

DYNAMAX **VT Series Link Clamp**

■ Order Example



VT – 25 L

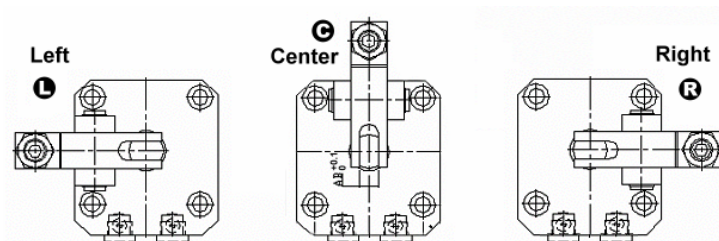
25
32
40
50
63

The direction of arm

L : left

C : Center

R : right



■ Feature

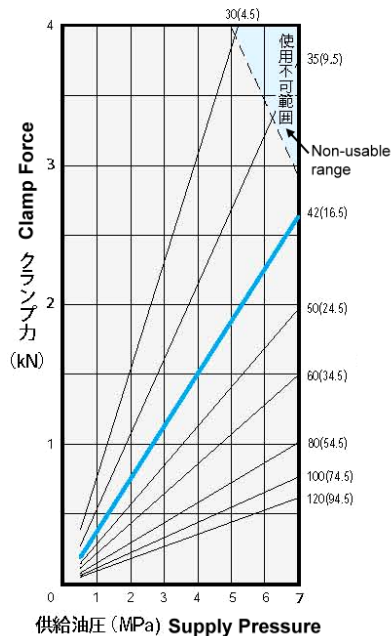
- 1 Cylinder body use aluminum alloy to reduce the weigh.
- 2 Piping mounting and manifold mounting in one cylinder body.
- 3 Use Japan Sakagami seal to avoid inner leakage
- 4 Strengthen the link mechanism to have a longer life
- 5 To supply cylinder with standard arm. No extra cost for arm

Model No.		VT-25	VT-32	VT-40	VT-50	VT-63
Cylinder area(cm ²)		4.91	8.04	12.56	19.62	31.16
Total stroke (mm)		23.5	26	29.5	35	41
Lock stroke (mm)		20.5	23	26.5	32	38
Extra stroke(mm)		3	3	3	3	3
Cylinder Volume cm ³	Clamp	11.5	20.9	37.1	68.7	127.8
	Release	7.9	15.7	29.6	55.4	102.5
Max. operating pressure Mpa		7				
Min. operating pressure Mpa		0.5				
Design pressure Mpa		10.5				
Operating temperature		0~70℃				
Weight (Includes standard arm) kg		0.60	0.92	1.86	2.34	3.90

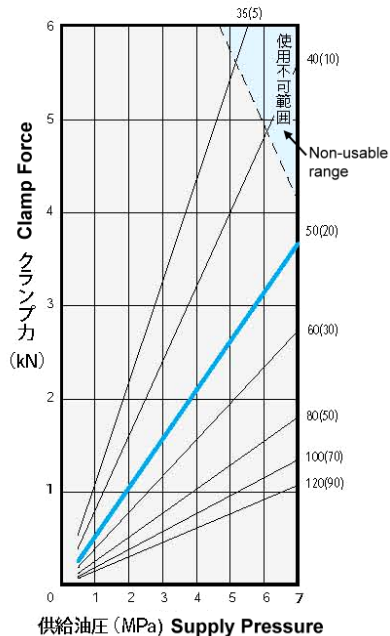
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■ Performance curve

