



Name	Material Guides	Material Guide Roller Sets	Stock Lifter	Material Feeder	Sheet Lifter
Model	25STG / 25STGN / 25STGE	25SGDRT(A,B) / 25SEGDRT	25SSRL	25ZORW	25SLC / 25SLCE
Page	153	154	155	155	156



Name	Guide Lifters	Lifter Pins	Block Guide Lifters
Model	25GLP / 25GLH / 25GLR / 25AGL / 25GLSZ	25LPAH / 25LHAH	25GLB / 25GLBK
Page	157 - 159	159	160



Name	Guide Lifters w/ Air Hole	Block Lifter	Lifter Pins	Resin Lifter Pins	Lifter Pins with Relief Hole
Model	25GLJS / 25LJS	25BLR	25LPH	25JLP	25LHH / 25LHHV
Page	161	161	162	162	163



Name	Block Lifters	Knockout Pins	Push Pins	Material Guide Units
Model	25BLL / 25BLH / 25BLLF	25KOP	25JPWH	25ZGUA / 25ZGUB / 25SUK-A / 25SUK-B
Page	164	165	165	166 - 168

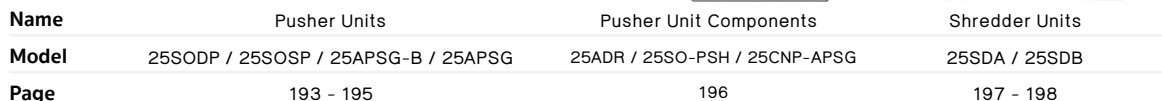


Name	Stock Guide	Lifter Units	H-Type Lifter Unit	Mini Lifter Unit
Model	25SBM / 25SBA	25LTHS / 25CLTH	25SHGC / 25SHGT / 25SHGF / 25SHLS	25MLGT
Page	169	170	171 - 176	177

Die Transfers



Name	Lifter Components	Bell Crank Lifter Parts
Model	25SKIL-B / 25SFSG / 25SFRG / 25SFLPA	25SBCR / 25SBCB / 25SBCBC / 25SBCL / 25SBCS / 25SBCJP / 25SBCBH / 25SBCP / 25SBCCR
Page	185 - 186	187 - 192



ระบบเคลื่อนย้ายแม่พิมพ์

Material Guides - ไกด์แผ่นวัตถุดิบ

FOIL FREE™



Model: 25STG

รูกลม
Round Holes



Model: 25STGN

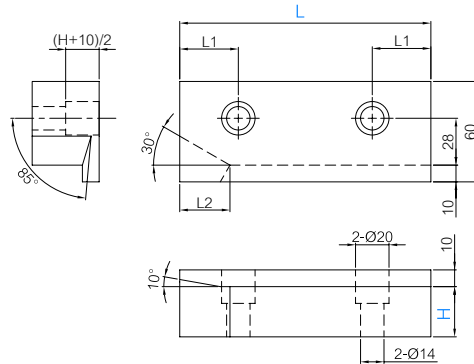
รูกลม มีรูโดเวลพื้น
Round Holes w/ Dowel Holes



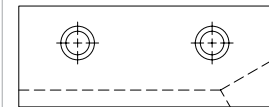
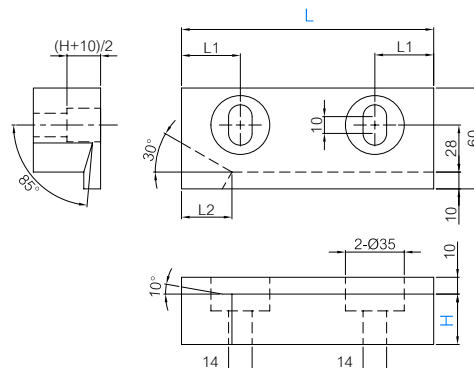
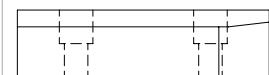
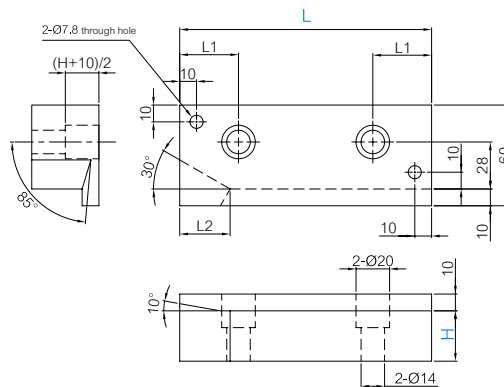
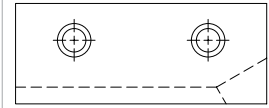
Model: 25STGE

รูสลิต
Slot Holes

L (ซ้าย)
Direction



R (ขวา)
Direction



ORDER
EXAMPLE

Model - Direction - L - H
25STG-L-100-60

M S45C (55HRC-)
Induction Harden

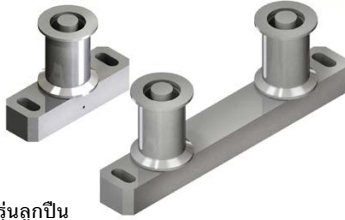
1. เลือกแบบรูยึด
2. เลือกด้านซ้าย (L) หรือ ขวา (R)
3. เลือกความยาว และความสูง

1. Choose mounting hole type
2. Choose direction (L) or (R)
3. Choose Length and Height

Model	Direction	L		H					L1	L2
25STG 25STGN 25STGE	L R	100	20	30	40	50	60	70	25	30
		150	20	30	40	50	60	70	35	30

Material Guide Roller Sets - ชุดไกด์โรลเลอร์

Oil Free™

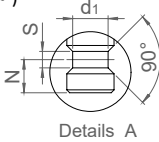


รุ่นลูกปืน
Bearing Type

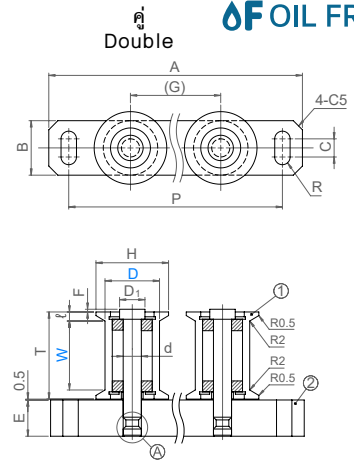
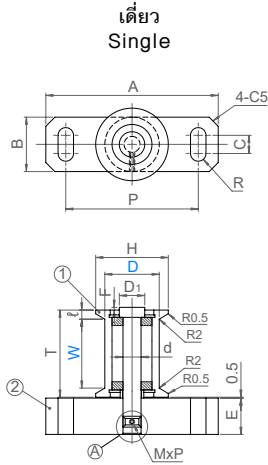
① **M** SCM415 (55HRC-)

② **M** SS400

Bolt Included



Details A



รุ่นออยฟรี
OIL FREE™ Type

① **M** SCM415 (55HRC-)

② Sprue Retainer

③ Bolt

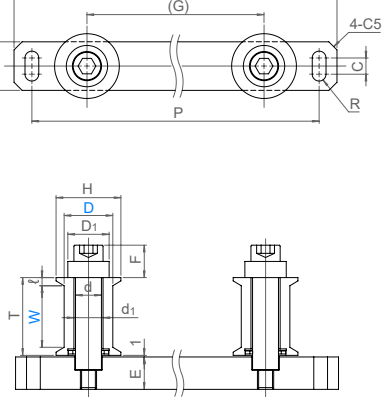
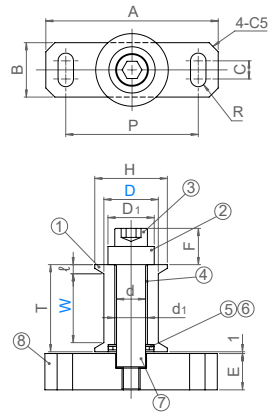
④ Bushing

⑤ C Snap Ring

⑥ Spacer

⑦ Spring Washer

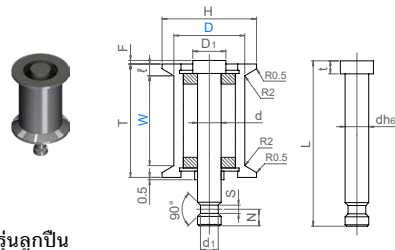
⑧ **M** SS400



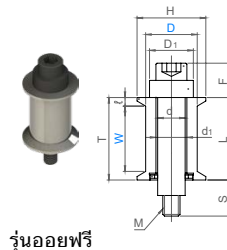
ORDER Model D - W
EXAMPLE 25SGDRTA55-38

ประเภท Type		แบบเดี่ยว Single Model	แบบคู่ Double Model	เฉพาะล้อ Wheel Only
Bearing	Needle Bearing	25SGDRTA	25SGDRTAW	25SGDRTAT
	Ball Bearing	25SGDRTB	25SGDRTBW	25SGDRTBT
OIL FREE™		Bushing	25SEGDR	25SEGDRW
				25SEGDRW
				25SEGDRW

Model	D	W	T	H	ℓ	d	A		B	C	P		R	E	F	G	D1
							Single	Double			Single	Double				Double	
25SGDRTA 25SGDRTAW	30	38	48	40	5	10	95	395	30	10	73	373	5.5	20	1.5	300	14
	55	38	54	75	8	25	145	445	55	20	115	415	6.5	35	5.5	300	32
	55	70	86	75	8	25	145	445	55	20	115	415	6.5	35	5.5	300	32
25SGDRTB 25SGDRTBW	30	38	48	40	5	9	95	395	30	10	73	373	5.5	20	1.5	300	12
	55	38	54	75	8	20	145	445	55	20	115	415	6.5	35	5.5	300	32
	55	70	86	75	8	20	145	445	55	20	115	415	6.5	35	5.5	300	32
25SEGDR 25SEGDRW	30	38	48	40	5	16	95	395	30	10	73	373	5.5	20	19	300	24
	55	38	54	75	8	25	145	445	55	20	115	415	6.5	35	30.5	300	36
	55	70	86	75	8	25	145	445	55	20	115	415	6.5	35	30.5	300	36



รุ่นลูกปืน
Bearing Type



รุ่นออยฟรี
OIL FREE™ Type

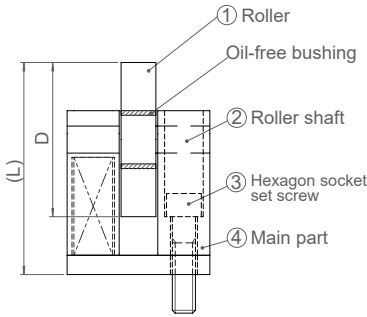
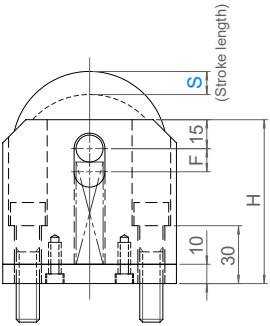
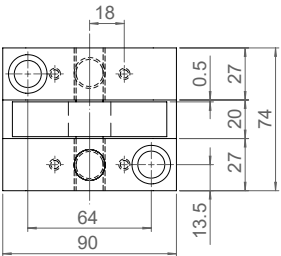
Model	D	W	L	t	d1	S	N	M
25SGDRTAT	30	38	67	5.5	8	2.5	7	-
	55	38	92	9.5	22	5	17	
	55	70	124	9.5	22	5	17	
25SGDRTBT	30	38	67	5.5	7	2.5	7	-
	55	38	92	9.5	17	5	17	
	55	70	124	9.5	17	5	17	
25SEGDR	30	38	52	-	18	15	7	M10
	55	38	61	-	28	26	17	M16
	55	70	93	-	28	24	17	M16

ระบบเคลื่อนย้ายแม่พิมพ์

Stock Lifter Unit - สต็อคลิฟเตอร์

FOIL FREE™

Model: 25SSRL



- ① **M** SKS3 (55-58HRC)
- ② SUJ2 (55-58HRC)
- ③ Bolt 12-50 (x2)
- ④ **M** SS400
- ⑤ SS400
- ⑥ Bolt 6-15 (x4)
- ⑦ Coil Spring

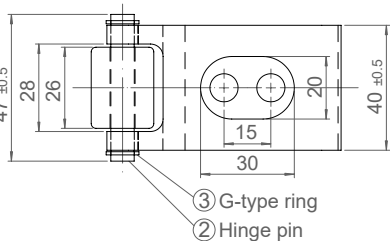
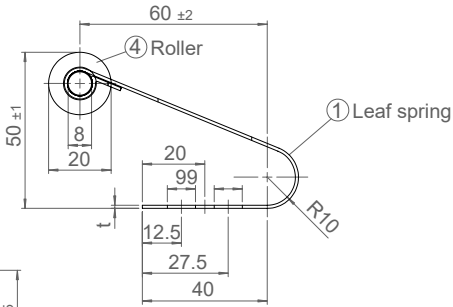
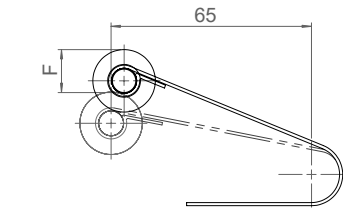
ORDER	Model	S
EXAMPLE	25SSRL20	

Model	S	D	H	F	L	Min Load		Max Load	
						N	kgf	N	kgf
25SSRL	10	60	75	12	90	165N	16.8kgf	439N	44.8kgf
	20	80	95	22	120	108N	11kgf	469N	47.8kgf

Material Feeder Unit - ชุดฟีดวัสดุ

FOIL FREE™

Model: 25ZORW



- ① **M** SK5M
- ② S45C
- ③ G-8 Ring
- ④ Wheel (Steel or Resin)

Type	Order Code	t	Load	
			N/mm	kgf/mm
ล้อโลหะ Steel Wheel (S45C 45HRC-)	25ZORWMS	1.4	5.88N/mm	0.60kgf/mm
	25ZORWHS	1.6	8.43N/mm	0.86kgf/mm
ล้อเรซิน Resin Wheel (POM)	25ZORWMP	1.4	5.88N/mm	0.60kgf/mm
	25ZORWHP	1.6	8.43N/mm	0.86kgf/mm

Sheet Lifters - ซีทลิฟเตอร์

FOIL FREE™



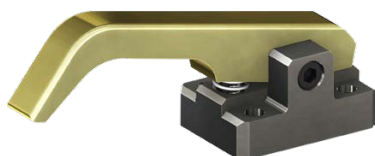
Model: 25SLCE-I

① (M) S45C



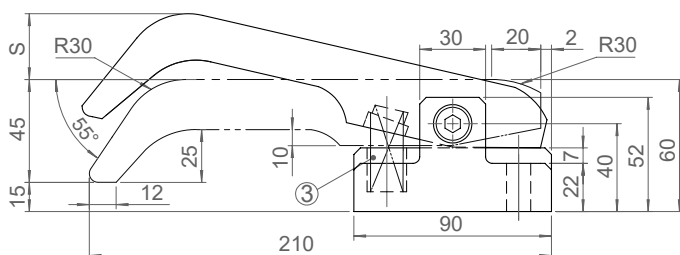
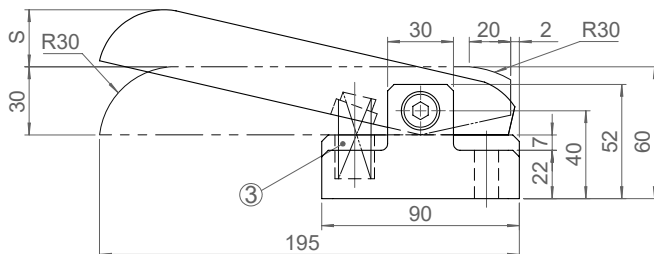
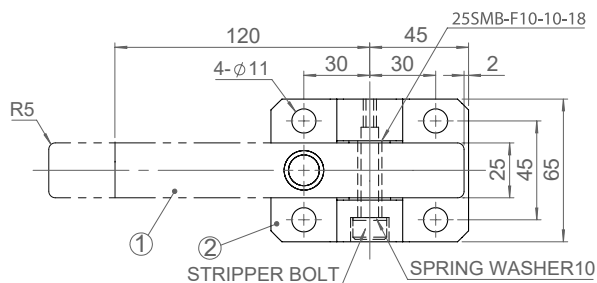
Model: 25SLCE-W

① (M) Copper Alloy



Model: 25SLC-W

① (M) Copper Alloy



ORDER EXAMPLE Model # ② (M) FC250 ③ Coil Spring

Model	#	Coil Spring		Stroke S	Min Lifting Load		Max Lifting Load		Min Spring Load		Max Spring Load	
		DxL	Color		N	kgf	N	kgf	N	kgf	N	kgf
25SLCE-I 25SLCE-W 25SLC-W	20U	17x50	Light Blue	20	18.3N	1.9kgf	24.5N	2.5kgf	73N	7.5kgf	98N	10kgf
	20R	17x50	Ivory			3kgf	39.2N	4kgf	117N	12kgf	157N	16kgf
	20S	17x50	Orange		54.9N	5.6kgf	73.5N	7.5kgf	220N	22.5kgf	294N	30kgf
	25U	17x50	Light Blue	25	16.9N	1.7kgf	24.5N	2.5kgf	67N	6.9kgf	98N	10kgf
	25R	17x50	Ivory		27N	2.8kgf	39.2N	4kgf	108N	11kgf	157N	16kgf
	25S	17x50	Orange		51N	5.2kgf	73.5N	7.5kgf	202N	20.6kgf	294N	30kgf

การปรับแต่งเสริม | Options

OPTION EXAMPLE Model # - Option 25SLCE-I20U-HTC

⚠ สำหรับวัสดุ S45C เท่านั้น
Only for S45C material model

Description	Location	Option
Induction Harden	Sheet Bar	HTC
Nickle Plating	Sheet Bar	HTM

ระบบเคลื่อนย้ายแม่พิมพ์

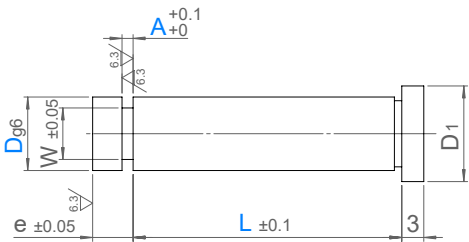
Guide Lifter - ไกด์ลิฟเตอร์

FOIL FREE™



SKS3
53-58HRC

Sub part harden up to 45HRC
Head part harden up to 45HRC



ORDER Model D - L - A Model: 25GLP แบบมาตรฐาน เลือกเฉพาะค่า L / A
EXAMPLE 25GLP8-25-2.0 Standard Type, choose only L / A

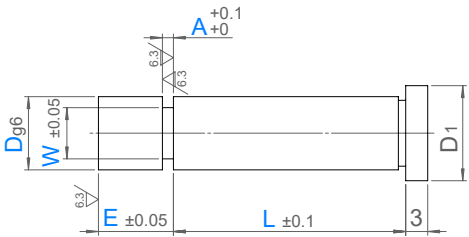
Model	D g6		L																A			e	W	D1
25GLP	4	-0.004 -0.012	10	15	20	22	25	28	30	33	35	36	40	45	50				0.5 / 0.8 / 1.0	5	2	6		
	6		10	15	20	22	25	28	30	33	35	36	40	45	50				0.5 / 0.8 / 1.0 / 1.6	7	3.6	8		
	8	-0.005 -0.014	10	15	20	22	25	28	30	33	35	36	40	45	50	55	60		1.0 / 1.6 / 2.0		5	10		
	10				20	22	25	28	30	33	35	36	40	45	50	55	60		1.6 / 2.0 / 2.5		6	13		
	13	-0.006 -0.017			20	22	25	28	30	33	35	36	40	45	50	55	60		2.0 / 2.5 / 3.6	7	16			
	16								30	33	35	36	40	45	50	55	60	70	2.0 / 2.5 / 4.0	12	8	19		
	20	-0.007 -0.020								33	35	36	40	45	50	55	60	70	3.6 / 5.0		10	23		

ORDER Model D - L - A Model: 25GLH แบบเลือกค่า L / A ขึ้นทีละ 0.1mm.
EXAMPLE 25GLH8-50.5-2.5 Increment Type, choose L / A increment by 0.1mm

Model	D	g6	0.1mm increment		e	W	D1
			L	A			
25GLH	4	-0.004	10.0 - 55.0	0.5 - 2.0	5	2	6
	6	-0.012	10.0 - 75.0	0.5 - 3.0		3.6	8
	8	-0.005	10.0 - 75.0	0.7 - 4.5		5	10
	10	-0.014	10.0 - 90.0	0.7 - 4.5	7	6	13
	13	-0.006	10.0 - 90.0	1.0 - 6.0		7	16
	16	-0.017	10.0 - 100.0	1.0 - 6.0		8	19
	20	-0.007	15.0 - 100.0	1.0 - 6.0	12	10	23
	25	-0.020	15.0 - 100.0	1.0 - 6.0		13	28

SKS3
53-58HRC

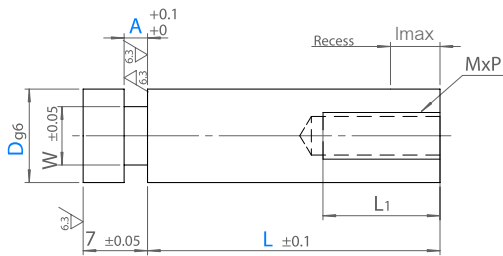
Sub part harden up to 45HRC
Head part harden up to 45HRC



ORDER Model D - L - A - E - W Model: 25GLK แบบเลือกค่า L / A / E / W ขึ้นทีละ 0.1mm.
EXAMPLE 25GLK10-45.5-4.1-5.5-5.5 Increment Type, choose L / A / E / W increment by 0.1mm

