



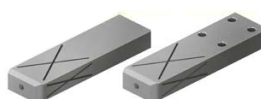
Name	Guide Post	Guide Bush	Guide Post for Press Fit	Guide Post for Press Fit	Guide Bush
Model	25GPME	25GBMF	25GP	25SGPOB / 25SGPSB	25SGBF / 25SGBW
Page	3	3	4	4	5



Name	Flange Guide Bush	Flange Guide Bush	Stroke End Block / Guide Bush Locking Block Distant Guide Ring	Ball Guide Post (for Die)
Model	25SGFW	25HBF	25SGEB / 25SDSEB / 25SKEB / 25SHKD	25PKSL / 25PKSLU
Page	5	6	6 - 7	8



Name	Ball Guide Post (for Pad)	Oil Free™ Bush	Oil Free™ Washer	Oil Free™ Flange Bush	Oil Free™ Guide Bar
Model	25PKS / 25PKSU	25SBW	25WSBW	25FSBW	25SWGB-W / 25SWGB-I / 25SWGB-S
Page	8	9 - 10	11	12	13



Name	Oil Free™ Guide Bar	Oil Free™ Guide Bar	Guide Bar X-Oil Groove
Model	25SGPF	25SGPZ	25SWGZ / 25SWGZ / 25SWGBZ
Page	14	15	16



Name	Guide Bar O-Oil Groove	Pad Keepers	Pad Guide Block / Pad Keepers
Model	25SGO / 25SGOA / 25SGOB	25SKPN / 25SKPNZ	25SPWN / 25SKPNP
Page	18	19	20

ตารางการเลือกไกด์และบุช | Guide & Bush Selecting Chart

Guide Diameter	Guide			Bush	
D32 - 80	P.3	25GPME			Guide Bush 25GBMF P.3
D30 - 120	P.4	25GP		 Guide Bush 25SGBF P.5	 Guide Bush 25SGBW P.5
D80 - 120	P.4	25SGPOB		 Flange Guide Bush 25SGFW P.5	 Flange Guide Bush 25HBF P.6

ออยฟรี **OF OIL FREE™**

เป็นประเภทของเพลนเบียร์แบบไม่มีลูกปืน ออยฟรี™ นั้นได้ถูกพัฒนาขึ้นมาให้สามารถใช้ได้ตียิ่งขึ้นโดยไม่ต้องใช้น้ำมัน หรือใช้น้อยลง ช่วยให้อายุการใช้งานและลดเวลาการดูแลรักษาชิ้นส่วนให้น้อยลง เพราะชิ้นส่วนสไลด์ทั่วไปเมื่อน้ำมันแห้งก็จะเกิดความร้อนสูงทำให้เสียหายได้ง่าย จึงต้องมีการเติมน้ำมันอยู่เรื่อยๆ อีกทั้งการออกแบบก็เป็นไปได้ยากเพราะต้องออกแบบให้สามารถเติมน้ำมันได้ง่าย

รูปแบบของออยฟรีนั้นมีทั้งแบบเม็ดกลม และแบบแถบ ทั้งนี้ขึ้นอยู่กับวิธีการออกแบบ ซึ่งสามารถเลือกสั่งทำพิเศษได้



แบบเม็ดกลม - Plug Type



แบบแถบ - Strip Type

An improved plain bearing that can work without or with little oil and grease. By using Oil Free™ products the parts will have increased tool life and reduced maintenance time. Normal oil-groove bearing will have time when grease dry out and damaging the part from overheating. Also it will need constant applying of grease to work.

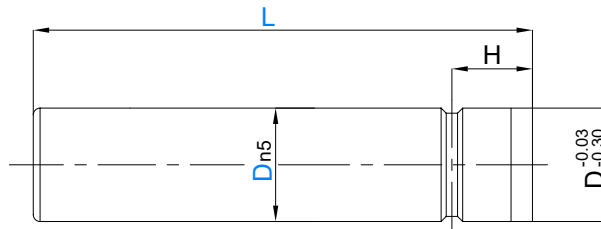
Oil Free™ come in Plug Type or Strip Type depending on design. We welcome customization on Oil Free™ products.

ไกด์ และ บุช

Guide Post - ไกด์โพส

Model: 25GPME

FOIL FREE™



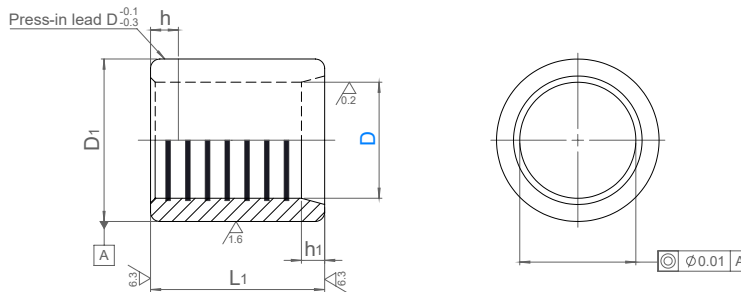
ORDER Model D - L **ใช้ร่วมกับไกด์บุช 25GBMF** **M** S45C
EXAMPLE 25GPME32-200 **Use with 25GBMF Guide Bush** 55HRC-(Induction Harden)

Model	Dn5		L 10 mm increment	H	M
25GPME	32	+0.028 +0.017	90 - 250	20	-
	38		110 - 300	25	
	50		160 - 350	32.5	
	60	+0.033 +0.020	180 - 400	37.5	
	80		250 - 450	50	M12

Guide Bush - ไกด์บุช

Model: 25GBMF

FOIL FREE™



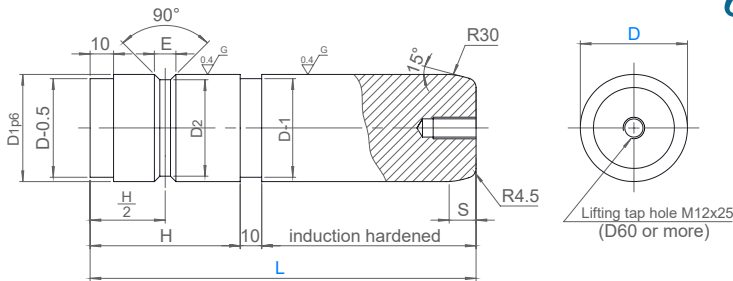
ORDER Model D **ใช้ร่วมกับไกด์โพส 25GPME** **M** FC250
EXAMPLE 25GBMF38 **Use with 25GPME Guide Post** Oil Free™ Solid Lubricant

Model	D		D1	h	h1	L1
25GBMF	32	+0.047 +0.037	52	8	4	48
	38	+0.049 +0.037	60	10	5	55
	50	+0.052 +0.037	70	15	10	75
	60	+0.061 +0.043	80	20		90
	80	+0.063 +0.043	100	25		120

