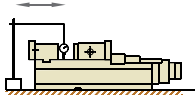
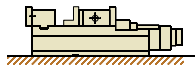
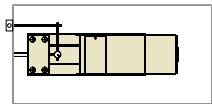
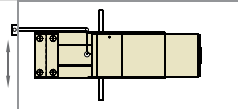
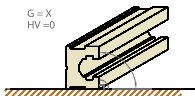
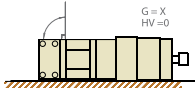
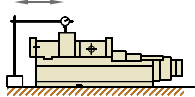
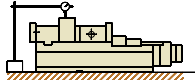


อุปกรณ์จับยึดชิ้นงาน

MC Mechanical Power Vise		Inspection (per 100mm)	Allowance (mm)	
			AUTOWELL	JIS
1		Parallelism running face to bottom of bed	0.01	0.015
2		Squareness between running face and jaw plate	0.01	0.03
3		Squareness keyways on bottom of bed to jaw plate	0.015	0.015
4		Parallelism	0.01	0.015
5		Squareness both sides to running face	0.02	0.02
6		Squareness both sides to fixed jaw plate	0.02	0.02
7		Parallelism running face of the test block to bottom of bed	0.015	0.02
8		Parallelism Parallelism Lift can be controlled when clamping test	0.015	0.03

Vise System

MC Power High-Clamp ระบบ Mechanical Power มีแรงจับสูง
High clamping force vise

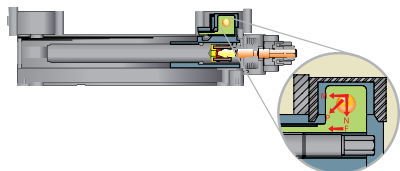
Adjustable Clamp Force ปรับแรงจับยึดได้
Allow adjusting clamping force

Lockwell Anti-Lifting ระบบการจับยึดให้งานไม่กระดก
Anti workpiece lifting mechanic

Wellock Reduced Lifting ระบบจับยึดลดงานกระดก
Reduced workpiece lifting



ใช้เรียงกันได้ ความสูงพื้นเท่ากันทุกชิ้น
สำหรับปากกรุ่นเดียวกัน
Can be use in row for vise
of the same model.



Ultra Low Height Mechanical Power Vise - ปากกาความสูงน้อยมาก

M Body Material : FCD-60
Body Hardness : HS65
Jaw Material : S50C
Jaw Hardness : HRC54

MC Power
High-Clamp

Adjustable
Clamp Force

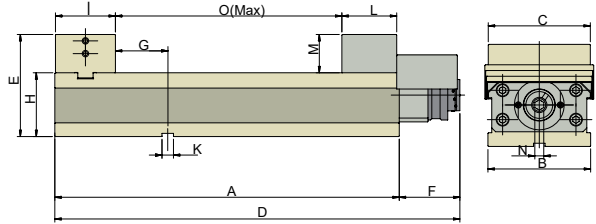
Lockwell
Anti-Lifting



AUTOWELL

ความสูงปากกาน้อยเป็นพิเศษ สามารถเพิ่มความสูงของงานที่ผลิตได้
Ultra low vise body design allow for working on high work piece.

NEW



Order Code	A	B	C	D	E	F	G	H	I	K	L	M	N	O	Q	Clamping Force	Weight
02AVK-160	540	161	160	628	160	88	82	100	94	18	86	60	14	355	27	45KN	65kg
02AVK-200	615	201	200	703	180	88	74	110	102	18	98	70	14	405	30	40KN	105kg

MC Mechanical Reversed Power Vise - ปากกาจับด้านใกล้ตัว

M Body Material : FCD-60
Body Hardness : HS65
Jaw Material : S50C
Jaw Hardness : HRC54

MC Power
High-Clamp

Adjustable
Clamp Force



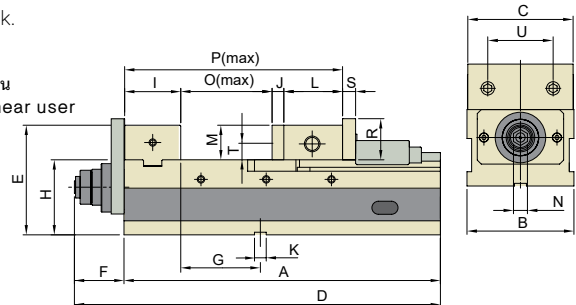
AUTOWELL

ปากจับขึ้นงานอยู่ใกล้ผู้ใช้งานมากขึ้น
การสับเปลี่ยนงานสะดวกมากยิ่งขึ้น
Clamping side near user help reduce the reach needs when changing work.

NEW



i ปากจับอยู่ฝั่งผู้ใช้งาน
Clamping side near user



Order Code	A	B	C	D	E	F	G	H	I	J	K	L	M
02AVR-125G	390	127	124.7	460	153	70	66	100	78	15	18	87.5	53
02AVR-160G	515	161	159.5	591	168	76	76	115	86	18	18	80	53

Order Code	N	O	P	Q	R	S	T	U	Clamping Force	Weight
02AVR-125G	19	173	353.5	22.5	63	20	26.5	60	35KN	46kg
02AVR-160G	19	289	474	25	63	20	26.5	98.4	45KN	76kg

อุปกรณ์จับยึดชิ้นงาน

MC Mechanical Long Power Vise - ปากกาปากเปิดกว้าง

(M) Body Material : FCD-60
Body Hardness : HS65
Jaw Material : S50C
Jaw Hardness : HRC54

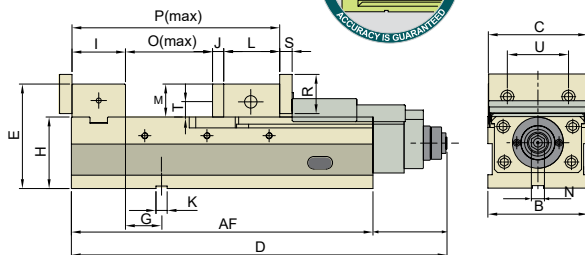
MC Power
High-Clamp

Adjustable
Clamp Force

Lockwell
Anti-Lifting



AUTOWELL



Order Code	A	B	C	D	E	F	G	H	I	J	K	L	M
02ALQ-160G	515	161	159.5	603	168	88	76	115	86	18	18	80	53
02ALQ-200G	585	202	199.5	673	178	88	93	120	101	18	18	95	58

Order Code	N	O	P	Q	R	S	T	U	Clamping Force	Weight
02ALQ-160G	19	330	514	25	63	20	26.5	98.4	45KN	76kg
02ALQ-200G	19	367.5	581.5	31	73	20	29	120	50KN	108kg

Ultra Large Opening MC Mechanical Power Vise - ปากกาปากเปิดกว้างมาก

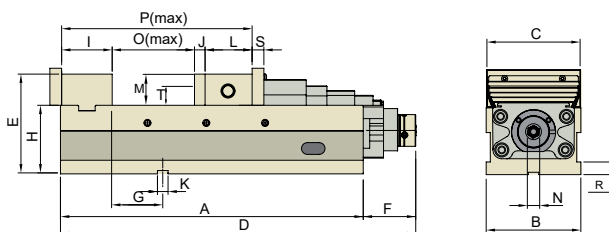
(M) Body Material : FCD-60
Body Hardness : HS65
Jaw Material : S50C
Jaw Hardness : HRC54

MC Power
High-Clamp

Adjustable
Clamp Force

Lockwell
Anti-Lifting

AUTOWELL



Order Code	A	B	C	D	E	F	G	H	I	J	K	L	M
02AVX-160G	545	161	159.5	633	168	88	76	115	86	18	18	80	53