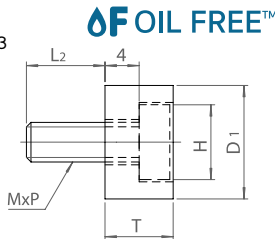
Model	D	g6	0.1mm increment				D1
			L	A	E	W	
25GLK	4	-0.004	15.0 - 45.0	0.5 - 2.0	5.0 - 10.0	1.5 - 2.2	6
	6	-0.012	15.0 - 72.0	0.5 - 3.0	5.0 - 10.0	2.5 - 4.6	8
	8	-0.005	15.0 - 72.0	0.7 - 4.5	5.0 - 10.0	3.5 - 6.0	10
	10	-0.014	15.0 - 82.0	0.7 - 4.5	5.0 - 15.0	5.0 - 8.0	13
	13	-0.006	20.0 - 82.0	1.0 - 6.0	5.0 - 15.0	6.0 - 11.0	16
	16	-0.017	20.0 - 82.0	1.0 - 6.0	10.0 - 20.0	6.0 - 14.0	19
	20	-0.007	20.0 - 82.0	1.0 - 6.0	10.0 - 20.0	10.0 - 18.0	23
	25	-0.020	20.0 - 82.0	1.0 - 6.0	10.0 - 20.0	13.0 - 22.0	28

Detachable Guide Lifter - ไกด์ลิฟเตอร์ แบบถอดได้

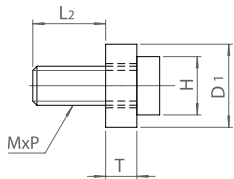


Model: 25GLR

! D = 10 ~ 13



! D = 6 ~ 8



ORDER
EXAMPLE

Model D - L - A
25GLR10-26.5-1.5

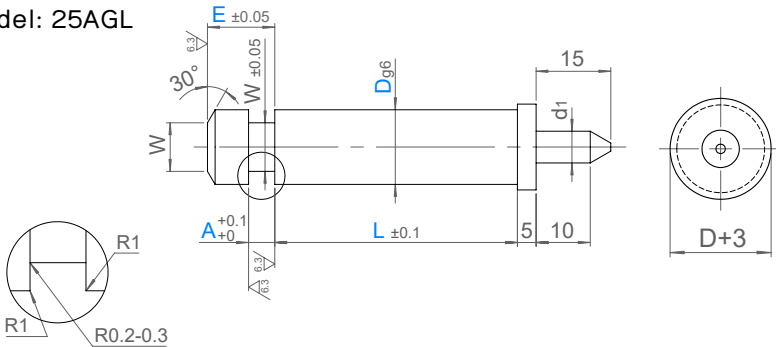
SKS3
53-58HRC

Model	D g6		0.1mm increment		W	D1	T	MxP	H	L1	L2	lmax
			L	A								
25GLR	6	-0.004 -0.012	20.0 - 60.0	0.5 - 3.0	3.6	8	3	M3x0.5	5.5	15	9	6
	8	-0.005 -0.014	20.0 - 60.0	0.7 - 4.0	5	10	3	M4x0.7	7			
	10	-0.005 -0.014	26.0 - 70.0	0.7 - 4.0	6	13	8	M4x0.7	7	21	11	10
	13	-0.006 -0.017	26.0 - 80.0	1.0 - 6.0	7	16	9	M5x0.8	8.5			

Heavy Load Guide Lifter - ไกด์ลิฟเตอร์ สำหรับงานหนัก



Model: 25AGL



SKS3
53-58HRC

ORDER
EXAMPLE

Model D - L - A - E
25AGL16-35.5-3.5-15.5

! ชูแข็งส่วนหัว สูงสุด 45HRC
Head part harden up to 45HRC

Model	D g6		0.1mm increment			W	d1
			L	A	E		
25AGL	13	-0.006 -0.017	30.0 - 80.0	3.0 - 10.0	7.0 - 18.0	8	6
	16	-0.006 -0.017	30.0 - 80.0	3.0 - 12.0	10.0 - 20.0	10	9.5
	20	-0.017 -0.020	30.0 - 90.0	3.0 - 15.0	10.0 - 23.0	13	9.5
	25	-0.017 -0.020	30.0 - 100.0	3.0 - 18.0	12.0 - 25.0	16	12

ระบบเคลื่อนย้ายแม่พิมพ์

Guide Lifter with Spring Hole - ไกด์ลิฟเตอร์แบบมีรูสปริง

FOIL FREE™

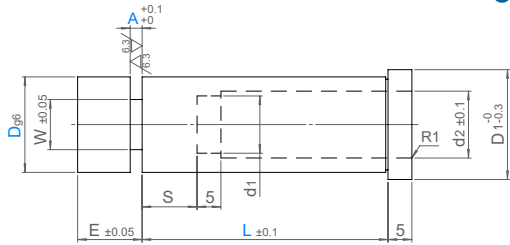


Model: 25GLSZ

SKS3
53-58HRC

ชุบแข็งส่วนหัว สูงสุด 45HRC
Head part harden up to 45HRC

ORDER Model D - L - A
EXAMPLE 25GLSZ20-50-5.0



Model	D g6		L										A			E	W	d1	d2	S	D1	
25GLSZ	13	-0.006 -0.017	30	35	40	45	50	55	60					2.0	2.5	3.6	7	7	6.5	8	10	16
	16		30	35	40	45	50	55	60					2.0	2.5	4.0		8	10.5	11	10	19
	20	-0.007 -0.020			40	45	50	55	60	65	70			3.6	4.0	5.0	12	10	13.5	14	12	23
	25				40	45	50	55	60	65	70	75	80	3.6	4.0	5.0		11	18.5	19	15	28
	32	-0.009 -0.025			40	45	50	55	60	65	70	75	80	5.0	6.0	7.0	17	13	25.5	26	18	35

Lifter Pin with Spring Hole - ลิฟเตอร์พินแบบมีรูสปริง

FOIL FREE™

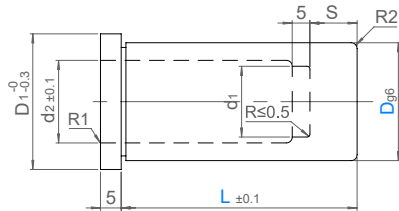


Model: 25LPAH

SKS3
53-58HRC

ชุบแข็งส่วนหัว สูงสุด 45HRC
Head part harden up to 45HRC

ORDER Model D - L
EXAMPLE 25LPAH20-50



Model	D g6		L											d1	d2	S	D1
25LPAH	13	-0.006 -0.017	30	35	40	45	50	55	60					6	8	10	16
	16		30	35	40	45	50	55	60					10	11	10	19
	20	-0.007 -0.020			40	45	50	55	60	65	70			13	14	12	23
	25				40	45	50	55	60	65	70	75	80	18	19	15	28
	32	-0.009 -0.025			40	45	50	55	60	65	70	75	80	25	26	18	35

Lifter Pin with Spring & Pilot Hole - ลิฟเตอร์พินแบบมีรูสปริง และ โพ๊ทพิท

FOIL FREE™

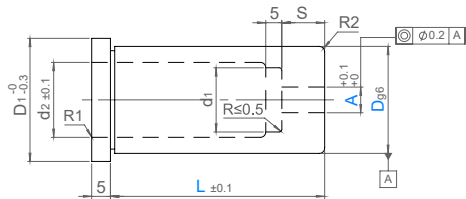


Model: 25LHAH

SKS3
53-58HRC

ชุบแข็งส่วนหัว สูงสุด 45HRC
Head part harden up to 45HRC

ORDER Model D - L
EXAMPLE 25LHAH20-50



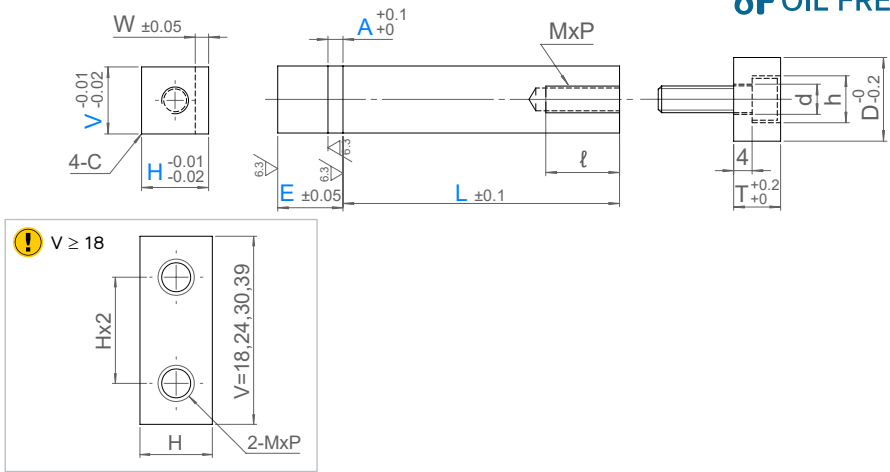
Model	D g6		L										d1	d2	S	D1
25LHAH	16	-0.006 -0.017	30	40	45	50	55	60					10	11	10	19
	20			40	45	50	55	60	65	70			13	14	12	23
	25	-0.007 -0.020		40	45	50	55	60	65	70	75	80	18	19	15	28
	32	-0.009 -0.025		40	45	50	55	60	65	70	75	80	25	26	18	35

Block Guide Lifters - บล็อกไกด์ลิฟเตอร์

FOIL FREE™



Model 25GLB



ORDER
EXAMPLE

Model V H - L - A - E
25GLB0808-20.5-0.7-1.5

SKS3
53-58HRC

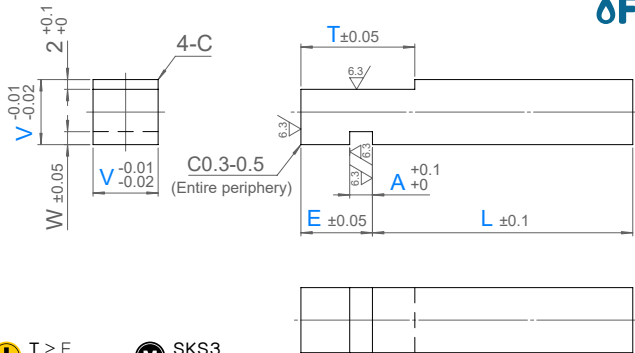
Model	V	H	0.1mm increment			W	C	MxP	ℓ	D	d	T	h
			L	A	E								
25GLB	05	05	20.0 - 60.0	0.5 - 3.6	5.0 - 15.0	1.5	0.5	M3 x 0.5	9	10	4	7	6.5
	06	06											
	18												
	08	08				2.0	0.8	M4 x 0.7	12	14	5	8	8
	24												
	10	10											
	30												
	13	13	26.0 - 80.0	2.5	M5 x 0.8	15	18	6	9	9.5			
	39												

Block Guide Lifters Fixed Type - บล็อกไกด์ลิฟเตอร์ แบบร่องตายตัว

FOIL FREE™



Model 25GLBK



ORDER
EXAMPLE

Model V - L - A - E - T
25GLBK10-35-1.5-5.5-30.5

SKS3
53-58HRC

Model	V	5mm increment	0.1mm increment			W	C
		L	A	E	T		
25GLBK	6	30 - 80	0.5 - 4.0	5.0 - 25.0	5.0 - 50.0	1.5	0.5
	8					2.0	0.8
	10					2.5	
	13					2.5	

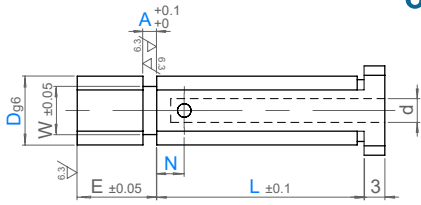
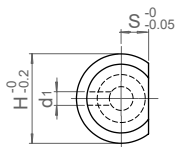
ระบบเคลื่อนย้ายแม่พิมพ์

Guide Lifters with Air Hole - ไกด์ลิฟเตอร์ แบบมีช่องอากาศ

FOIL FREE™



Model: 25GLJS



ORDER	Model	D - L - N - A
EXAMPLE	25GLJS8-30-3-1.6	

SKS3
53-58HRC

! ชูแข็งส่วนหัว สูงสุด 45HRC
Head part harden up to 45HRC

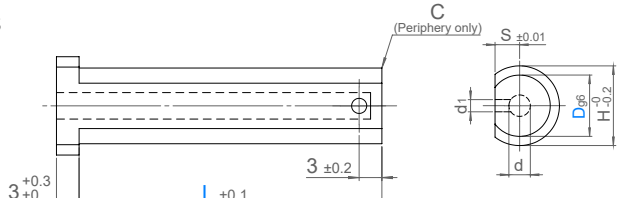
D g6	L	N 1mm increment	A	W	H	E	d	d1	S
4	-0.004	10 15 20 22 25 28 30 33 35 36 40 45 50	0.5 / 0.8 / 1.0	2.0	6	5	2.0	1.5	1.75
6	-0.012	10 15 20 22 25 28 30 33 35 36 40 45 50	0.5 / 0.8 / 1.0 / 1.6	3.6	8		2.5		2
8	-0.005	15 20 22 25 28 30 33 35 36 40 45 50 55	1.0 / 1.6 / 2.0	5.0	10	12	3.5	2.0	3
10	-0.014	20 22 25 28 30 33 35 36 40 45 50 55	1.6 / 2.0 / 2.5	6.0	13		4.5	2.5	4
13	-0.006	20 22 25 28 30 33 35 36 40 45 50 55	2.0 / 2.5 / 3.6	7.0	16				5
16	-0.017	30 33 35 36 40 45 50 55 60 70	2.0 / 2.5 / 4.0	8.0	19	12			6

Lifter Pins with Air Hole - ลิฟเตอร์พิน แบบมีช่องอากาศ

FOIL FREE™



Model: 25LJS



ORDER	Model	D - L
EXAMPLE	25LJS8-30	

SKS3
53-58HRC

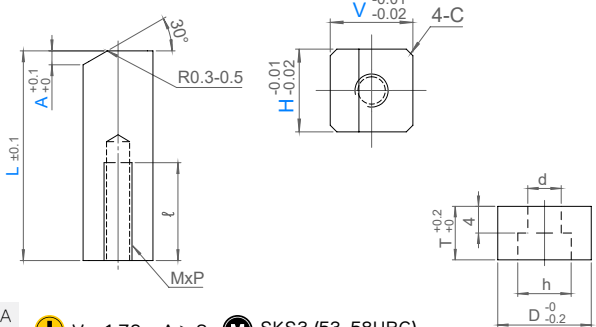
Model	D g6	L	H	d	d1	S	C
25LJS	4	-0.004	6	2.0	1.5	1.75	0.3
	6	-0.012	8	2.5		2	
	8	-0.005	10	3.5	2.0	3	0.5
	10	-0.014	13			4	

Block Lifter - บล็อกลิฟเตอร์

FOIL FREE™



Model: 25BLR



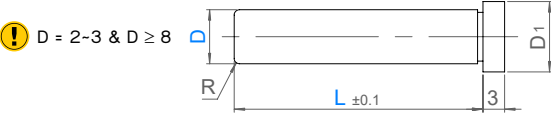
ORDER	Model	V H - L - A
EXAMPLE	25BLR0808-40.5-1.5	

! V - 1.73 x A ≥ 2 (M) SKS3 (53-58HRC)

Model	V	H	L 0.1mm increment	A 0.1mm increment	C	MxP	ℓ	D	d	T	h	Bolt
25BLR	06	06	20.0 - 60.0	0.5 - 3.6	0.5	M3 x 0.5	9	10	4	7	6.5	24CB3x10
	08	08				M4 x 0.7	12	14	5	8	8.0	24CB4x12
	10	10				M5 x 0.8	15	18	6	9	9.5	24CB5x15
	13	13										

Lifter Pins - ลิฟเตอร์พิน

Oil Free™



SKS3
53-58HRC
ชุบแข็งส่วนหัว สูงสุด 45HRC
Head part harden up to 45HRC

ORDER Model D - L
EXAMPLE 25LP10-50 Model: 25LP แบบมาตรฐาน เลือกเฉพาะค่า L
Standard Type, choose only L

Model	D		L																D1	D2	R	
25LP	2	0 -0.05	10	15														3	-	0.3		
	3		10	15	20	22	25	28	30	33	35	36	40								4	
	4		10	15	20	22	25	28	30	33	35	36	40	45	50						6	3
	6		10	15	20	22	25	28	30	33	35	36	40	45	50	55	60		8	4.6	-	0.5
	8		10	15	20	22	25	28	30	33	35	36	40	45	50	55	60		10			
	10				20	22	25	28	30	33	35	36	40	45	50	55	60		13	2.0		
	13				20	22	25	28	30	33	35	36	40	45	50	55	60		16			
	16								30	33	35	36	40	45	50	55	60	70	19			
	20								30	33	35	36	40	45	50	55	60	70	23			

ORDER Model D - L
EXAMPLE 25LPH10-55.5 Model: 25LPH แบบเลือกค่า L ขั้นทีละ 0.1 มม.
Increment Type, choose L increment by 0.1mm

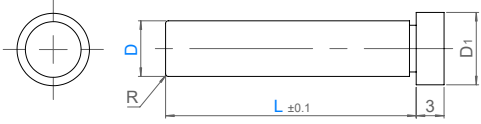
Model	D g6		L 0.1mm increment		D1	D2	R
25LPH	2	-0.002	10.0 - 40.0		3	-	0.3
	3	-0.008	10.0 - 50.0		4		
	4	-0.004	10.0 - 50.0		6	3	
	6	-0.012	10.0 - 60.0		8	4.6	0.5
	8	-0.005	10.0 - 80.0		10		
	10	-0.014	10.0 - 80.0		13		
	13	-0.006	20.0 - 90.0		16	-	2.0
	16	-0.017	20.0 - 100.0		19		
	20	-0.007	25.0 - 100.0		23		
25	-0.020	30.0 - 100.0		28			

Resin (POM) Lifter Pins - ลิฟเตอร์พิน แบบเรซิน (POM)

Oil Free™



Model: 25JLP



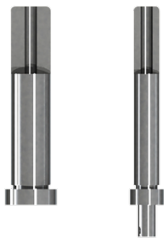
ORDER Model D - L
EXAMPLE 25JLP10-10.5 (M) POM

Model	D		L 0.1mm increment	D1	R
25JLP	2	0 -0.05	10.0 - 30.0	3	0.3
	3		10.0 - 30.0	4	
	4		10.0 - 40.0	6	
	6		10.0 - 50.0	8	0.5
	8		10.0 - 60.0	10	
	10		10.0 - 60.0	13	

ระบบเคลื่อนย้ายแม่พิมพ์

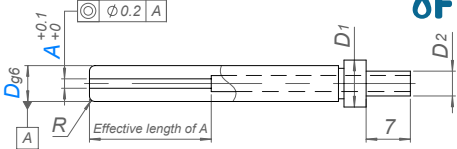
Lifter Pins with Pilot Punch Relief Hole - ลิฟเตอร์พิน แบบมีช่องไฟลัดพ้นซ์

FOIL FREE™

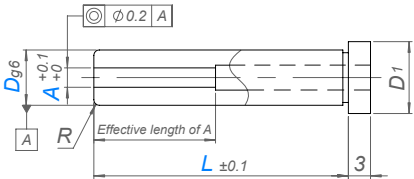


Model: 25LHH

⚠ D = 4-6



⚠ D = 3-5 & D ≥ 10



SKS3
53-58HRC

⚠ ชูบแข็งส่วนหัว สูงสุด 45HRC
Head part harden up to 45HRC

ORDER Model D - L - A
EXAMPLE 25LHH10-20.5-1.7

Model	D g6		L 0.1mm increment	A	D1	D2	min. effective length of A	R
25LHH	3	-0.002 -0.008	20.0 - 30.0	0.8 - 1.4 (0.1mm increment)	4	-	2	0.3
	4	-0.004 -0.012	20.0 - 50.0	1.0 - 2.3 (0.1mm increment)	6	3	2	
	5		20.0 - 50.0	1.4 - 3.0 (0.1mm increment)	6.4	-	3	
	6		20.0 - 50.0	1.4 - 3.5 (0.1mm increment)	8	4.6		
	8	-0.005 -0.014	20.0 - 50.0	1.4 - 5.3 (0.3mm increment)	10	-	4	0.5
	10		20.0 - 60.0	1.4 - 5.3 (0.3mm increment)	13		5	
				5.5 / 5.8 / 6.0 / 6.3 / 6.8				
	13	-0.006 -0.017	20.0 - 60.0	1.8 - 9.3 (0.5mm increment)	16		6	
	16		20.0 - 60.0	2.0 - 11.5 (0.5mm increment)	19		8	
	20		-0.007 -0.020	20.0 - 60.0	2.0 - 15.5 (0.5mm increment)		23	

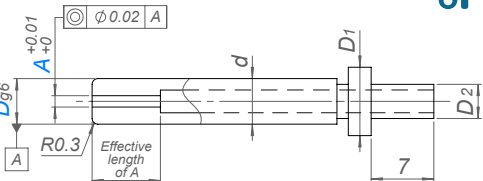
Lifter Pins with Pilot Punch Relief Hole - ลิฟเตอร์พิน แบบมีช่องไฟลัดพ้นซ์

