250		75	50			
	75	150	20	50	-	11	17.5	8
		200		75	50			
		250		75	50			
		150	35	50	-	13	20	20
		200		75	50			
		250		75	50			

Steel CAM Upper Plate - แคมอัปเปอร์เพลท เหล็กกล้า

Model: 25SCPAH

FOIL FREE™

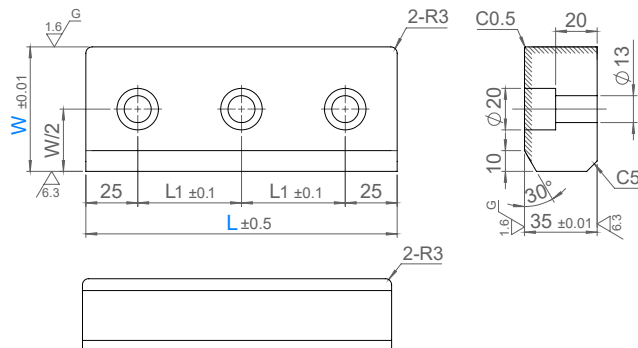


Model	W	L	T	L1	L2	L3	L4	W1	t	d1	d2
25SCPAH	55	150	20	50	-	45	60	20	8	11	18
		200		75			110				
		250		50	160						
	80	150	35	50	-	50	50	25	21	13	20
		200		75			100				
		250		50	150						
	95	150	50	50	-	55	40	35	32	18	26
		200		75			90				
		250		50	140						

Steel CAM Upper Plate - แคมอัปเปอร์เพลท เหล็กกล้า

Model: 25SCPH

FOIL FREE™



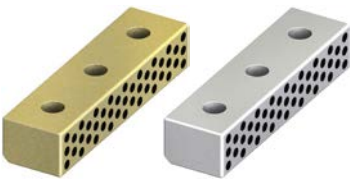
Material: S45C, 55HRC-(Induction Harden)

ORDER EXAMPLE Model W - L 25SCPH60-200

Model	W	L	L1
25SCPH	60	150	50
		200	75
		250	100
	80	150	50
		200	75
		250	100

ชิ้นส่วนแคมสไลด์

CAM Side Block - แคมไซด์บล็อก

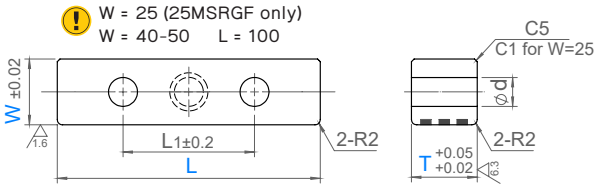


FOIL FREE™

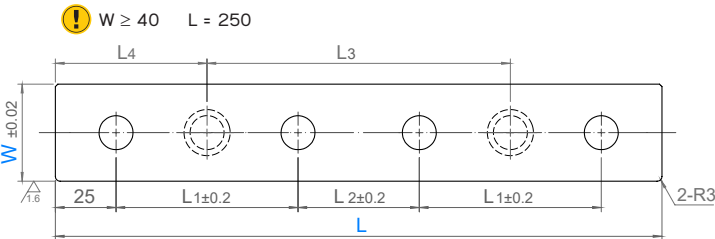
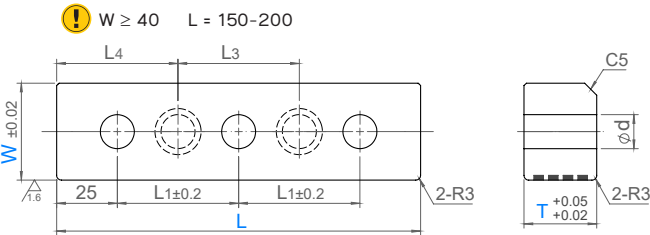
25MSRGW Copper Alloy
+ Oil Free™ Solid Lubricant

25MSRGF FC250
+ Oil Free™ Solid Lubricant

ORDER
EXAMPLE Model W - L - T
25MSRGW40-200-30



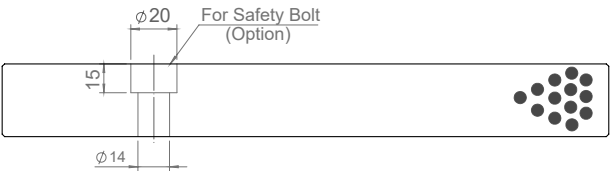
* Holes for safety bolt are optional for W=40 and 50 only



Model	W	L	T	L1	L2	d
25MSRGF	25	75	25	45	-	11
		100		50		
		125		75		
		150		100		
25MSRGW 25MSRGF	40	100	30	50	-	14
		150		75		
		200		50		
		250	40	50	-	14
		100		75		
		150		50		
		200		75		
		250		50		
25MSRGW 25MSRGF	50	100	45	50	-	20
		150		75		
		200		50		
		250	55	50	-	20
		100		75		
		150		50		
		200		75		
		250		50		
		150	60	50	-	20
		200		75		
		250		50		
		150	70	50	-	20
		200		75		
		250		50		

การปรับแต่งเสริม | Options

OPTION Model W - L - T - ZA
EXAMPLE 25MSRGW40-200-30-ZA

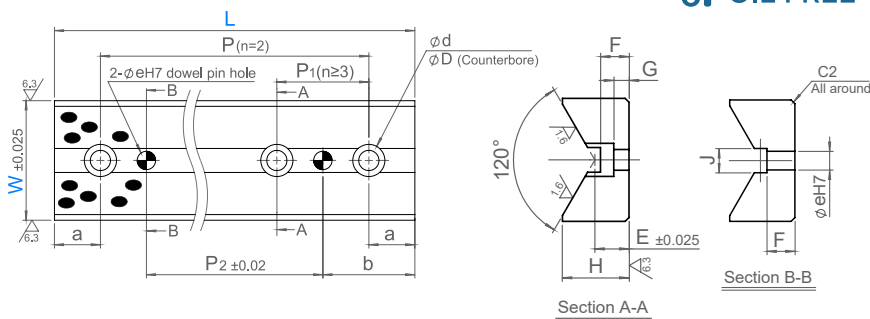
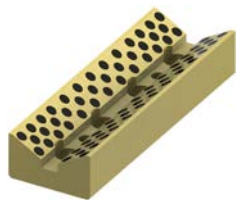


Option	Description	L	L3	L4
ZA	เจาะรูยึดสลัก Safety Bolt Holes (W = 40 & 50 only)	150	50	50
		200	75	62.5
		250	125	62.5

CAM V Guide - แคมไทดัดตัววี

OF OIL FREE™

Model: 25CGW



ORDER
EXAMPLE

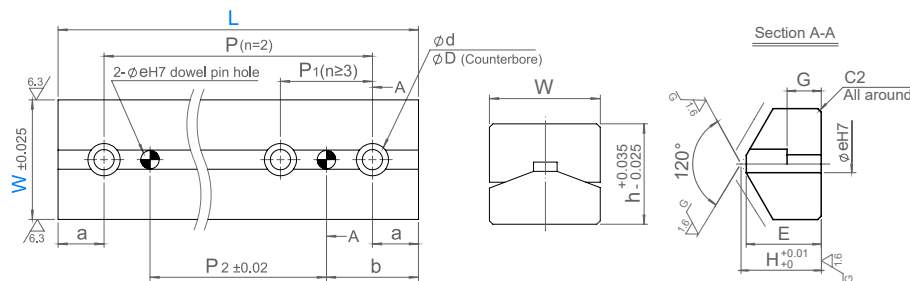
Model W - L
25CGW50-100



Copper Alloy + Oil Free™ Solid Lubricant

Model	W	L	H	a	b	P	P1	No. Bolt Holes n	e	P2	E	F	G	J	d	D	
25CGW	35	75	24	15	30	45	-	2	8	15	15	15	4	11	9	14	
		100		20	40	60				20							
		125				85				45							
		150				110				70							
	50	75	31	15	30	45	-	2	10	15	18	15	8	13	11	17.5	
		100		20	40	60				20							
		125		25	50	75				25							
		150		25	50	100				50							
	65	100	35	20	40	60	-	2	10	20	18	15	8	10	11	17.5	
		150		25	50	-		50		3							50
		200								4							100
		250								5							150
		300								6							200

Model: 25CGI



ORDER
EXAMPLE

Model W - L
25CGI50-100



S45C
55HRC-

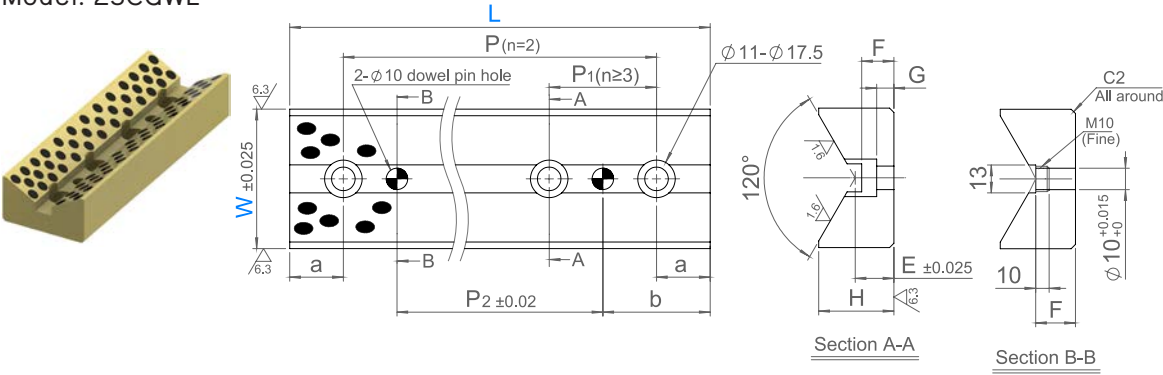
Model	W	L	H	a	b	P	P1	No. Bolt Holes n	e	P2	E	G	d	D	h
25CGI	35	75	20	15	30	45	-	2	8	15	17	4	9	14	35
		100		20	40	60				20					
		125				85				45					
		150				110				70					
	50	75	32	15	30	45	-	2	10	15	29	10	11	17.5	50
		100		20	40	60				20					
		125		25	50	75				25					
		150				100				50					
	65	100	47	20	40	60	-	2	10	20	44	20	11	17.5	65
		150		25	50	-	50	3		50					
		200						4		100					
		250						5		150					
		300						6		200					