Guide Post for Press Fit - ไกด์โพส สำหรับ สวมอัด



Model: 25GP



ORDER EXAMPLE Model D - L S45C 55HRC-(Induction Harden) 25GP50-200

Model	D		L												D1 p6		H	M			
25GP	30	-0.005 -0.015	100	120	140	160	180											30	+0.035 +0.022	40	-
	40			120	140	160	180	200								40	+0.042 +0.026	50			
	50					160	180	200		250	300						50	70			
	60	-0.010 -0.020						200	220	250	300	350					60	+0.051 +0.032	90	M12	
	80	-0.010 -0.025								250	300	350	400	450			80	120			
	100								300	350	400	450	500			100	+0.059 +0.037	150			
	120									400	450	500	550	120	180						

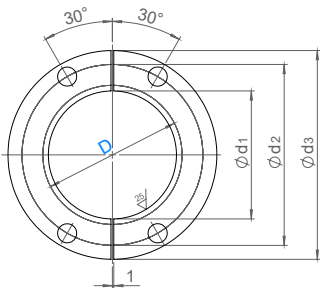
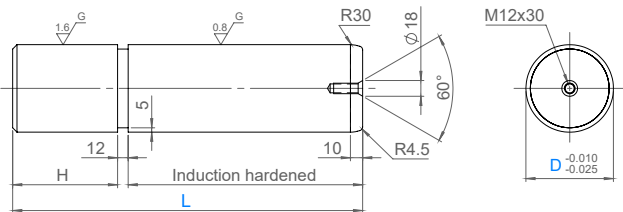
Guide Post for Press Fit - ไกด์โพส สำหรับ สวมอัด



Guide Post
Model: 25SGPOB



Stopper
Model: 25SGPSB



ORDER EXAMPLE Model D - L S45C 55HRC-(Induction Harden) 25SGPOB80-350

Model	D		L		H
25SGPOB	80	-0.010 -0.025	350		100
			400		
	100		350		120
			400		
			450		
			450		150
	120		500		

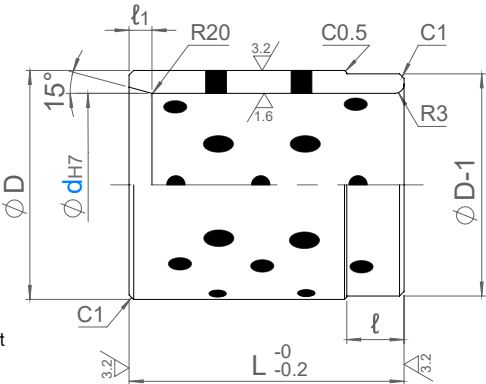
ORDER EXAMPLE Model D S45C 25SGPSB100

Model	D	d1	d2	d3
25SGPSB	80	72	110	130
	100	92	130	150
	120	112	156	177.8

ไกด์ และ บุช

Guide Bush - ไกด์บุช

Model: 25SGBF Model: 25SGBW



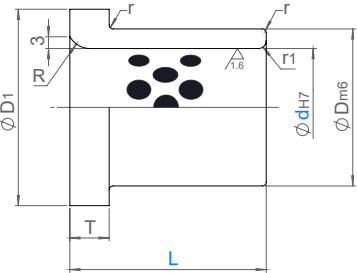
- 25SGBF FC250 Oil Free™ Solid Lubricant
- 25SGBW Copper Alloy Oil Free™ Solid Lubricant

ORDER
EXAMPLE Model d
25SGBF50

Model	d H7		L	D		ℓ	ℓ ₁	
25SGBF 25SGBW	25	+0.021 0	40	40	±0.008	10	5	
	30		50	50				
	35	+0.025 0	55	60	±0.0095	15		
	40		60			10		
	50		75	70		15		
	60	+0.030 0	90	80	±0.011	20	10	
	80		120	100				
	100	+0.035 0	150	120	±0.0125	25		
	120		180	140				

Flange Guide Bush - ไกด์บุชมีปาก

Model: 25SGFW



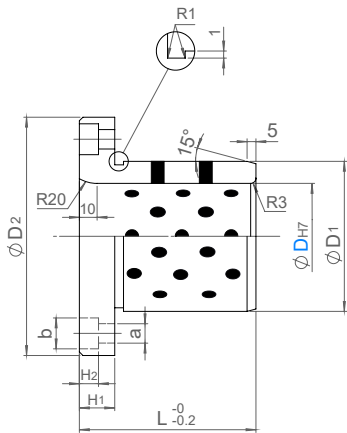
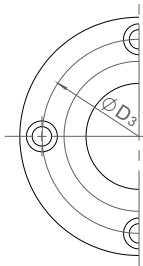
ORDER
EXAMPLE Model d - L Copper Alloy Oil Free™ Solid Lubricant

Model	d H7		L	D m6		D1	T	R	r	r1
25SGFW	25	+0.021 0	40	35	+0.025 +0.009	45	7	10	1	2
	30		50	40		50	10			
	40	+0.025 0	70	55	+0.030 +0.011	65		20	2	
	50		80	65		75				
	60	75		85						
	65	+0.030 0	120	80		90				
	80		100	100	110					
			140							
	100	+0.035 0	100	125	+0.035 +0.013	130				
			140							

Flange Guide Bush - ไคด์บุชมีปาก

Oil Free™

Model: 25HBF



- FC250 Oil Free™ Solid Lubricant
- มีสกรูในชุด Mounting Bolts Included

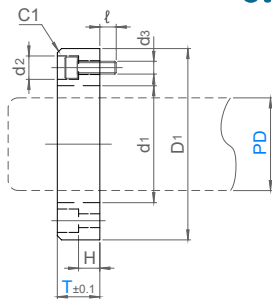
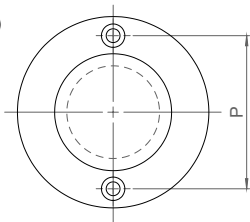
ORDER	Model	D
EXAMPLE	25HBF50	

Model	D H7		L	D1	D2	H1	D3	a	b	H2	Mounting Bolts
25HBF	30	+0.021 0	50	50	±0.008	90	70	11	17.5	10.8	24CB10x30 4pcs
	40	+0.025 0	65	60	±0.0095	100	80				
	50		80	75		125	100				
	60	+0.030 0	100	85	±0.011	135	110	14	20	13	24CB12x40 4pcs
	80		130	110		170	140				
	100	+0.035 0	160	130	±0.0125	190	160				

Stroke End Block - สโตรคเอนบล็อก สำหรับไคด์โพส

Oil Free™

Model: 25SGEB / 25SDSEB



ORDER	Model	PD	T	Color
EXAMPLE	25SGEB50-40-R			

- SS400 Black Oxide (Fe304)