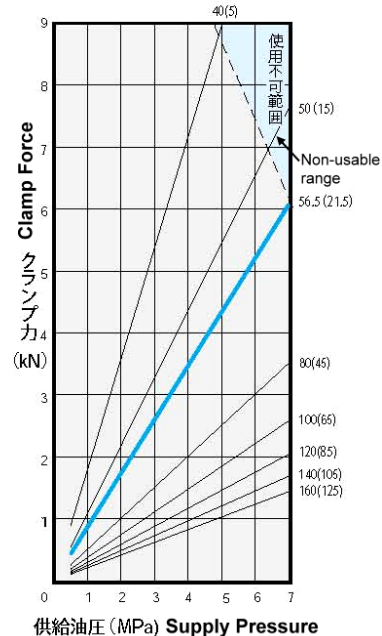
VT-25



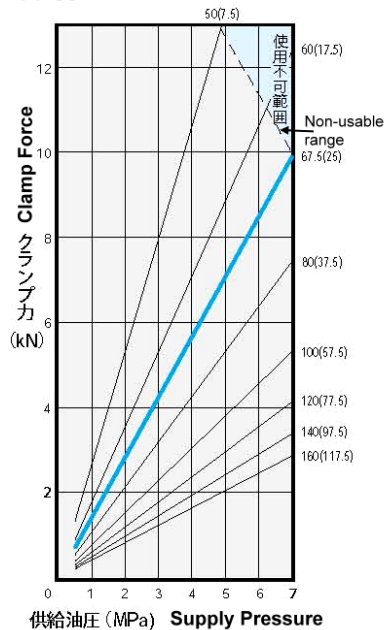
VT-32



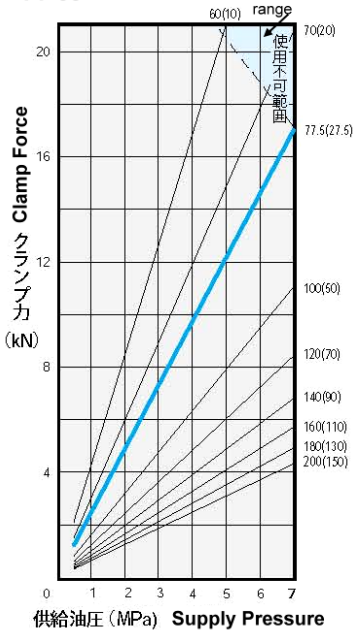
VT-40



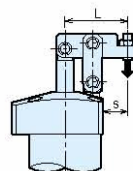
VT-50



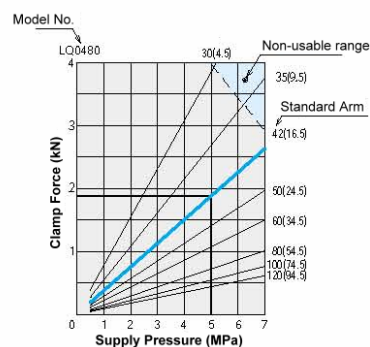
VT-63



How to read performance curve diagram

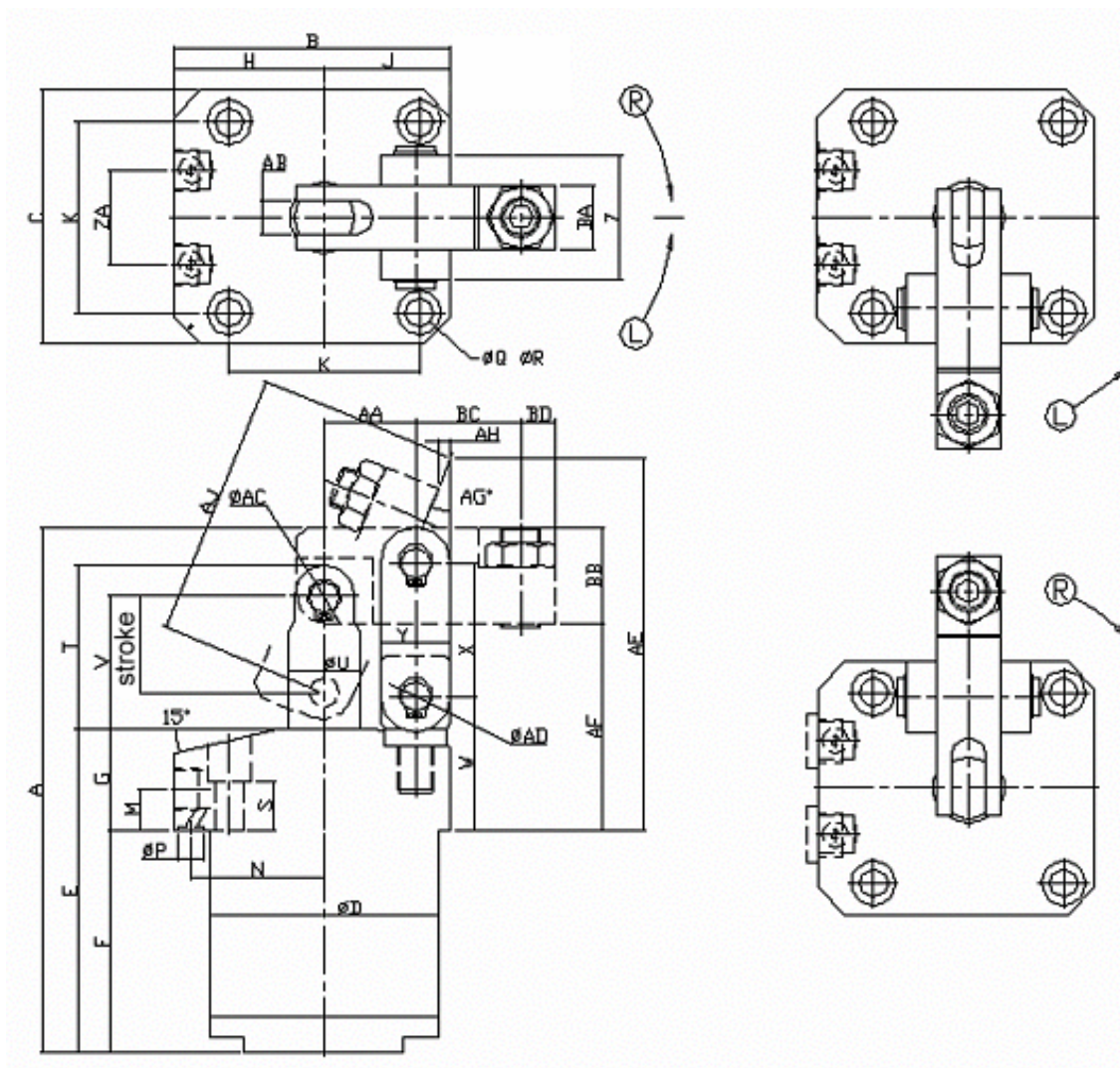


Example: When use VF-25 the length of arm $L=42\text{mm}$ clamp force is about 1.88kN



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Outline dimension

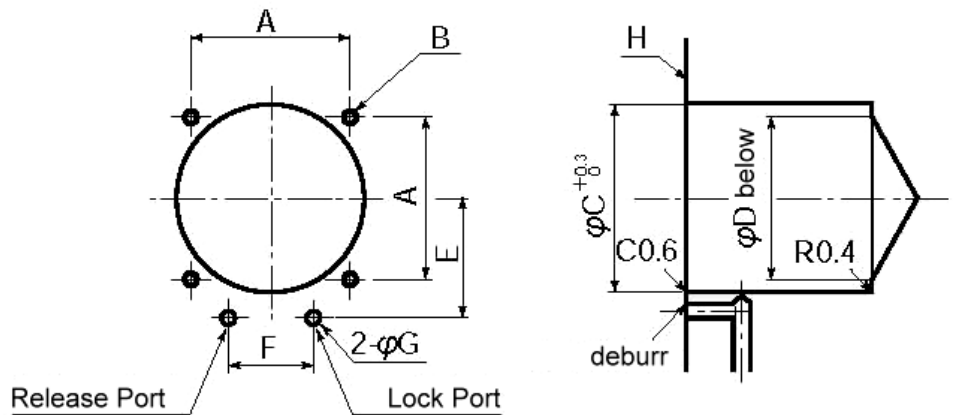


DYNAMAX **VT Series Link Clamp**

		VT-25	VT-32	VT-40	VT-50	VT-63
A		114	132.5	147	175	207
B		61	69	81	94.5	109.5
C		51	60	70	85	100
D		48	55	65	75	90
E		75	87	93	108	128