ชิ้นส่วนแคมสไลด์

CAM V Guide - แคมไกด์ตัววี



Model: 25CGWL



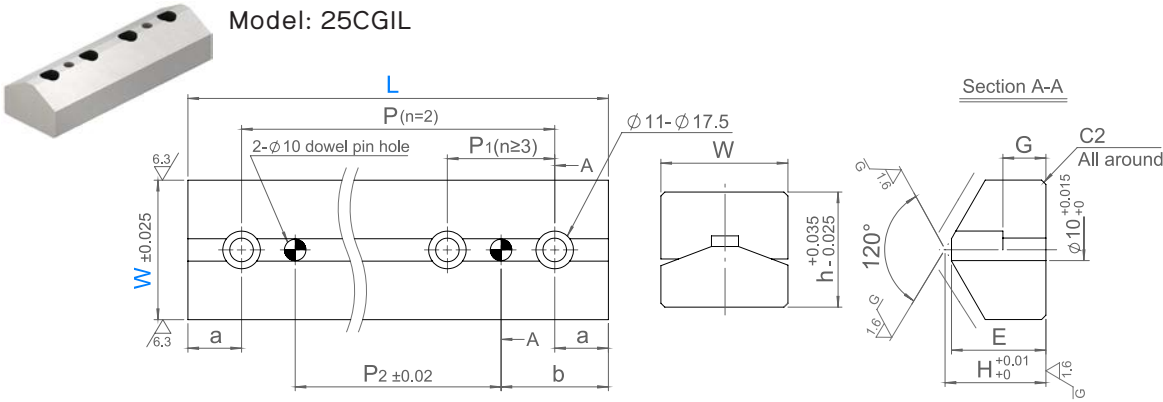
ORDER Model W - L
EXAMPLE 25CGWL65-100

Copper Alloy + Oil Free™ Solid Lubricant

Model	W	L	H	a	b	P	P1	No. Bolt Holes n	P2	E	F	G
25CGWL	65	100	37	20	40	60	-	2	20	20	20	10
		125		25	50	75			25			
		150				100			50			
		200				-	75	3	100			
		250					100		150			
		300					125		200			

Cam Slides

Model: 25CGIL



ORDER Model W - L
EXAMPLE 25CGIL65-100

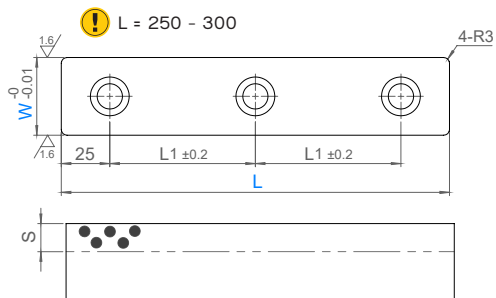
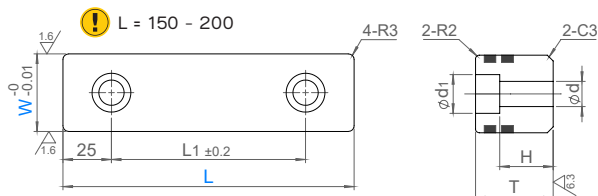
S45C
55HRC-

Model	W	L	H	h	a	b	P	P1	No. Bolt Holes n	P2	E	G
25CGIL	65	100	30	50	20	40	60	-	2	20	26	10
		125			25	50	75			25		
		150					100			50		
		200					-	75	3	100		
		250						100		150		
		300						125		200		

CAM Center Key - แคมเซ็นเตอร์คีย์

Model: 25CKB

FOIL FREE™



FC250 + Oil Free™ Solid Lubricant

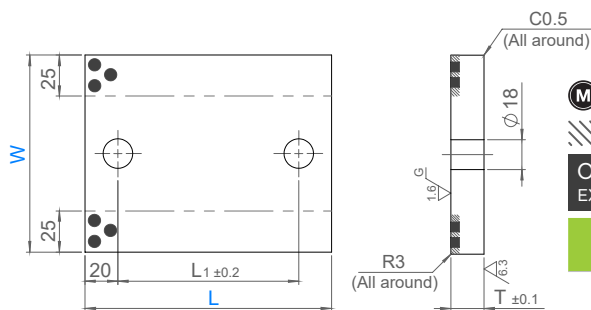
ORDER Model W - L
EXAMPLE 25CKB40-200

Model	W	L	T	L1	S	d	d1	H
25CKB	40	150	45	100	15	13	20	30
		200		150				
		250		100				
	60	150	60	100	20	18	32	38
		200		150				
		250		100				
		300		125				

Steel CAM Center Block - แคมเซ็นเตอร์ เหล็กกล้า

Model: 25SFCI

FOIL FREE™



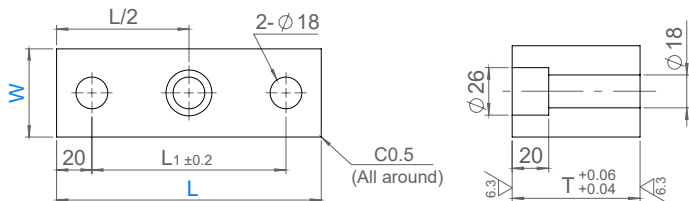
S45C

40-45HRC-(Induction Harden)

ORDER Model W - L
EXAMPLE 25SFCI120-100

Model	W	L	T	L1
25SFCI	120	100	25	60
		150		110

Model: 25SFCIB



SS400

ORDER Model W - L
EXAMPLE 25SFCIB50-100

Model	W	L	T	L1
25SFCIB	50	100	80	60
		150		110

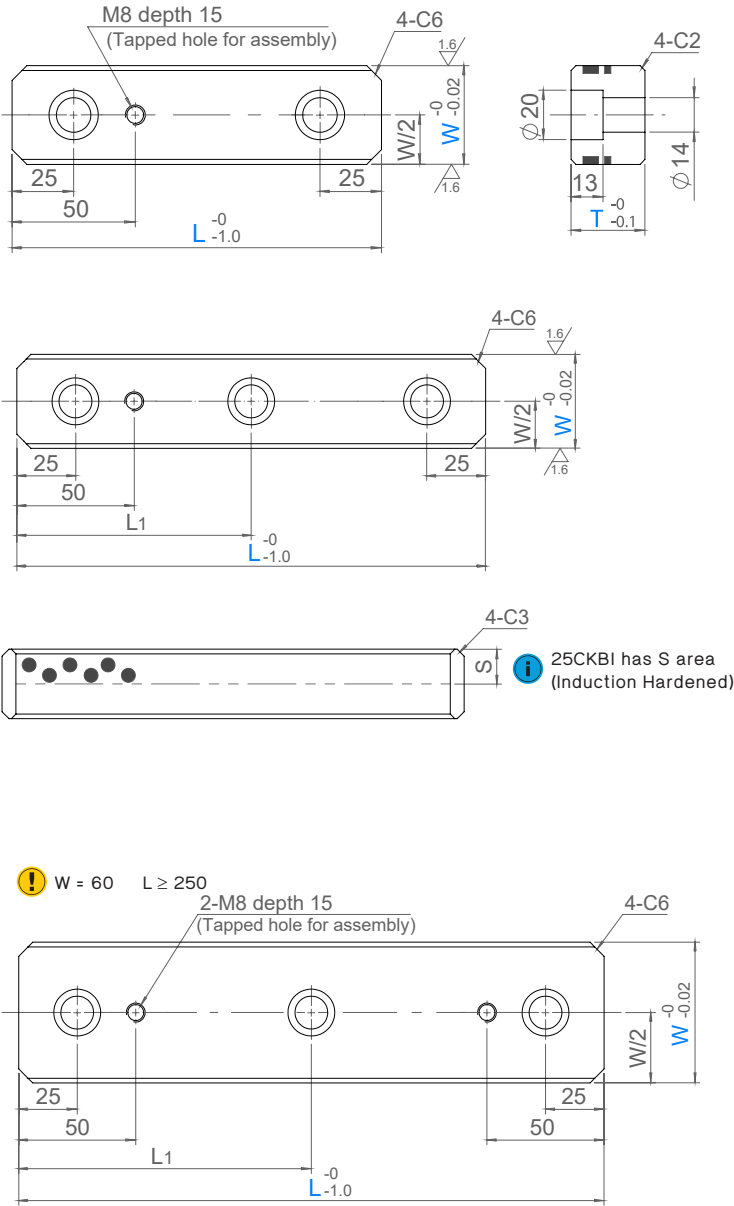
ชิ้นส่วนแคมสไลด์

CAM Center Key - แคมเซ็นเตอร์คีย์



- 25CKBF (M) FC250 + Oil Free™ Solid Lubricant
- 25CKBI (M) S50C + Oil Free™ Solid Lubricant
- 25CKBW (M) Copper Alloy + Oil Free™ Solid Lubricant
- S Area (M) 40-45HRC-(Induction Harden)

ORDER Model W - L
EXAMPLE 25CKBF30-100

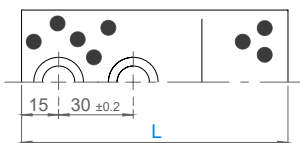


Model	W	L	T	L1	S
25CKBF 25CKBI	30	100	30	-	15
		150		-	
		200		100	
		250		125	
		300		150	
		350		175	
	40	100	30	-	15
		150		-	
		200		100	
		250		125	
		300		150	
		350		175	
25CKBF 25CKBI 25CKBW	40	100	40	-	20
		150		-	
		200		100	
		250		125	
		300		150	
		350		175	
25CKBW	60	100	40	-	25
		250		125	
		300		150	
		350		175	

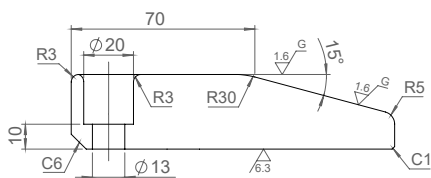
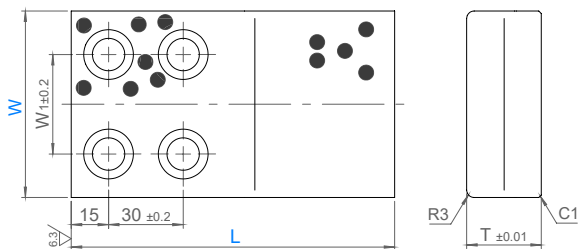


Model: 25CDPWS

! W = 50



! W = 75 -100

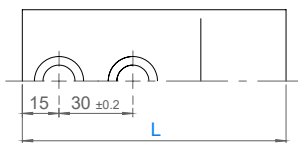


M Copper Alloy + Oil Free™ Solid Lubricant

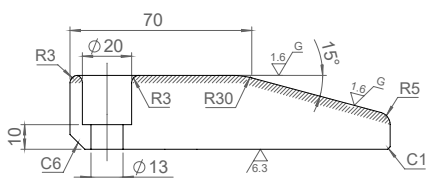
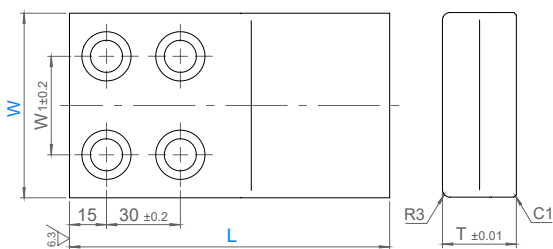


Model: 25CDPIS

! W = 50



! W = 75 -100



M S45C
55HRC~(Induction Harden)

ORDER
EXAMPLE

Model W - L
25CDPWS50-110

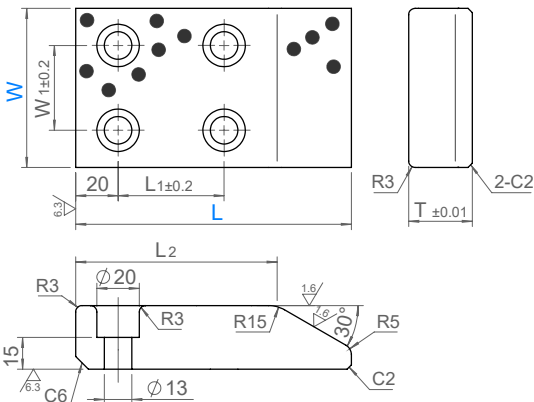
Model	W	L	T	W1
25CDPWS 25CDPIS	50	110	25	-
		130	30	
	75	110	25	40
		130	30	
	100	110	25	60
		130	30	