- มีสกรูในชุด Mounting Bolts Included

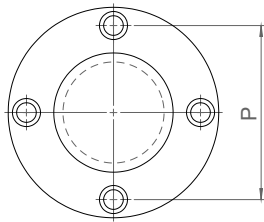
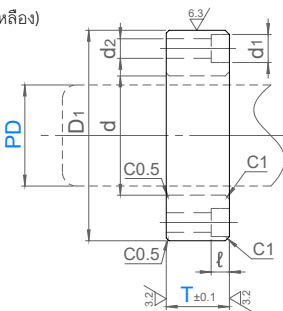
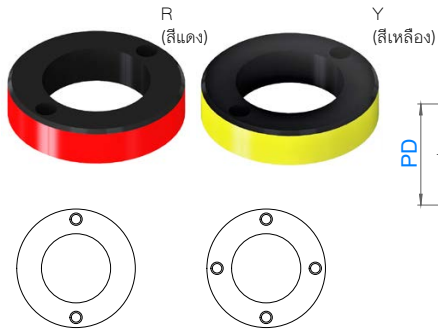
Model	PD	T	Color	D1	P	d1	d2	d3	H	ℓ	Mounting Bolt
25SGEB	38	20, 25, 30	R (สีแดง/Red)	75	60	43	10	5.5	10	10	24CB5x20
	50	20, 25		90	72	55	11	6.5	10		24CB6x20
		30, 35, 40							20		24CB6x30
	60	20, 25	Y (สีเหลือง/Yellow)	120	92	65	14	9	8	12	24CB8x20
		30, 35, 40							18		24CB8x30
	80	20, 25	N (สีเ็นดำ/Blacken)	150	116	88			8		24CB8x20
		30, 35, 40							18		24CB8x30

Model	PD	T	Color	D1	P	d1	d2	d3	H	ℓ	Mounting Bolt
25SDSEB (Oversized)	50	15	R (สีแดง/Red)	120	100	54	14	9	5	15	24CB8x20
		20							10	10	
	60	15	Y (สีเหลือง/Yellow)	140	120	64			5	15	
		20							10	10	

ไกด์ และ บุช

Guide Bush Locking Block - ไกด์บุชล็อกคบล็อค

Model: 25SKEB



T	L
20	25
25	30
30	35
35	40
40	45
45	50
50	55
55	60

PD = 30 - 60

PD = 80 - 100

SS400
Black Oxide (Fe304)

T = 20, L = 12

ความยาวสกรูเปลี่ยนตามค่า T
Bolt Length change depend on T

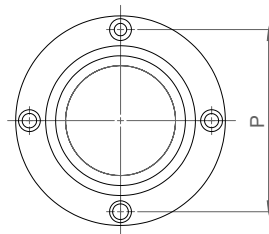
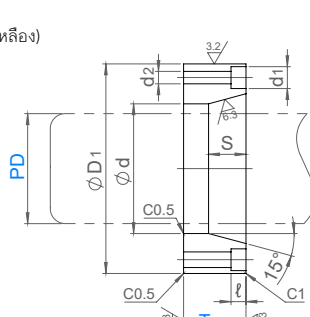
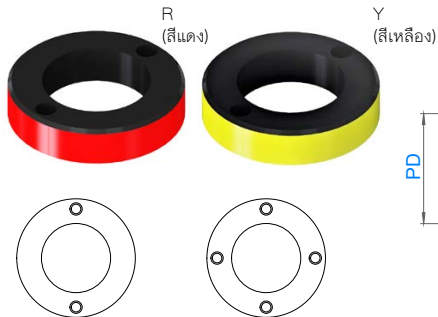
ORDER	Model	PD	T	Color
EXAMPLE	25SKEB50-40-R			

มีสกรูในชุด
Mounting Bolts Included

Model	PD	T (5mm. increment)	Color	D1	d	P	d1	d2	ℓ	Mounting Bolt
25SKEB	30	20 - 30	R (สีแดง/Red)	96	35	72	17.5	11	15	24CB10xL
	40	20 - 40		106	45	82				
	50	20 - 55		116	55	92				
	60		Y (สีเหลือง/Yellow)	126	65	102	20	14	24CB12xL	
	80		N (สีกรมดำ/Blacken)	150	85	124				
	100	20 - 50	170	105	144					

Distant Guide Ring - ไกด์ริงกั้นระยะ

Model: 25SHKD



PD = 30 - 60

PD = 80 - 100

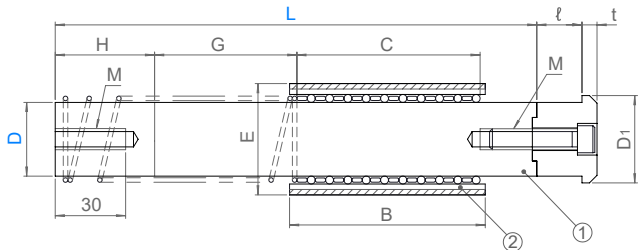
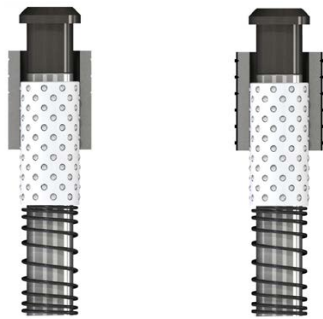
SS400
Black Oxide (Fe304)

ORDER	Model	PD	T	Color
EXAMPLE	25SHKD-50-R			

Model	PD	T (5mm. increment)	Color	D1	d	P	S		d1	d2	ℓ	D2	D3
							T = 25	T ≥ 30					
25SHKD	38	25 - 55	R (สีแดง/Red)	108	54	88	23	28	17.5	11	15	38	50
	50			118	64	98						50	60
	60		Y (สีเหลือง/Yellow)	148	84	126						60	80
	80			N (สีกรมดำ/Blacken)	168	104						146	80
	100		188		124	166			20	14		100	-

Ball Guide Post (For Die) - ไกด์โพสลูกปืน สำหรับตาย

Model: 25PKSL Model: 25PKSLU



ORDER
EXAMPLE Model D - L
25PKSL50-280

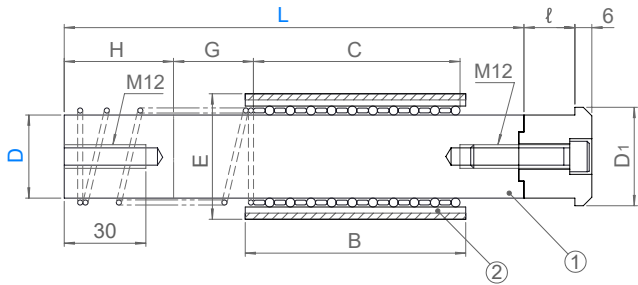
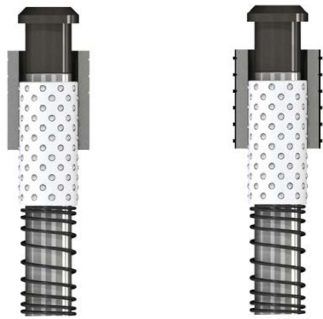
25PKSL
① ② SUJ2 58HRC-

25PKSLU (with Urethane)
① SUJ2 58HRC- ② SUJ2 58HRC- Urethane Shore A90

Model	D		L	E	E tolerance		B	C	ℓ	M	t	D1	G Min	H
					25PKSL	25PKSLU								
25PKSL 25PKSLU	50	+0.035 +0.030	240	83	0 -0.010		120	110	40	12	10	58	30	60
			280						20					
	60		260	95			130	120	50			68		80
			300						30					
	80	300	120	+0.100 0	140	130	50	88	100					
		340					30							
	100	+0.040 +0.032	350		145	0 -0.012	160	150	50	16	15	108	40	120
			400						30					
			450	10										