F		47	59	63	71	88
G		28	28	30	37	40
H		35.5	39	46	52	59.5
J		25.5	30	35	42.5	50
K		40	47	55	63	75
M		12	12	13	16	16
N		30	33.5	39.5	45	52.5
P		3	3	5	5	5
Q		9.5	11	11	14	17.5
R		5.5	6.8	6.8	9	11
S		17.5	15	15.5	19.5	19
T		35	37.5	45	55	64.5
U		14	16	18	22	28
V		29	31.5	37	45	52
W		34.5	35.5	39	48	52.5
X		26	30	35.5	43.5	52.5
Y		13	16	19	25	28
Z		21	28	37	40	49
port		Rc 1/8	Rc 1/8	Rc1/4	Rc1/4	Rc3/8
ZA		22	24	30	32	37
Clamping arm	AA	18.5	21	24.5	30	36
	AB	6	8	10	11	13
	AC	6	6	8	10	12
	AD	6	8	10	12	15
	AE	92.4	101.9	111.4	130.8	146.5
	AF	51	53.5	59	72	81
	AG	18.9	19.9	20.5	21.4	22.4
	AH	4.3	4.7	4.3	4.5	5
	AJ	61.2	71.7	78.7	90.8	104.6
	BA	12	16	19	22	25
	BB	16	20	25	32	38
	BC	23.5	29	32	37.5	41.5
	BD	6	8	10	11	14