ชิ้นส่วนแคมสไลด์

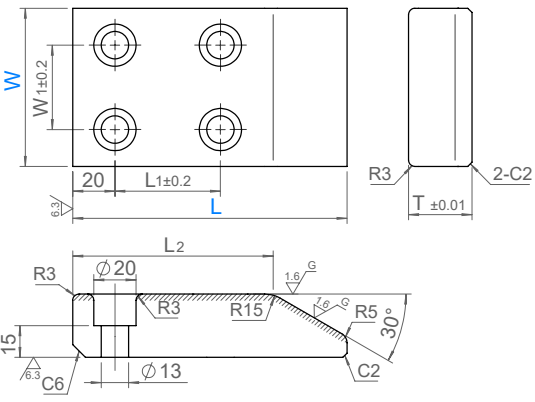
30Deg CAM Dwell Plate - แคมดเวลเพลท 30องศา



Model: 25CDPW



Model: 25CDPI



ORDER
EXAMPLE Model W - L
25CDPW100-150

(M) Copper Alloy
+ Oil Free™ Solid Lubricant

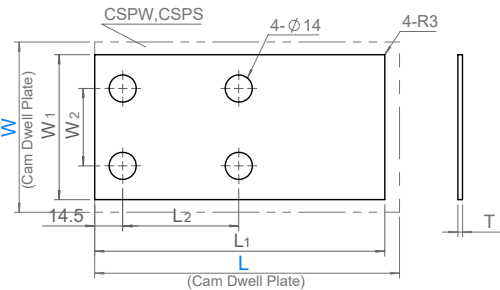
(M) S45C
55HRC-(Induction Harden)

Model	W	L	T	W1	L1	L2
25CDPW 25CDPI	75	130	30	40	50	95
		150	45		45	90
	100	130	30	60	50	95
		150	45		45	90
		170	60		75	120
		200			75	120
	125	130	30	85	50	95
		150	45		45	90
		170	60		75	120
		200			75	120
	150	130	30	110	50	95
		150	45		45	90
		170	60		75	120
		200			75	120

Cam Slides

ORDER
EXAMPLE Model W - L - T
25CMCSA100-150-0.10

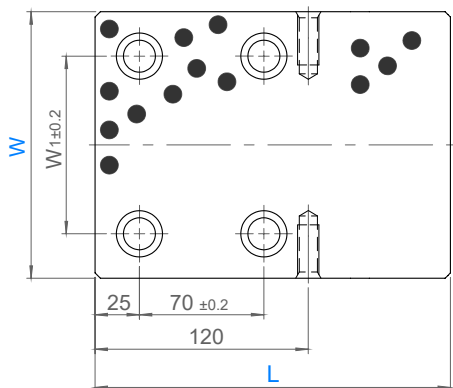
(M) Stainless Steel (Shim Grade)



Model	W	L	T	W1	L1	W2	L2
25CMCSA	75	130	0.05 0.10	65	120	40	50
		150			140		45
	100	130		90	120	60	50
		150			140		45
		170			160		75
		200			190		75
	125	130		115	120	85	50
		150			140		45
		170			160		75
		200			190		75
	150	130		140	120	110	50
		150			140		45
		170			160		75
		200			190		75



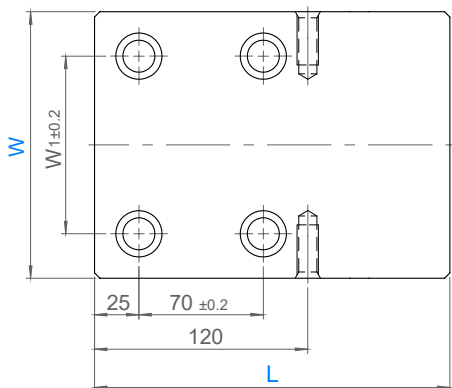
Model: 25CDPQW



(M) Copper Alloy + Oil Free™ Solid Lubricant



Model: 25CDPQI



(M) S45C
55HRC-(Induction Harden)

ORDER
EXAMPLE

Model W - L
25CDPQW150-170

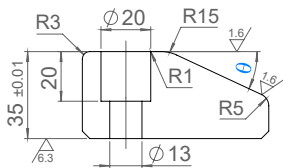
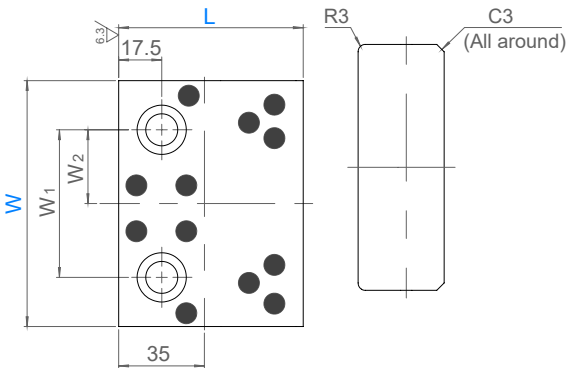
Model	W	L	T	W1
25CDPQW 25CDPQI	150	170	60	100
		200	90	
	200	170	60	140
		200	90	

ชิ้นส่วนแคมสไลด์

Compact CAM Dwell Plate - แคมดเวลเพลท รุ่นคอมแพค



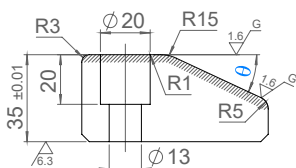
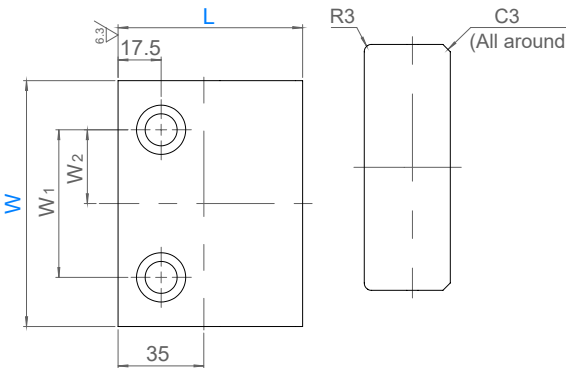
Model: 25CDPWL



Copper Alloy + Oil Free™ Solid Lubricant



Model: 25CDPIL



SK5
 58-62HRC (Induction Harden)

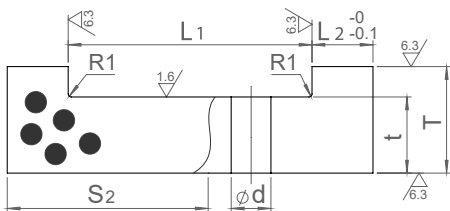
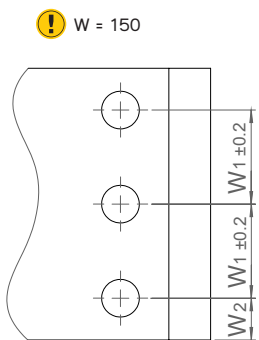
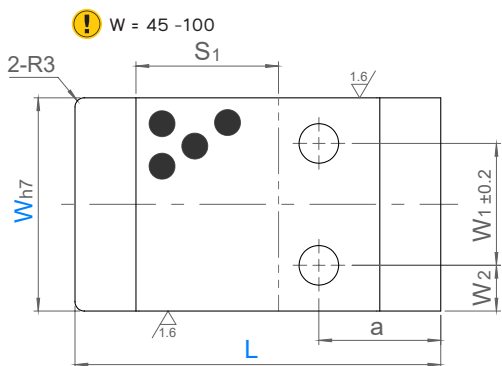
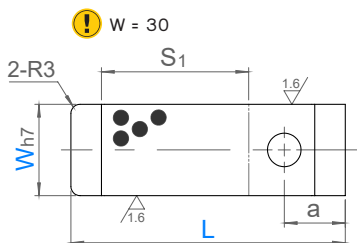
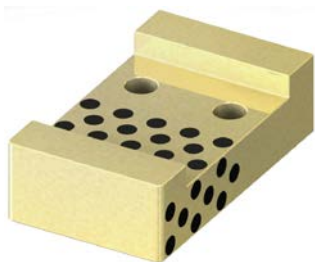
ORDER EXAMPLE	Model	W - L
	25CDPWL100-75	

Model	W	L	θ	W1	Mounting Bolts
25CDPWL 25CDPIL	100	75	25	60	M12x40 (x2pcs)
			30	110	
	150		25		
			30		

CAM Pad Guide Plate - แคมแพทไกด์เพลท

FOIL FREE™

Model: 25CPGPW



ORDER
EXAMPLE

Model W - L
25CPGPW45-70



Copper Alloy + Oil Free™ Solid Lubricant

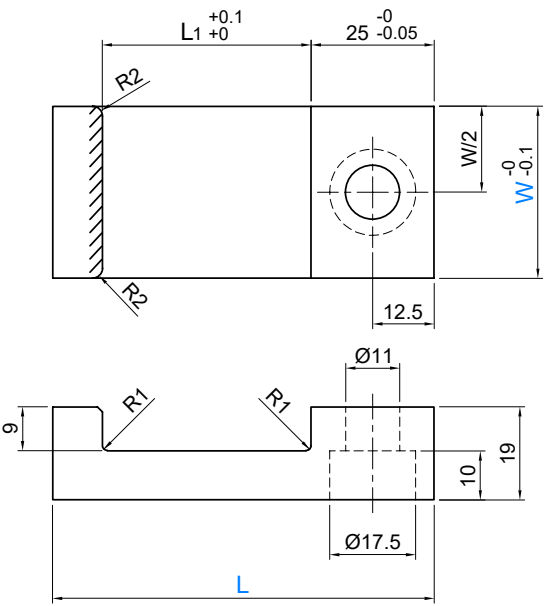
Model	W	L	T	W1	W2	L1	L2	t	a	d	S1	S2	W h7
25CPGPW	30	70	17	-	-	50	10	12	20	11	30	40	30
		90				70					50	60	
	45	70	25	22	11.5	50	10	15	20	11	30	40	45
		90				70					50	60	
	60	120	35	30	15	80	20	25	40	13	40	60	60
		140				100					60	80	
		160				120					80	100	
	100	120	35	70	15	80	20	25	40	18	40	60	100
		140				100					60	80	
		160				120					80	100	
	150	120	35	60	15	80	20	25	40	18	40	60	100
		140				100					60	80	
		160				120					80	100	
		180				140					100	120	