Ball Guide Post (For Pad) - ไกด์โพสลูกปืน สำหรับแพด

Model: 25PKS Model: 25PKSU



ORDER
EXAMPLE Model D - L
25PKSU50-160

25PKS
① ② SUJ2 58HRC-

25PKSU (with Urethane)
① SUJ2 58HRC- ② SUJ2 58HRC- Urethane Shore A90

Model	D		L (10mm increment)	E	E tolerance		B	C	ℓ	D1	G Min	H
					25PKS	25PKSU						
25PKS 25PKSU	38	+0.030 +0.025	130 - 160	64	0 -0.008	+0.100 0	80	50	20	46	20	40
			170 - 200					75	30		25	
	50	+0.035 +0.030	150 - 190	83	0 -0.010		100	60	20	58	30	50
			200 - 240						90		30	
	60		170 - 210	95				70	20	68	30	60
			220 - 260						90		30	
	80		260 - 300	120						88	20	80

Oil Free™ Bush (Universal) - บุชออยฟรี™

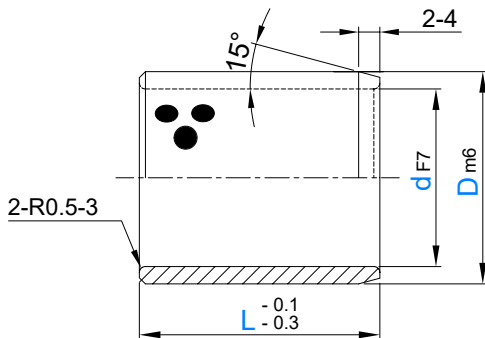


บุชทองเหลืองออยฟรี สำหรับนำไปใช้ได้หลากหลายอุตสาหกรรม เช่น แม่พิมพ์ ปัม/ฉีด, ชิ้นส่วนเครื่องจักร, ระบบอัตโนมัติ, งานก่อสร้าง, ยานยนต์ สามารถหล่อลื่นได้โดยไม่ต้องเติมน้ำมันขณะใช้งาน



Oil Free bush for universal use in many dry application such as die/mold, machinery, automation, construction, automobile. The Oil Free bush is self lubrication and work without grease.

Model: 25SBW



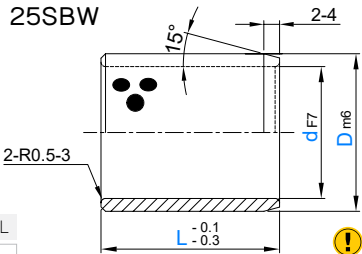
ORDER 25SBW d - D - L **Temperature Resistance** -40° C ~ 300° C **Copper Alloy** Oil Free™ Solid Lubricant

d F7		D m6		L															
5	+0.022	9	+0.015	8	10	12	15												
6	+0.010	10	+0.006	8	10	12	15	16	20										
8	+0.028	12	+0.018 +0.007	8	10	12	15	16	20	25									
10	+0.013	14		8	10	12	15	16	20	25	30								
12	+0.034 +0.016	18	+0.021 +0.008	8	10	12	15	16	20	25	30	35							
13		19		10	12	15	16	20	25	30	35								
14		20		10	12	15	16	20	25	30	35								
15		21		10	12	15	16	20	25	30	35	40							
16		22		10	12	15	16	20	25	30	35	40							
17		23					15				30	35							
18	+0.041 +0.020	24	+0.025 +0.009	10	12	15	16	20	25	30	35	40							
19		26					15		20										
20		28		10	12	15	16	20	25	30	35	40	50	60	70				
22		30					16	20	25	30	35	40	50	60	70		100		
25		32		12	15		20	25											
28		33		12	15	16	20	25	30	35	40	50	60						
30	+0.050 +0.025	35		12	15	16	20	25	30	35	40	50	60	70	80				
31.5		38					20	25	30		40								
32		38		12	15	16	20	25	30	35	40	50	60	70	80				
		40		12	15	16	20	25	30	35	40	50	60						
		42								30	40								
							20	30	40										

Oil Free™ Bush (Universal) - บุษออยฟรี™



Model: 25SBW



ORDER
EXAMPLE 25SBW d - D - L
25SBW25-35-50

⚠ Temperature Resistance
-40° C ~ 300°C

Ⓜ Copper Alloy
Oil Free™ Solid Lubricant

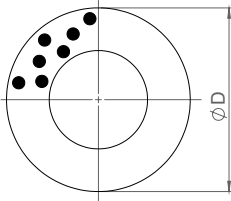
d F7		D m6		L												
35		44	+0.025 +0.009	20 25 30 35 40 50 60 70												
		45		20 25 30 35 40 50 60 70												
38		48		30 40												
40		50		15 20 25 30 35 40 50 60 70 80												
	+0.050 +0.025	55	+0.030 +0.011	15 25 30 35 40 50 60												
		55		30 35 40 50 60												
		45		56	30 35 40 50 60 70 80											
		60		30 35 40 50 60 70 80												
	60	20 30 35 40 50 60 70 80														
		50		62	30 35 40 50 60 70 80											
		65		30 40 50 60 70 80 100												
55	+0.060 +0.030	70		40 50 60 70												
60		74		30 35 40 50 60 70 80 100												
63		75		30 35 40 50 60 70 80 100												
65		75		60 70 80												
		80		40 50 60 70 80												
70		85	+0.035 +0.013	30 35 40 50 60 70 80 100												
		90		50 60 70 80 100												
		75		90	50 60 70 80 100											
95				60 70 80 100												
80		96		40 50 60 70 80 100 120												
		100		40 50 60 70 80 100 120 140												
85		+0.071 +0.036		100	60 80											
90	110			30 50 60 70 80 90 100 120												
100	120			50 60 70 80 100 120 140												
110	130			50 70 80 100 120												
120	140			70 80 90 100 120 140												
125	145			+0.040 +0.015	100 120											
130	150		80 100 130													
140	160		100 140													
150	170		80 100 150													
160	180		80 100 150													

โถง และ บุช

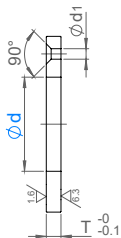
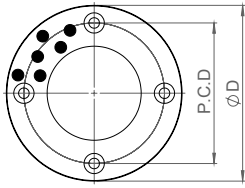
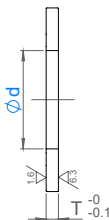
Oil Free™ Washer (Universal) - แหวนออยฟรี™