Order Code	N	O	P	Q	R	S	T	U	Clamping Force	Weight
02AVX-160G	19	360	544	25	63	20	26.5	98.4	45KN	80kg

WORK HOLDING EQUIPMENTS

MC Mechanical Power Vise – ปากกาจับชิ้นงานแรงบีบสูง



Body Material : FCD-60
Body Hardness : HS65
Jaw Material : S50C
Jaw Hardness : HRC54

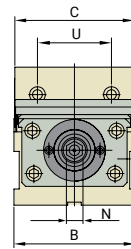
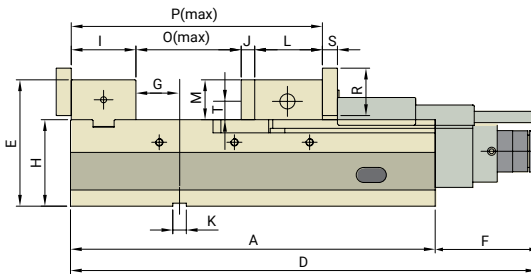
MC Power
High-Clamp

Adjustable
Clamp Force

Lockwell
Anti-Lifting



AUTOWELL



Work Holding

Order Code	A	B	C	D	E	F	G	H	I	J	K	L	M
02AVQ-100G	324	104	102	428	130	104	41	85	73	15	18	86.5	45
02AVQ-125G	390	124.7	125	495	153	105	66	100	78	15	18	87.5	53
02AVQ-160G	485	159.2	159.5	605	168	120	58	115	86	18	18	80	53
02AVQ-200G	535	199.5	200	655	178	128	75	120	101	18	18	95	58

Order Code	N	O	P	Q	R	S	T	U	Clamping Force	Weight
02AVQ-100G	14	140	314.5	20	55	17	22.5	58	25KN	30kg
02AVQ-125G	14	201	381.5	22.5	63	20	26.5	60	35KN	46kg
02AVQ-160G	14	295	479	25	63	20	26.5	98.4	45KN	71kg
02AVQ-200G	14	320	534	31	73	20	29	120	50KN	100kg

อุปกรณ์จับยึดชิ้นงาน

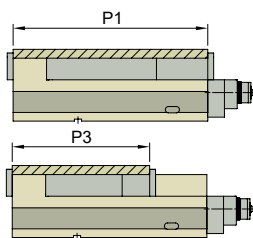
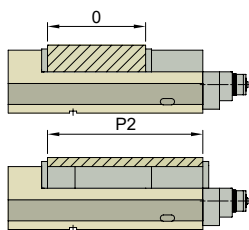
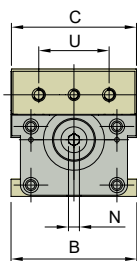
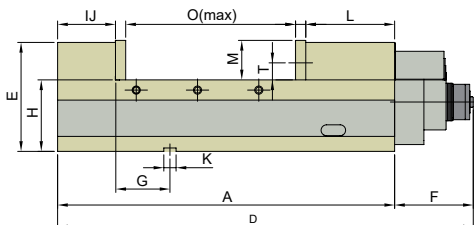
Wellock MC Mechanical Power Vise – ปากกาจับชิ้นงานแรงบีบสูง

M Body Material : FCD-60
Body Hardness : HS65
Jaw Material : S50C
Jaw Hardness : HRC54

MC Power
High-Clamp

Adjustable
Clamp Force

Wellock
Reduced Lifting



Order Code	A	B	C	D	E	F	G	H	I	J	K	L	M
02AVM-100G	350	101	100	470	130	110	45	85	65	15	18	105	48
02AVM-130G	415	131	130	525	147	110	65	95	70	15	18	115	55
02AVM-160G	495	161	160	583	160	88	80	105	85	15	18	130	58
02AVM-165G	560	161	160	648	160	88	80	105	85	15	18	130	58
02AVM-200G	580	201	200	708	170	128	100	110	90	15	18	150	63
02APV-160G	560	161	160	648	155	88	80	100	85	15	18	150	58

Order Code	N	O	P1	P2	P3	T	U	Clamping Force	Weight
02AVM-100G	19	150	150-330	150-240	150-200	22	60	25KN	24kg
02AVM-130G	19	201	201-400	201-300	201-250	25	90	35KN	38kg
02AVM-160G	19	245	250-480	250-370	250-330	25	90	43KN	55kg
02AVM-165G	19	310	315-545	315-435	315-395	25	90	43KN	64kg
02AVM-200G	19	290	290-550	290-430	290-370	28	120	60KN	78kg
02APV-160G	19	310	315-545	315-435	315-395	25	90	43KN	64kg

WORK HOLDING EQUIPMENTS

Wellock MC Machine Vise – ปากกาจับชิ้นงานระบบเวลล็อก

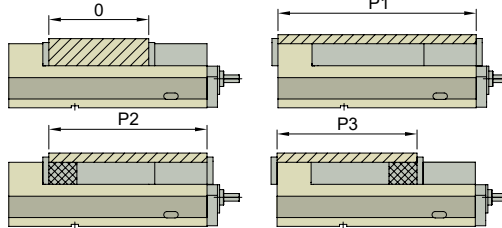
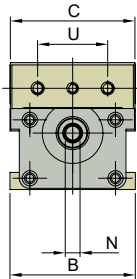
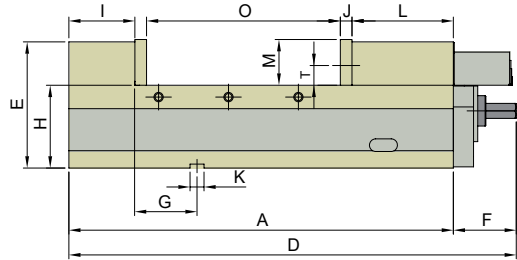


Body Material : FCD-60
Body Hardness : HS65
Jaw Material : S50C
Jaw Hardness : HRC54

Wellock
Reduced Lifting



AUTOWELL



Work Holding

Order Code	A	B	C	D	E	F	G	H	I	J	K	L	M
02AVC-100G	350	101	100	430	130	80	45	85	65	15	18	105	48
02AVC-130G	415	131	130	495	147	80	65	95	70	15	18	115	55
02AVC-160G	495	161	160	576	160	81	80	105	85	15	18	130	58
02AVC-165G	560	161	160	641	160	81	80	105	85	15	18	130	58
02AVC-200G	580	201	200	670	170	90	100	110	90	18	18	150	63
02APC-160G	560	161	160	641	155	81	80	100	85	15	18	130	58

Order Code	N	O	P1	P2	P3	T	U	Weight
02AVC-100G	19	150	150-330	150-240	150-200	22	60	21kg
02AVC-130G	19	201	201-400	201-300	201-250	25	90	35kg
02AVC-160G	19	245	250-480	250-330	250-330	25	90	52kg
02AVC-165G	19	310	315-545	315-395	315-395	25	90	61kg
02AVC-200G	19	290	290-550	290-370	290-370	28	120	75kg
02APC-160G	19	310	315-545	315-435	315-395	25	90	61kg

อุปกรณ์จับยึดชิ้นงาน

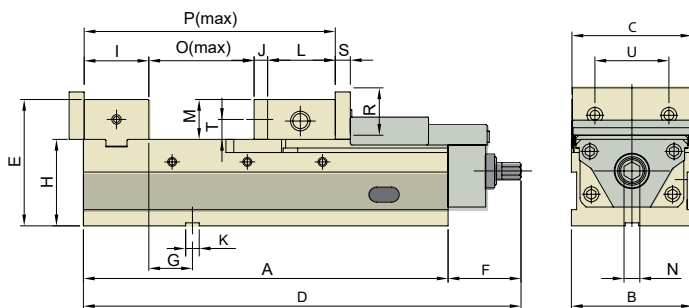
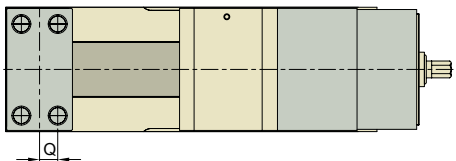
MC Lockwell Super Vise – ปากกาจับชิ้นงานระบบล้อคเวล