ชิ้นส่วนแคมสไลด์

CAM Positive Return Follower - แคมโพซิทีฟรีเทอว์น



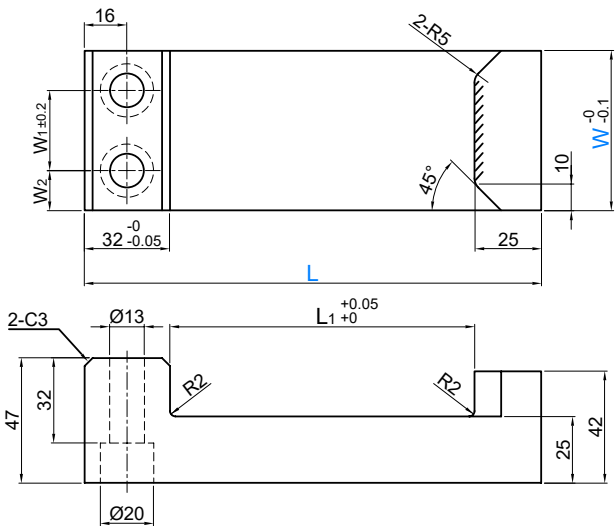
Model: 25CPRIH



ORDER Model W - L S45C
EXAMPLE 25CPRIH30-67.5 50-60HRC (Induction Harden)

Model	W	L	L1
25CPRIH	30	67.5	32.4
	35	77.5	42.4

Model: 25CPRI



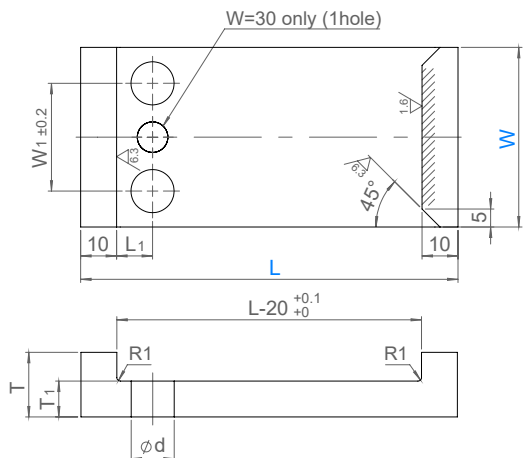
ORDER Model W - L S45C
EXAMPLE 25CPRI60-191 55HRC-(Induction Harden)

Model	W	L	L1	W1	W2
25CPRI	60	171	114	30	15
		191	134		
	80	171	114	40	20
		191	134		

CAM Positive Return Follower - แคมโพสิทีฟรีเทอว์น

OF OIL FREE™

Model: 25CPRIE



ORDER
EXAMPLE

Model W - L
25CPRIE30-55



S45C

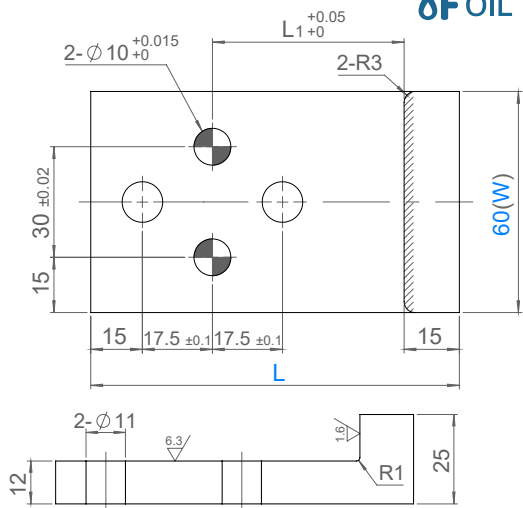
55HRC-(Induction Harden)

Model	W	L	W1	L1	d (Bolt Size)	T	T1	No. Bolt Holes
25CPRIE	30	55	-	7.5	10 (M8)	16	8	1
		75						
	50	65	30	10	12 (M10)	18	10	2
		85						
		105						

CAM Positive Return Follower - แคมโพสิทีฟรีเทอว์น

OF OIL FREE™

Model: 25CPRIF



ORDER
EXAMPLE

Model W - L
25CPRIF60-100



SK5

55HRC-(Induction Harden)

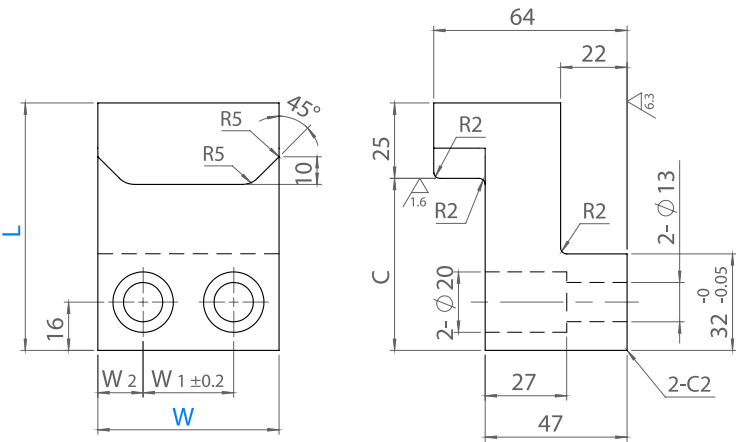
Model	W	L	L1
25CPRIF	60	100	52.5
		120	72.5

ชิ้นส่วนแคมสไลด์

CAM Positive Return Follower - แคมโพซิทีฟรีเทิร์น



Model: 25CKRZW



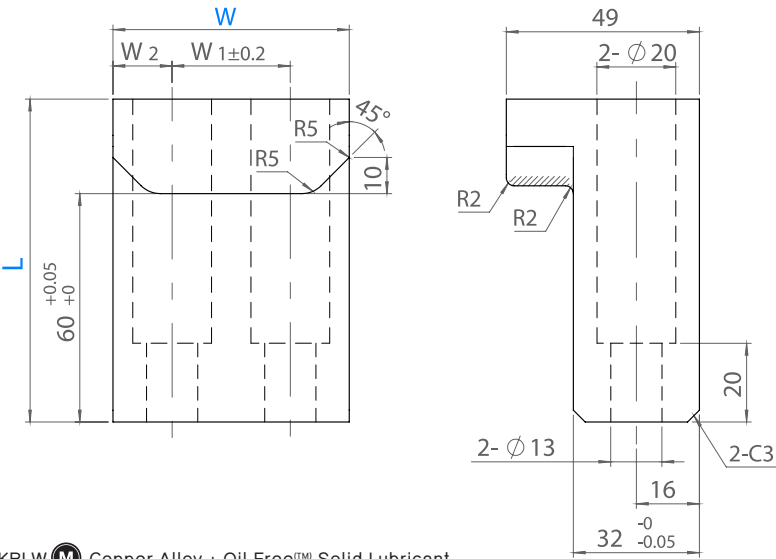
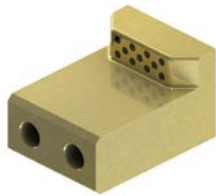
ORDER Model W - L
EXAMPLE 25CKRZW60-82 Copper Alloy + Oil Free™ Solid Lubricant

Model	W	L	W1	W2	C
25CKRZW	60	82	30	15	57
		102			77
		112			87
	80	82	40	20	57
		102			77
		112			87

CAM Positive Return Follower - แคมโพซิทีฟรีเทิร์น



Model: 25CKRLW



Model: 25CKRLI

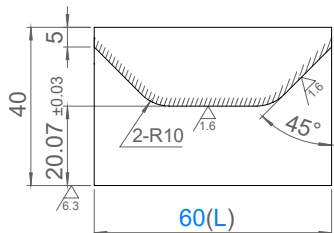
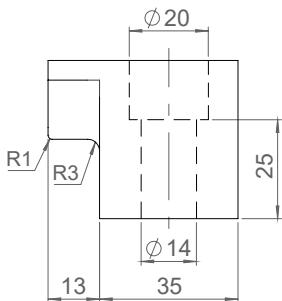
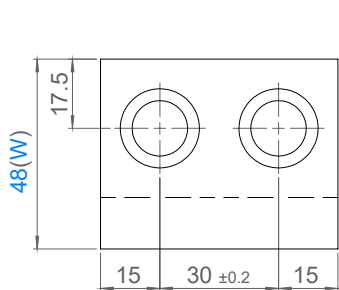
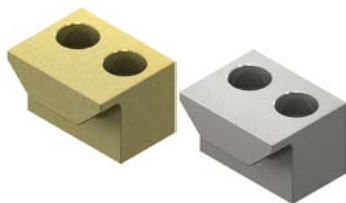


ORDER Model W - L 25CKRLW Copper Alloy + Oil Free™ Solid Lubricant
EXAMPLE 25CKRLW60-85 25CKRLI S45C + Oil Free™ Solid Lubricant 55HRC-(Induction Harden)

Model	W	L	W1	W2
25CKRLW	60	85	30	15
25CKRLI	80		40	20

CAM Positive Return Follower - แคมโพสิทีฟรีเทิร์น

Oil Free™



- 25CPKW Copper Alloy + Oil Free™ Solid Lubricant
 25CPKI SS400
 25CPKH S45C + Oil Free™ Solid Lubricant
 55HRC-(Induction Harden)

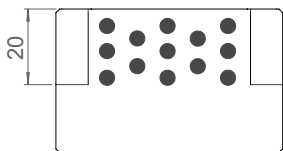
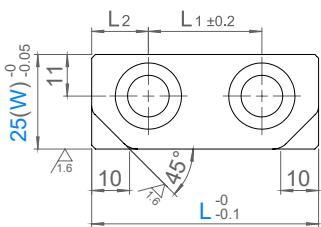
ORDER EXAMPLE Model W - L
 25CPKW48-60

Model	W	L
25CPKW 25CPKS 25CPKK	48	60

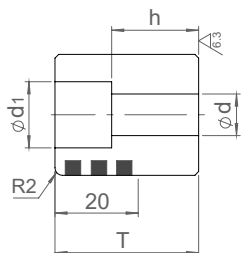
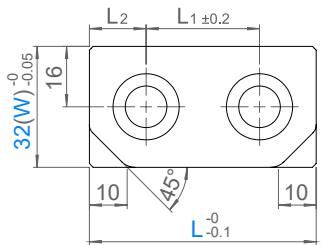
CAM Positive Return Follower - แคมโพสิทีฟรีเทิร์น

Oil Free™

Model: 25CPBW



Model: 25CPBWS



ORDER EXAMPLE Model W - L 25CPBW Copper Alloy + Oil Free™ Solid Lubricant
 25CPBWS Copper Alloy

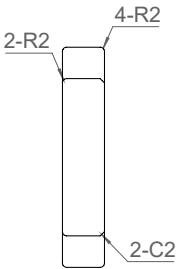
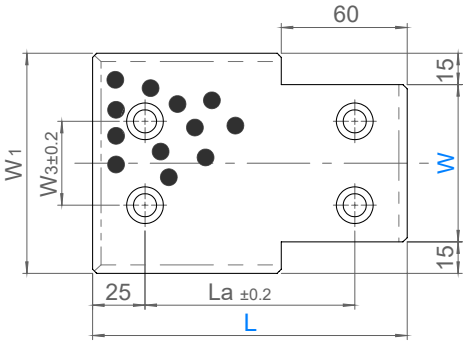
Model	W	L	T	L1	L2	d	d1	h
25CPBW 25CPBWS	25	60	30	30	15	11	17.5	18
	32	60	38	30	15	13	20	23
		80		40	20			