ไม่มีรูยึดสกรู
No bolt holes
Model: 25WSBW-N



มีรูยึดสกรู
With bolt holes
Model: 25WSBW



ORDER
EXAMPLE

Model - No.
25WSBW-25

⚠ Temperature Resistance
-40° C ~ 300°C

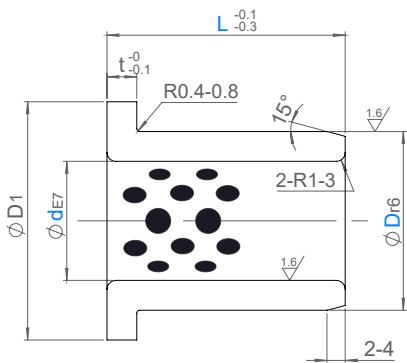
Ⓜ Copper Alloy
Oil Free™ Solid Lubricant

Model	No.	d	D	T	P.C.D	Number of Holes	Flat Head Screw	d1
25WSBW (with holes) 25WSBW-N (no holes)	6	6.2	25	3	15	2	M3	3.5
	8	8.2	28		18			
	10	10.2	30		20			
	12	12.2	40		28			
	13	13.2						
	14	14.2						
	15	15.2	50		35			
	16	16.2						
	18	18.2						
	20	20.2	5	40	M5	6		
	25	25.2					55	45
	30	30.2					60	50
	35	35.2	70	7	60	M6	7	
	40	40.2	80		67.5			
	45	45.3	90	8	75	4	M8	9
	50	50.3	100		85			
	55	55.3	110		90			
	60	60.3	120		95			
	65	65.3	125	10	100	M10	11	
	70	70.3	130		110			
75	75.3	140	120					
80	80.3	150	140					
90	90.5	170	160					
100	100.5	190	175					
120	120.5	200						

Oil Free™ Flange Bush (Universal) - บุชมีป่าออยฟรี™



Model: 25FSBW



ORDER
EXAMPLE

25FSBW
25FSBW25-35-50

d - D - L

Temperature Resistance
-40° C ~ 300°C

Copper Alloy
Oil Free™ Solid Lubricant

d E7		D r6		L										D1	t	
5	+0.032 +0.020	9	+0.028 +0.019	10 12										14	2	
6		10		10 12 15										16		
8	+0.040 +0.025	12	+0.034 +0.023	10 12 15 20										20		
10		14		10 12 15 20 25 30										22		
12	+0.050 +0.032	18		10 12 15 20 25 30										25	3	
13		19		10 12 15 17 20 25 30										26		
14		20		15 20 25 30										27		
15		21		10 12 15 20 25 30										28		
16		22	+0.041 +0.028	12 15 20 25 30 35 40										29		
18		24		15 20 25 30 35 40										32		
20		30		15 20 25 30 35 40										40		5
25		+0.061 +0.040		35	15 20 25 30 35 40 50											
30	40		20 25 30 35 40 50										50			
31.5	+0.075 +0.050		+0.050 +0.034	20 25 30 35 40 50										50		
35		45		20 25 30 35 40 50											60	
40		50		20 25 30 35 40 50										65		
45		55		+0.060 +0.041	20 25 30 35 40 50 60										70	
50		60	20 25 30 35 40 50 60										75			
55		65	30 35 40 60										80			
60	+0.090 +0.060	75	+0.062 +0.043	30 35 40 50 60 80										90	7.5	
70		85	+0.073 +0.051	50 60 80										105		
75		90		60 80										110		
80		100		60 80 100										120		10
90	+0.107 +0.072	110	+0.076 +0.054	60 80 100										130		
100		120		80 100										150		
120			140	+0.088 +0.063	80 100										170	

ไกด์ และ บุช

Oil Free™ Guide Bar - ไกด์บาร์ออยฟรี™

NEW

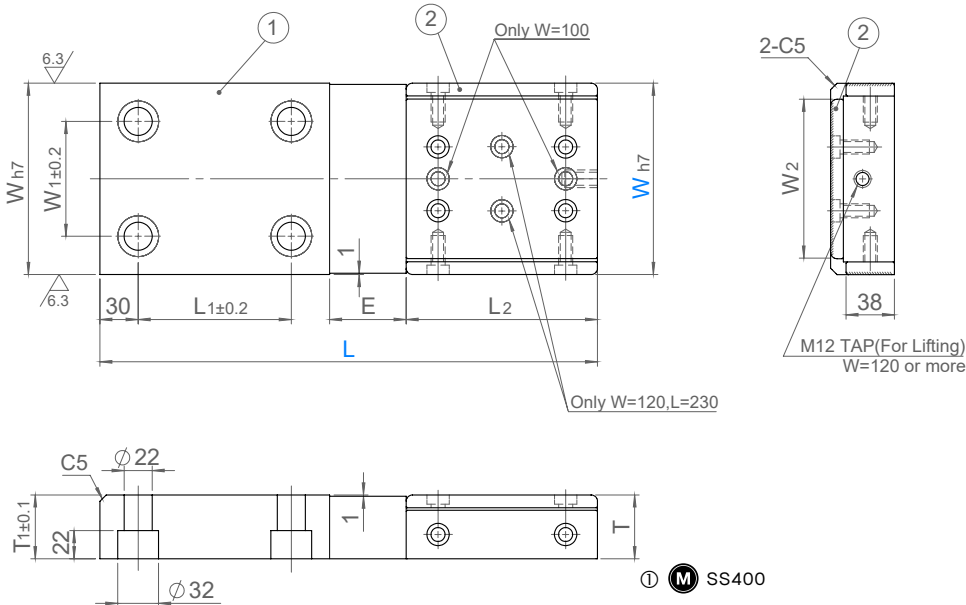
รุ่นใหม่ สามารถเปลี่ยนแผ่นสไลด์ได้
New type that can change the slide plate.

FOIL FREE™

Model 25SWGB-W
ทองเหลือง Copper Alloy

Model 25SWGB-I
เหล็กอัลลอย Alloy Steel

Model 25SWGB-S
แผ่นซินเตอร์ Sintered



① M SS400

25SWGB-W ② M Copper Alloy + Oil Free™ Solid Lubricant

25SWGB-I ② M SKS3 + Oil Free™ Solid Lubricant

25SWGB-S ② M Sintered + Oil Free™ Solid Lubricant

ORDER
EXAMPLE Model W - L
25SWGB-W100-230

Model	W h7		L	L1	L2	W1	W2	T	E
25SWGB-W 25SWGB-I 25SWGB-S	100	0 -0.035	230	60	75	60	75	45	35
			280		125				
			330	100	150		60		
			390	120	150		60		
	120		230	60	75		100		35
			280		125				
			330	100	150				60
			390	120	150				
	150	0 -0.040	280	60	125	90	125	50	35
			330						100
			390	120	150				60
			430	140					80