M Body Material : FCD-60
Body Hardness : HS65
Jaw Material : S50C
Jaw Hardness : HRC54

Lockwell
Anti-Lifting



AUTOWELL



Order Code	A	B	C	D	E	F	G	H	I	J	K	L	M
02AVL-100G	324	104	102	437	130	104	41	85	73	15	18	86.5	45
02AVL-125G	390	127	124.7	480	153	105	66	100	78	15	18	87.5	53
02AVL-160G	485	161	159.2	625	168	120	58	115	86	18	18	80	53
02AVL-165G	515	161	159.2	655	168	120	76	115	86	18	18	80	53
02AVL-200G	535	202	199.5	660	178	128	75	120	101	18	18	95	58
02AVL-235G	585	202	199.5	710	178	128	93	120	101	18	18	95	58

Order Code	N	O	P	Q	R	S	T	U	Weight
02AVL-100G	19	140	314.5	20	55	17	22.5	58	27kg
02AVL-125G	19	201	381.5	22.5	63	20	26.5	60	43kg
02AVL-160G	21	295	479	25	63	20	26.5	98.4	71kg
02AVL-165G	21	330	514	25	63	20	26.5	98.4	76kg
02AVL-200G	19	320	534	31	73	20	29	120	98kg
02AVL-235G	19	367.5	581.5	31	73	20	29	120	105kg

WORK HOLDING EQUIPMENTS

Wellock 5 Axis Mechanical Power Vise – ปากกาจับชิ้นงาน 5 แกน

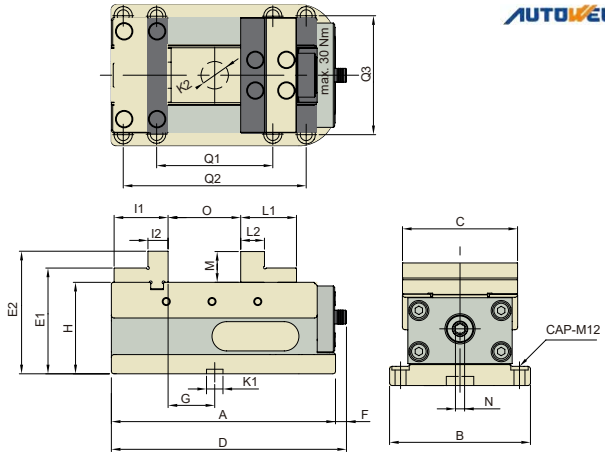


Body Material : SKS3
Body Hardness : HS65
Jaw Material : S50C
Jaw Hardness : HRC54

AUTOWELL®

MC Power
High-Clamp

Wellock
Reduced Lifting



Order Code	A	B	C	D	E	E1	E2	F	G	H	I1	I2	K1
02AEX-125G	245	154	126	257	34	116	134	12	51	100	59	22	18
Order Code	K2	L1	L2	M	N	O	Q1	Q2	Q3	Force Clamping		Weight	
02AEX-125G	ø30	61	26	34	10	102	127	200	130	40KN		20kg	

Extension MC Mechanical Power Vise – เพิ่มความยาวได้



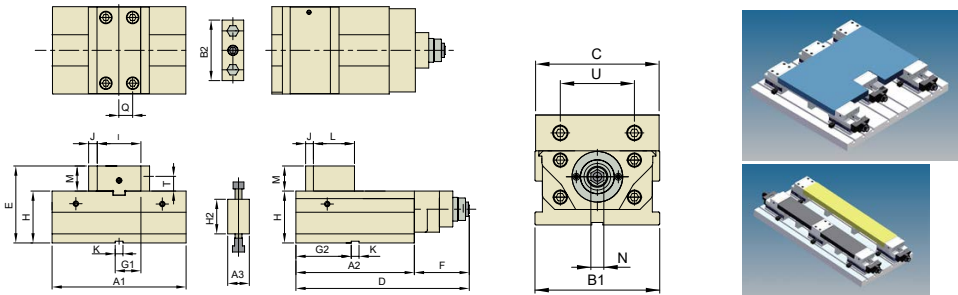
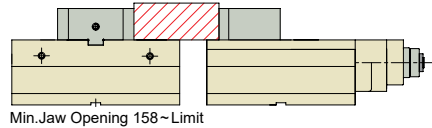
Body Material : FCD-60
Body Hardness : HS65
Jaw Material : S50C
Jaw Hardness : HRC54

MC Power
High-Clamp

Adjustable
Clamp Force

Lockwell
Anti-Lifting

AUTOWELL®



Order Code	A1	A2	A3	B1	B2	C	D	E	F	G1	G2	H	I
02AOM-200	210	270	50	202	140	199.5	398	178	128	59.5	126	120	101
Order Code	J	K	L	M	N	Q	T	U	Clamping Force		Weight		
02AOM-200	18	18	95	58	19	31	129	120	50KN		95kg		

อุปกรณ์จับยึดชิ้นงาน

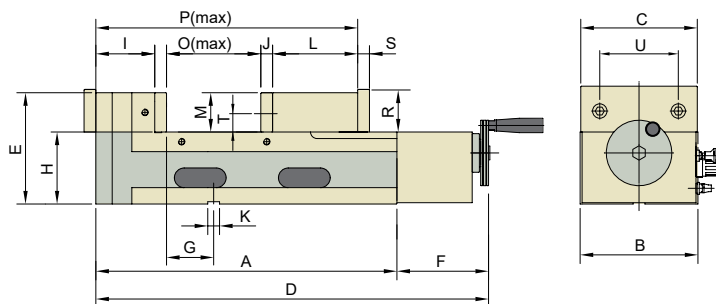
Wellock Air Power Vise – ปากกาจับชิ้นงาน ระบบลม

M Body Material : FCD-60
Body Hardness : HS65
Jaw Material : S50C
Jaw Hardness : HRC54

i Shifting Speed : 1.5sec
Safety Range : 8mm

Wellock
Reduced Lifting

AUTO WELLOCK



Order Code	A	B	C	D	E	F	G	H	I	J	K	L	M
02AMP-100	320	100	98	435	145	140	45	100	85	15	18	105	45
02AMP-150	380	130	128	520	157	140	45	105	85	15	18	110	52
02AMP-160	400	160	158	540	160	140	45	105	87	15	18	120	55
02AMP-165	490	160	158	630	160	140	45	105	87	15	18	120	55
02AMP-180	460	180	178	600	170	140	72	110	90	18	18	130	60
02AMP-200	470	200	200	610	170	140	72	110	90	18	18	140	60
02AMP-300	570	200	200	710	170	140	72	110	90	18	18	140	60

Order Code	O	P	R	S	T	U	Clamping Force	Weight
02AMP-100	100	200-300	55	18	22	60	32KN	32kg
02AMP-150	150	200-380	62	15	25	90	60KN	52kg
02AMP-160	160	210-400	62	15	25	90	60KN	58kg
02AMP-165	250	210-490	65	15	25	90	60KN	65kg
02AMP-180	200	220-460	70	18	28	120	90KN	75kg
02AMP-200	200	230-470	70	18	28	120	90KN	82kg
02AMP-300	300	230-570	70	18	28	120	90KN	93kg