ชิ้นส่วนแคมสไลด์

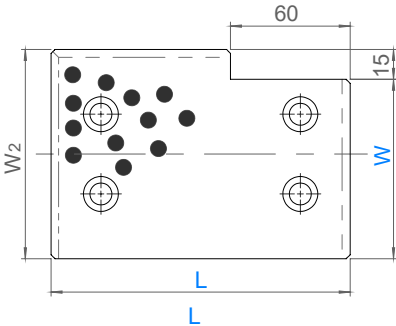
CAM Positive Return Plate - แคมโพสิทีฟรีเทอรันเพลท



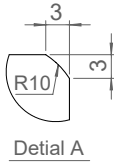
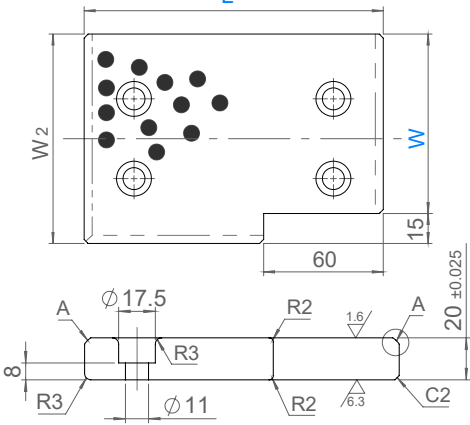
Model: 25CRPW



Model: 25CRPWL



Model: 25CRPWR



ORDER
EXAMPLE

Model W - L
25CRPW75-100

Copper Alloy + Oil Free™ Solid Lubricant

Model	W	L	W1	W2	W3	La
25CRPW 25CRPWR 25CRPWL	75	100	105	90	40	50
		125				75
		150				100
	100	125	130	115	50	75
		150				100
		150				100
	125	150	155	140	75	100
		200				150
		250				200
	150	200	180	165	100	150
		250				200

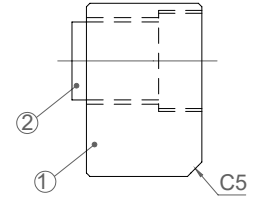
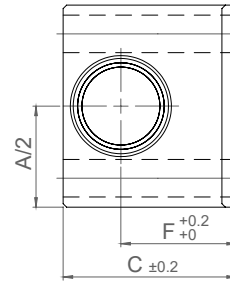
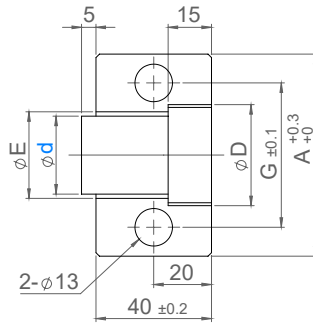
CAM Stopper - ชุดหยุดแคม

OF OIL FREE™



Model: 25CSTA

- ① (M) SS400
- ② Urethane
- Polyester Based
- Hardness : Shore A90



ORDER
EXAMPLE

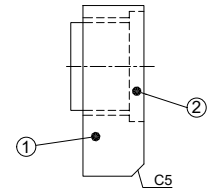
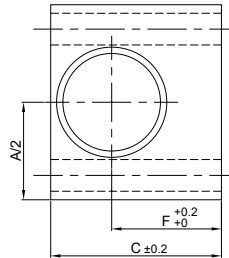
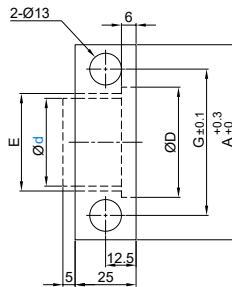
Model d
25CSTA27

Model	d	A	C	D	E	F	G	Load N
25CSTA	27	70	60	35	30	40	50	5200
	36	80	70	45	40	45	60	9800



Model: 25CSTU

- ① (M) SS400
- ② Urethane
- Polyester Based
- Hardness : Shore A90



ORDER
EXAMPLE

Model d
25CSTU27

Model	d	A	C	D	E	F	G	Load N
25CSTU	27	70	60	35.2	30	40	50	2100
	36	80	70	45.2	40	45	60	4200

Shock Absorbing Stopper - ชุดรับแรงกระแทก

OF OIL FREE™

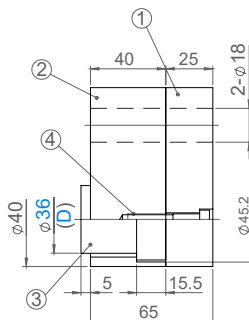
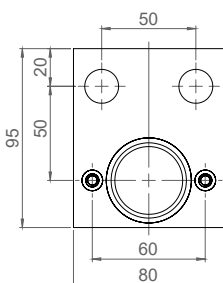


Model: 25UCST

ORDER
EXAMPLE

Model D
25UCST36

Model	D
25UCST	36

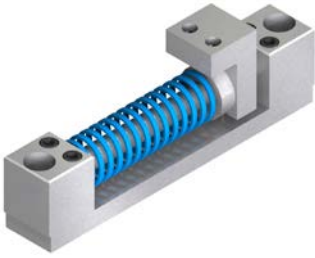


No.	Description	Qty	Material and Remark
①	Set Plate	1	SS400
②	Holder Plate	1	SS400
③	Urethane Support	1	Urethane Shore A90
④	Hexagon Socket Head Bolt	2	SCM435 M6 X 30

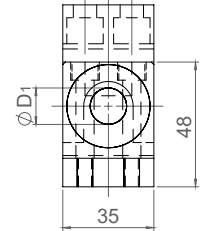
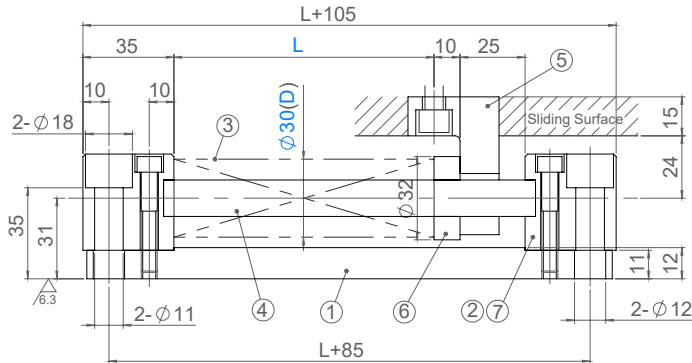
ชิ้นส่วนแคมสไลด์

Spring Unit for Cam Return - ชุดสปริงรีเทิร์น

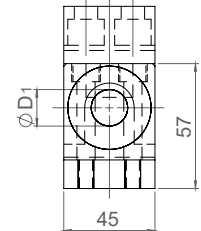
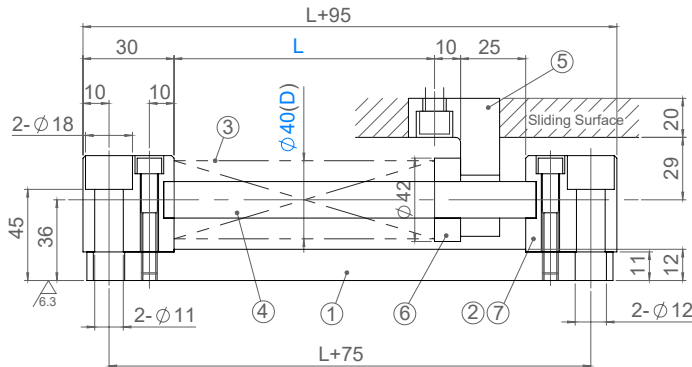
FOIL FREE™



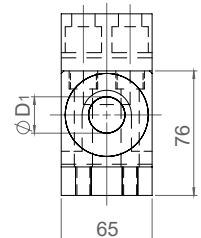
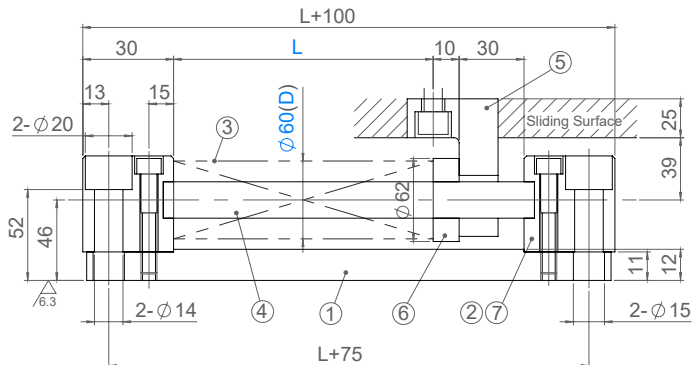
Model:
25TOKSL30



Model:
25TOKSF40
25TOKSL40



Model:
25TOKSF60
25TOKSL60



No.	Description	Qty	Material and Remark	No.	Description	Qty	Material and Remark
①	Base Plate	1	SS400	⑤	Return Plate	1	SS400
②	Spring Block	2	SS400	⑥	Washer	1	FC250
③	Spring	1	19SL / 19SF	⑦	Hexagon Socket Head Bolt	4	SCM435
④	Spring Guide Pin	1	S45C				

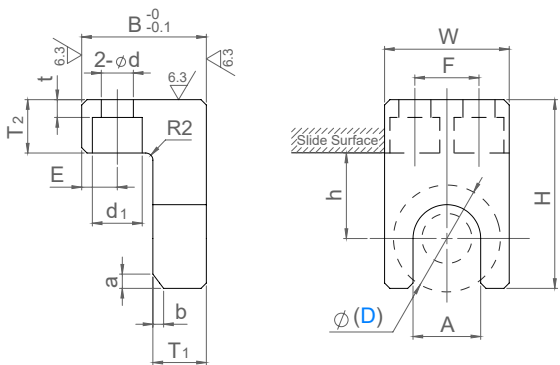
Spring Unit for Cam Return - ชุดสปริงรีเทิร์น

FOIL FREE™

ORDER Model D - L
EXAMPLE 25TOKSL40-90

Model	Spring DxL		Spring Color	Spring (1M Strokes)		Spring (300K Strokes)		Spring Constant (N/mm)	D1
	D	L		Stroke	Load N	Stroke	Load N		
25TOKSL	30	100	Blue	32	951	40	1187	29.69	14
		125		40		50		23.76	
		150		48		60		19.80	
		175		56		70		16.97	
25TOKSF	40	90	Yellow	36	1000	45	1255	27.85	20
		125		50		62.5		20.05	
		150		60		75		16.71	
25TOKSL	40	125	Blue	40	1697	50	2120	42.29	19
		150		48		60		35.24	
		175		56		70		30.21	
		200		64		80		26.43	
		250		80		100		21.14	
25TOKSF	60	125	Yellow	50	2260	62.5	2820	45.16	31.8
		150		60		75		37.63	
		175		70		87.5		32.25	
		200		80		100		28.22	
		250		100		125		22.58	
		300		120		150		18.81	
25TOKSL	60	125	Blue	40	3810	50	4770	95.33	28.6
		150		48		60		79.44	
		175		56		70		68.1	
		200		64		80		59.58	
		250		80		100		47.67	
		300		96		120		39.72	