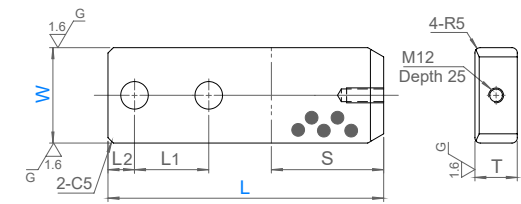
Oil Free™ Guide Bar - ไกด์บาร์ออยฟรี™



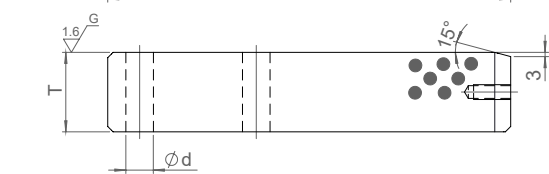
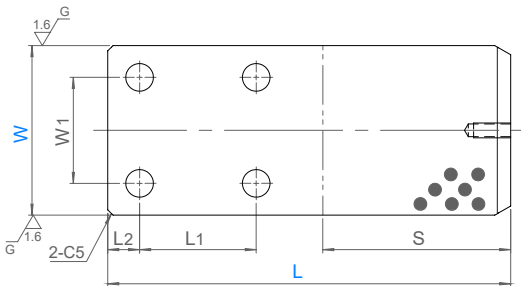
Model: 25SGPF



⚠ W = 80 - 90



⚠ W = 120



ORDER
EXAMPLE

Model W - L
25SGPF120-280



FC250
Oil Free™ Solid Lubricant

Model	W		L	L1	L2	W1	S	d	T	
25SGPF	80	0 -0.025	220	60	25	-	80	22	40	
			260	70						
			300	70						
	90		0 -0.025	220						60
				260						70
				300						70
	120	0 -0.035	280	80		70	120	22	60	
			340	100						
			380	100						
	130		0 -0.035	280						80
				340						100
				380						100
	150	0 -0.040	340	110	30	100	130	26	75	
			380							
			430							
	160		0 -0.040							340
										380
										430
	180	0 -0.046	340	130		120	140	26	90	
			380	380						
			430	430						
	190		0 -0.046	340						340
				380						380
				430						430

ไกด์ และ บุช

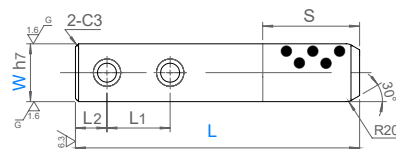
Oil Free^(TM) Guide Bar - ไกด์บาร์ออยฟรี^(TM)

Model: 25SGPZ

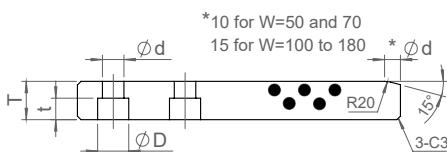
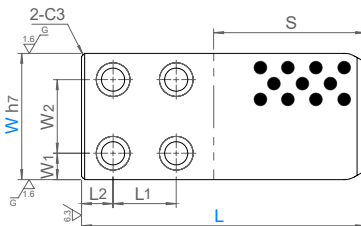
FOIL FREETM



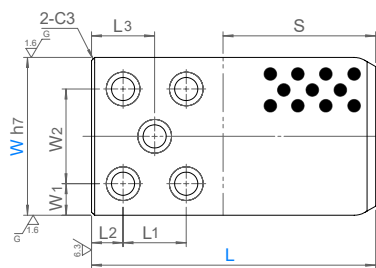
! W = 50 - 70



! W = 100 - 150



! W = 180



M S45C
Oil Free^(TM) Solid Lubricant

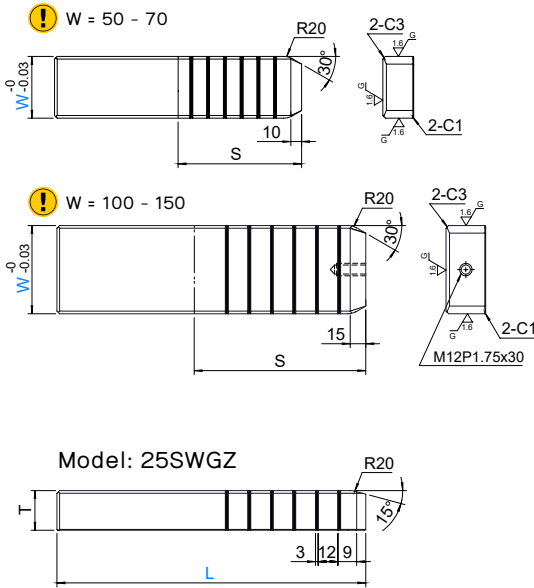
S Area **M** 55HRC-(Induction Harden)

ORDER
EXAMPLE Model W - L
25SGPZ100-280

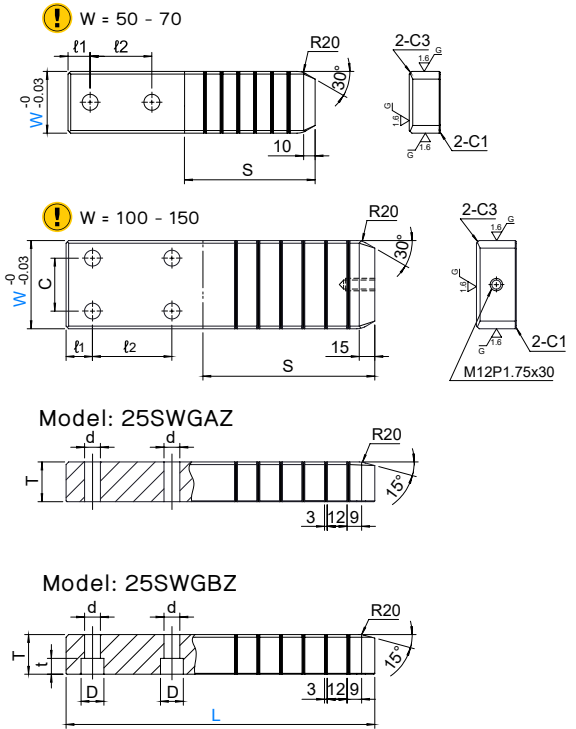
Model	W h7		L	L1	L2	L3	W1	W2	D	d	t	T	S						
25SGPZ	50	0 -0.025	160	20	50				26	18	18	30	60						
			200		80								120						
			260																
	70	0 -0.030	230	25	60									26	18	18	35	100	
			260		75													160	
			300		150													150	
			350																
	100	0 -0.035	230	30	60								20	60			22	45	100
			280		100														160
			330		120	200													
			390		60	100													
	120		230		100	160													
			280		120	200													
			330		140	190													
			390		180														
	150	0 -0.040	280		60		30	90	32	22	22	50	160						
			330		80														
			390		140														
			430		180														
	180		280		60			60				120					55	160	
			330		80			70										190	
			390		140			100										200	
			430		180			120											
			480		200			130											
550			225		142.5			250											



แบบไม่มีรูสกรู
Without bolt holes
Model: 25SWGZ



แบบมีรูสกรู
With bolt holes
Model: 25SWGZ / 25SWGBZ



Ⓜ S45C
Oil FreeTM Solid Lubricant

S Area Ⓜ 55HRC-(Induction Harden)