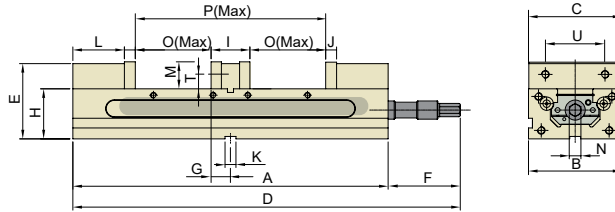
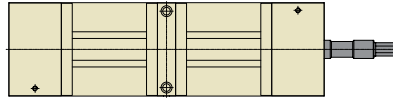
WORK HOLDING EQUIPMENTS

Lockwell Double Station Vise – ปากกาจับชิ้นงานสองด้าน

M Body Material : FCD-60
Body Hardness : HS65
Jaw Material : S50C
Jaw Hardness : HRC54

Force Equalization
Both Sides

Lockwell
Anti-Lifting



Order Code	A	B	C	D	E	F	G	H	I	J	K	L	M
O2TLD-40G	405	104	102	459	96.5	54	27.5	63.5	55	15	18	69	38
O2TLD-60G	520	154	152	536	124.05	16	33	82.33	66	18	18	86.5	44.5

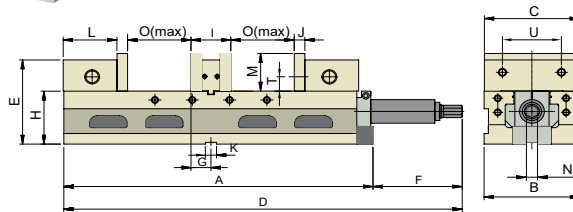
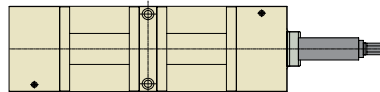
Order Code	N	O	P	T	U	Weight
O2TLD-40G	14	90	235	17.5	63.5	20kg
O2TLD-60G	19	125	316	23.8	98.4	52kg

Lockwell Double Station Vise – ปากกาจับชิ้นงานสองด้าน

M Body Material : FCD-60
Body Hardness : HS65
Jaw Material : S50C
Jaw Hardness : HRC54

Force Equalization
Both Sides

Lockwell
Anti-Lifting



Order Code	A	B	C	D	E	F	G	H	I	J	K	L	M
O2ALD-60G	497	154	152	610	143	113	32	90	64	17	18	86.5	58

Order Code	N	O	T	U	Weight
O2ALD-60G	19	34-102	32	95	63.5kg

อุปกรณ์จับยึดชิ้นงาน

Lockwell Double Station Tower Vise – ปากกาจับชิ้นงานแบบทาวเวอร์

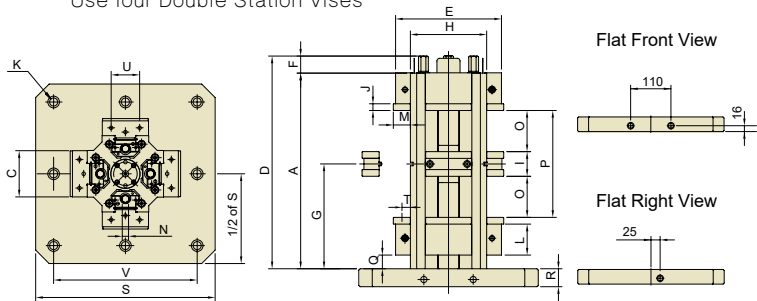
M Body Material : FCD-60
Body Hardness : HS65
Jaw Material : S50C
Jaw Hardness : HRC54

Force Equalization
Both Sides

Lockwell
Anti-Lifting

AUTOWELL

ใช้ปากกาจับชิ้นงานสองด้าน สี่ตัว
Use four Double Station Vises



Order Code	A	C	D	E	F	G	H	I	J	K	L	M
02TLR4400	425	102	479	256	54	222.5	190	55	15	∅18	69	38
02TLR4500	425	102	479	256	54	222.5	190	55	15	∅18	69	38
02TLR6400	540	152	556	313	16	280	280	66	18	∅18	86.5	44.5
02TLR6500	540	152	556	313	16	280	280	66	18	∅18	86.5	44.5

Order Code	N	O	P	Q	R	S	T	U	V	Weight
02TLR4400	14	90	235	20	400	17.5	63.5	63.5	320	200kg
02TLR4500	14	90	235	20	500	17.5	63.5	63.5	400	210kg
02TLR6400	19	125	326	20	400	23.8	98.4	98.4	320	240kg
02TLR6500	19	125	326	20	500	23.8	98.4	98.4	400	250kg

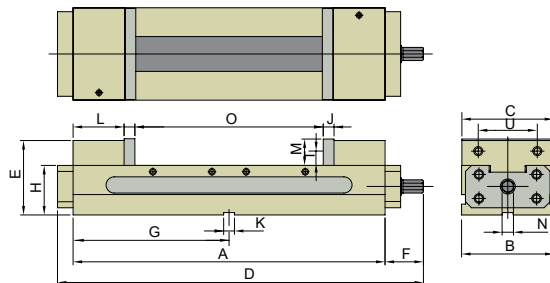
Lockwell Self Centering Machine Vise – ปากกาหาเข็นเตอร์อัตโนมัติ

M Center Tolerance : ± 0.01
Body Material : FCD-60
Body Hardness : HS65
Jaw Material : S50C
Jaw Hardness : HRC54

Lockwell
Anti-Lifting

ปากเลื่อนเข้าหาจุดกึ่งกลางพร้อมกันทั้งสองด้าน
The jaws move toward center simultaneously

AUTOWELL



Order Code	A	B	C	D	E	F	G	H	J	K	L	M	N	O	T	U	Weight
02HLD-60G	520	154	152	610	124.05	64	260	82.55	18	18	86.5	44.5	19	58-314	23.8	98.4	52kg

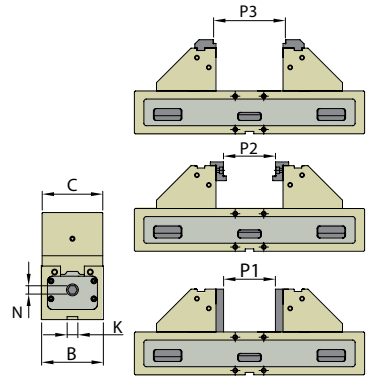
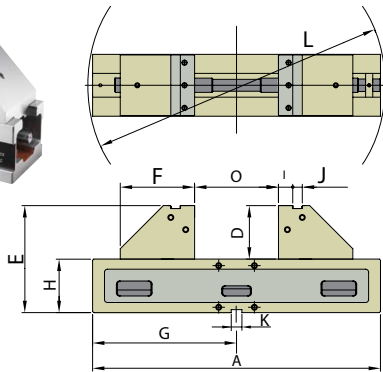
Wellock 5 Axis Machine Vise – ปากกาจับชิ้นงาน 5 แกน



Center Tolerance : ± 0.01
Body Material : FCD-60
Side Surface : Flame Hardened

Wellock
Reduced Lifting

AUTOWELL®



Order Code	A	B	C	D	E	F	G	H	I	J	K	L	N	O	P1	P2	P3	Clamping Force	Weight
O2ALT-100S	280	104	102	90	180	125	140	90	24	16	18	300	14	0-30	-	-	10-40	20KN	17kg
O2ALT-100M	324	104	102	90	180	125	162	90	24	16	18	350	14	0-74	0-44	12-44	10-84	20KN	20kg
O2ALT-100L	484	104	102	90	180	125	242	90	24	16	18	500	14	0-200	0-200	12-200	10-200	20KN	30kg