Model: 25TRP



ORDER Model D
EXAMPLE 25TRP40

M SS400

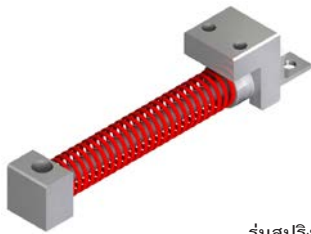
Model	D	W	B	H	A	h	T1	T2	F	E	d	d1	a	b	t
25TRP	30	35	35	53	21	24	15	15	18	10	9	14	4	3	5
	40	45	40	69	25	29	15	20	25	10	9	14	5	3	10
	60	65	50	94	37	39	20	25	4	15	13	20	10	5	10

ชิ้นส่วนแคมสไลด์

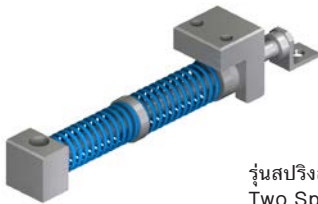
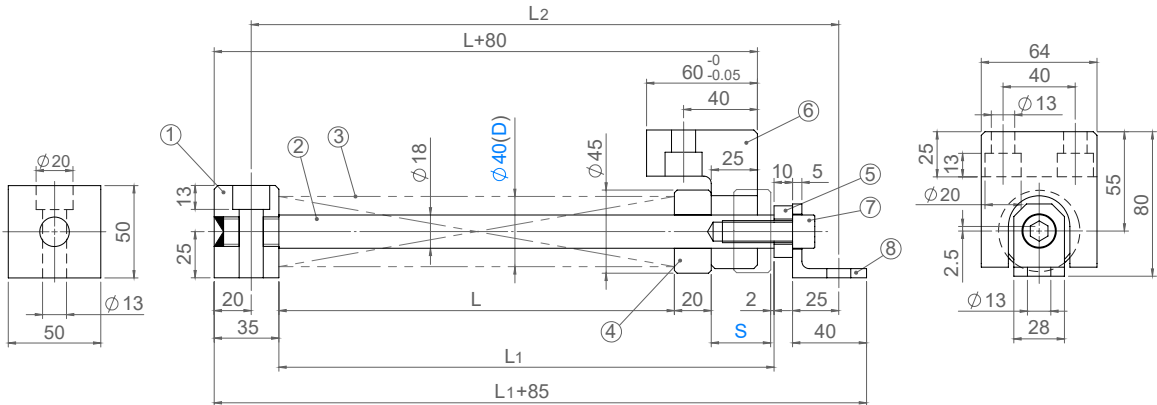
Spring Unit for Cam Return (Spring 40mm) - ชุดสปริงรีเทิร์น สปริงขนาด 40 มม

FOIL FREE™

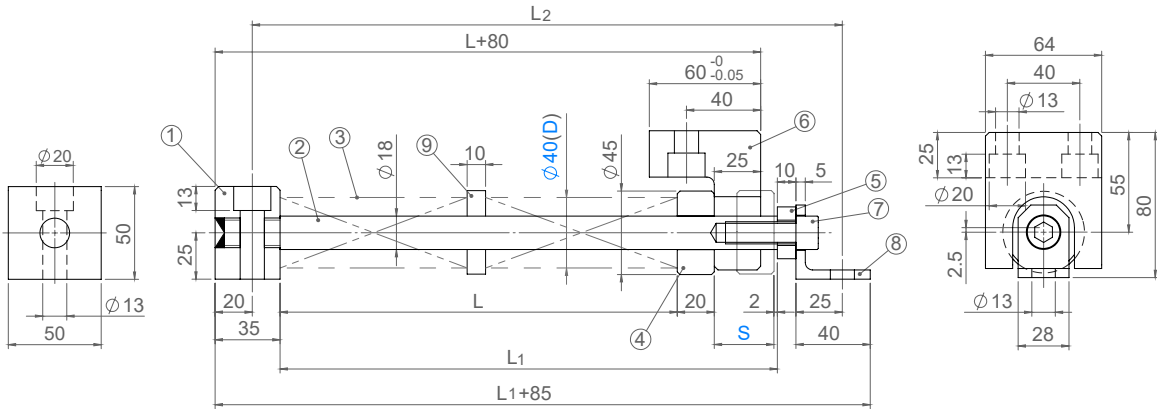
Model: 25SUL40
25SUM40



รุ่นสปริงขึ้นเดียว
One Spring Type



รุ่นสปริงสองขึ้น
Two Spring Type



No.	Description	Qty	Material and Remark	No.	Description	Qty	Material and Remark
①	Spring Block	1	SS400	⑥	Return Plate	1	SS400
②	Spring Guide Pin	1	S45C Hardness : HRC55 or more	⑦	Hexagon Socket Head Bolt	1	SCM435 M12 X 40
③	Spring	1(2)	Refer to the standard table	⑧	Angle	1	SS400
④	Spring Retainer	1	FC250	⑨	Collar	1	FC250
⑤	Washer	1	SS400				

Spring Unit for Cam Return (Spring 40mm) - ชุดสปริงรีเทิร์น สปริงขนาด 40 มม

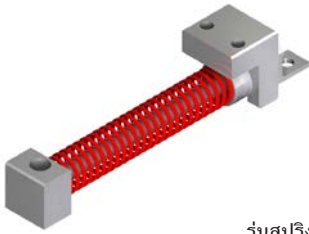


ORDER EXAMPLE	Model	D - S
	25SUL40-50	

Model	D	Stroke S	Spring Size (DiaxLenght)	Spring No.	Spring Color	Load (N)		L	L1	L2
						min	max			
25SUL	40	20	40x100	1	Blue	635	1695	68	110	160
		25	40x125			632		85	132	182
		30	40x150			635		102	154	204
		35	40x150			459		102	159	209
		40	40x175			485		119	181	231
		45	40x200			503		136	203	253
		50	40x250			647		170	242	292
		55	40x250			539		170	247	297
		60	40x150	627		214		296	346	
		65	40x150	547		214		301	351	
		70	40x175	633		248		340	390	
		75	40x175	562		248		345	395	
		80	40x200	635		282		384	434	
		85	40x200	568		282		389	439	
		90	40x200	503		282		394	444	
		95	40x200	436		282		399	449	
		100	40x250	647		350		472	522	
		105	40x250	593		350		477	527	
		110	40x250	539		350		482	532	
25SUM	40	20	40x125	1	Red	940	2510	93	135	185
		25	40x150			914		111	158	208
		30	40x200			1027		149	201	251
		35	40x225			957		168	225	275
		40	40x250			938		186	248	298
		45	40x300			1012		224	291	341
		50	40x175	1119		270		342	392	
		55	40x175	979		270		347	397	
		60	40x200	1027		308		390	440	
		65	40x200	905		308		395	445	
		70	40x225	1001		344		436	486	
		75	40x250	1039		382		479	529	
		80	40x250	941		382		484	534	

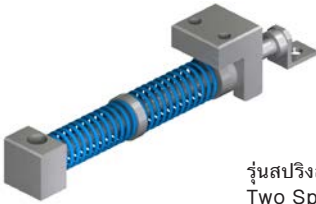
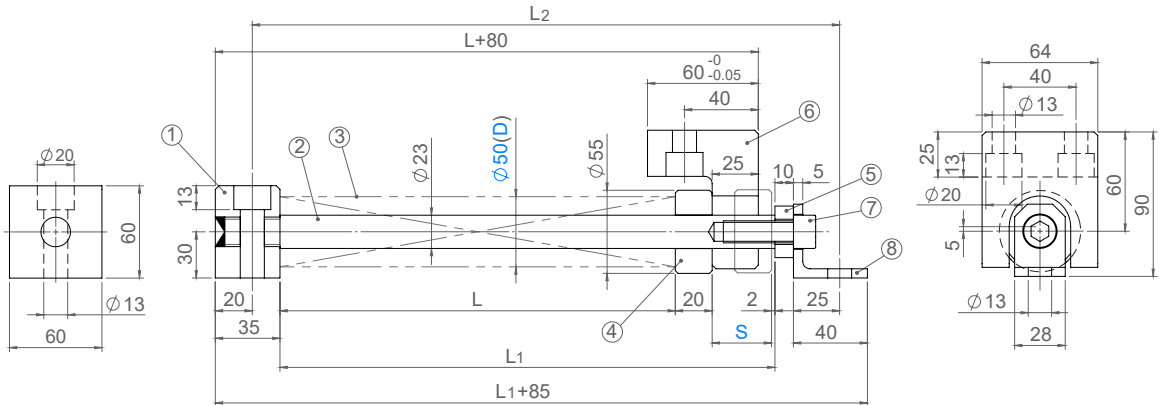
ชั้นส่วนแคมสไลด์

Spring Unit for Cam Return (Spring 50mm) - ชุดสปริงรีเทิร์น สปริงขนาด 50 มม

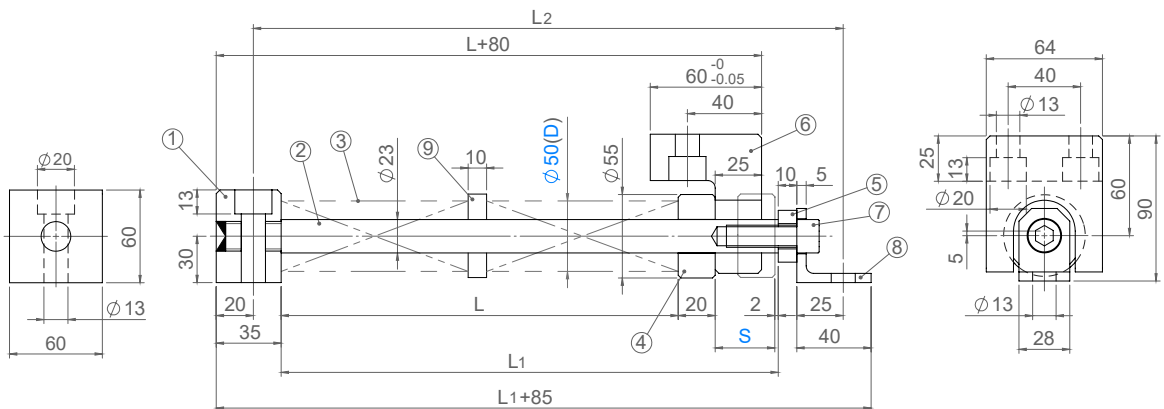


Model: 25SUL50
25SUM50

รุ่นสปริงขึ้นเดียว
One Spring Type



รุ่นสปริงสองชั้น
Two Spring Type



No.	Description	Qty	Material and Remark	No.	Description	Qty	Material and Remark
①	Spring Block	1	SS400	⑥	Return Plate	1	SS400
②	Spring Guide Pin	1	S45C Hardness : HRC55 or more	⑦	Hexagon Socket Head Bolt	1	SCM435 M12 X 40
③	Spring	1(2)	Refer to the standard table	⑧	Angle	1	SS400
④	Spring Retainer	1	FC250	⑨	Collar	1	FC250
⑤	Washer	1	SS400				