FOIL FREE™

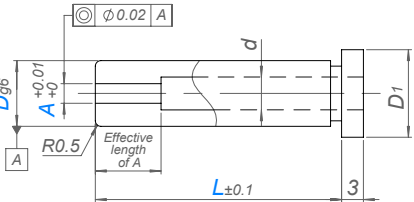


Model: 25LHHV

⚠ D = 4-6



⚠ D = 8



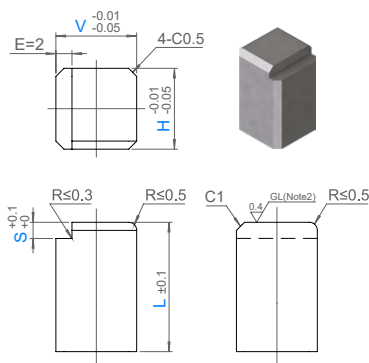
SKS3
53-58HRC

⚠ ชูบแข็งส่วนหัว สูงสุด 45HRC
Head part harden up to 45HRC

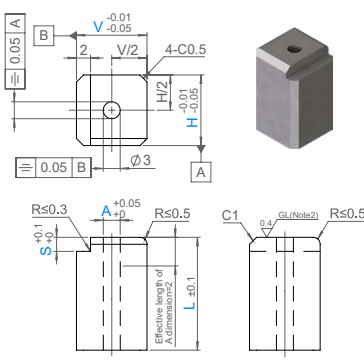
ORDER Model D - L - A
EXAMPLE 25LHHV8-35-2.45

Model	D g6		L				A 0.01mm increment	D1	D2	min. effective length of A	d
25LHHV	4	-0.004 -0.012	20	22	25	30	1.00 - 1.60	6	3	2	2.2
	6				25	30 33 35	1.00 - 3.00	8	4.6	3	3.4
	8	-0.005 -0.014				30 33 35 40	1.00 - 4.00	10	-	4	4.4

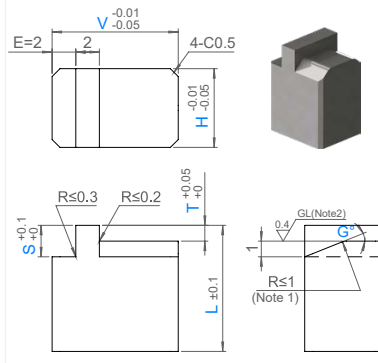
Model: 25BLL-L



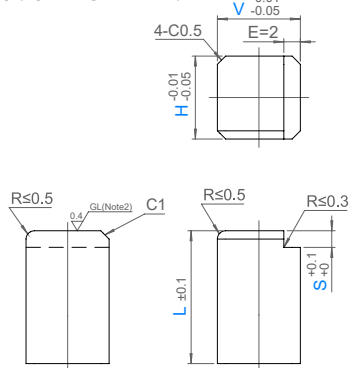
Model: 25BLH-L



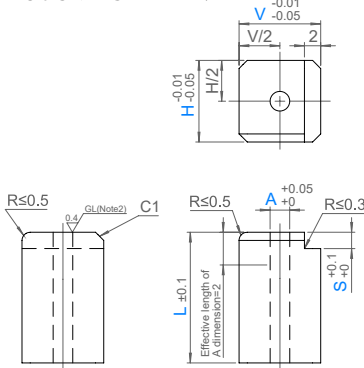
Model: 25BLLF-L



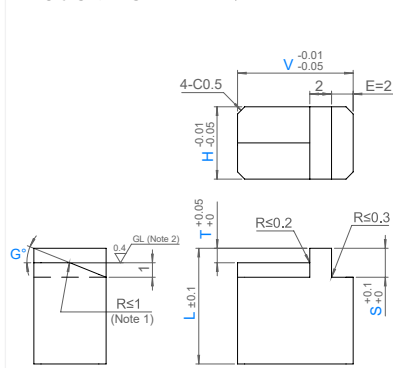
Model: 25BLL-R



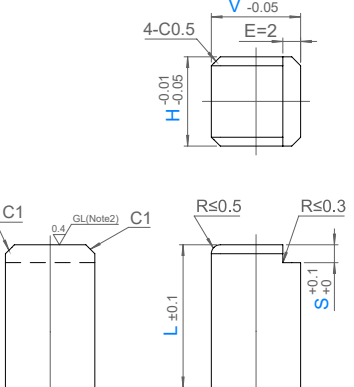
Model: 25BLH-R



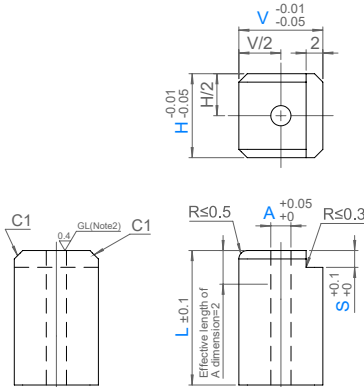
Model: 25BLLF-R



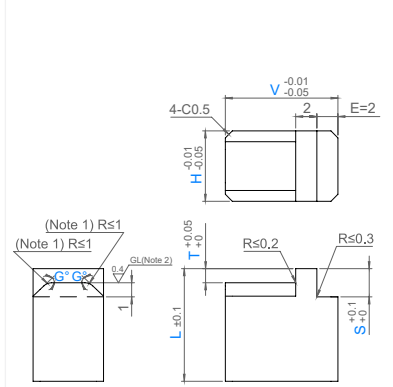
Model: 25BLL-W



Model: 25BLH-W



Model: 25BLLF-W



ORDER
EXAMPLE

Model V - H - L - S - A - T - G
25BLL-L8-6-10-2-0.5-30



SKD11
60-63HRC

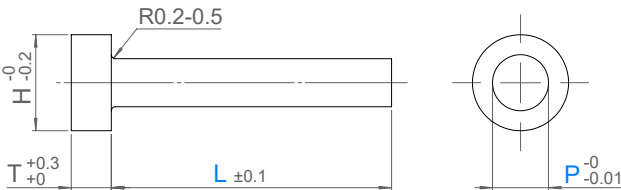
Model	V	H	L	S	T 0.1mm increment	G	Model	V	H	L	S	A 0.1mm increment
25BLL-L 25BLL-R 25BLL-W 25BLLF-L 25BLLF-R 25BLLF-W	5	5	10	1	-	-	25BLH-L 25BLH-R 25BLH-W	6	6	8 10	1 2	0.8 - 1.8
	6	6		2				8	8			1.0 - 3.5
	8	6	10	1	0.1 - 2.5	30		10	10			1.0 - 5.0
	8	8										
	10	6										
	10	8	13	2	0.1 - 3.0	45						
	10	10										
	13	6										
	13	8	25	3	0.1 - 3.5							
	10											

ระบบเคลื่อนย้ายแม่พิมพ์

Knockout Pin - น๊อคเอาท์พิน



Model: 25KOP



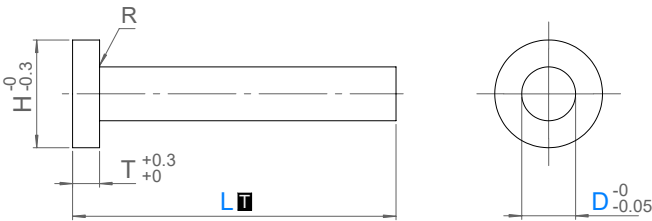
ORDER EXAMPLE	Model	No.	L	P	SKS3 53-58HRC
	25KOP10-50.5-5.05				

Model	No.	L 0.1mm increment	P 0.01mm increment	T	H
25KOP	4	7.0 - 60.0	1.00 - 4.00	3	6
	6		1.00 - 6.00		8
	8		2.00 - 8.00	5	10
	10		3.00 - 10.00		12
	12		4.00 - 12.00		14
	13		6.00 - 13.00		16

Push Pins - พูชพิน



Model: 25JPWH



ORDER EXAMPLE	Model	D	L	SKD61 50HRC-
	25JPWH5-10.1			

Model	D	L 0.1mm increment		R	T	H
25JPWH	2	10.0 - 100.0	±0.1	0.5 ≤ R ≤ 1.0	5	5
	3					8
	4					10
	5					12
	6					14
	8					16
	10					18

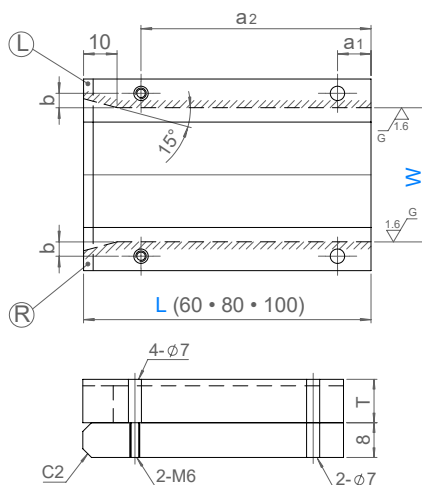
Material Guide Units - ชุดประกอบไกด์

A Type Model: 25ZGUA

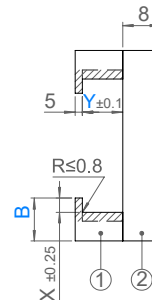
แบบติดตั้งกับไดเซต
Fixed to Die Set



Model		L	a1	a2
25ZGUA	Unit	60		45
25ZGUA-R	Rail (R)	80	10	65
25ZGUA-L	Rail (L)	100		75



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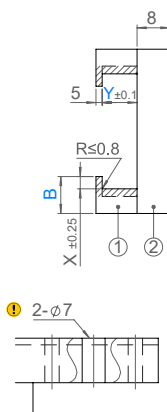
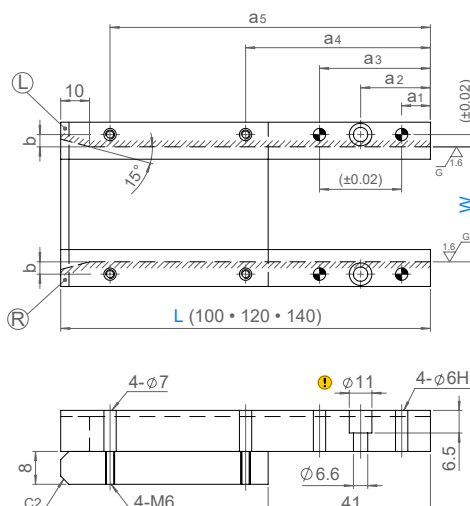


B Type Model: 25ZGUB

แบบติดตั้งกับคานาเหล็ก
Fixed to Die Plate



Model		L	a1	a2	a3	a4	a5
25ZGUB	Unit	100					85
25ZGUB-R	Rail (R)	120	8	20	32	50	105
25ZGUB-L	Rail (L)	140					115



ORDER
EXAMPLE

Model D - L - Y - W
25ZGUA16-80-10-100.5



S50C (55HRC-)

Induction Harden

! If B=13 or Y ≤ 4, φ7 through hole

Model	D	L	Y 1mm increment	W 0.1mm increment	b	X
25ZGUA	13	60	1 - 30	10.0 - 160.0	5	3
	16	80			7	3
	20	100			8	5
25ZGUB	13	100	1 - 30	10.0 - 160.0	5	3
	16	120			7	3
	20	140			8	5

Model	D	L	Y 1mm increment	b	X
25ZGUA-R 25ZGUA-L	13	60	1 - 30	5	3
	16	80		7	3
	20	100		8	5
25ZGUB-R 25ZGUB-L	13	100	1 - 30	5	3
	16	120		7	3
	20	140		8	5

ระบบเคลื่อนย้ายแม่พิมพ์

Material Guide Units - ชุดประกอบไกด์

A Type

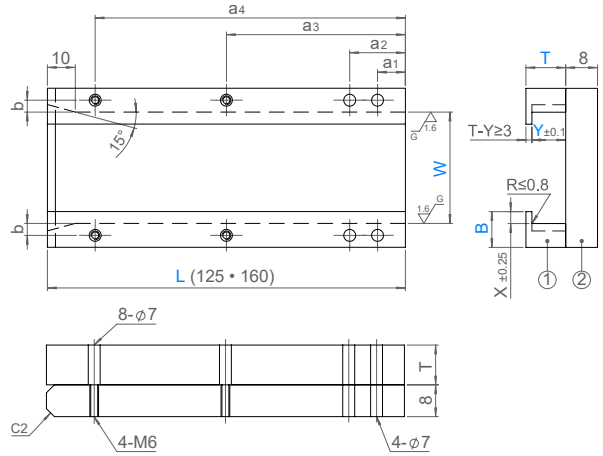
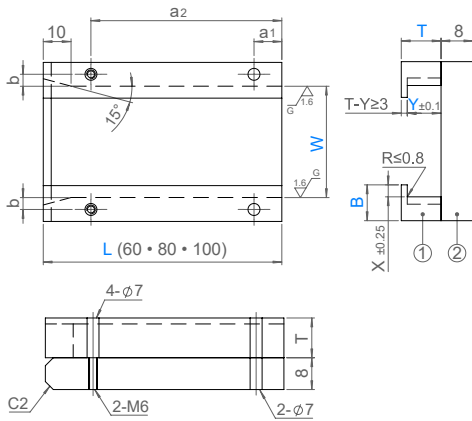
Model: 25SUK-A

แบบติดตั้งกับไดเซต
Fixed to Die Set

⚠ L = 60 / 80 / 100

⚠ L = 125 / 160

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① (M) SKS3 ② (M) S50C

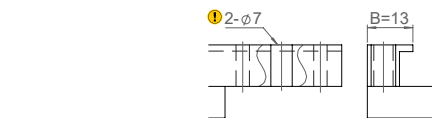
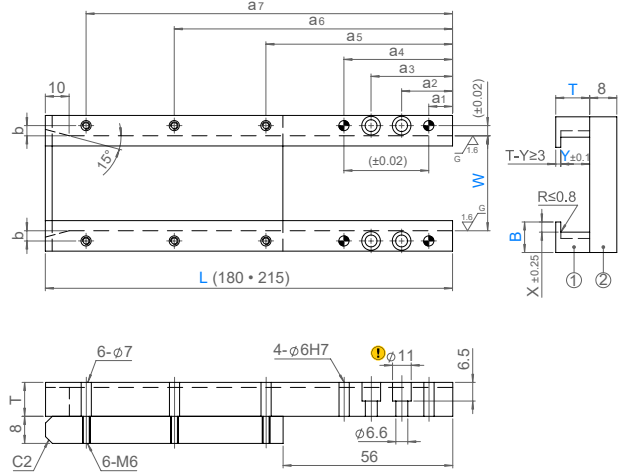
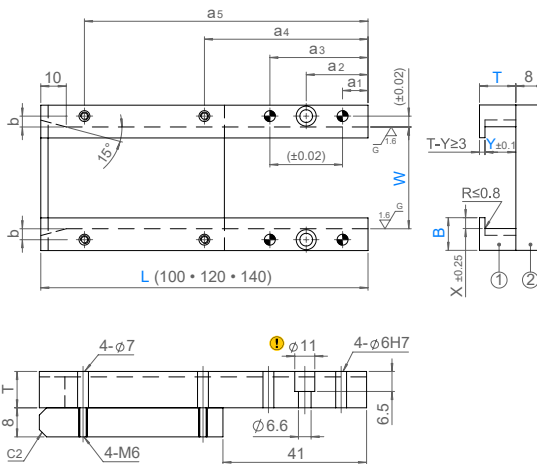
B Type

Model: 25SUK-B

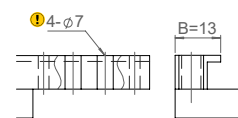
แบบติดตั้งกับตายเฟลท
Fixed to Die Plate

⚠ L = 100 / 120 / 140

⚠ L = 180 / 215



⚠ If B=13 or T = 6-8, Ø7 through hole



⚠ if B=13 or T = 6-8, Ø7 through hole

① (M) SKS3 ② (M) S50C

ORDER EXAMPLE	Model	B	-	T	-	L	-	Y	-	W
	25SUK-A13-8-100-5.0-120.5									

Model	B	T					L	Y 0.1mm. Increment	W 0.1mm. Increment	a1	a2	a3	a4	a5	a6	a7	b	X
25SUK-A	13	6	8	10			60	1.0 - T-3.0	7.0 - 160.0	10	45	-	-				5	3
							80				65							
							100				75							
							125				25	60	100					
	16	6	8	10	13		60			10	45	-	-				7	3
							80				65							
							100				75							
							125				25	60	100					
	20		8	10	13	16	60			10	45	-	-	-	-	-	8	5
							80				65							
							100				75							
							125				25	60	100					
	25		8	10	13	16	60			10	45	-	-				10	5
							80				65							
							100				75							
							125				25	60	100					
							160				25	60	135					
25SUK-B	13	6	8	10			100			8	20		50	85	-	-	5	3
							120							105				
							140							115				
							180							35	47	75	115	115
	16	6	8	10	13		100			8	20		50	85	-	-	7	3
							120							105				
							140							115				
							180							35	47	75	115	115
	20		8	10	13	16	100			8	20		50	85	-	-	8	5
							120							105				
							140							115				
							180							75	115	115		
	25		8	10	13	16	215							75	130	190		
							100			8	20		50	85	-	-	10	5
							120							105				
							140							115				
							180							75	115	115		
							215							75	130	190		

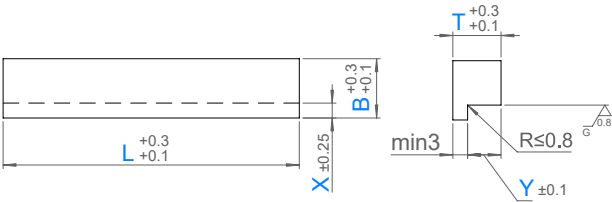
Die Transfers

ระบบเคลื่อนย้ายแม่พิมพ์

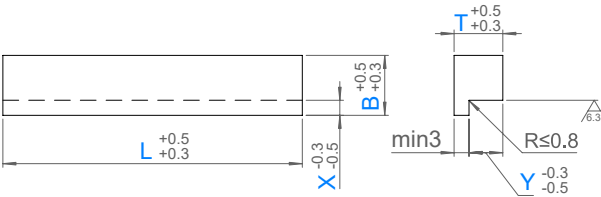
Stock Guide Plate - แผ่นสต็อคไกด์



Model: 25SBM



Model: 25SBA



Die Transfers

ORDER Model B - T - L - X - Y  SKS3
EXAMPLE 25SBM13-6-150-3.2-2.8 37-41HRC

Model	B	T	L 1mm increment	X 0.1mm increment	Y 0.1mm increment
25SBM 25SBA	13	6 , 8 , 10	10 - 200	1.0 - 5.0	1.0 - T-3.0
	16	6 , 8 , 10 , 13	10 - 200		
	20	8 , 10 , 13 , 16	10 - 200		
	25	8 , 10 , 13 , 16	10 - 200		

Spacer for Stock Guide - สเปเซอร์สำหรับสต็อคไกด์



Model: 25SSG



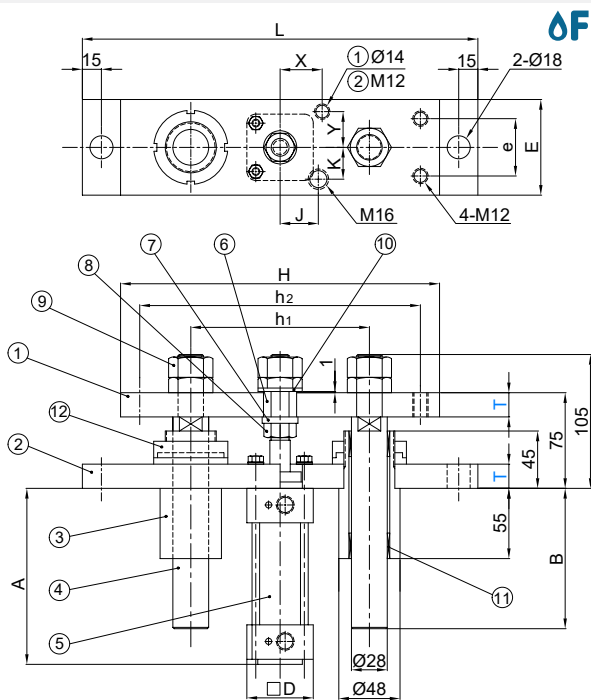
ORDER Model - A - B - T  SS400
EXAMPLE 25SSG-100-40-55

Model	A	B	T 1mm increment
25SSG	60	25	5 - 60
	80		
	100		
	125	40	
	160		
	200		

Lifter Units - ลิฟเตอร์ยูนิต



Model:
25LTHS
25CLTHS



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Die Transfers

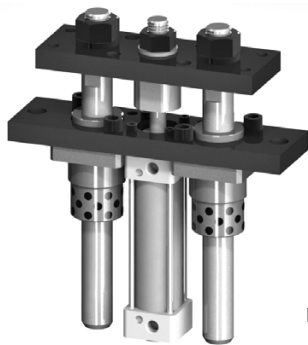
No.	Description	qty	Material and Remark	⑤ Air Cylinder	SMC
1	Lifter Plate	1	SS400	Cylinder Tube Inner Diameter	ø40, ø63
2	Base Plate	1	SS400	Model	MB
3	Guide Holder	2	STKM13A	Operation Method	Double Acting Side Load
4	Guide Pin	2	S45C (55-60HRC)	Gauranteed Pressure Resistance	1.5MPa (15.3kgf/cm²)
5	Air Cylinder	1	SMC	Maximum Use Pressure	1.0MPa (10.2kgf/cm²)
6	Collar	1	STKM13A	Minimum Use Presssure	0.05MPa (0.5kgf/cm²)
7	Spacer	1	SS400	Ambient Temp and Air Temp During Use	-5-60°C
8	Hex Nuts	1	SS400 M20XP2.5	Piston Speed	50-1000MM/S
9	Hard Lock Nut	3	SS400 M20XP2.5	Stroke Length Tolerance	+1.0 +0
10	Flat Washers	1	SS400 for M20	Cushion	Both Side (Air Cushion)
11	Oil Free Bush	4	PTFE Type Bushing	Connection Opening Diameter	ø40: Rc (PT) 1/4, ø63: Rc (PT) 3/8
12	Hard Lock Nut	2	M40XP1.5	Installation Instruction	Basic Form