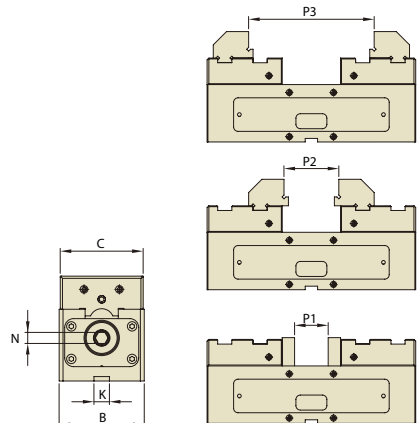
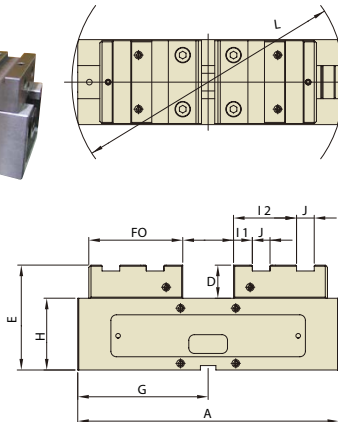
Wellock 5 Axis Machine Vise – ปากกาจับชิ้นงาน 5 แกน



Center Tolerance : ± 0.01
Body Material : SKS3
Side Surface : Flame Hardened

Wellock
Reduced Lifting

AUTOWELL®



Order Code	A	B	C	D	E	F	G	H	I1	I2	J	K	L	N	O	P1	P2	P3	Clamping Force	Weight
O2ALT-75S	196	77	75	30	95	85	98	65	17	57	16	14	210	10	30	-	26	106	20KN	8kg
O2ALT-75M	236	77	75	30	95	85	118	65	17	57	16	14	250	10	70	40	66	146	20KN	10kg

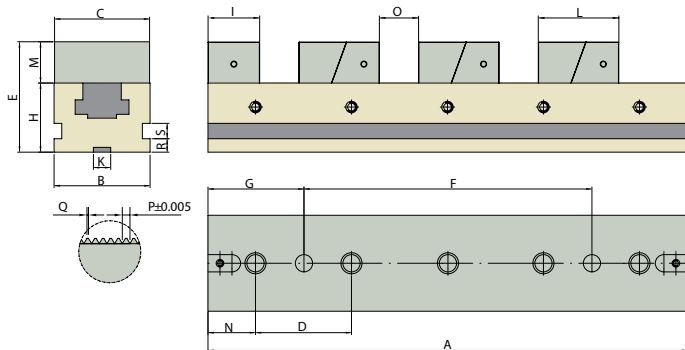
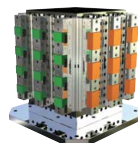
อุปกรณ์จับยึดชิ้นงาน

Flexible Well Vise – ปากกาจับชิ้นงานหลายตอน



M Body Material : Tool Steel
Hardness : HRC50-55

AUTOWELL®



Order Code	A	B	C	D	E	F	G	H	I	K	L	M	N	O	P	Q	R	S	Clamping Force
02ALG5030	300	50	49	100	75	100	100	50	36	18	60	24.8	50	30	1.5	0.5	10	12	1000 kgf
02ALG5040	400	50	49	100	75	200	100	50	36	18	60	24.8	50	33	1.5	0.5	10	12	
02ALG5050	500	50	49	100	75	300	100	50	36	18	60	24.8	50	35	1.5	0.5	10	12	
02ALG5060	600	50	49	100	75	400	100	50	36	18	60	24.8	50	36	1.5	0.5	10	12	
02ALG5070	700	50	49	100	75	500	100	50	36	18	60	24.8	50	37	1.5	0.5	10	12	
02ALG7240	400	72	71	100	110	200	100	72	48	18	82	39.7	50	38	2.0	0.7	14	16	2000 kgf
02ALG7250	500	72	71	100	110	300	100	72	48	18	82	39.7	50	33	2.0	0.7	14	16	
02ALG7260	600	72	71	100	110	400	100	72	48	18	82	39.7	50	31	2.0	0.7	14	16	
02ALG7270	700	72	71	100	110	500	100	72	48	18	82	39.7	50	29	2.0	0.7	14	16	
02ALG10050	500	100	99	100	120	300	100	72	48	18	93	43.3	50	25	2.5	1	14	16	3000 kgf
02ALG10060	600	100	99	100	120	400	100	72	48	18	93	43.3	50	34	2.5	1	14	16	
02ALG10070	700	100	99	100	120	500	100	72	48	18	93	43.3	50	32	2.5	1	14	16	

Order Code	Hold Workpieces						
	1	2	3	4	5	6	7
02ALG5030	206	74	30	-	-	-	-
02ALG5040	306	124	63	33	-	-	-
02ALG5050	406	174	97	58	35	-	-
02ALG5060	506	224	130	83	55	36	-
02ALG5070	606	274	163	108	75	53	37
02ALG7240	272	96	38	-	-	-	-
02ALG7250	372	146	71	33	-	-	-
02ALG7260	472	196	104	58	31	-	-
02ALG7270	572	246	135	83	51	29	-
02ALG10050	364	138	63	25	34	-	-
02ALG10060	464	188	96	50	54	-	-
02ALG10070	564	238	130	75	-	31	-

Wellock Large Opening Vise – ปากกาจับชิ้นงาน ปากเปิดกว้าง

M Body Material : FCD-60
Body Hardness : HS65
Jaw Material : S50C
Jaw Hardness : HRC54
Bed Height : ± 0.012

Wellock
Reduced Lifting

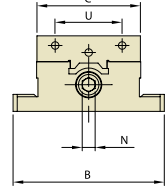
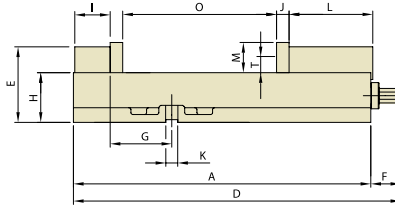


AUTOWELL

02ATW-689



02ATW-810



Order Code	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	T	U	Weight
02ATW-689	437	222	151	481	111.025	44	90.5	73.025	52	18	18	123	44.5	19	226	23.6	98.4	36.3kg
02ATW-810	555	295	206	615	134.074	60	125.7	84.074	58	24.2	18	157	56	19	265	32	120	68.2kg

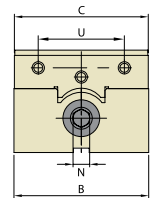
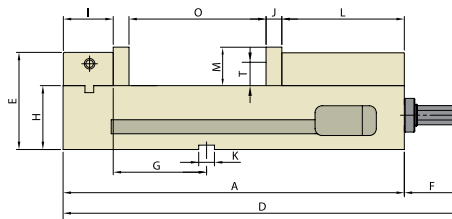
Lockwell Machine Vise – ปากกาจับชิ้นงานรุ่น ล็อคเวล

M Body Material : FCD-60
Body Hardness : HS65
Jaw Material : S50C
Jaw Hardness : HRC54
Bed Height : ± 0.012

Lockwell
Anti-Lifting



AUTOWELL



Order Code	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	T	U	Weight
02AMC-40G	330	105	102	372	100	42	91.6	68	46.8	21	18	106	40	14	125	17.5	63.5	21kg
02AMC-50G	360	128	126	410	103.5	50	82	70	45	17	18	117	38	19	158	20.6	79.4	26kg
02AMC-60g	390	154	151	455	111	65	106.7	73	57	18	18	140	44.5	19	148	23.8	98.4	36.5kg
02AMC-689G	437	154	151	490	134	53	90.5	73.025	52	18	18	123	44.5	19	226	23.8	98.4	36.5kg