ORDER
EXAMPLE Model W - L
25SWGZ100-300

Model	W	L	T	Grooves	S	ℓ ₁	ℓ ₂	C	d	D	t
25SWGZ 25SWGZ 25SWGZ 25SWGZ 25SWGZ 25SWGZ 25SWGZ 25SWGZ 25SWGZ 25SWGZ 25SWGZ 25SWGZ 25SWGZ 25SWGZ 25SWGZ	50	160	30	3	60	20	50	-	18	26	18
		190		5	90						
		220		7	120						
	70	230	35	6	100	25	60				
		270		9	140						
		310		11	180						
	100	300	45	8	130	30	90	60			
		350		11	180						
		400		14	230						
	130	350	50	9	150	30	120	80	22	32	22
		400		12	200						
		450		16	250						
	150	420	60	11	180	35	150	100			
		470		14	230						
		520		18	280						

ไกด์ และ บุช

Guide Bar X Oil Groove - ไกด์บาร์ ร่องน้ำมันตัว X

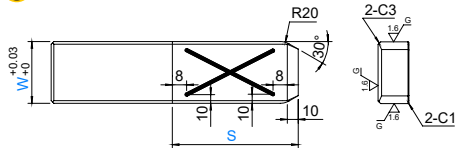


แบบไม่มีรูสกรู
Without bolt holes
Model: 25SGW

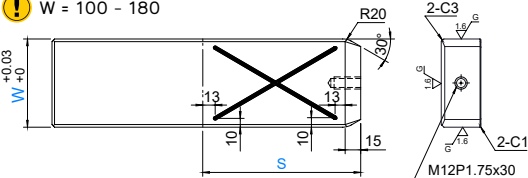


แบบมีรูสกรู
With bolt holes
Model: 25SGWA / 25SGWB

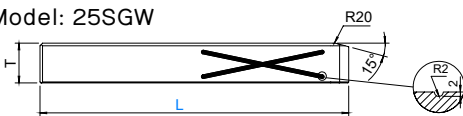
! W = 50 - 70



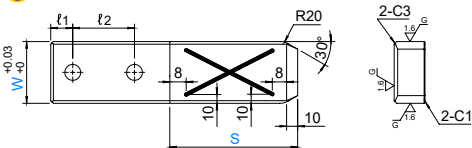
! W = 100 - 180



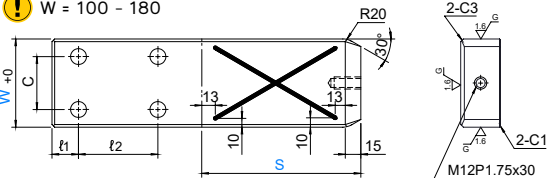
Model: 25SGW



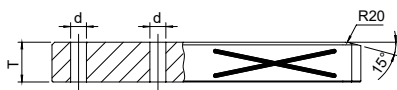
! W = 50 - 70



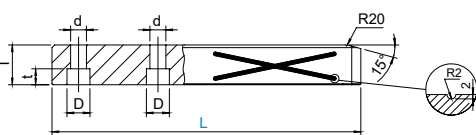
! W = 100 - 180



Model: 25SGWA



Model: 25SGWB



M S45C

S Area M 55HRC-(Induction Harden)

ORDER	Model	W - S - L
EXAMPLE	25SGW70-120-240	

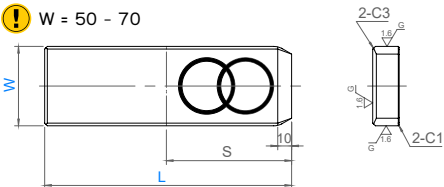
Model	W	S	L 10mm increment	T	ℓ ₁	ℓ ₂	C	d	D	t
25SGW 25SGWA 25SGWB	50	60	150 - 180	30	20	50	-	18	26	18
		90	190 - 250							
	70	90	200 - 250	35	25	60				
		120	230 - 350							
	100	120	270 - 320	45	30	90	60			
		180	330 - 400							
	130	150	300 - 380	50	30	90	80			
		210	390 - 500			120				
	150	180	340 - 450	60	35	90	100			
		240	460 - 550			150				
	180	200	380 - 470			110	120			

Guide Bar O-Oil Groove - ไกด์บาร์ ร่องน้ำมันตัว O

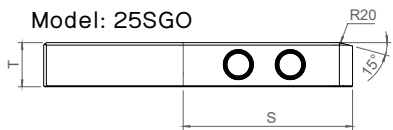
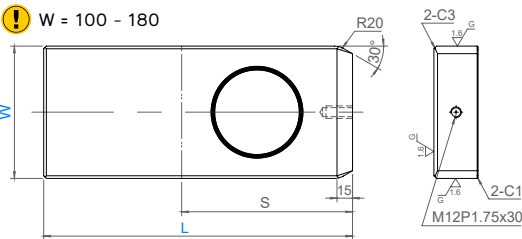


แบบไม่มีรูสกรู
Without bolt holes
Model: 25SGO

❗ W = 50 - 70



❗ W = 100 - 180



Ⓜ S45C

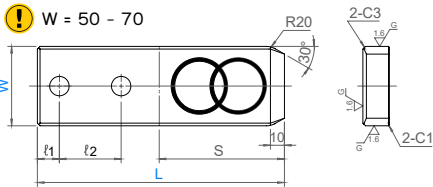
S Area Ⓜ 55HRC-(Induction Hardened)

ORDER	Model	W	L
EXAMPLE	25SGO100-160		

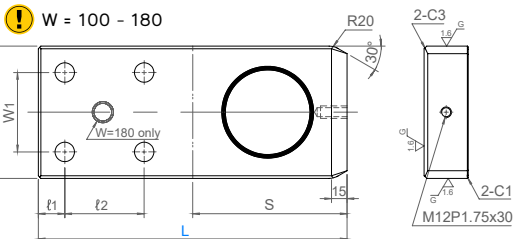


แบบมีรูสกรู
With bolt holes
Model: 25SGOA / 25SGOB

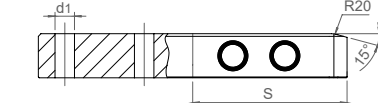
❗ W = 50 - 70



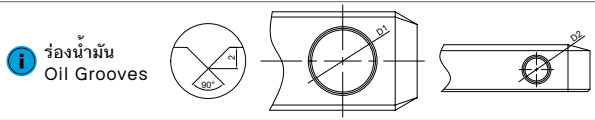
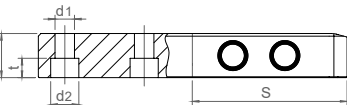
❗ W = 100 - 180