ORDER	Model	D - S - T
EXAMPLE	25LTHS40-50-16	

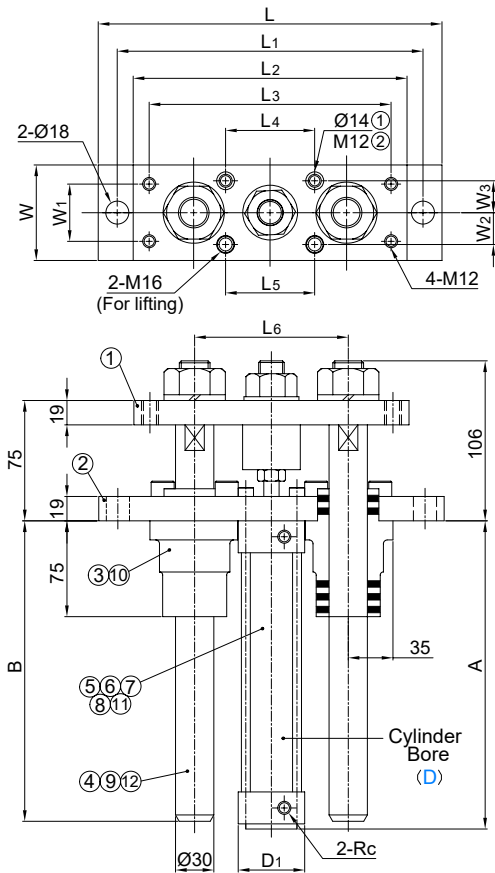
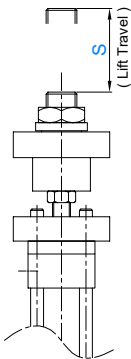
Model	Cylinder Inner D	Stroke S	T	H	h1	h2	L	E	e	D	J	K	X	Y	A	B											
25LTHS (Standard)	40	50	16	250	160	220	310	75	45	52	30	25	33	28	138	110											
		75													163	135											
		100	19												188	160											
	63	50	16												270	160	240	330	90	70	75	35	30	48	32	148	110
		75																								173	135
		100	19																							198	160
25CLTHS (Compact)	40	50	16	215	115	185	270	75	45	52	30	25	33	28												138	110
		75																								163	135
		100	19																							188	160
	63	50	16												240	135	210	295	90	70	75	35	30	48	32	148	110
		75																								173	135
		100	19																							198	160

ระบบเคลื่อนย้ายแม่พิมพ์

H-Type Lifter Unit - ลิฟต์เดอรียูนิต (H-Type)



Model: 25SHGC



ORDER	Model	D - S
EXAMPLE	25SHGC40-50	

Cylinder Bore D	Stroke S	A	B	Rc	D1	L	L1	L2	L3	L4	L5	L6	W	W1	W2	W3
40	50	138	130													
	75	163	155													
	100	188	180													
	125	213	205													
	150	238	230													
	175	263	255	1/4	52	270	240	215	190	66	60	120	75	45	25	28
	200	288	280													
	225	313	305													
	250	338	330													
	275	363	355													
	300	388	380													
63	50	148	110													
	75	173	135													
	100	198	160													
	125	223	205													
	150	248	230													
	175	273	255	3/8	75	290	260	235	215	96	70	145	90	70	30	32
	200	298	280													
	225	323	305													
	250	348	330													
	275	373	355													
	300	398	380													

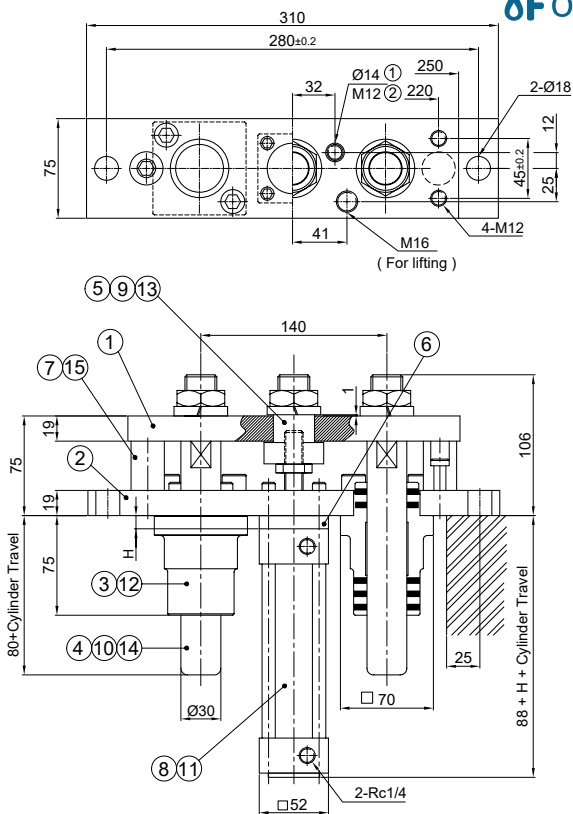
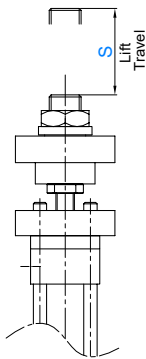
No.	Description	qty	Material and Remark
1	Lifter Plate	1	SS400
2	Cylinder Holder plate	1	SS400
3	Guide Holder	2	FC250 with Graphite
4	Guide Pin	2	S45C HRC50 - 60
5	Air Cylinder	1	SMC MB40 or MB63
6	Joint	1	SS400
7	Hex Socket Bolt	4	M6 or M8
8	U Nut	1	M20
9	U Nut	2	M24
10	Hex Socket Bolt	4	M12 x 35
11	Flat Washer	1	for M20
12	Spring Washer	2	for M24

H-Type Lifter Unit - ลิฟเตอร์ยูนิต (H-Type)

Oil Free™



Model: 25SHGT40



ORDER
EXAMPLE Model D - S
25SHGT40-50

Model	Cylinder Bore D	Stroke S	H	Cylinder Travel
25SHGT	40	10	40	50
		20	30	
		30	20	
		40	10	
		50	0	
		60	40	100
		70	30	
		80	20	
		90	10	
		100	0	
		110	40	150
		120	30	
		130	20	
		140	10	
		150	0	
		160	40	200
		170	30	
		180	20	
		190	10	
		200	0	
		210	40	250
		220	30	
		230	20	
		240	10	
		250	0	

No.	Description	qty	Material and Remark
1	Lifter Plate	1	SS400
2	Cylinder Holder Plate	1	SS400
3	Guide Holder	2	FC250 with Graphite
4	Guide Pin	2	S45C HRC50 - 60
5	Joint	1	SS400
6	Block	1	SS400
7	Stopper	2	Urethane
8	Air Cylinder	1	SMC MB40
9	U Nut	1	M20
10	U Nut	2	M24
11	Hex Socket Head Bolt	4	M6
12	Hex Socket Head Bolt	4	M12 x 35
13	Flat Washer	1	for M20
14	Spring Washer	2	for M24
15	Shoulder Bolt	2	M8 x 20

ชิ้นส่วนประกอบ | Accessory Parts

6) Block

Model	D	H
25HLSPC	40	10
		20
		30
		40

ORDER
EXAMPLE Model D - H
25HLSPC40-30

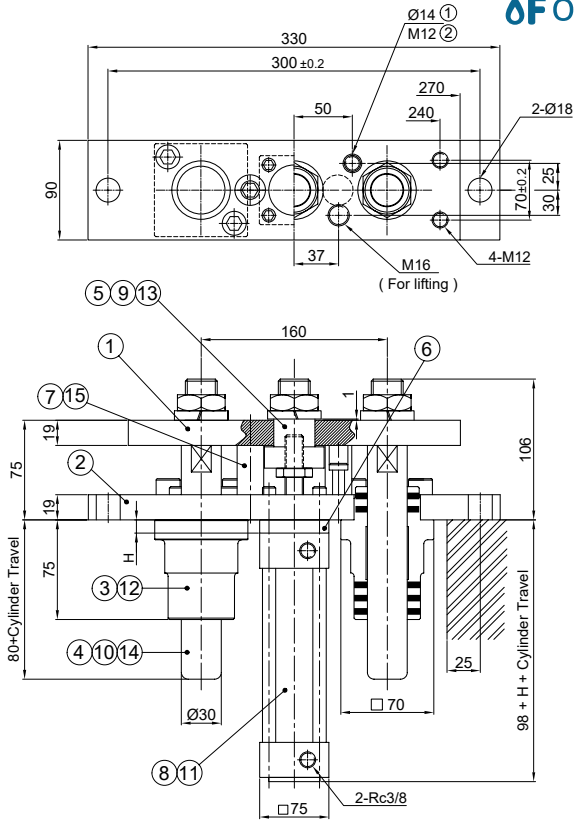
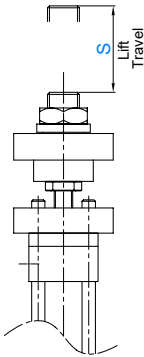
ระบบเคลื่อนย้ายแม่พิมพ์

H-Type Lifter Unit - ลิฟเตอร์ยูนิต (H-Type)

FOIL FREE™



Model: 25SHGT63



ORDER	Model	D - S
EXAMPLE	25SHGT63-50	

Model	Cylinder Bore D	Stroke S	H	Cylinder Travel
25SHGT	63	10	40	50
		20	30	
		30	20	
		40	10	
		50	0	
		60	40	100
		70	30	
		80	20	
		90	10	
		100	0	
		110	40	150
		120	30	
		130	20	
		140	10	
		150	0	
		160	40	200
		170	30	
		180	20	
		190	10	
		200	0	
		210	40	250
		220	30	
		230	20	
		240	10	
		250	0	

No.	Description	qty	Material and Remark
1	Lifter Plate	1	SS400
2	Cylinder Holder Plate	1	SS400
3	Guide Holder	2	FC250 with Graphite
4	Guide Pin	2	S45C HRC50 - 60
5	Joint	1	S45C
6	Block	1	SS400
7	Stopper	2	Urethane
8	Air Cylinder	1	SMC MB63
9	U Nut	1	M20
10	U Nut	2	M24
11	Hex Socket Head Bolt	4	M6
12	Hex Socket Head Bolt	4	M12 x 35
13	Flat Washer	1	for M20
14	Spring Washer	2	for M24
15	Shoulder Bolt	2	M8 x 20

ชิ้นส่วนประกอบ | Accessory Parts

6) Block

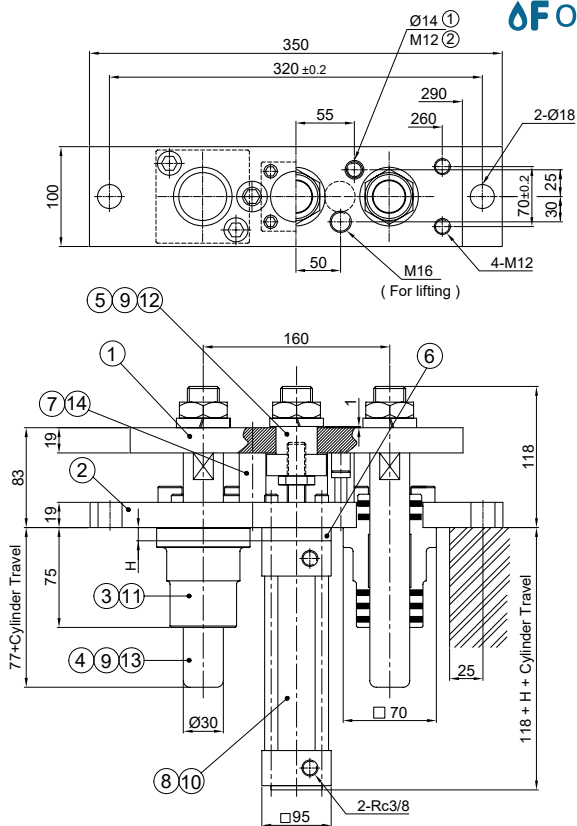
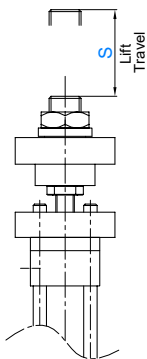
Model	D	H	ORDER	Model	D - H
25HLSPC	63	10	EXAMPLE	25HLSPC63-30	
		20			
		30			
		40			

H-Type Lifter Unit - ลิฟเตอร์ยูนิต (H-Type)

FOIL FREE™



Model: 25SHGT80



ORDER
EXAMPLE Model D - S
25SHGT80-50

Model	Cylinder Bore D	Stroke S	H	Cylinder Travel
25SHGT	80	10	40	50
		20	30	
		30	20	
		40	10	
		50	0	
		60	40	100
		70	30	
		80	20	
		90	10	
		100	0	
		110	40	150
		120	30	
		130	20	
		140	10	
		150	0	
		160	40	200
		170	30	
		180	20	
		190	10	
		200	0	
		210	40	250
		220	30	
		230	20	
		240	10	
		250	0	

No.	Description	qty	Material and Remark
1	Lifter Plate	1	SS400
2	Cylinder Holder	1	SS400
3	Guide Holder	2	FC250 with Graphite
4	Guide Pin	2	S45C HRC50 - 60
5	Joint	1	S45C
6	Block	1	SS400
7	Stopper	2	Urethane
8	Air Cylinder	1	SMC MB80
9	U Nut	3	M24
10	Hex Socket Bolt	4	M6
11	Hex Socket Bolt	4	M12 x 35
12	Flat Washer	1	for M20
13	Spring Washer	2	for M24
14	Shoulder Bolt	2	M8 x 20

ชิ้นส่วนประกอบ | Accessory Parts

6) Block

Model	D	H
25HLSPC	80	10
		20
		30
		40

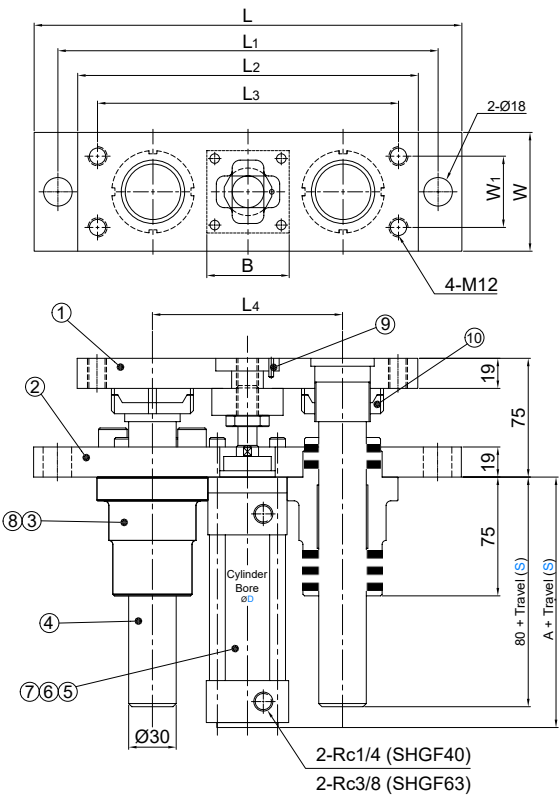
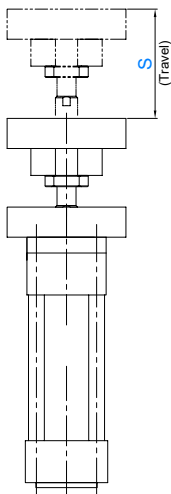
ORDER
EXAMPLE Model D - H
25HLSPC80-30

ระบบเคลื่อนย้ายแม่พิมพ์

H-Type Lifter Unit - ลิฟเตอร์ยูนิต (H-Type)



Model: 25SHGF

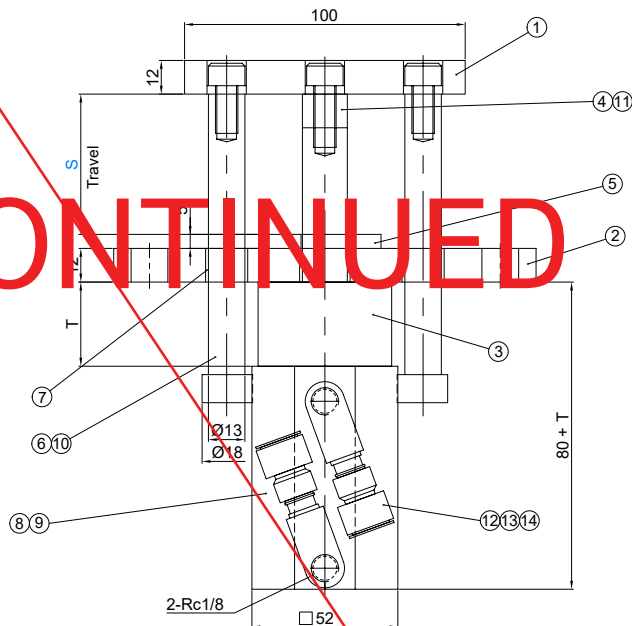


ORDER	Model	D - S
EXAMPLE	25SHGF40-50	

Cylinder Inner D	Stroke S	A	B	Rc	L	L1	L2	L3	L4	W	W1
40	50										
	75										
	100										
	125										
	150										
	175	88	52	1/4	270	240	215	190	120	75	45
	200										
	225										
	250										
	275										
63	300										
	50										
	75										
	100										
	125										
	150										
	175	98	75	3/8	290	260	235	215	145	90	70
	200										
	225										
	250										
	275										
	300										

No.	Description	qty	Material and Remark
1	Lifter Plate	1	SS400
2	Cylinder Holder Plate	1	SS400
3	Guide Holder	2	FC250 with Graphite
4	Guide Pin	2	S45C HRC50 - 60
5	Air Cylinder	1	SMC MB40 or MB63
6	Joint	1	S45C
7	Hex Socket Head Bolt	4	M6x35 (D=40) M8x35 (D=63)
8	Hex Socket Head Bolt	4	M12 x 35
9	Spring Pin	1	Ø6 x 12
10	Hard Lock Nut	2	M35

Technical drawing of the front view of a mechanical part, labeled "Fig. 1". The part is a rectangular plate with a central circular feature. Dimensions include overall width 150, overall height 60, and a central hole diameter of 40 (D). There are four Ø13.1 holes in the top corners, two Ø11 M10 holes in the top center, and two Ø6H7 holes in the bottom corners. A 40(D) Cylinder Bore is indicated. The drawing also shows a 2-Ø11 hole and a 2-M8 hole. Tolerances are specified for several dimensions: 30 ± 0.05, 90 ± 0.05, and 125.



DISCONTINUED

ORDER EXAMPLE	Model	D - S
	25SHLS40-20	

Model	Cylinder Bore D	Stroke S	Stroke S	20	30
25SHLS	40	20	Block height T	30	20
		30	Cylinder Travel	50	

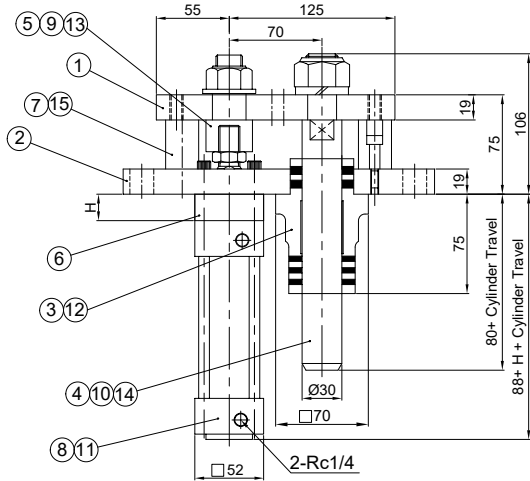
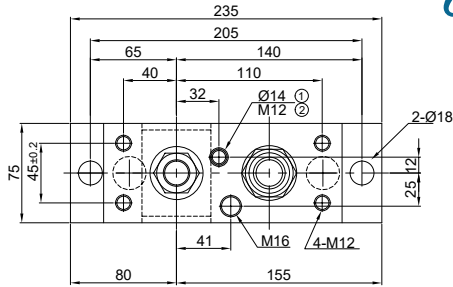
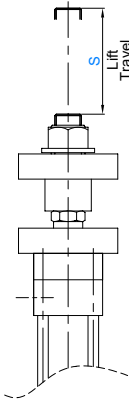
ระบบเคลื่อนย้ายแม่พิมพ์

Mini Lifter Unit - ลิฟเตอร์ยูนิต (Mini-Type)

FOIL FREE™



Model: 25MLGT



ORDER	Model	D	S
EXAMPLE	25MLGT40-50		

Model	Cylinder Inner D	Stroke S	H	Cylinder Travel
25MLGT	40	10	40	50
		20	30	
		30	20	
		40	10	
		50	0	
		60	40	100
		70	30	
		80	20	
		90	10	
		100	0	
		110	40	150
		120	30	
		130	20	
		140	10	
		150	0	
		160	40	200
		170	30	
		180	20	
		190	10	
		200	0	
		210	40	250
		220	30	
		230	20	
		240	10	
		250	0	

No.	Description	Qty	Material and Remark
1	Lifter Plate	1	SS400
2	Cylinder Holder Plate	1	SS400
3	Guide Holder	1	FC250 with Graphite
4	Guide Pin	1	S45C (HRC55 - 60)
5	Joint	1	SS400
6	Block	1	SS400
7	Stopper	2	Urethane
8	Air Cylinder	1	MB40 (for S) by SMC
9	U Nut	1	M20
10	U Nut	1	M24
11	Hexagon Socket Head Bolt	4	M6
12	Hexagon Socket Head Bolt	2	M12x35
13	Flat Washer	1	for M20
14	Spring Washer	1	for M24
15	Shoulder Bolt	2	SCM435 M8x20