อุปกรณ์จับยึดชิ้นงาน

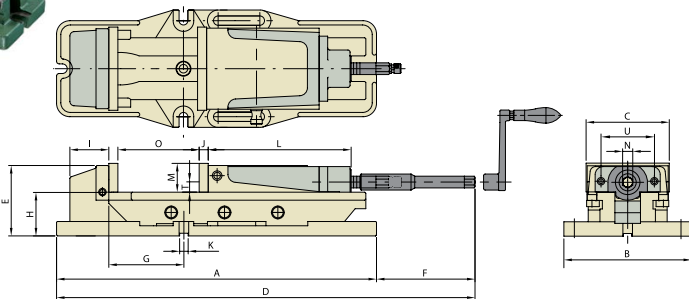
Hydraulic Machine Vise – ปากกาจับชิ้นงานระบบไฮดรอลิก

AUTOWELL®



Optional Base

Base Order Code	For Vice Model
02HP402A	02HP-40
02HP502A	02HP-50
02HP602A	02HP-60
02HP802A	02HP-80

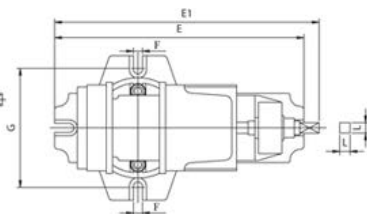
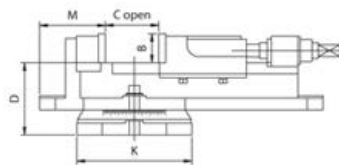
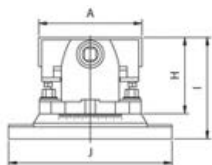


(M) Body Material : High Tensile Rigid Iron

Order Code	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	T	U	Clamping Force	Weight
02HP-40	435	160	104	525	93	90	53	58	76	11	16	153	36	14	170	10	70	25KN	18kg
02HP-50	538	185	130	670	117	132	82	72	82	15	16	175	46	19	220	16	85	35KN	28kg
02HP-60	620	240	154	800	132	180	140	82	81	17	16	208	54	19	300	18	100	44KN	40kg
02HP-80	700	280	206	900	160	200	118	100	101	21	18	245	62	19	300	24.5	120	66KN	82kg

K Type Milling Vise – ปากกาจับชิ้นงาน รุ่น K Type

VERTEX



Order Code	A	B	C	D	E	E1	F	G	H	I	J	K	L	M	Clamping Force	Weight (kg)
02VK-4	104	36	62	76	293	310	13	145	83	113	176	122	15	65	8.9KN	10
02VK-5	130	37	80	92	362	384	13	172	97	129	209	147	15	84	8.9KN	16
02VK-6	152	43	112	105	442	473	15	209	108	148	260	181	16.5	90	9.8KN	27
02VK-8	204	63	146	127	579	609	18	312	148	190	350	234	21	122	13.7KN	58

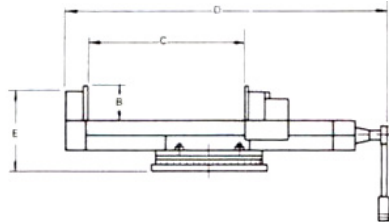
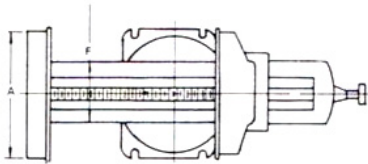
Free Vise – ปากกาจับงานอิสระ



2 ชิ้นต่อบุค
2pcs per set

Order Code	Dimension (W x H x L)	Clamping Capacity (H x L)	Weight / Set
02FV350	75x67x150mm	140x350mm	7.5kg
02FV450	100x90x200mm	180x450mm	14kg
02FV550	125x120x250mm	250x550mm	23kg

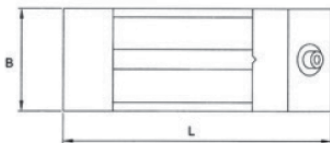
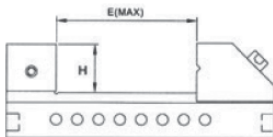
Shaping Machine Vise – ปากกาจับชิ้นงาน ปากกว้างพิเศษ



Order Code	A	B	c	D	E	F	Weight
02SSM-12	300	70	300	650	210	220	80kg
02SSM-16	410	90	410	790	240	250	135kg
02SSM-20	500	90	500	910	250	305	175kg

Grinding Vise – ปากกาเจียรนัย

(M) Squareness : ± 0.005
Parallelism : ± 0.005
Hardness : HRC58-62



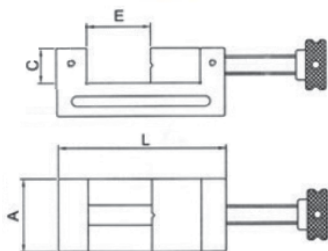
Order Code	B	H	L	E (Jaw Open)	Weight (kg)
02VB10	26	9.15	65.4	0 - 22	0.5
02VB15	36	20	100	0 - 40	1.2
02VB20	50	25	140	0 - 65	2.0
02VB25	63	32	175	0 - 85	3.0
02VB30	73	35	190	0 - 100	4.1
02VB35	88	40	235	0 - 125	7.3
02VB40	100	45	245	0 - 125	10.0
02VB50	125	50	285	0 - 160	18.0
02VB60	150	50	330	0 - 200	21.5

อุปกรณ์จับยึดชิ้นงาน

Screw-Lock Grinding Vise – ปากกาเจียรนัย รูน้ล็คด้วยการขันสกรู



- Ⓜ Squareness : ± 0.005
- Parallelism : ± 0.005
- Hardness : HRC58-62



Order Code	A	B	L	E (Jaw Open)	Weight (kg)
02VD20	50	25	155	0 - 65	3.00
02VD25	63	32	190	0 - 85	3.80
02VD30	73	35	210	0 - 100	5.00
02VD40	100	45	260	0 - 125	13.00

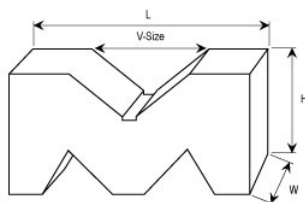
Iron V Block – วิวล็คเหล็กหล่อ



- 📄 จำหน่ายเป็นคู่
Sold in pair (2pcs/set)

Order Code	Length	Width / Set	Height	V Breadth	V Depth
02V-050	50	48	32	25	12.5
02V-075	75	62	53	34	17
02V-100	100	82	60	48	24
02V-125	125	102	79	58	29
02V-150	150	124	88	80	40
02V-175	175	152	115	92	46
02V-200	200	174	140	114	57

Precision V Block – วิวล็คเจียรร่วม



- 📄 จำหน่ายเป็นคู่
Sold in pair (2pcs/set)

Order Code	L	W	H	V-Size
02V-075A	72.8	25	36.7	40
02V-100A	100	36	60	50
02V-125A	124	35	61	60
02V-150A	150	38	70	80

V Block With Clamp – วัสดุบล็อกแบบมีแคลมป์ยึด

02JC-34-004
02JC-34-005



02JC-34-006
02JC-34-007



Material : S45C
Hardness : HRC50-60



จำหน่ายเป็นคู่
Sold in pair (2pcs/set)

Order Code	Width	Height	Length	Capacity	Weight
02JC-34-004	44	41	35	25	1.0kg
02JC-34-005	70	44	41	30	1.8kg
02JC-34-006	63	44	70	30	2.4kg
02JC-34-007	89	63	124	35	10.0kg

Auto Adjust Face Drive – หัวเฟสไดรฟ์ยึดงานกลึงเพล



Auto Adjust Face Drive



สำหรับจับยึดงานกลึงเพลแทนสามจับ
Hold surface of workpiece in place of 3-Jaws

Auto-Adjust Live Center				Replaceable Part	
Order Code	Range	Shank Morse Taper	MAX RPM	Center Shaft Order Code	Blade 5pc/set Order Code
07HD-31	10-25mm	MT4	10500	07HD-31A	07HD-31B
07HD-32	15-40mm		12000	07HD-32A	07HD-32B
07HD-33	30-65mm		13750	07HD-33A	07HD-33B
07HD-34	40-80mm		16250	07HD-34A	07HD-34B