Spring Unit for Cam Return (Spring 50mm) - ชุดสปริงรีเทิร์น สปริงขนาด 50 มม



ORDER	Model	D - S
EXAMPLE	25SUL50-75	

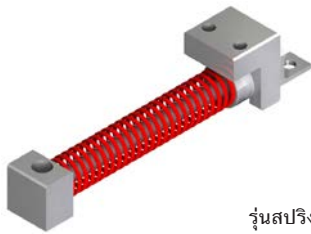
Model	D	Stroke S	Spring Size (DiaxLengt)	Spring No.	Spring Color	Load (N)		L	L1	L2
						min	max			
25SUL	50	20	50x100	1	Blue	1020	2700	68	110	160
		25	50x125			1020		85	132	182
		30	50x150			1080		102	154	204
		35	50x150			728		102	159	209
		40	50x175			768		119	181	231
		45	50x200			798		136	203	253
		50	50x250			1020		170	242	292
		55	50x250			850		170	247	297
		60	50x300			1010		214	296	346
		65	50x300			868		214	301	351
		70	50x300			728		248	340	390
		75	50x175	888		248		345	395	
		80	50x200	1010		282		384	434	
		85	50x200	903		282		389	439	
		90	50x200	798		282		394	444	
		95	50x200	693		282		399	449	
		100	50x250	1020		350		472	522	
		105	50x250	935		350		477	527	
		110	50x250	850		350		482	532	
		115	50x250	765		350		487	537	
		120	50x300	1010		418		560	610	
		125	50x300	938		418		565	615	
		130	50x300	868		418		570	620	
		135	50x300	798		418		575	625	
		140	50x300	728		418		580	630	
		145	50x300	658		418		585	635	
		150	50x300	588		418		590	640	
25SUM	50	20	50x125	1	Red	1470	3920	93	135	185
		25	50x150			1428		111	158	208
		30	50x200			1607		149	201	251
		35	50x225			1496		168	225	275
		40	50x250			1470		186	248	298
		45	50x300			1580		224	291	341
		50	50x350			1705		270	342	392
		55	50x350			1486		270	347	397
		60	50x200	1990		308		390	440	
		65	50x200	1799		308		395	445	
		70	50x225	1904		344		436	486	
		75	50x250	1929		382		479	529	
		80	50x250	1776		382		484	534	

ชิ้นส่วนแคมสไลด์

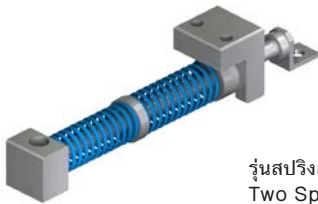
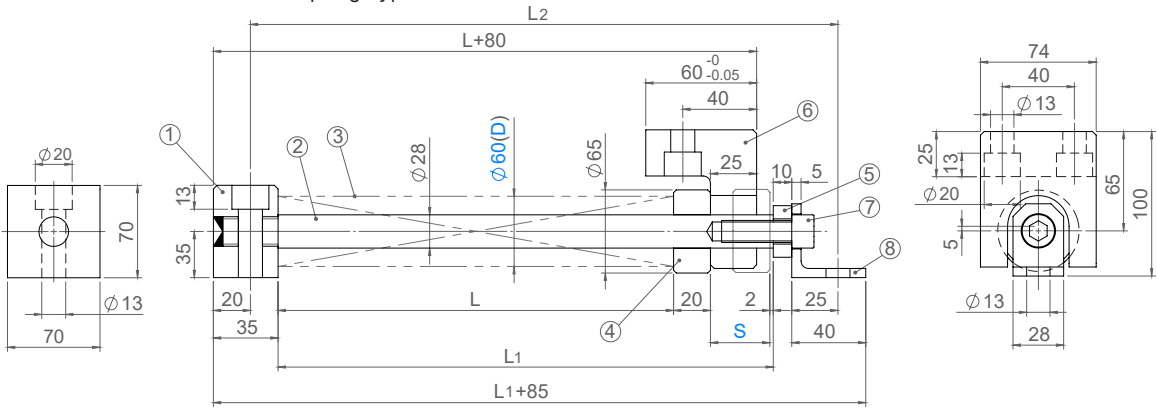
Spring Unit for Cam Return (Spring 60mm) - ชุดสปริงรีเทิร์น สปริงขนาด 60 มม

FOIL FREE™

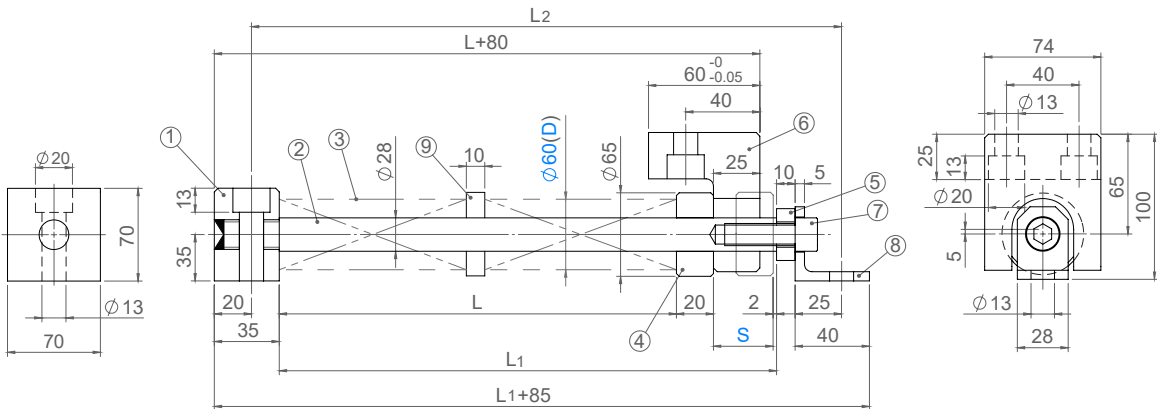
Model: 25SUL60
25SUM60



รุ่นสปริงชิ้นเดียว
One Spring Type



รุ่นสปริงสองชิ้น
Two Spring Type



No.	Description	Qty	Material and Remark	No.	Description	Qty	Material and Remark
①	Spring Block	1	SS400	⑥	Return Plate	1	SS400
②	Spring Guide Pin	1	S45C Hardness : HRC55 or more	⑦	Hexagon Socket Head Bolt	1	SCM435 M12 X 40
③	Spring	1(2)	Refer to the standard table	⑧	Angle	1	SS400
④	Spring Retainer	1	FC250	⑨	Collar	1	FC250
⑤	Washer	1	SS400				

Spring Unit for Cam Return (Spring 60mm) - ชุดสปริงรีเทิร์น สปริงขนาด 60 มม

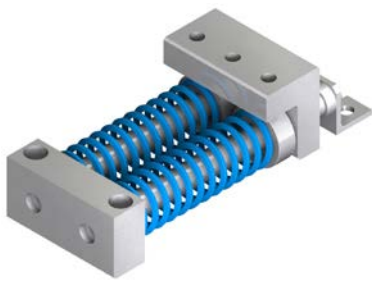


ORDER EXAMPLE	Model	D - S
	25SUL60-75	

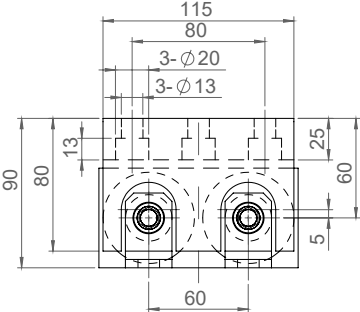
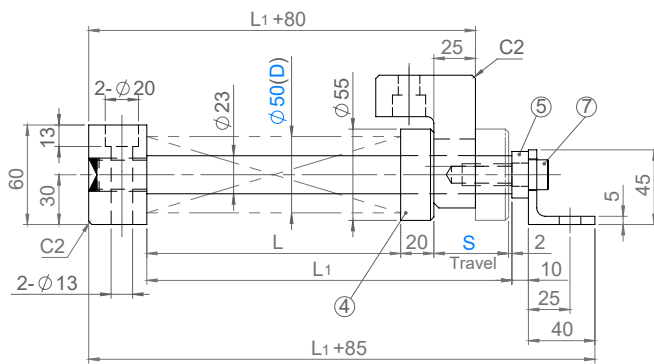
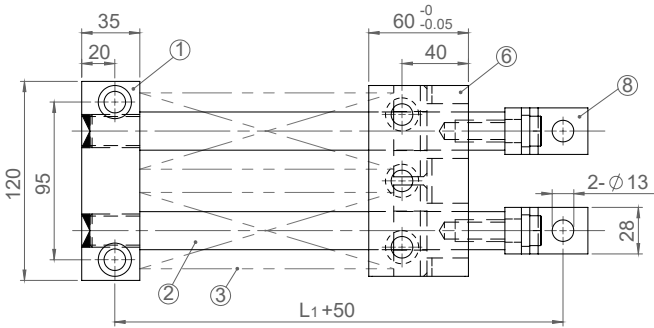
Model	D	Stroke S	Spring Size (DiaxLengt)	Spring No.	Spring Color	Load (N)		L	L1	L2
						min	max			
25SUL	60	20	60x100	1	Blue	1464	3890	68	110	160
		25	60x125			1455		85	132	182
		30	60x150			1458		102	154	204
		35	60x150			1053		102	159	209
		40	60x175			1104		119	181	231
		45	60x200			1159		136	203	253
		50	60x250			1470		170	242	292
		55	60x250			1225		170	247	297
		60	60x300			1476		214	296	346
		65	60x300			1271		214	301	351
		70	60x300			1066		248	340	390
		75	60x175	1276		248		345	395	
		80	60x200	1464		282		384	434	
		85	60x200	1331		282		389	439	
		90	60x200	1159		282		394	444	
		95	60x200	1006		282		399	449	
		100	60x250	1470		350		472	522	
		105	60x250	1347		350		477	527	
		110	60x250	1225		350		482	532	
		115	60x250	1103		350		487	537	
		120	60x300	1476		418		560	610	
		125	60x300	1373		418		565	615	
		130	60x300	1271		418		570	620	
		135	60x300	1168		418		575	625	
		140	60x300	1066		418		580	630	
		145	60x300	963		418		585	635	
		150	60x300	861		418		590	640	
25SUM	60	20	60x125	1	Red	2116	5640	93	135	185
		25	60x150			2057		111	158	208
		30	60x200			2313		149	201	251
		35	60x225			2154		168	225	275
		40	60x250			2116		186	248	298
		45	60x300			2275		224	291	341
		50	60x350			2454		261	333	383
		55	60x350			2139		261	338	388
		60	60x200	2864		298		380	430	
		65	60x200	2589		298		385	435	
		70	60x225	2741		334		426	476	
		75	60x250	2775		372		469	519	
		80	60x250	2555		372		474	524	

ชิ้นส่วนแคมสไลด์

Double Spring Unit for Cam Return (Spring 50mm) - ชุดสปริงรีเทิร์นคู่ สปริงขนาด 50 มม



Model:
25SWUL50 (สีฟ้า Light Load)
25SWUM50 (สีแดง Medium Load)



No.	Description	Qty	Material and Remark	No.	Description	Qty	Material and Remark
①	Spring Block	1	SS400	⑤	Washer	2	SS400
②	Spring Guide Pin	2	S45C HRC55 -	⑥	Return Plate	1	SS400
③	Spring	2(4)	standard table	⑦	Hexagon Socket Bolt	2	SCM435 M12 X 40
④	Spring Retainer	2	FC250	⑧	Angle	2	SS400