ชิ้นส่วนประกอบ
Accessory Parts

⑥ Block

ORDER	Model	D	S
EXAMPLE	25HLSPC40-20		

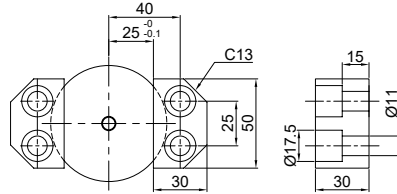
Model	D	H
25HLSPC	40	10
		20
		30
		40

ระบบเคลื่อนย้ายแม่พิมพ์

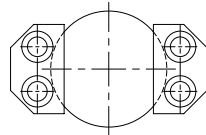
Embed Lifter Unit - ลิฟเตอร์ยูนิตแบบฝัง



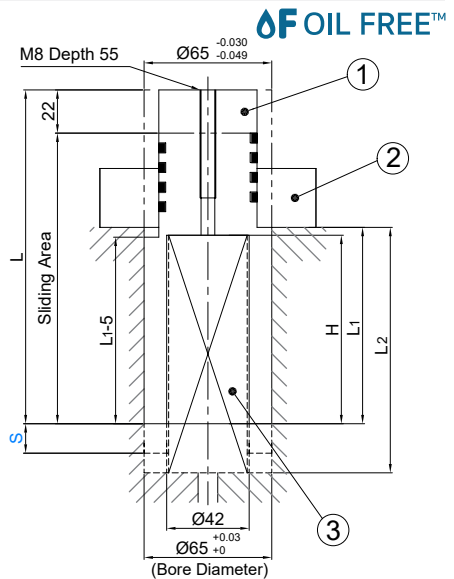
Model: 25SFLK



Model: 25SFLKN



Spring SF40 | SL40



No.	Description	Qty	Material and Remark
①	Silde Pin	1	FCD450 with Graphite
②	Stopper	2	SKS3 (HRC58-)
③	Coil Spring	1	SF40 or SL40 spring

ORDER EXAMPLE	Model	S - Spring
	25SFLK40-SF	

Model	Stroke S	Spring	H	L	L1	SF Type						
						L2	L3	Spring	Initial		Final	
								Free Length	Length	Load (N)	Length	Load (N)
25SFLK 25SFLKN	15	SF	96	170	100	125	10	150	121	485	106	735
	40				175			146	415	988		
	60				200			166	428	1178		
	80		120	200	65	155	10	250	210	401	130	1204
	90				55				220	301		
	100				45				230	201		

Model	Stroke S	Spring	H	L	L1	SL Type						
						L2	L3	Spring	Initial		Final	
								Free Length	Length	Load (N)	Length	Load (N)
25SFLK 25SFLKN	15	SL	96	170	100	125	10	150	121	1022	106	1551
	40				75	125	10	175	146	876	106	2084
	60				55	140	25	200	181	502	121	2088
	80		120	200	65			260	705	180	2114	
	90				55	205	60	300	270			529
	100				45			280	352			

ชิ้นส่วนประกอบ

Accessory Parts

① Silde Pin

① Silde Pin			Model	Stroke S
ORDER EXAMPLE	Model	S		15
	25SFLK-P40			40
			25SFLK-P (for 25SFLK)	60
			25SFLKN-P (for 25SFLKN)	80
				90
				100

② Stopper

Order Code

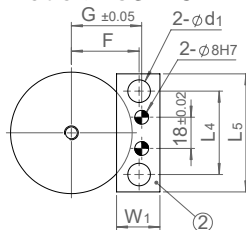
25SFL-S



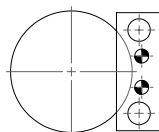
Spring SF | SL

ORDER EXAMPLE	Model	D	-	S	-	Spring
	25SFLG65-15-SF					

Model: 25SFLG

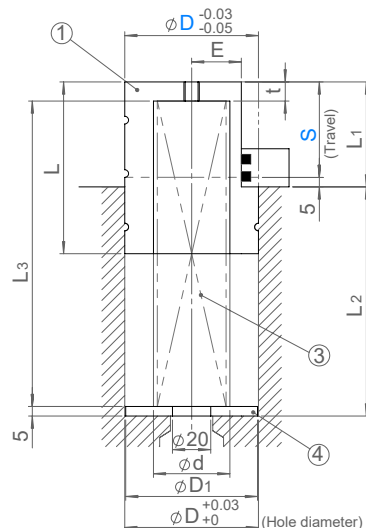
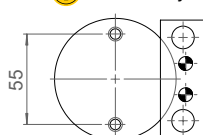


Model: 25SFLGN



Model: 25SFLGT

⚠ D = 80 only



No.	Description	Qty	Material and Remark
①	Silde Pin	1	FC250
②	Stopper	1	S45C with Graphite
③	Coil Spring	1	SF or SL spring
④	Washer	1	S45C

Model	D	Stroke S	Spring	L	L1	t	d	E	F	G	Spring OD
25SFLG	65	15	SF SL	90	55	10	37	25	39	40	35
25SFLGN	80	40		140	85	15	53	32	49	49	50
25SFLGT		60		180	125	30					

D	Stroke S	SF Type							SL Type						
		L2	L3	Spring	Initial		Final		L2	L3	Spring	Initial		Final	
				Free Length	Length	Load (N)	Length	Load (N)			Free Length	Length	Load (N)	Length	Load (N)
65	15	115	155	175	155	219	105	767	115	155	175	155	464	105	1623
80	40	165	230	250	230	314	150	1569	165	230	250	230	662	150	3311
	60	195	285	300	285	196	165	1764	240	330	350	330	473	210	3311

ชิ้นส่วนประกอบ
Accessory Parts

① Silde Pin

ORDER EXAMPLE	Model	D - S
	25SFLG-P65-15	

Model	D	Stroke S
25SFLG-P (for 25SFLG)	65	15
25SFLGN-P (for 25SFLGN)	80	40
		60

② Stopper

ORDER EXAMPLE	Model	D
	25SFLG-S	

Model	D	W1	L5	h	L4	d1
25SFLG-S	65	25	68	20	48	13
	80	30	80	50	54	18

③ Washer

ORDER EXAMPLE	Model	D
	25SFLG-W65	

Model	D	D1
25SFLG-W	65	63
	80	78

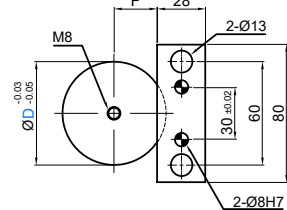
ระบบเคลื่อนย้ายแม่พิมพ์

Embed Lifter Unit - ลิฟเตอร์ยูนิตแบบฝัง

FOIL FREE™

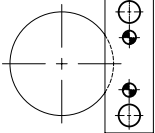


Model: 25SKIL

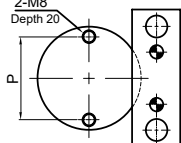


Model: 25SKILN

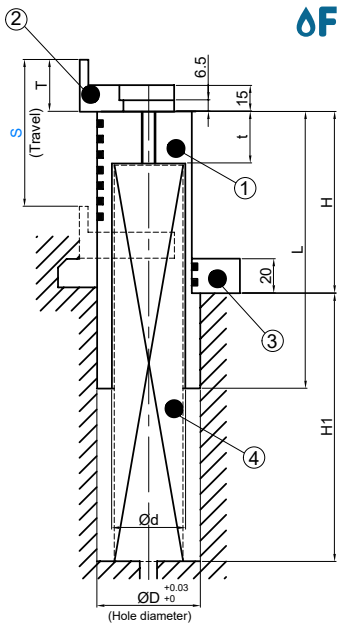
❗ ไม่ยึดกับลิฟท์บล็อก
Not attached to Liftblock



Model: 25SKILT



Spring SF | SL



No.	Description	Qty	Material and Remark
①	Silde Pin	1	S20C with Graphite
②	Stopper	1	SKS3
③	Coil Spring	1	SF or SL spring
④	Washer	1	S45C (HRC18 - 22)

ORDER EXAMPLE	Model	D - S - Spring
	25SKILT50-55-SF	

Model	D	Stroke S	Spring Type	L	d	F	t	H	H1	P	Spring OD
25SKIL	50	50	SF SL	110	33	19	25	75	105	39	30
25SKILN	60	80		160	43	25	30	105	155	48	40
25SKILT	75	100		200	53	30	40	125	195	55	50

D	Stroke S	SF Type					SL Type				
		Spring	Initial		Final		Spring	Initial		Final	
		Free Length	Length	Load (N)	Length	Load (N)	Free Length	Length	Load (N)	Length	Load (N)
50	50	175	155	162	105	566	175	155	339	105	1188
60	80	250	230	201	150	1003	250	230	423	150	2114
75	100	300	280	261	180	1568	300	280	552	180	3311

ชิ้นส่วนประกอบ

Accessory Parts

① Silde Pin

ORDER	Model	D - S
EXAMPLE	25SKIL-P50-50	

Model	D	Stroke S
25SKIL-P (for 25SKIL)	50	50
25SKILN-P (for 25SKILN)	60	80
25SKILT-P (for 25SKILT)	75	100

③ Stopper

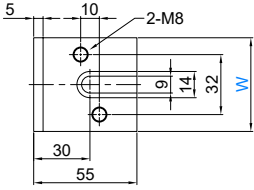
Order Code
25SKIL-S

② Lift Block

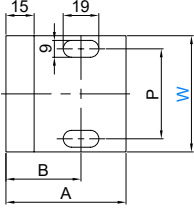
ORDER	Model	W
EXAMPLE	25SKIL-BA45	

Model	W	Slide Pin D	T	A	B	P
25SKIL-BA	45	50	30	-	-	-
	50	60				
	60	75				
25SKIL-BB	52	50	40	58	40	39
	62	60		64	40	48
	75	75		80	55	55

Model: 25SKIL-BA

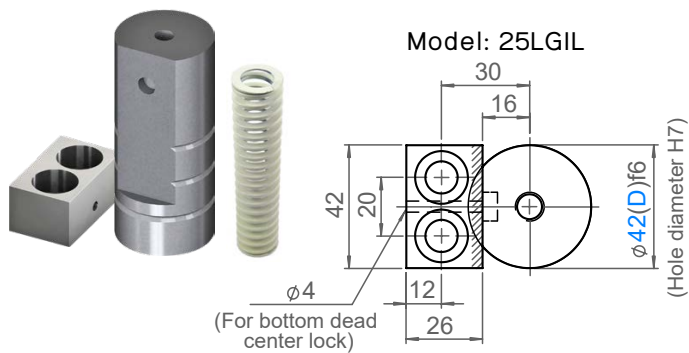


Model: 25SKIL-BB

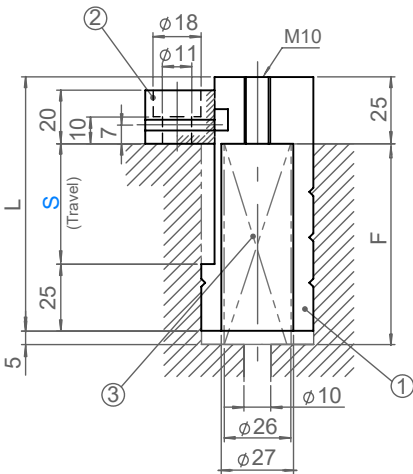


Embed Lifter Unit - ลิฟเตอร์ยูนิตแบบฝัง

Oil Free™



Model: 25LGILN



Die Transfers

ORDER	Model	D - S
EXAMPLE	25LGIL42-40	

No.	Description	Qty	Material and Remark
①	Silde Pin	1	S45C
②	Stopper	1	S45C (HRC50-)
③	Coil Spring	1	SSR26 spring

Model	D	Stroke S	F	L	Spring		
					OdxL	Initial Load (N)	Final Load (N)
25LGIL	42	40	70	90	26x125	97	355
25LGILN		60	90	110	26x175	115	392

ชิ้นส่วนประกอบ
Accessory Parts

① Silde Pin

ORDER	Model	D - S
EXAMPLE	25LGIL-P42-40	

Model	D	Stroke S
25LGIL-P (for 25LGIL)	42	40
25LGILN-P (for 25LGILN)		60

② Stopper

Order Code
25LGP-T

ระบบเคลื่อนย้ายแม่พิมพ์

Embed Lifter Unit for Progressive Die - ลิฟเตอร์ยูนิตแบบฝัง

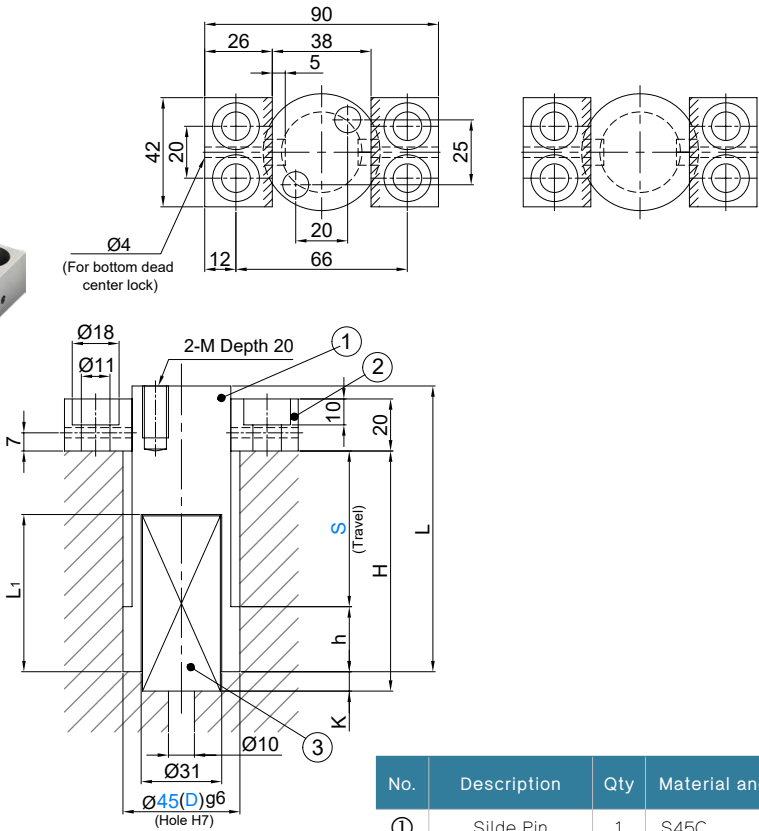
FOIL FREE™

Die Transfers



Model: 25PGLI

Model: 25PGLIN



No.	Description	Qty	Material and Remark
①	Silde Pin	1	S45C
②	Stopper	2	S45C HRC50-
③	Coil Spring	1	SF spring

ORDER	Model	D - S
EXAMPLE	25PGLI45-60	

Model	D	Stroke S	H	K	L	L1	h	Spring		
								OdxL	Initial Load (N)	Final Load (N)
25PGLI 25PGLIN	45	40	74	9	90	60	25	30x125	181	637
		60	92.5	7.5	110	75	25	30x150	71	
		80	120	5	140	105	35	30x200	71	

ชิ้นส่วนประกอบ
Accessory Parts

① Silde Pin

ORDER	Model	D - S
EXAMPLE	25PGL-P45-60	

Model	D	Stroke S
25PGLI-P (for 25PGLI) 25PGLIN-P (for 25PGLIN)	45	40
		60
		80

Lifter Guide Post Set - ชุดลิฟเตอร์ไกด์โพล

FOIL FREE™

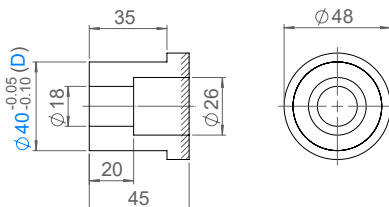


Model: 25LGPS

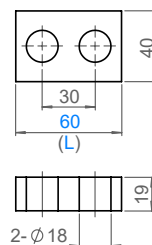
Whole Set

(Guide Post + Stopper Block + Stopper Plate)

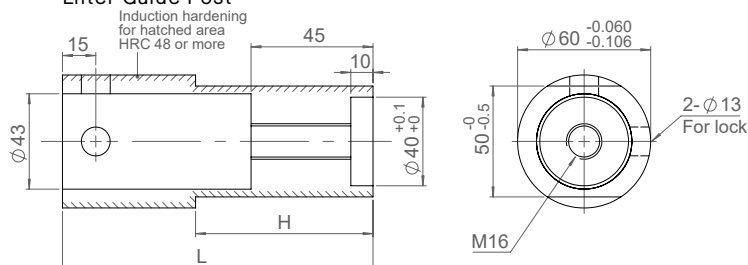
Model: 25LSB
Stopper Block



Model: 25LGPP-T
Stopper Plate



Model: 25LGP-T
Lifter Guide Post



ORDER EXAMPLE	Model	D	Model	D
	25LSB40		25LSB	40

ORDER EXAMPLE	Model	L	Model	L
	25LGPP-T60		25LGPP-T	60

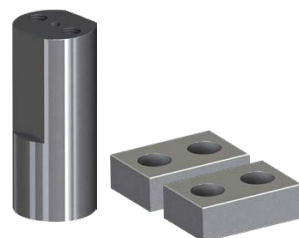
ORDER EXAMPLE	Model	S
	25LGPS60	

Model	Stroke S	L	H
25LGPS	40	120	80
25LGP-T	60	140	100
	80	160	120

Model	Qty	Material and Remark
25LGP-T	1	S45C (HRC48+)
25LSB	1	S45C with Bolts
25LGPP-T	2	S45C

Lifter Guide Post Set - ชุดลิฟเตอร์ไกด์โพล

FOIL FREE™

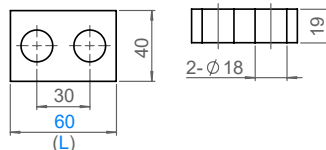


Model: 25LGPPS

Whole Set

(Guide Post + Stopper Plate)

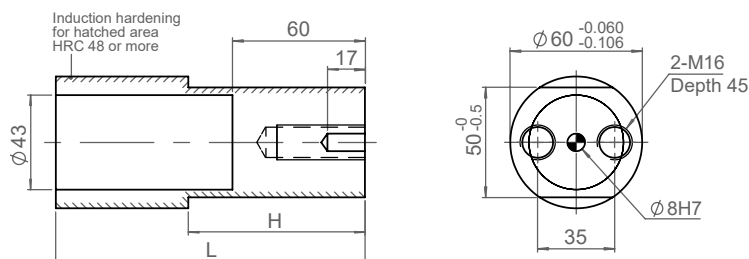
Model: 25LGPP-T
Stopper Plate



ORDER EXAMPLE	Model	L
	25LGPP-T60	

Model	L
25LGPP-T	60

Model: 25LGPP-P
Lifter Guide Post



ORDER EXAMPLE	Model	S
	25LGPPS60	

Model	Stroke S	L	H
25LGPPS	40	140	80
25LGPP-P	60	160	100

Model	Qty	Material and Remark
25LGPP-P	1	S45C (HRC48+)
25LGPP-T	2	S45C

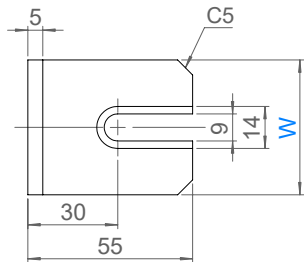
ระบบเคลื่อนย้ายแม่พิมพ์

Lifter Components - ชิ้นส่วนลิฟเตอร์

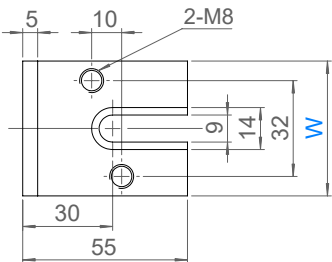
FOIL FREE™



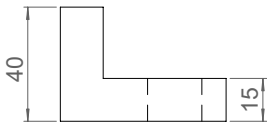
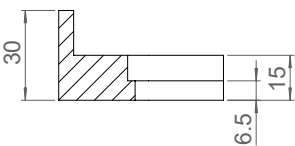
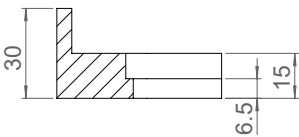
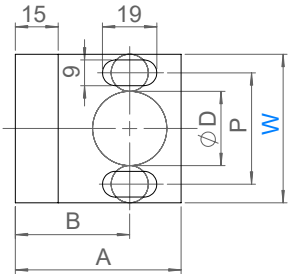
Model: 25SKIL-B
Lift Block



Model: 25SKIL-BA
Lift Block w/ hole (A)



Model: 25SKIL-BB
Lift Block w/ hole (B)

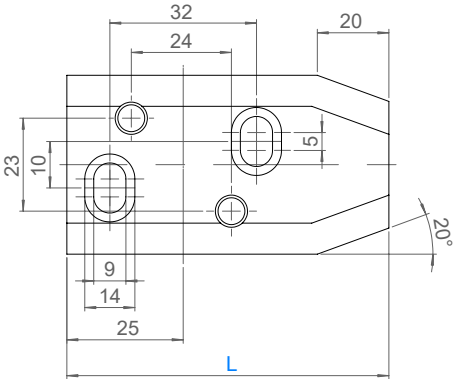
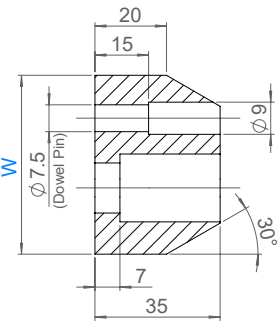