Model: 25SGOA



Model: 25SGOB

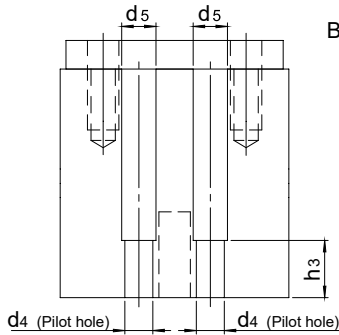


Model	W		L	T	S	l1	l2	W1	d1	d2	t	Oil Grooves	
												qty x D1	qty x D2
25SGO	70	0 -0.030	230	35	100	25	60	-	18	26	18	2 x 50	2 x 20
			260		160		75						3 x 20
			300		160		75						3 x 20
	100	0 -0.035	230	45	100	30	60	60	22	32	22	1 x 63	2 x 20
			280		160		100					2 x 63	3 x 20
			330		100		100					2 x 50	2 x 20
	120	0 -0.035	230	45	100		60	60	22	32	22	4 x 50	3 x 20
			280		160		100					4 x 50	3 x 20
			330		200		120					4 x 50	3 x 20
	150	0 -0.040	280	50	160		60	90	22	32	22	4 x 63	3 x 20
			330		190		80					4 x 63	3 x 20
			390		160		140					4 x 63	3 x 20
25SGOB	180	0 -0.040	280	55	160	190	60	120	22	32	22	5 x 50	4 x 20
			330		160		80					5 x 50	3 x 20
			390		190		140					5 x 50	3 x 20
	180	0 -0.040	280	55	160	190	60	120	22	32	22	5 x 50	4 x 20
			330		160		80					5 x 50	3 x 20
			430		190		180					5 x 50	4 x 20

Pad Keepers - แพ็คคิปปเลอร์

FOIL FREE™

Model: 25SKPN

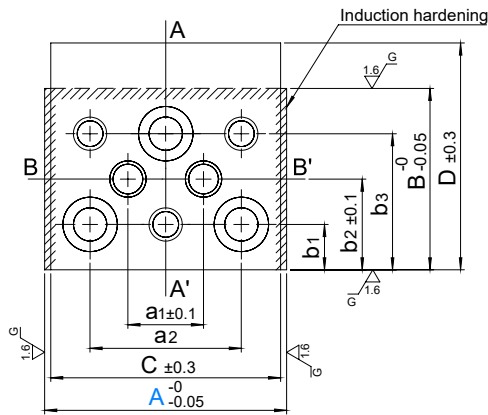


B-B' Cross section

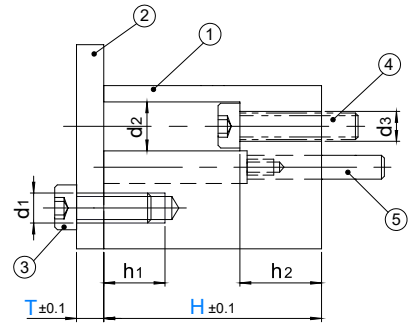


เปลี่ยนแบบร่องน้ำมัน เป็นแบบ ออยฟรี ได้
Can change oil groove to Oil Free type

Model: 25SKPNZ



A-A' Cross section



ORDER	Model	A - H - T	S45C
EXAMPLE	25SKPN80-50-10		45HRC-(Induction Harden)

	A = 80	A = 100
T=10	24CB10-30 3 pcs	24CB12-35 3 pcs
③ T=15	24CB10-35 3 pcs	24CB12-40 3 pcs
T=20	-	24CB12-45 3 pcs
④	24CB10-50 3 pcs	24CB12-55 3 pcs
⑤	Dowel 10-40 2 pcs	Dowel 13-50 2 pcs

Model	A	H	T	B	a1	a2	b1	b2	b3	d1	d2	d3	d4	d5	h1	h2	h3	MxP	C	D
25SKPN	80	50	10	60	25	50	15	30	45	11	18	11	9.8	12	25	30	20	10 x 1.5	76	75
		60																		
		70																		
		80																		
		100																		
25SKPNZ	100	60	10	70	30	60	20	35	50	13	20	13	128	15	30	25	12 x 1.75	96	85	
		70																		
		80																		
		100																		
		120																		

OPTION	Model	A - H (HC) - T - (NC)
EXAMPLE	25SKPN80-HC65-10-NC	

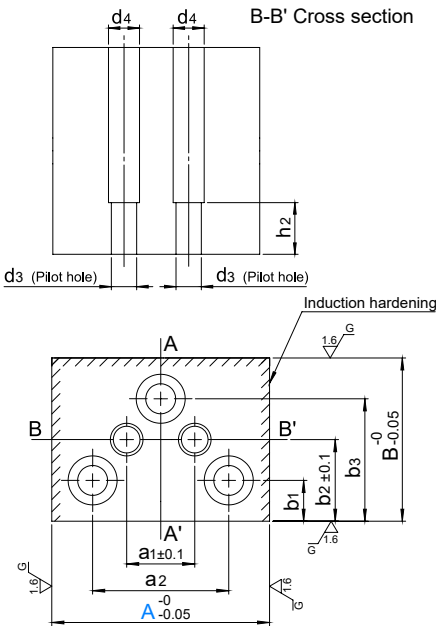
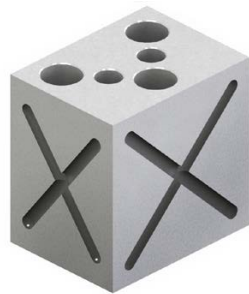
การปรับแต่งเสริม | Options

Options	Code	Description	Options	Code	Description
	HC	Hmin < HC < Hmax if H-HC < 10, h2 and h3 will be smaller by H-HC if 10 ≤ H-HC < 20, h2 and h3 will be smaller by H-HC-10		NC	add holes for removing bolts and dowel pins on the plate for removing the set while the plate is still on the block

Pad Guide Block - แพ้ทไกด์บล็อก

FOIL FREE™

Model: 25SPWN



A = 80	A = 100
24CB10-50 3 pcs	24CB12-55 3 pcs
Dowel 10-40 2 pcs	Dowel 13-50 2 pcs

S45C
45HRC-(Induction Harden)

ORDER EXAMPLE	Model	A - H
	25SPWN80-100	

Model	A	H	B	a1	a2	b1	b2	b3	d1	d2	d3	d4	h1	h2
25SPWN	80	50	60	25	50	15	30	45	18	11	9.8	12	30	20
		60												
		70												
		80												
		100												
	100	60	70	30	60	20	35	50	20	13	12.8	15	25	
		70												
		80												
		100												
		120												

OPTION EXAMPLE	Model	A - H (HC) - (CC)
	25SKPWN80-HC55-CC	

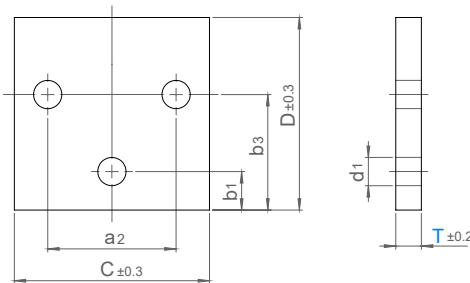
การปรับแต่งเสริม | Options

Options	Code	Description	Options	Code	Description
	HC	Hmin < HC < Hmax if H-HC < 10, h2 and h3 will be smaller by H-HC if 10 ≤ H-HC < 20, h2 and h3 will be smaller by H-HC-10		CC	Add C5 to all the corner

Pad Keepers - แพ้ทคิปเปอร์

FOIL FREE™

Model: 25SKPNP



ORDER EXAMPLE	Model	A - T
	25SKPNP80-10	

Model	A	T	C	D	a2	b1	b3	d1
25SKPNP	80	10	76	75	50	15	45	11
		15						
	100	10	96	85	60	20	50	13
		15						