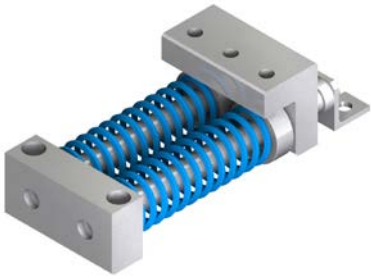
ORDER	Model	D - S
EXAMPLE	25SWUL50-50	

Model	D	Stroke S	Spring Color	L	L1	Spring Size (DiaxLenght)	Spring No.	Spring Load (N)		
								initial	end	
25SWUL	50	20	Blue	68	110	50x100	2	2040	5400	
		25		85	132	50x125		2040		
		30		102	154	50x150		2160		
		35			159	50x150		1456		
		40		119	181	50x175		1536		
		45		136	203	50x200		1596		
		50		170	242	50x250		2040		
		55			247	50x250		1700		
		60		204	286	50x300		2020		
		65			291	50x300		1736		
		70			296	50x300		1456		
								1456		
25SWUM	50	20	Red	93	135	50x125	2	2940	7840	
		25		111	158	50x150		2857		
		30		149	201	50x200		3215		
		35		168	225	50x225		2993		
		40		186	248	50x250		2940		
		45		224	291	50x300		3160		
		50		261	333	50x350		3409		
		55			338	50x350		2972		
		60		298	380	50x200	4	3980		
		65			385	50x200		3597		
		70			334	426		50x225		3809
										3809

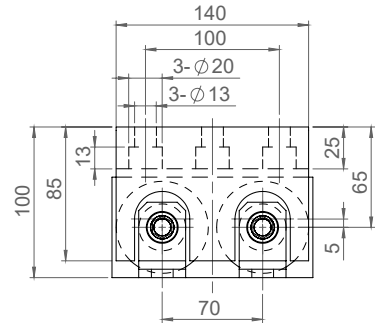
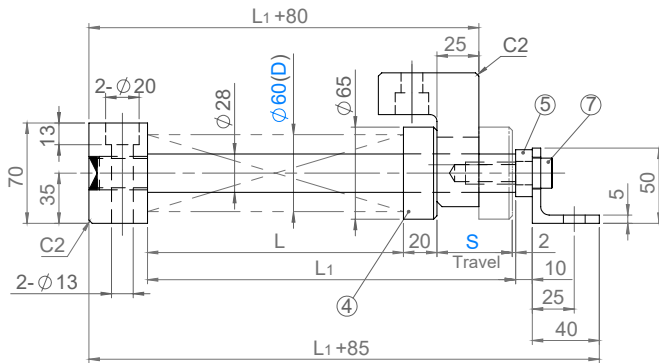
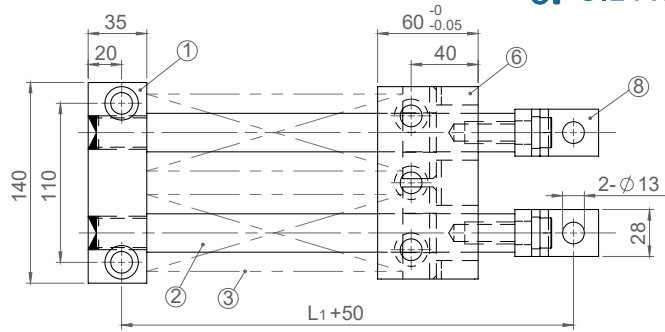
CAM SLIDES COMPONENTS

Double Spring Unit for Cam Return (Spring 60mm) - ชุดสปริงรีเทิร์นคู่ สปริงขนาด 60 มม

Oil Free™



Model:
25SWUL60 (สีฟ้า Light Load)
25SWUM60 (สีแดง Medium Load)



No.	Description	Qty	Material and Remark	No.	Description	Qty	Material and Remark
①	Spring Block	1	SS400	⑤	Washer	2	SS400
②	Spring Guide Pin	2	S45C HRC55 -	⑥	Return Plate	1	SS400
③	Spring	2(4)	standard table	⑦	Hexagon Socket Bolt	2	SCM435 M12 X 40
④	Spring Retainer	2	FC250	⑧	Angle	2	SS400

ORDER EXAMPLE Model D - S
25SWUL60-50

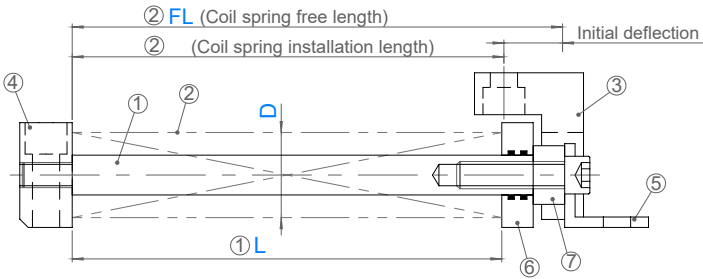
Model	D	Stroke S	Spring Color	L	L1	Spring Size (DiaXLenght)	Spring No.	Spring Load (N)			
								initial	end		
25SWUL	60	20	Blue	68	110	60x100	2	2928	7780		
		25		85	132	60x125		2910			
		30		102	154	60x150		2916			
		35			159	60x150		2106			
		40		119	181	60x175		2208			
		45		136	203	60x200		2318			
		50		170	242	60x250		2940			
		55			247	60x250		2450			
		60		204	286	60x300		2952			
		65			291	60x300		2542			
		70			296	60x300		2132			
25SWUM	60	20	Red	93	135	60x125	2	4231	11280		
		25		111	158	60x150		4113			
		30		149	201	60x200		4626			
		35		168	225	60x225		4308			
		40		186	248	60x250		4229			
		45		224	291	60x300		4551			
		50		261	333	60x350		4907			
		55			338	60x350		4278			
		60		298	380	60x200	4	5728			
		65			385	60x200		5177			
		70									
					334	426		60x225		5483	

ชิ้นส่วนแคมสไลด์

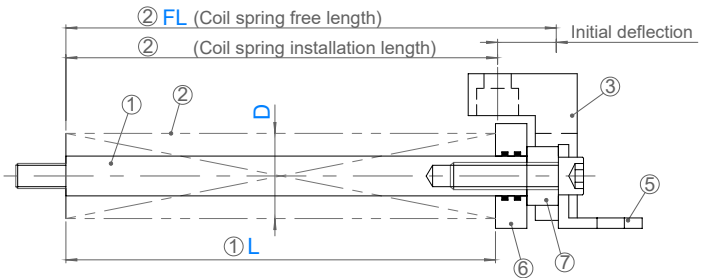
CAM Return Units - ชุดรีเทิร์นของแคม



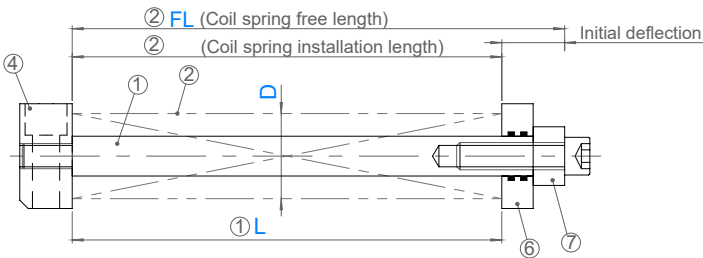
Model: 25SUKI (ชุดเต็ม Complete Set)



Model: 25SUKS (with Slide Angle)



Model: 25SUKA (with Fixed Plate)



- ① **M** Guide Pin
S45C
50HRC-
(Induction Harden)
- ② Coil Spring
- ③ **M** Slide Angle
SS400
- ④ **M** Fixed Plate
SS400
Hex Socket Head Bolt
- ⑤ **M** Support Angle
SS400
- ⑥ **M** Separate Disk
FC250
Oil Free™ Solid Lubricant
- ⑦ **M** Pressure Disk
SS400

i ข้อมูลขนาดอื่นๆในหน้าถัดไป
Other dimensions in next page

Cam Slides

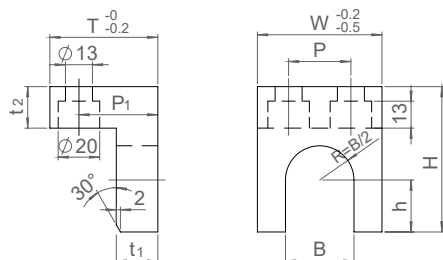
ORDER	Model	D - Spring Type - FL - L
EXAMPLE	25SUKI60-F-150-L140	

! ความยาว FL 400 ขึ้นไปมีเฉพาะสปริงแบบ F เท่านั้น
FL 400 and over only available for Spring Type F

D	Spring Type	FL	L (1mm increments)											
			FL 90	FL 100	FL 125	FL 150	FL 175	FL 200	FL 250	FL 300	FL 350	FL *400	FL *450	FL *500
40	F (Yellow) L (Blue)	90	68 - 90	80 - 100	90 - 125	105 - 150	130 - 175	145 - 200	195 - 250	-	-	-	-	-
50		100			95 - 125	110 - 150	120 - 175	135 - 200	185 - 250	225 - 300	275 - 350	325 - 400	375 - 450	425 - 500
60		125												
70		150												
		175												
40	M (Red) H (Green)	200	68 - 90	80 - 100	90 - 125	105 - 150	130 - 175	145 - 200	195 - 250	-	-	-	-	-
50		250												
60		300												
		350												

D	① Guide Pin					③ Slide Angle										④ Fixed Plate					⑤ Support Angle			
	D1	D2	D3	MxP	ℓ	H	h	W	B	P	T	t1	t2	P1	T1	A	P2	H1	t3	a	H2	h1	d	
40	19	50	28	12x1.75	24	70	25	60	33	30	50	20	20	35	25	55	30	50	15	27	40	25	19	
50	24	60	36	16x2.0	28	85	30	70	41	40	60	25	25	40	32	60	35	60	20	35	48	30	25	
60	29	70	43			95	35	80	48	50						70	40	70	30	42	56	35		
70	35	80	48	20x2.5	33	97	27	90	54	50	63	28	28	43	35	80	45	80	30	43	65	40	31	

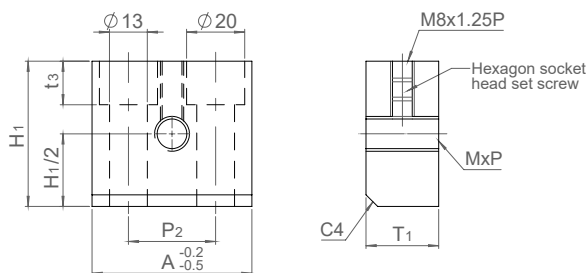
③ Model: 25SUKSA (Slide Angle)



ORDER	Model	D
EXAMPLE	25SUKSA50	

Model	D	Spring OD
25SUKSA 25SUKFP 25SUKFA	40	40
	50	50
	60	60
	70	70

④ Model: 25SUKFP (Fixed Plate)



⑤ Model: 25SUKFA (Support Angle)