ORDER EXAMPLE Model W  SKS3
25SKIL-BB52

Model	W
25SKIL-B	45
25SKIL-BA	50
	60

Model	W	A	B	P	D
25SKIL-BB	52	58	40	39	26
	62	64	40	48	35
	75	80	55	55	42

Model: 25SFSG
Side Gauge



 S45C

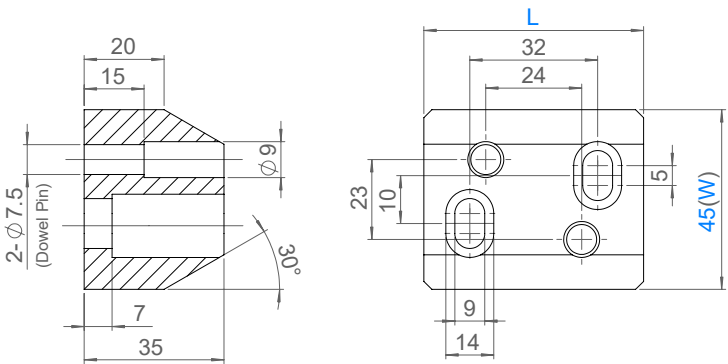
ORDER EXAMPLE Model W - L
25SFSG45-75

Model	W	L
25SFSG	45	75

Lifter Components - ชิ้นส่วนลิฟเตอร์



Model: 25SFRG
Rear Gauge

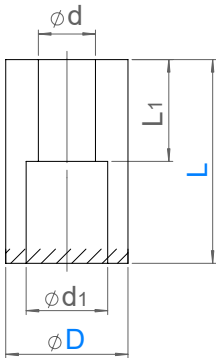


M S45C

ORDER Model W - L
EXAMPLE 25SFRG45-55

Model	W	L
25SFRG	45	50
		55

Model: 25SFLPA
Advance Pin



ORDER Model D - L
EXAMPLE 25SFLPA30-80

M S45C
Induction Harden

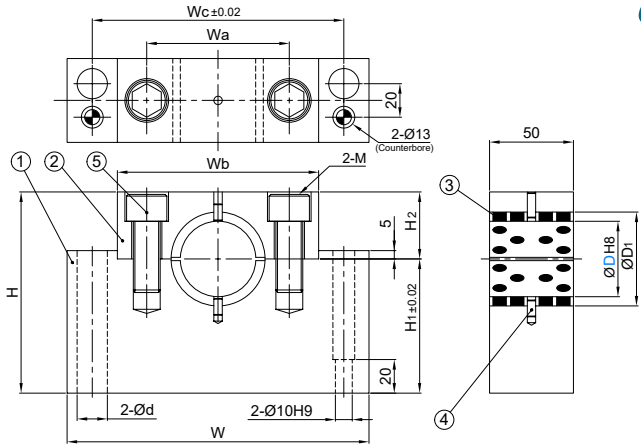
Model	D	L 10mm increment	d	d1	L1	Recommended Bolt	Lift Block	
							W	D
25SFLPA	25	40 - 60	9	14	20	M8x35	52	26
		70 - 100			40	M8x55		
	30	50 - 60	13	20	25	M12x50	62	35
		70 - 100			45	M12x70		
		70 - 100			65	M12x90		
	35	50 - 60	13	20	25	M12x50	75	42
		70 - 100			45	M12x70		
		70 - 100			65	M12x90		

ระบบเคลื่อนย้ายแม่พิมพ์

Bell Crank Lifter Parts (Bearing Set) - ชุดเบร้งสำหรับ Bell Crank



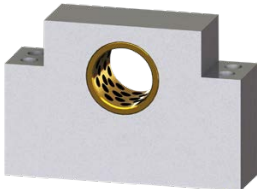
Model: 25SBCRA
Iron Bushing



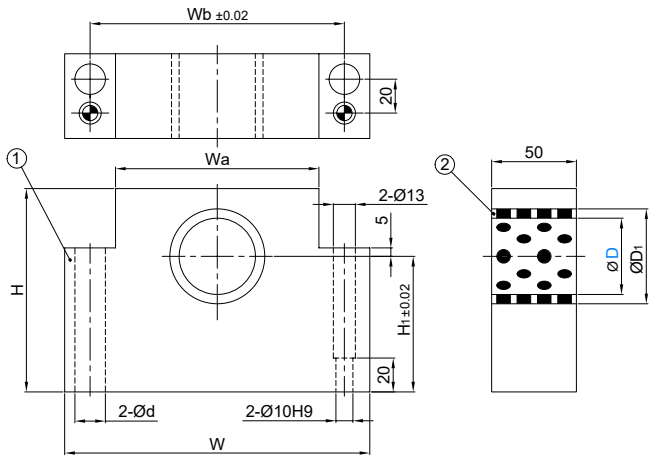
No.	Description	Qty	Material and Remark
①	Case Body	1	SS400
②	Cap	1	SS400
③	Bushing (half)	1	FC250 with Graphite
④	Dowel Pin	2	SUJ2 $\varnothing 5 \times 10$
⑤	Hexagon Socket Head Bolt	2	SCM435

ORDER EXAMPLE	Model	D
	25SBCRA35	

Model	D H8		W	Wa	Wb	Wc	H	H1	H2	D1	d	M
25SBCRA	25	$+0.033_0$	130	80	55	105	85	60	25	33	13	12
	35	$+0.039_0$	170	110	75	140	105	70	35	44	18	16
	45		180	120	85	150	120	80	40	56	18	16



Model: 25SBCRB
Copper Alloy Bushing



No.	Description	Qty	Material and Remark
①	Case Body	1	SS400
②	Bushing	1	Copper Alloy with Graphite

ORDER EXAMPLE	Model	D
	25SBCRB35	

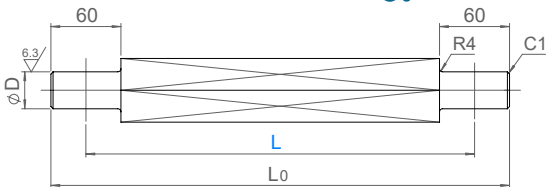
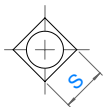
Model	D Tolerance		W	Wa	Wb	H	H1	D1	d
25SBCRB	25	$+0.025_0$	130	80	105	85	60	33	13
	35	$+0.030_0$	170	110	140	105	70	44	18
	45		180	120	150	120	80	56	18

Bell Crank Lifter Parts (Shaft) - ชาฟสำหรับ Bell Crank

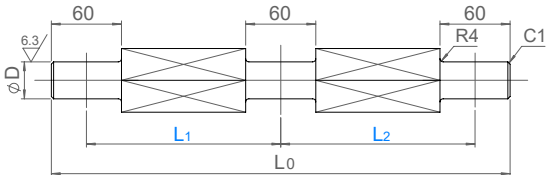
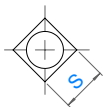
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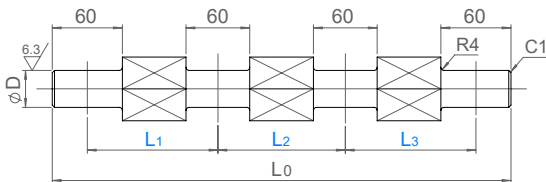
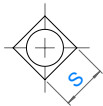
Model:
25SBCHA



Model:
25SBCHB



Model:
25SBCHC



ORDER
EXAMPLE

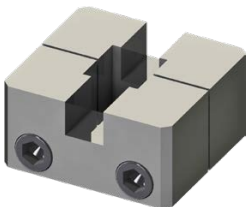
Model S - L - L1 - L2 - L3
25SBCHB28-500-600

SS400

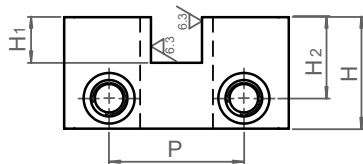
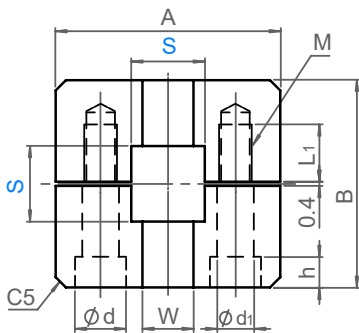
Model	S Tolerance		L, L1, L2, L3	D Tolerance		L0
25SBCHA 25SBCHB 25SBCHC	28	0 -0.2	1mm increment The sum must not exceed L0	25	-0.065 -0.117	25SBCHA L0 ≤ 1600
	38			35		25SBCHB & 25SBCHC L0 ≤ 2000
	50			45	-0.080 -0.142	

Bell Crank Lifter Parts (Arm Block) - ชิ้นส่วนสำหรับ Bell Crank

FOIL FREE™



Model: 25SBCBC



ORDER
EXAMPLE

Model D
25SBCBC38

SS400

Model	S		A	B	W		d	d1	h	M	L1	H	H1	H2	P
25SBCBC	28	+0.013 0	75	70	20	+0.052 0	20	13	13	12	25	50	20	35	50
	38	+0.016 0	90	80	30						30	55	25	40	65
	50		110	100	40	+0.062 0	26	18	18	16	35				80

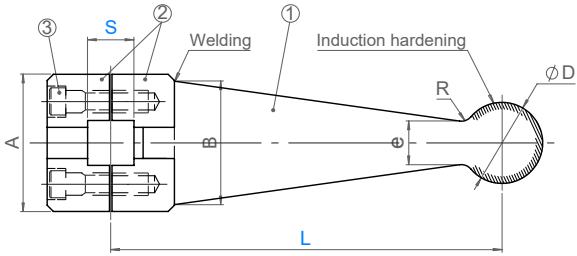
ระบบเคลื่อนย้ายแม่พิมพ์

Bell Crank Lifter Parts (Lifter Arm) - แขนยกสำหรับ Bell Crank

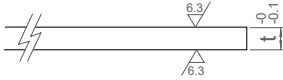
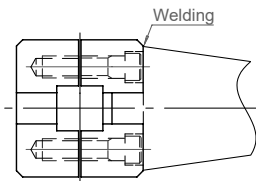
FOIL FREE™



Model:
25SBCLA



Model:
25SBCLB



No.	Description	Qty	Material and Remark
①	Lifter Arm	1	S45C
②	Arm Block	1	SS400
③	Hexagon Socket Head Bolt	2	SCM435

ORDER	Model	S - L
EXAMPLE	25SBCLA38-150	

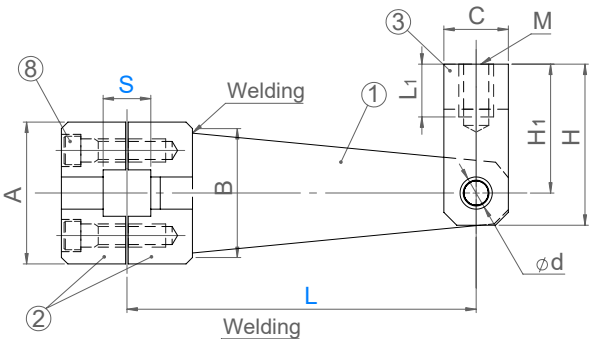
Model	S	L 10mm increment	A	B	D	e	R	t
25SBCLA	28	100 - 300	75	60	40	25	10	15
25SBCLB	38	100 - 400	90	80	50	30	20	20
	50	100 - 600	110	100	50	30	20	20

Bell Crank Lifter Parts (Shaft Arm) - ชุดแบริ่งสำหรับ Bell Crank

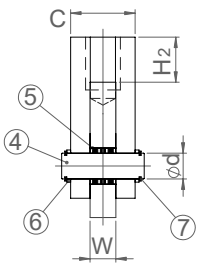
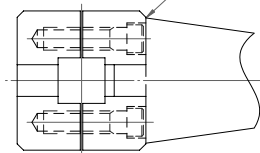
FOIL FREE™



Model:
25SBSCSA



Model:
25SBSCSB



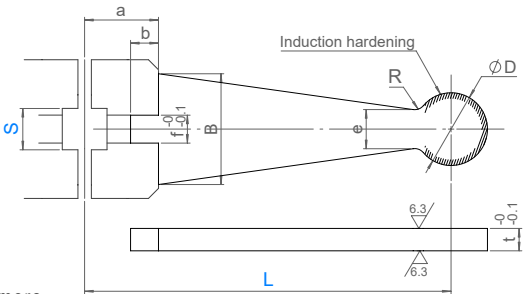
No.	Description	Qty	Material and Remark
①	Shaft Arm	1	SS400
②	Arm Block	1	SS400
③	Joint	1	S45C
④	Joint Pin	1	S45C

No.	Description	Qty	Material and Remark
⑤	Oilless Bushing	1	Copper Alloy with Graphite
⑥	Washer	2	
⑦	C type Retaining Ring	2	
⑧	Hexagon Socket Head Bolt	2	SCM435

ORDER	Model	S - L - Screw Thread
EXAMPLE	25SBSCSA38-110-R	

Model	S	L 10mm increment	Screw Thread (joint area)	A	B	C	H	H1	H2	L1	d	W	M	t
25SBSCSA	28	100 - 300	R (Right Hand)	75	60	40	95	75	25	30	16	16	M20x2.5	15
25SBSCSB	38	100 - 400	L (Left Hand)	90	80	50	110	85	35	40	20	20	M24x3.0	20
	50	100 - 600		110	100	50	110	85	35	40	20	20	M27x3.0	20

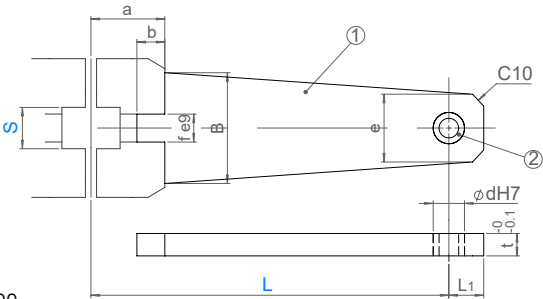
Bell Crank Lifter Parts (Arm & Joint) - แขนยกสำหรับ Bell Crank



Model: 25SBCL

ORDER Model S - L
EXAMPLE 25SBCL38-110 S45C
HRC55 or more

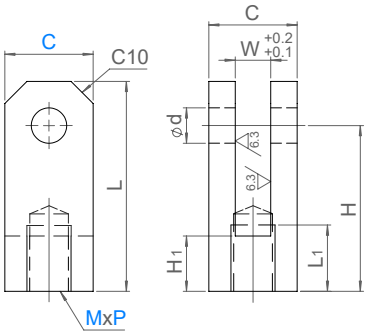
Model	S	L 10mm increment	a	b	B	e	f	D	R	t
25SBCL	28	100 - 300	35	15	60	25	20	40	10	15
	38	100 - 400	40	15	80	30	30	50	20	20
	50	100 - 600	50	20	100	30	40	50	20	20



Model: 25SBCS

ORDER Model S - L
EXAMPLE 25SBCS38-110 SS400
Copper Alloy with Graphite

Model	S	L 10mm increment	a	b	B	e	f e9	d H7	L1	t
25SBCS	28	100 - 300	35	15	60	40	20 -0.04 -0.092	22 -0.04 -0.092	20	16
	38	100 - 400	40	15	80	45	30 -0.04 -0.092	28 -0.04 -0.092	22.5	20
	50	100 - 600	50	20	100	50	40 -0.05 -0.112	28 -0.05 -0.112	25	20



Model: 25SBCJ SS400

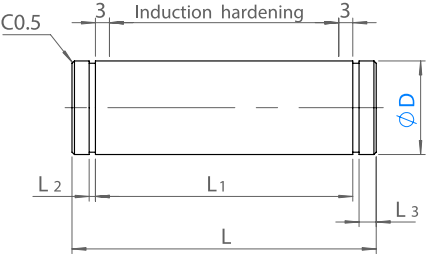
ORDER Model C - M - P - Screw Thread
EXAMPLE 25SBCJ40-18-1.5-R

Model	C	M	P	Screw Thread (joint area)	L1	L	H	H1	d	W	For Cylinder Diameter
25SBCJ	40	18	1.5	R (Right Hand) L (Left Hand)	30	95	75	25	16 +0.018 0	16	D63
		20	2.5								
	50	22	1.5		40	110	85	35	20 +0.021 0	20	D80 D100
		24	3.0								
		27	1.5								D125
			3.0								

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Bell Crank Lifter Parts (Joint Pin) - จ้อยพินสำหรับ Bell Crank

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Model: 25SBCJP

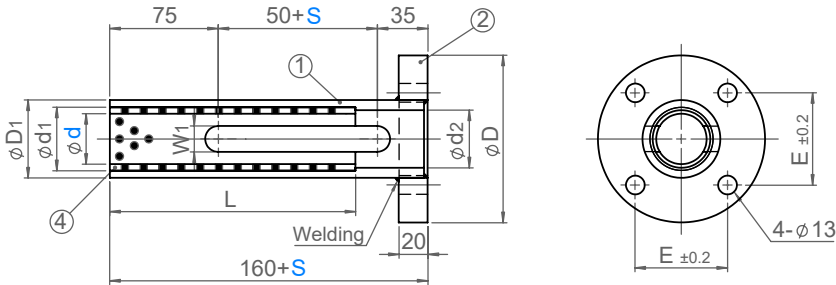
ORDER Model D S45C
EXAMPLE 25SBCJP20 HRC55 or more

Model	D		d		L	L1	L2		L3	For Cylinder Diameter
25SBCJP	16	$\begin{smallmatrix} 0 \\ -0.027 \end{smallmatrix}$	15.2	$\begin{smallmatrix} 0 \\ -0.11 \end{smallmatrix}$	53	46.5	1.15	$\begin{smallmatrix} +0.14 \\ 0 \end{smallmatrix}$	2.7	D63
	20	$\begin{smallmatrix} 0 \\ -0.033 \end{smallmatrix}$	19	$\begin{smallmatrix} 0 \\ -0.21 \end{smallmatrix}$	65	56.5	1.35	$\begin{smallmatrix} +0.14 \\ 0 \end{smallmatrix}$	2.9	D80, D100, D125

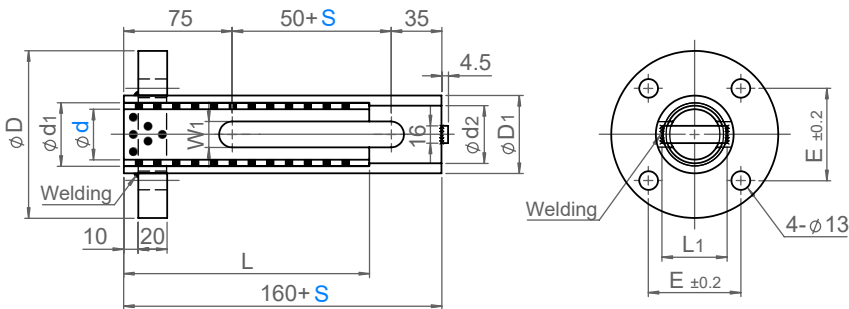
Bell Crank Lifter Parts (Bush Holder) - บุชโฮลเดอร์สำหรับ Bell Crank

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Model: 25SBCBHA



Model: 25SBCBHB



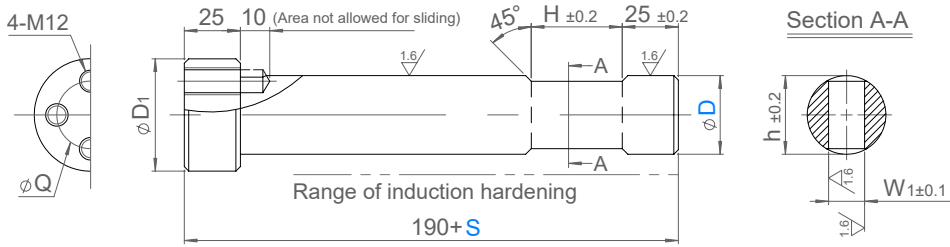
ORDER Model d - S STB33
EXAMPLE 25SBCBHA35-125 SS400
FC250 with Graphite

Model	d		Stroke S 1mm Increment	D	D1	d1	d2	L		W1	E	L1
								S ≤ 200	200 < S ≤ 350			
25SBCBHA	35	$\begin{smallmatrix} +0.10 \\ +0.05 \end{smallmatrix}$	S ≤ 350	116	54	44	40	150	200	18	64	45
25SBCBHB	50			135	76.2	62	60.2			23	78	70

Bell Crank Lifter Parts (Guide Post) - ไกด์โพสสำหรับ Bell Crank



Model: 25SBCP



ORDER
EXAMPLE

Model D - S
25SBCP35-200



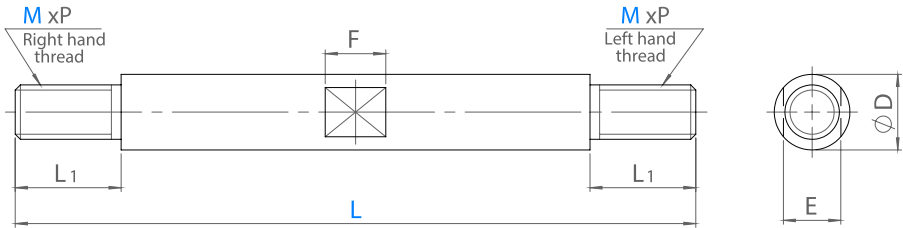
S45C
HRC55 or more

Model	D		Stroke S 1mm increment	D1	Q	H	W1	h
25SBCP	35	-0.050 -0.112	S ≤ 400	50	30	40.5	16	30
	50			65	45	50.5	21	42

Bell Crank Lifter Parts (Connecting Rod) - คอนเนคเตอร์สำหรับ Bell Crank



Model: 25SBCCR



ORDER
EXAMPLE

Model D - S
25SBCCR24-300



SS400

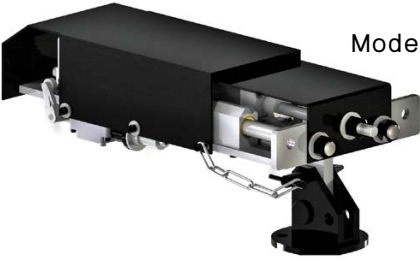
Model	M	L 1mm increment	D	P	L1	E	F
25SBCCR	20	L ≤ 350	25	2.5	30	19	20
	24		30	3	40	24	25
	27		35	3	40	30	30