อุปกรณ์จับยึดชิ้นงาน

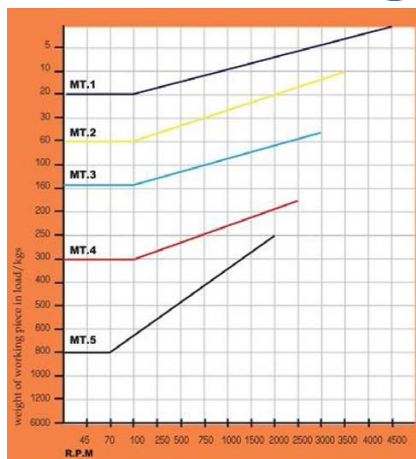
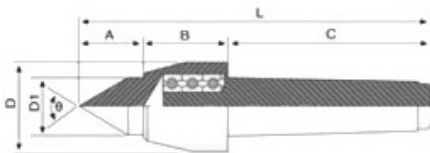
Carbide Tip Dead Center – ยันศูนย์ตาย ปลายคาร์ไบด์



(M) ปลายคาร์ไบด์
Carbide Tip

Order Code	Shank Morse Taper	Total Length	Tip Angle	Tip Material
07YT-1802	MT2	100	60°	Carbide
07YT-1803	MT3	125		
07YT-1804	MT4	155		
07YT-1805	MT5	200		
07YT-1806	MT6	270		

Light Load Live Center – ยันศูนย์เป็นสำหรับงานเบา



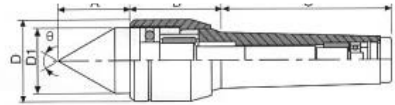
(M) Tip : HRC58 - 60

Order Code	Shank Morse Taper	A	B	C	D	D1	L	θ	Max RPM	Max Load kg	Accuracy
07EPC-1	MT1	21	31	56	32	16	108	60°	4500	20	±0.005
07EPC-2	MT2	26	37	69	40	22	132		3500	60	
07EPC-3	MT3	32	46	86	45	26	164		3000	160	
07EPC-4	MT4	34	46	108	48	30	188		2500	300	
07EPC-5	MT5	50	62	136	68	45	248		2000	800	

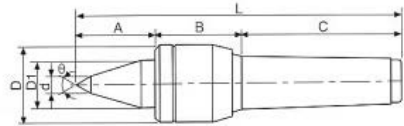
Medium Load Live Center – ยันศูนย์เป็นรูนกลาง



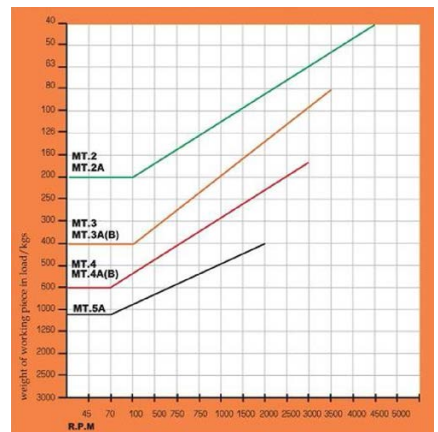
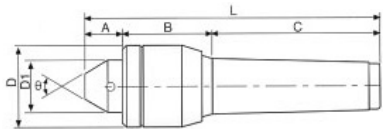
07ENK



07ENK-L



07ENK-S



Tip : HRC58 - 62

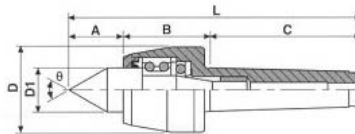
Order Code	Shank Morse Taper	A	B	C	D	D1	d	L	θ	Max RPM	Max Load Kg	Accuracy
07ENK-2	MT2	28	35	69	32	23	-	132	60°	5000	200	±0.003
07ENK-3	MT3	36	44	86	41	35	-	166		3500	400	
07ENK-4	MT4	41	51	108	47	40	-	200		3000	600	
07ENK-5	MT5	54	72	136	65	52	-	262		2000	1000	
07ENK-L3	MT3	46	44	86	41	25	10	176		3500	400	
07ENK-L4	MT4	55	51	108	47	32	12	214		3000	600	
07ENK-S2	MT2	22	36	69	32	25	-	127		5000	200	±0.005
07ENK-S3	MT3	23	44	86	41	30	-	153		3500	400	
07ENK-S4	MT4	23	44	86	41	32	-	182		3000	600	

อุปกรณ์จับยึดชิ้นงาน

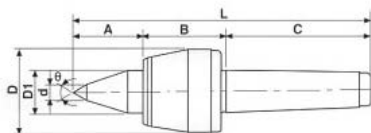
High-Speed Live Center – ยืนยันเป็นความเร็วสูง



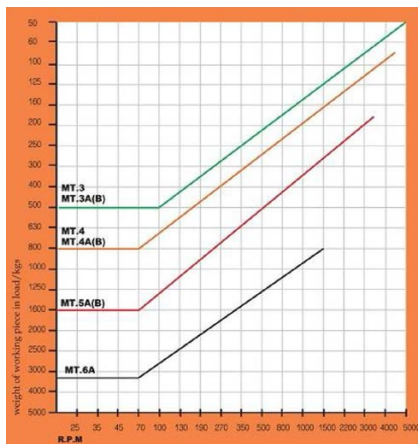
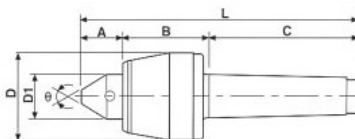
07ENCH



07ENCH-L



07ENCH-S



Tip : HRC58 - 62

Order Code	Shank Morse Taper	A	B	C	D	D1	d	L	θ	Max RPM	Max Load kg	Accuracy
07ENCH-3	MT3	39	55	86	53	30	-	180	60°	5000	500	±0.003
07ENCH-4	MT4	42	62	108	63	32	-	208		4500	800	
07ENCH-5	MT5	49	71	136	83	40	-	256		3500	1600	
07ENCH-6	MT6	80	110	189	128	70	-	379		1500	3000	±0.006
07ENCH-L3	MT3	45	55	86	53	30	10	186		5000	500	±0.003
07ENCH-L4	MT4	52	62	108	63	32	12	218		4500	800	
07ENCH-L5	MT5	59	71	136	83	40	14	266		3500	1600	
07ENCH-S3	MT3	28	55	86	53	30	-	169		5000	500	±0.005
07ENCH-S4	MT4	30	62	108	63	32	-	196		4500	800	
07ENCH-S5	MT5	33	71	136	83	40	-	169		5000	1600	

Heavy Load Live Center – ยันศูนย์รับน้ำหนักสูง



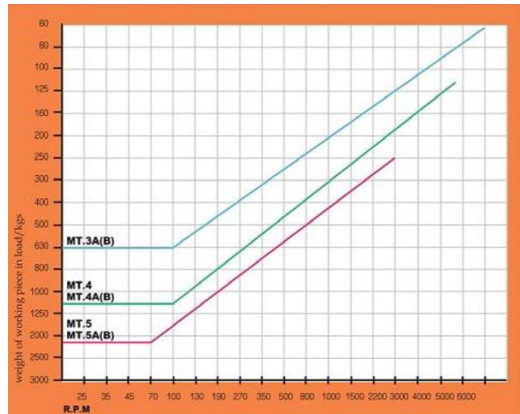
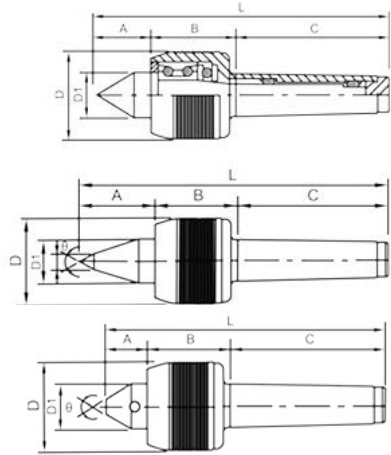
07ENCF