ระบบเคลื่อนย้ายแม่พิมพ์

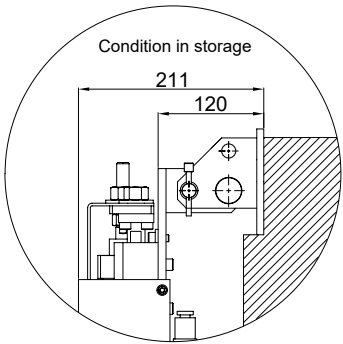
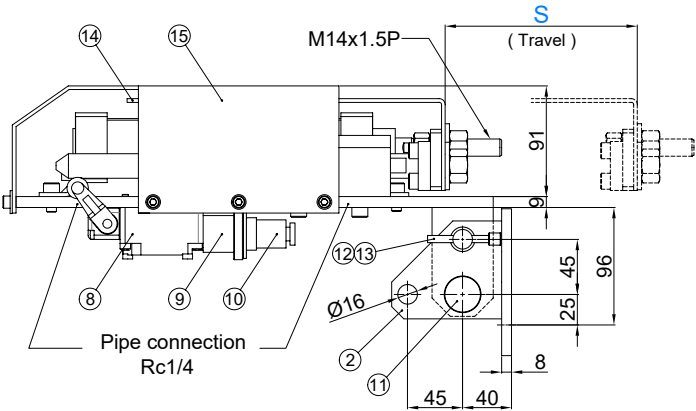
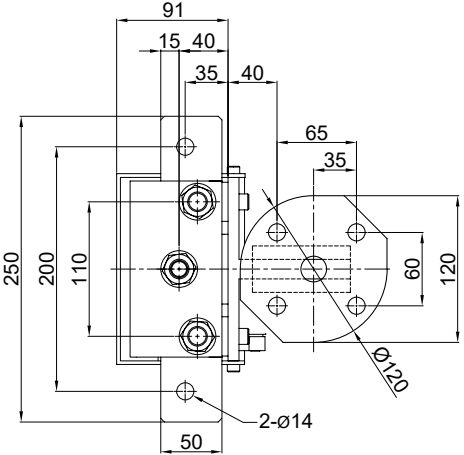
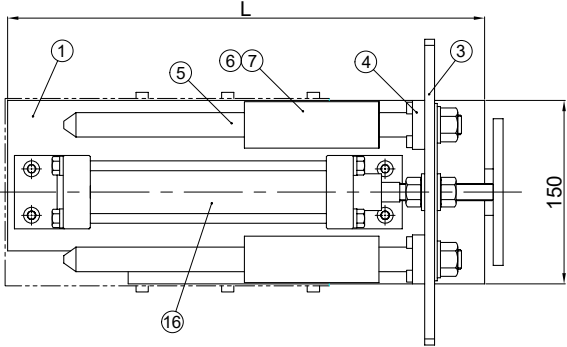
Pusher Unit - พูชเชอร์ยูนิต

FOIL FREE™

Model: 25SODP



Die Transfers



No.	Description	Qty	Material and Remark
1	Base Plate	1	SS400
2	Bracket	1	SS400
3	Connector Plate	1	SS400
4	Set Plate	2	SS400
5	Guide Pin	2	S45C
6	Bushing Holder	2	SS400
7	Guide Bushing	4	FC250 with Graphite
8	Limit Switch	1	WLCA2 Omron

No.	Description	Qty	Material and Remark
9	Connector Holder	1	SS400
10	Connector	1	NCS-252P/R Nanaboshi
11	Joint Pin	1	S45C
12	Stopper Pin	1	S45C
13	Chain	1	Height : 200 mm
14	Cover	1	SPC
15	Cover	1	SPC
16	Air Cylinder	1	SCA2-LB-40B CKD

ORDER
EXAMPLE

Model S - L
25SODP150-390

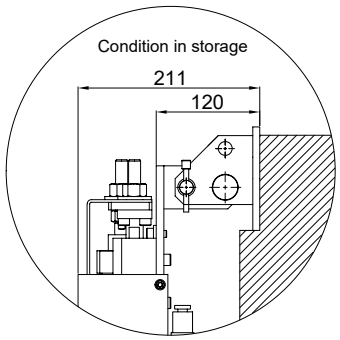
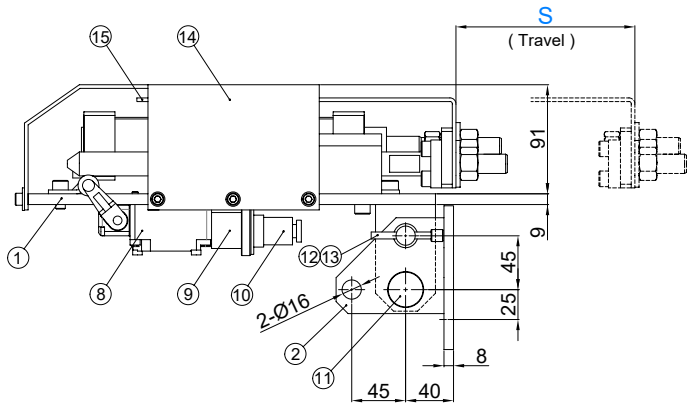
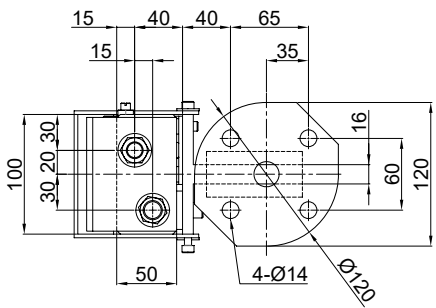
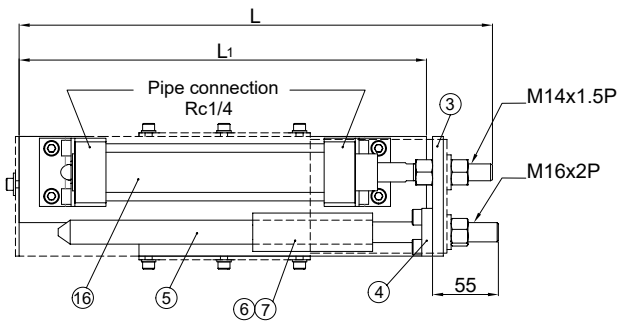
Model	Stroke S	L
25SODP	150	390
	250	490

Pusher Unit - พูชเชอร์ยูนิต

FOIL FREE™



Model: 25SOSP



No.	Description	Qty	Material and Remark
1	Base Plate	1	SS400
2	Bracket	1	SS400
3	Connector Plate	1	SS400
4	Set Plate	1	SS400
5	Guide Pin	1	S45C
6	Bushing Holder	1	SS400
7	Guide Bushing	2	FC250 with Graphite
8	Limit Switch	1	WLCA2 Omron

No.	Description	Qty	Material and Remark
9	Connector Holder	1	SS400
10	Connector	1	NCS-252P/R Nanaboshi
11	Joint Pin	1	S45C
12	Stopper Pin	1	S45C
13	Chain	1	Height : 200 mm
14	Cover	1	SPC
15	Cover	1	SPC
16	Air Cylinder	1	SCA2-LB-40B CKD

ORDER
EXAMPLE

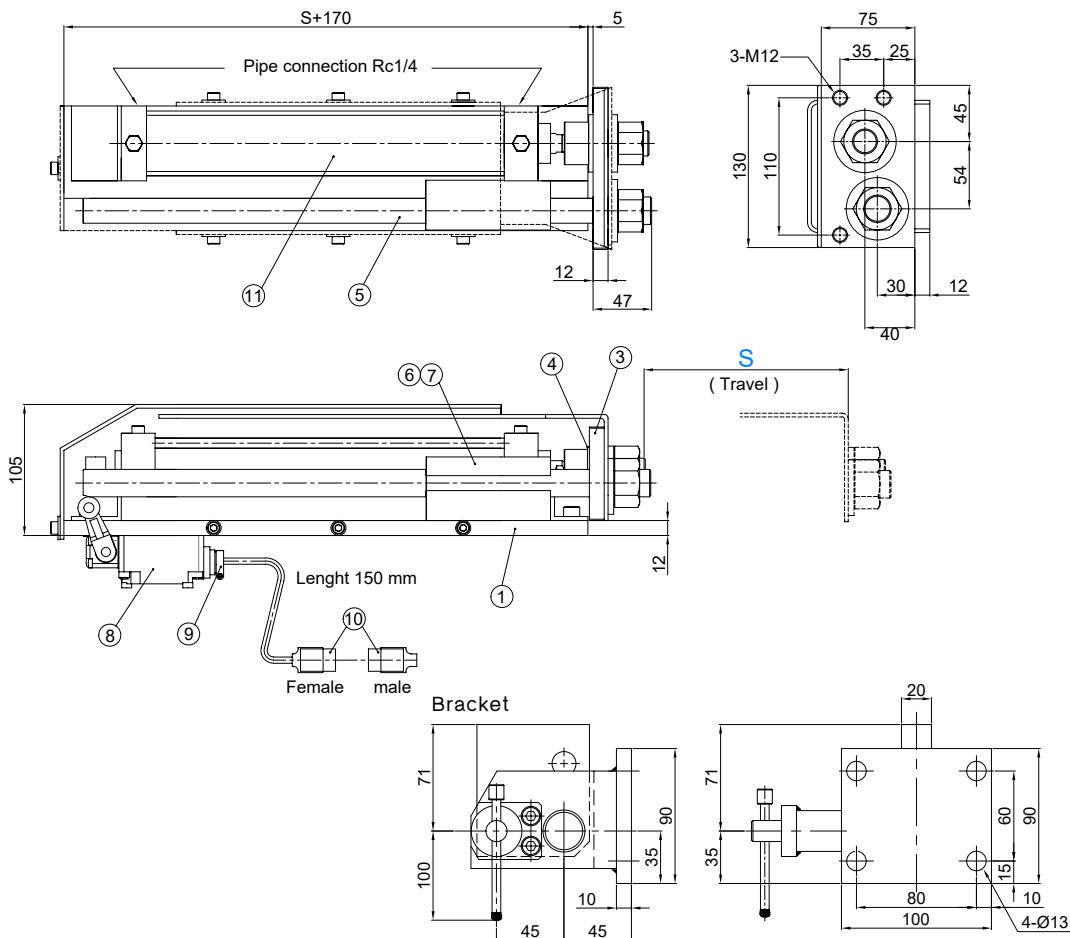
Model S
25SOSP150

Model	Stroke S	L	L1
25SOSP	150	395	340
	250	495	440

Pusher Unit - พูชเชอร์ยูนิต



Model	Type
25APSG-B	with bracket
25APSG	without bracket



No.	Description	Qty	Material and Remark	No.	Description	Qty	Material and Remark
1	Base Plate	1	SS400	7	Guide Holder (lower)	1	Copper Alloy with Graphite
2	Bracket	1	SS400	8	Limit Switch	1	WLCA2 Omron
3	Connector Plate Mounting	1	SS400	9	Cable Clamp	1	KB-01
4	Collar	1	SS400	10	Nylon Connector Set	1	
5	Guide Pin	1	S45C $\varnothing 22$	11	Air Cylinder	1	CA2L40
6	Guide Holder (upper)	1	Copper Alloy with Graphite				

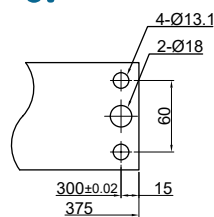
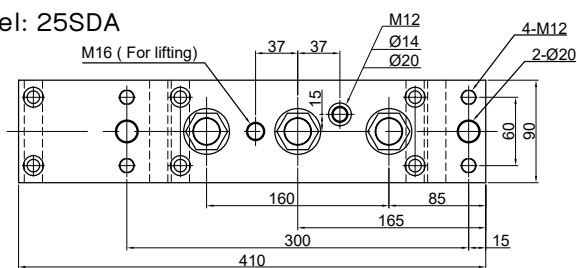
ORDER EXAMPLE	Model	S
	25APSG-B200	
	Model	Stroke S
	25APSG-B (with bracket) 25APSG (without bracket)	150 / 200 / 250 / 300 / 350 / 400 / 500

ระบบเคลื่อนย้ายแม่พิมพ์

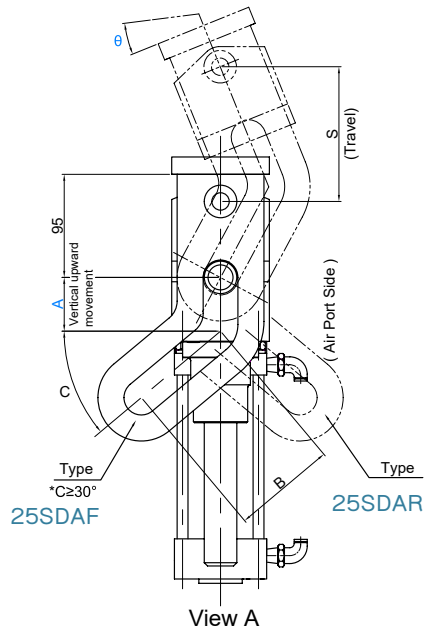
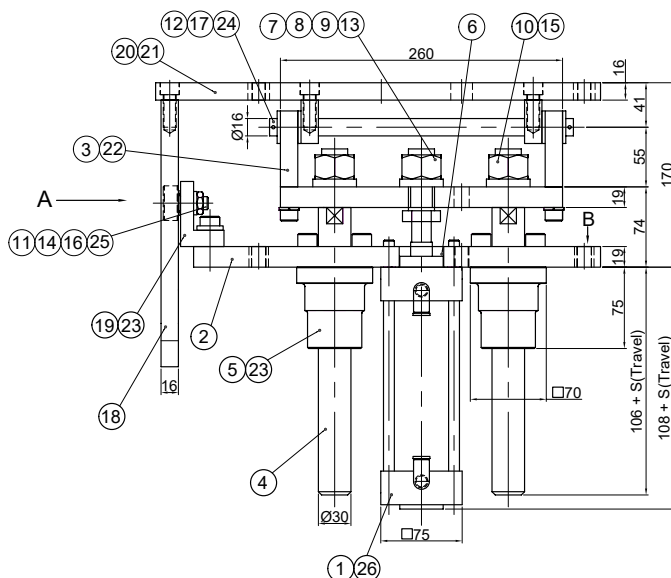
Shredder Unit - เซอร์ริเตอร์ยูนิต



Model: 25SDA



View B



No.	Description	Qty	Material and Remark
1	Air Cylinder	1	MB63 SMC
2	Cylinder Holder Plate	1	SS400
3	Lifter Plate	1	SS400
4	Guide Pin	2	S45C HRC55 to 60
5	Guide Holder	2	FC250 with Graphite
6	Collar	1	STKM
7	Spacer	1	SS400
8	Hexagon Nut	1	M20
9	Hexagon Nut (3 Types)	2	M20
10	Hexagon Nut	2	M24
11	Flat Washer	1	For M12
12	Flat Washer	4	For M16
13	Flat Washer	1	For M20

No.	Description	Qty	Material and Remark
14	Spring Washer	1	For M12
15	Spring Washer	2	For M24
16	Cam Follower	1	KR32LL By NTN
17	Straight Pin	1	S45C HRC55 to 60
18	Shedder	1	SS400
19	Bracket	1	SS400
20	Head Plate	1	SS400
21	Sun Rise TechBolt	6	M10X25
22	Sun Rise TechBolt	4	M10X40
23	Sun Rise TechBolt	6	M12X30
24	Cotter Pin	2	ø3X32
25	Hexagon Nut	1	M12X1.5 (3 Types)
26	Elbow	2	

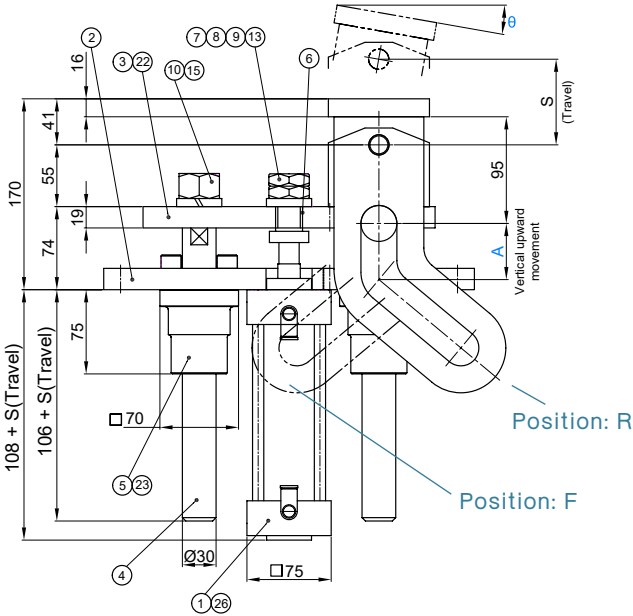
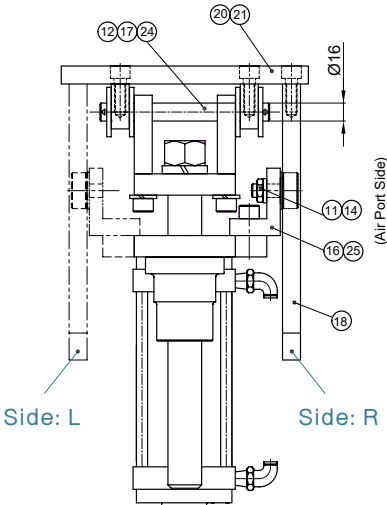
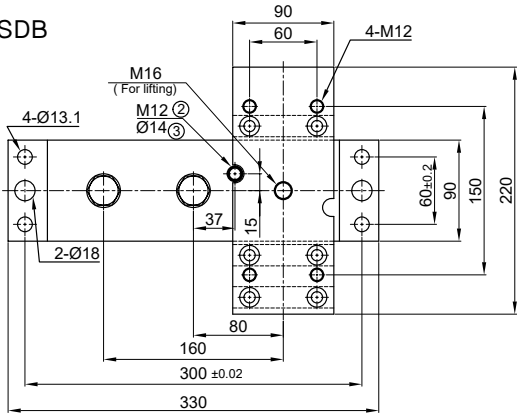
ORDER EXAMPLE	Model	ST-	A-	Angle
	25SDAF125-60-10			

Model	ST 25mm increments	A 10mm increment	Angle 1° increment
25SDAF 25SDAR	100 - 300	50 - 200	10° - 25°

Shredder Unit - เซอร์คเดอรัยูนิต

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Model: 25SDB



No.	Description	Qty	Material and Remark
1	Air Cylinder	1	MB63 SMC
2	Cylinder Holder Plate	1	SS400
3	Lifter Plate	1	SS400
4	Guide Pin	2	S45C HRC55 to 60
5	Guide Holder	2	FC250 with Graphite
6	Collar	1	STKM
7	Spacer	1	SS400
8	Hexagon Nut	1	M20
9	Hexagon Nut (3 Types)	2	M20
10	Hexagon Nut	2	M24
11	Flat Washer	1	For M12
12	Flat Washer	4	For M16
13	Flat Washer	1	For M20

No.	Description	Qty	Material and Remark
14	Spring Washer	1	For M12
15	Spring Washer	2	For M24
16	Cam Follower	1	KR32LL By NTN
17	Straight Pin	1	S45C HRC55 to 60
18	Shredder	1	SS400
19	Bracket	1	SS400
20	Head Plate	1	SS400
21	Sun Rise TechBolt	6	M10X25
22	Sun Rise TechBolt	4	M10X40
23	Sun Rise TechBolt	6	M12X30
24	Cotter Pin	2	Ø3X32
25	Hexagon Nut	1	M12X1.5 (3 Types)
26	Elbow	2	

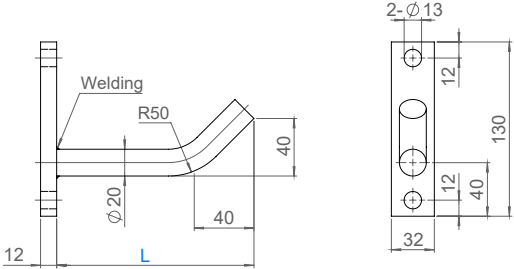
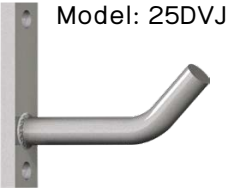
ORDER Model ST - A - Angle
EXAMPLE 25SDBRF125-60-10

Model	Side	Position	ST 25mm increment	A 10mm increment	Angle 1° increment
25SDB	L R	F R	100 - 300	50 - 200	10° - 25°

ระบบเคลื่อนย้ายแม่พิมพ์

Hook for Transport - หูหัวขนส่ง

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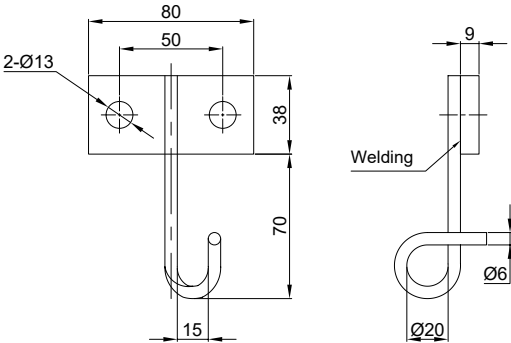


SS400

ORDER Model L
EXAMPLE 25DVJ100

Model	L
25DVJ	100
	150

Model: 25DKLH



SS400

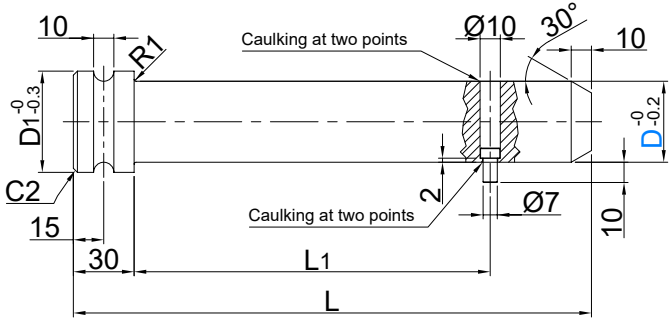
ORDER Model No.
EXAMPLE 25DKLH80

Model	No.
25DKLH	80

Lifting Bars - ลิฟต์บาร์

FOIL FREE™

Model: 25HLFB



ORDER Model D
EXAMPLE 25HLFB35

SS400
Come with Stopper

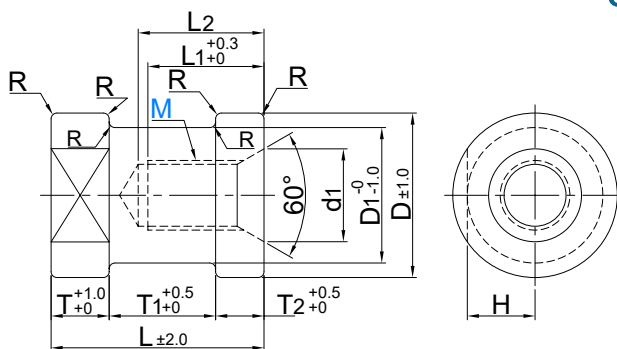
⚠ ให้สตอปเปอร์หันลงเสมอ และอย่าให้บาร์ยื่นออกมาเกินตัวตาย
Stopper must face downward and the bar must not protrude out.

Model	D	D1	L	L1	Max Allowable Load (4 bars are used)	
					N	kgf
25HLFB	25	34	185	135	29420	3000
	35	44	240	190	49033	5000
	40	50	260	210	88260	9000
	50	60	290	240	137293	14000
	65	75	335	285	166712	17000

Cast-In Lifting Bolts - ลิฟติงโบลท์ แบบล๊อคเข้ากับแม่พิมพ์

FOIL FREE™

Model: 25CSN



ORDER EXAMPLE Model D M S35C 25CSN20

Model	M	Thread MxP	D	D1	d1	L1	L2	L	T	T1	T2	H	R	Max Allowable Load (2 Lifting Bolts)	
														N	kgf
25CSN	12	M12x1.75	38	28	18	30	40	55	10	30	15	14	2	3730	380
	16	M16x2.0	46	36	22	35	45	55	10	30	15	18	2	6620	675
	20	M20x2.5	48	38	28	45	55	70	15	35	20	19	2	8830	900
	24	M24x3.0	55	45	36	55	65	85	20	45	20	22.5	2	13340	1360
	30	M30x3.5	65	52	42	65	75	95	25	50	20	26	3	19810	2020
	36	M36x4.0	85	70	48	75	90	110	30	55	25	35	3	58450	5960

Bolt Die Hooks - หูหัวแม่พิมพ์ แบบโบลท์

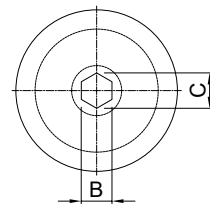
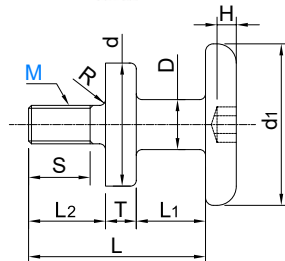
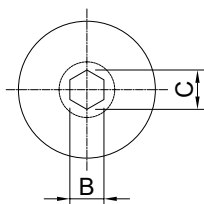
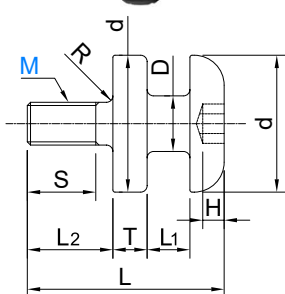
FOIL FREE™



Model: 25HBT



Model: 25HBTL



ORDER EXAMPLE Model D M S45C Blackening 25HBT20

คำเตือนสำหรับเหล็กเหนียว ค่า Safety Factor 10 The Max Allowable Load is for Steel, Safety Factor 10

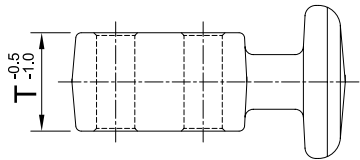
Model	M	Thread MxP	D	d	d1	L1		L2	S	T	L		R	H	B	C	Max Allowable Load	
						25HBT	25HBTL				25HBT	25HBTL					N	kgf
25HBT 25HBTL	10	M10x1.5	13	32	42	10	18	20	16	8	46	54	1.5	5	8	9.2	2452	250
	12	M12x1.75	16	36	48	13	20	24	20	10	57	64	1.5	6	10	11.7	3530	360
	16	M16x2.0	20	40	52	18	25	30	25	13	75	82	2	9	14	16.3	6669	680
	20	M20x2.5	25	48	62	20	28	37	32	16	90	98	2	12	17	19.8	10395	1060
	24	M24x3.0	32	58	6	25	33	47	40	20	111	119	2.5	13	19	22.1	15004	1530
	30	M30x3.5	36	68	88	30	40	56	48	22	131	141	3	16	22	25.6	23830	2430
	36	M36x4.0	40	78	100	30	40	68	58	25	148	158	3	18	27	31	34814	3550

ระบบเคลื่อนย้ายแม่พิมพ์

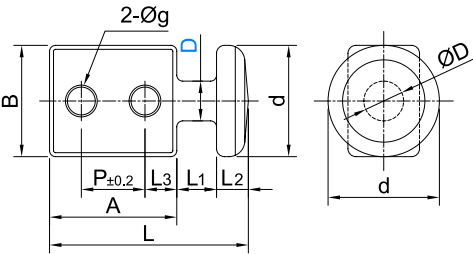
Plate Type Die Hooks - หัวแม่พิมพ์ แบบเพลท



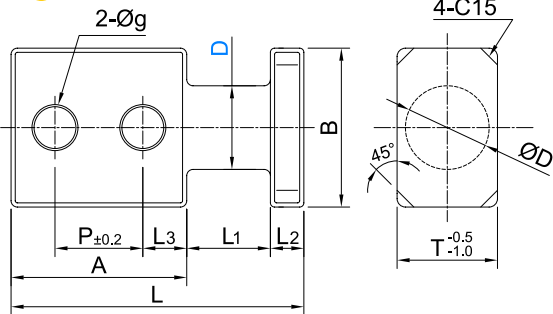
Model: 25HPT



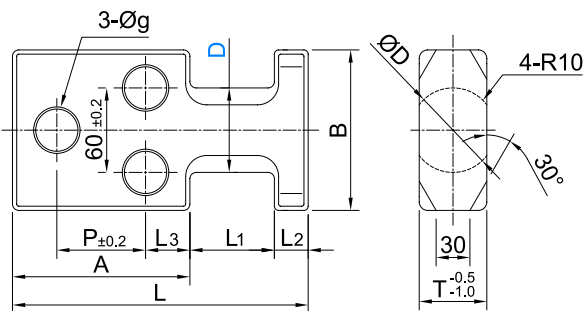
! D = 10 - 40



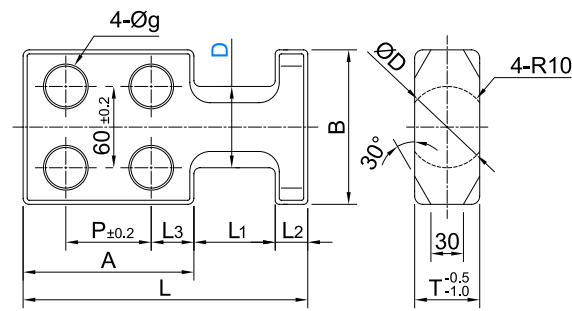
! D = 50



! D = 63



! D = 80



ORDER
EXAMPLE Model D
25HPT25

SS400

! ค่าโหลดสำหรับเหล็กเหนียว ค่า Safety Factor 10
The Max Allowable Load is for Steel, Safety Factor 10

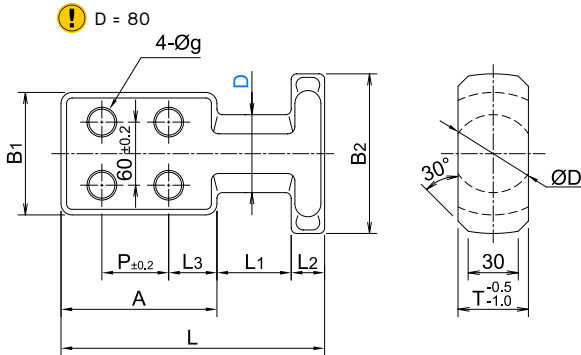
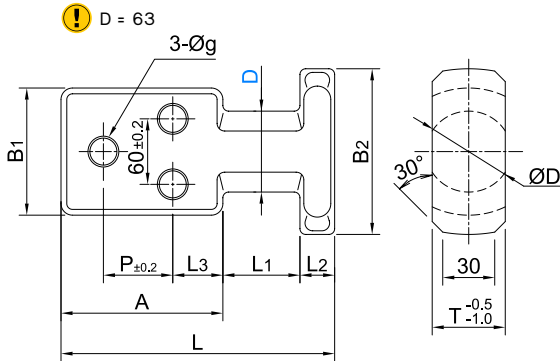
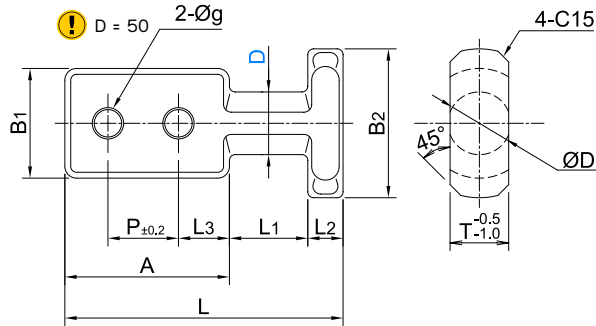
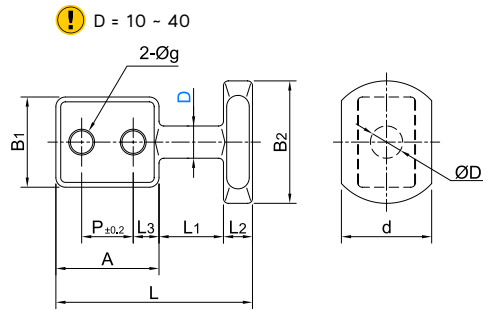
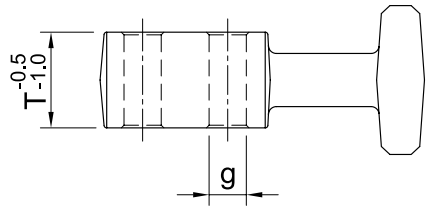
! ใช้โบลท์รุ่น 24CB
Use with bolt 24CB

Model	D	d	B	T	L	A	L1	L2	L3	P	g	Max Allowable Load	
												N	kgf
25HPT	10	28	28	18	50	32	10	8	8	16	7	1569	160
	12	32	32	20	56	38	10	8	10	18	9	3530	360
	16	36	36	24	67	46	13	8	12	22	11	4511	460
	20	40	40	26	88	60	18	10	15	30	14	5492	560
	25	48	48	35	92	60	20	12	15	30	14	6570	670
	32	55	55	40	118	80	25	13	20	40	18	12160	1240
	40	70	70	50	138	93	30	15	24	45	22	19123	1950
	50	-	90	50	170	115	35	20	30	55	26	27459	2800
	63	-	115	50	175	115	40	20	30	55	26	39227	4000
	80	-	140	50	185	120	40	25	30	60	26	50995	5200

Large Head Plate Type Die Hooks - หูหัวแม่พิมพ์ แบบเพลท หัวใหญ่

FOIL FREE™

Model: 25HPTL



ORDER
EXAMPLE

Model D
25HPTL25

SS400

! คำโหลดสำหรับเหล็กเหนียว ค่า Safety Factor 10
The Max Allowable Load is for Steel, Safety Factor 10

! ใช้โบลตรุ่น 24CB
Use with bolt 24CB

Model	D	d	B1	B2	T	L	A	L1	L2	L3	P	g	Max Allowable Load	
													N	kgf
25HPTL	10	28	28	38	18	61	32	20	9	8	16	7	1569	160
	12	32	32	44	20	67	38	20	9	10	18	9	3530	360
	16	36	36	50	24	78	46	20	12	12	22	11	4511	460
	20	40	40	56	26	97	60	25	12	15	30	14	5492	560
	25	48	48	68	35	98	60	25	13	15	30	14	6570	670
	32	55	55	77	40	125	80	30	15	20	40	18	12160	1240
	40	70	70	100	50	143	93	35	15	24	45	22	19123	1950
	50	-	90	120	50	170	115	35	20	30	55	26	27459	2800
	63	-	115	155	50	175	115	40	20	30	55	26	39227	4000
	80	-	140	180	50	185	120	40	25	30	60	26	50995	5200

ระบบเคลื่อนย้ายแม่พิมพ์

Roller Carriers - รางโรลเลอร์

FOIL FREE™

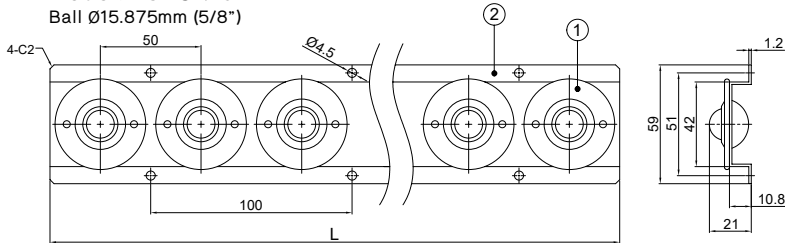


ORDER
EXAMPLE

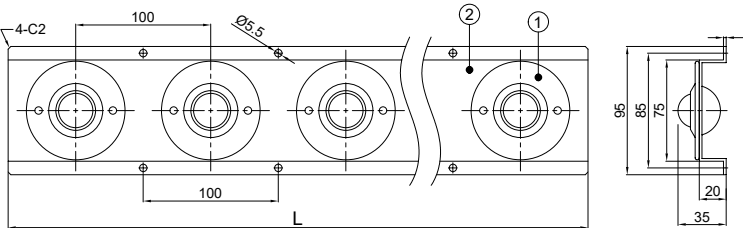
Model - A
25BCR16-10

- ① Ball Roller Unit
② M SPC

Model: 25BCR16
Ball Ø15.875mm (5/8")



Model: 25BCR25
Ball Ø25.4mm (1")



Model	A No. Rollers	L
25BCR16	4	200
	6	300
	8	400
	10	500
	12	600
	14	700
	16	800
	18	900
	20	1000
	22	1100
	24	1200

Model	A No. Rollers	L
25BCR25	6	600
	8	800
	10	1000
	12	1200
	14	1400
	16	1600
	18	1800

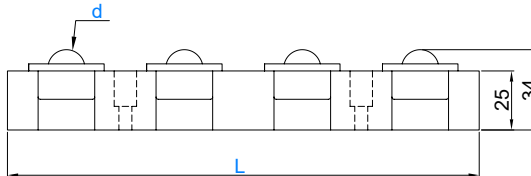
ชิ้นส่วนทดแทน
Replacement Parts



Order Code	Ball d	
25SSBRS16	15.875mm	5/8"
25SSBRS25	25.4mm	1"

Roller Carriers (Fit Type) - รางโรลเลอร์แบบฝัง

Model:
25BCRP16



FOIL FREE™

ชิ้นส่วนทดแทน
Replacement Parts



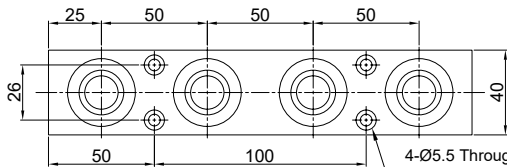
Order Code
25SSBRP16

ORDER
EXAMPLE

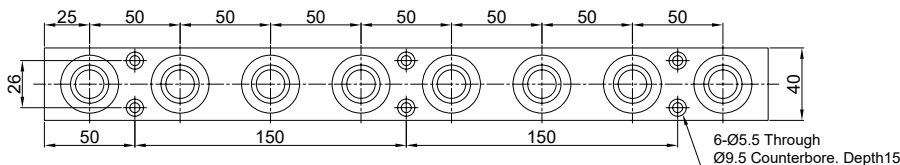
Model d - L
25BCRP16-400

- M Aluminum
Ball Bearing

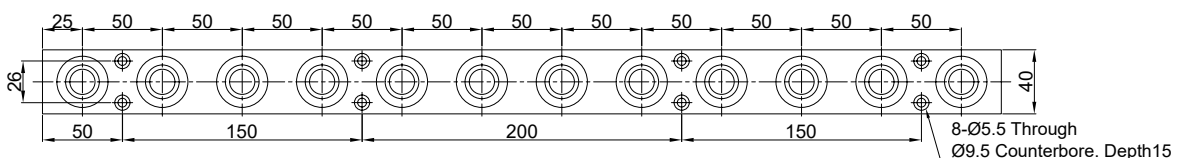
Model	d	L	Ball No.
25BCRP	16	200	4
		400	8
		600	12



4-Ø5.5 Through
Ø9.5 Counterbore. Depth15



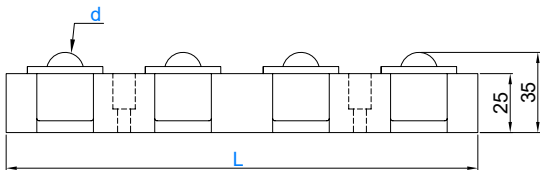
6-Ø5.5 Through
Ø9.5 Counterbore. Depth15



8-Ø5.5 Through
Ø9.5 Counterbore. Depth15

Roller Carriers (Fit Type) - รวบรวมล้อแบบฝัง

Model:
25BCRP22



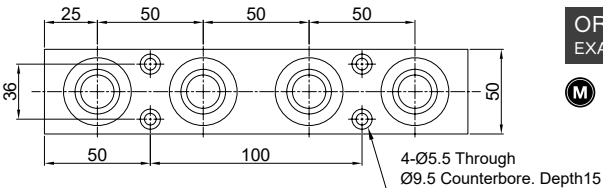
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ชิ้นส่วนทดแทน
Replacement Parts



Order Code

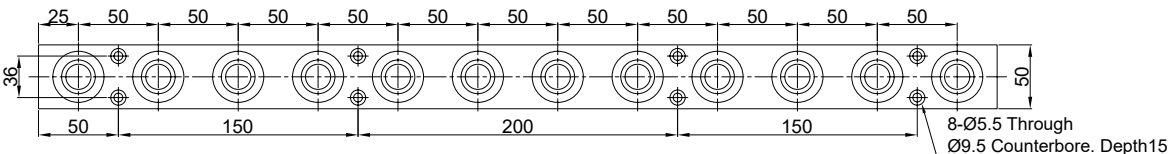
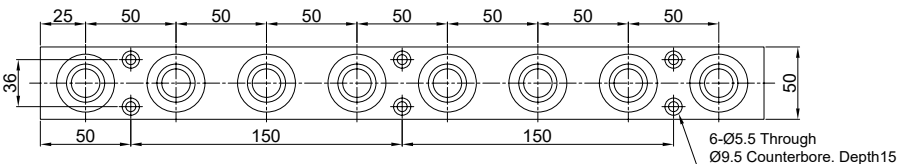
25SSBRP22



ORDER
EXAMPLE Model d - L
25BCRP22-400

Aluminum
Ball Bearing

Model	d	L	Ball No.
25BCRP	22	200	4
		400	8
		600	12



Ball Roller Carriers - รวบรวมล้อโรลเลอร์

FOIL FREE™

Model: 25CHI

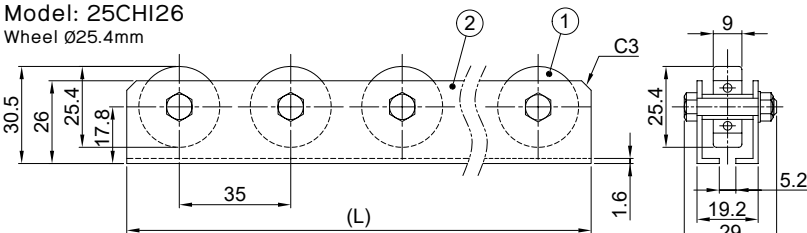


ORDER
EXAMPLE Model - A
25CHI26-10

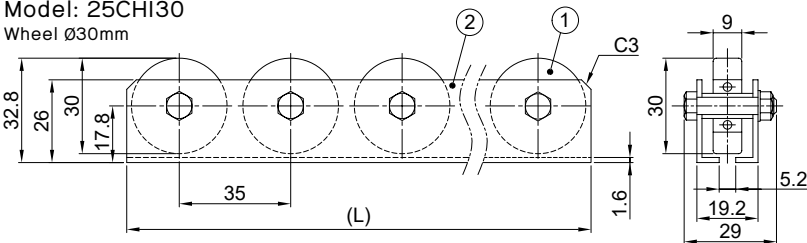
- ① SPC
② Ball Bearing

Model	A No. Wheels	L
25CHI26 25CHI30	3	105
	4	140
	5	175
	6	210
	7	245
	8	280
	9	315
	10	350
	11	385
	12	420
	13	455
	14	490
	15	525
	16	560
	17	595
	18	630
	19	665
	20	700
	21	735
	22	770
	23	805
	24	840
	25	875
	26	910
	27	945
	28	980

Model: 25CHI26
Wheel Ø25.4mm



Model: 25CHI30
Wheel Ø30mm



ชิ้นส่วนทดแทน
Replacement Parts



Order Code	Wheel Size
25B6000ZZ	25.4mm
25B6200ZZ	30mm