07ENCF-L



07ENCF-S



M Tip : HRC58 - 62

Order Code	Shank Morse Taper	A	B	C	D	D1	d	L	θ	Max RPM	Max Load kg	Accuracy
07ENCF-3	MT3	38	50	86	53	30	-	174	60°	6000	630	±0.003
07ENCF-4	MT4	45	60	108	68	32	-	213		5500	1200	
07ENCF-5	MT5	52	70	136	87	40	-	258		4000	2100	
07ENCF-L3	MT3	52	50	86	53	30	10	188		6000	630	
07ENCF-L4	MT4	55	60	108	68	32	12	223		5500	1200	±0.005
07ENCF-L5	MT5	67	70	136	87	40	14	273		4000	2100	
07ENCF-S4	MT4	35	60	108	68	32	-	203		5500	1200	
07ENCF-S5	MT5	37	70	136	87	40	-	243		4000	2100	

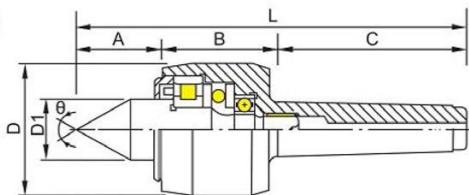
อุปกรณ์จับยึดชิ้นงาน

High Performance Live Center – ยันศูนย์เป็นสมรรถนะสูง

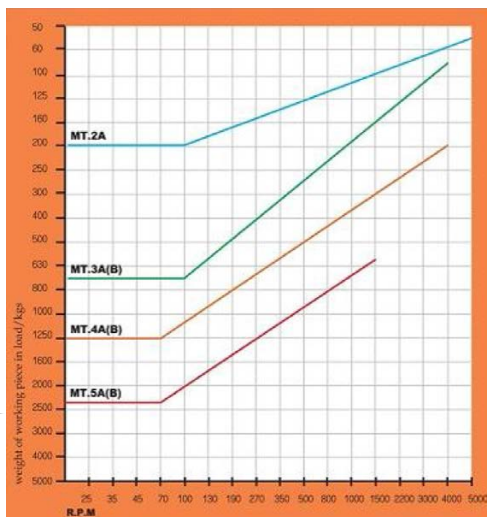
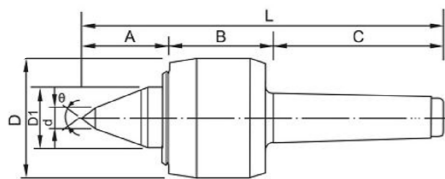
ยันศูนย์ที่ได้รับการพัฒนาขึ้นมาให้มีสมรรถนะสูงในทุกๆด้าน ทั้งความเร็วรอบ การรับน้ำหนัก และ อายุการใช้งาน
Developed to provide higher performance in speed, load weight, and tool life.



07ENCK



07ENCK-L



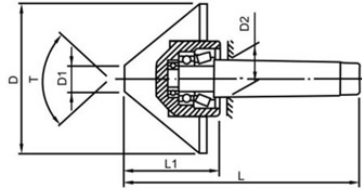
Tip : HRC58 - 62

Order Code	Shank Morse Taper	A	B	C	D	D1	d	L	θ	Max RPM	Max Load kg	Accuracy
07ENCK-2	MT2	18	46.5	69	34	13	-	133.5	60°	6000	200	±0.003
07ENCK-3	MT3	33	63	87	58	25	-	183		5200	650	
07ENCK-4	MT4	43	67	114	76	35	-	224		5000	1250	
07ENCK-5	MT5	54.5	88.5	142	95	45	-	285		3500	2300	
07ENCK-L3	MT3	44	63	87	58	25	10	194	60°	5200	650	±0.003
07ENCK-L4	MT4	54	67	114	76	35	12	235		5000	1250	
07ENCK-L5	MT5	66.5	88.5	142	95	45	14	297		3500	2300	

Bull Nose Live Center – ยันศูนย์เป็นหัวบูลโนส

หัวบูลโนสสำหรับยันศูนย์ชิ้นงานประเภทท่อ

Bull Nose are suitable for center holding of pipe shapes



Order Code	Morse Taper	L	L1	D	D1	D2	T	Max RPM	Max Load (At 100RPM)	Weight (kg)
07CL-20-001	MT2	128	58	63.5	12	17.78	60°	3000	250kg	0.9
07CL-20-002	MT2	138	68	78	19	17.78		2500	500kg	1.3
07CL-20-003	MT3	158	68	78	19	23.825		2500	500kg	1.5
07CL-20-004	MT4	179	68	78	19	31.267		2500	500kg	1.8
07CL-20-005	MT2	141	70	106	32	17.78		2000	800kg	2.3
07CL-20-006	MT3	160	70	106	32	23.825	70°	2000	800kg	2.5
07CL-20-007	MT4	181	70	106	32	31.267		2000	800kg	3
07CL-20-008	MT5	214	70	106	32	44.399		2000	800kg	4
07CL-20-009	MT3	173	83	128	35	23.825		1900	1200kg	4.2
07CL-20-010	MT4	194	83	128	35	31.267		1900	1200kg	4.6
07CL-20-011	MT5	227	83	128	35	44.399		1900	1200kg	5.5
07CL-20-012	MT3	183	93	156	50	23.825		1900	1500kg	7.3
07CL-20-013	MT4	204	93	156	50	31.267		1900	1500kg	7.7
07CL-20-014	MT5	237	93	156	50	44.399		1900	1500kg	8.2
07CL-20-015	MT4	223	113	206	54	31.267	75°	1500	2600kg	12.5
07CL-20-016	MT5	257	113	206	54	44.399		1500	2600kg	13.5
07CL-20-017	MT6	298	113	206	54	63.348		1500	2600kg	16
07CL-20-018	MT4	236	120	258	92	31.267	80°	1000	3600kg	24
07CL-20-019	MT5	264	120	258	92	44.399		1000	3600kg	25.5
07CL-20-020	MT6	306	120	258	92	63.348	90°	1000	3600kg	28
07CL-20-021	MT5	281	135	306	120	44.399		1000	3600kg	37.5
07CL-20-022	MT6	323	135	306	120	63.348	60°	1000	3600kg	40
07CL-20-023	MT2	125	55	57	12	17.78		3000	250kg	0.8
07CL-20-024	MT2	130	60	62	12	17.78		3000	250kg	0.9
07CL-20-025	MT2	130	60	63	12	17.78		3000	250kg	0.9
07CL-20-026	MT3	148	58	75	19	23.825		2500	500kg	1.3
07CL-20-027	MT3	152	62	78	19	23.825	70°	2500	500kg	1.4
07CL-20-028	MT3	157	67	105	32	23.825		2000	800kg	2.7
07CL-20-029	MT3	160	70	107	32	24.825		2000	800kg	2.9
07CL-20-030	MT4	185	74	125	35	25.825	75°	2000	1400kg	4.1
07CL-20-031	MT4	192	81	128	35	26.825	70°	2000	1500kg	4.6
07CL-20-032	MT5	230	86	150	50	27.825		2000	1600kg	7.7
07CL-20-033	MT5	236	92	168	50	28.825		1900	1800kg	9.5
07CL-20-034	MT6	297	111	200	54	29.825	75°	1500	2600kg	16