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■ The machining data for mounting

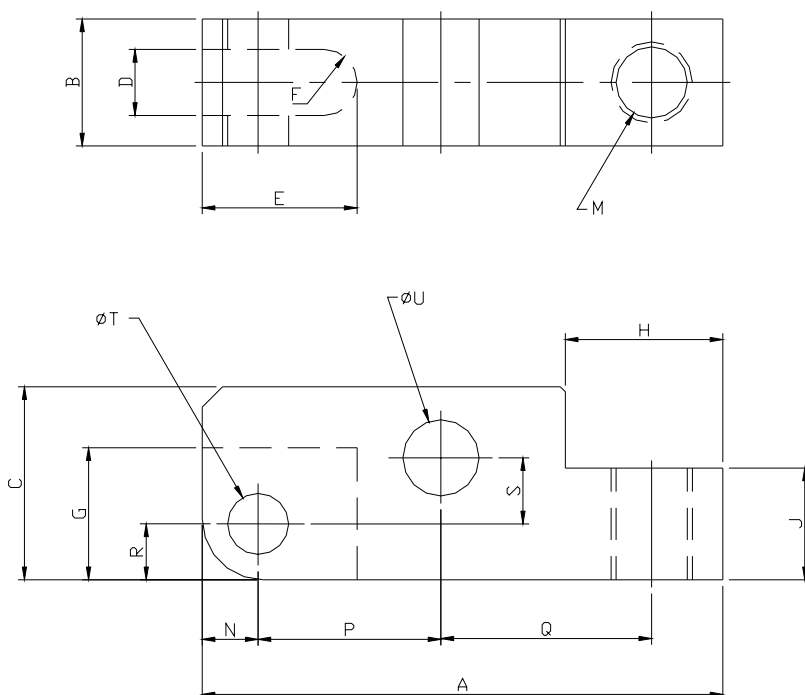


Model No.	VT-25	VT-32	VT-40	VT-50	VT-63
A	40	47	55	63	75
B	M5X0.8	M6	M6	M8	M10
C	48	55	65	75	90
D	45	50	60	70	85
E	30	33.5	39.5	45	52.5
F	22	24	30	32	37
G	3	3	5	5	5

Note:

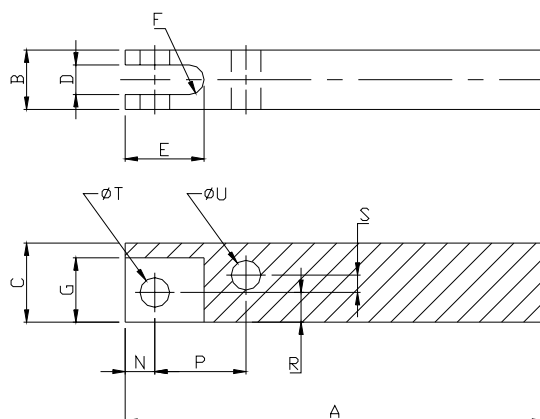
1. The surface roughness for H is 6.3S.
2. The thread length of mounting bolt is determined by customer.

DYNAMAX **VT Series Link Clamp**



Arm	VTA-25	VTA-32	VTA-40	VTA-50	VTA-63
A	54	64	74.5	88.5	102.5
B	120-0.3	160-0.3	190-0.3	220-0.3	250-0.3
C	14	20	25	32	38
D	6	8	10	11	13
E	14.5	16.5	21	25.5	30.5
F	3	4	5	5.5	6.5
G	13	13	17.5	22	26
H	13	17	22	25	31
J	8	10	13	16	22
M	M6	M8	M10	M12	M16
N	6	6	8	10	11
P	18.5	21	24.5	30	36
Q	23.5	29	32	37.5	41.5
R	6	6	8	10	11
S	3.5	6	7.5	9.5	13
T	6	6	8	10	12
U	6	8	10	12	15

DYNAMAX VT Series Link Clamp



Arm	VTB-25	VTB-32	VTB-40	VTB-50	VTB-63
A	85	90	105	110	160
B	12 0-0.3	16 0-0.3	19 0-0.3	22 0-0.3	25 0-0.3
C	16	20	25	32	38
D	6	8	10	11	13
E	16	16.5	21	25.5	30.5
F	3	4	5	5.5	6.5
G	13	13	17.5	22	26
N	6	6	8	10	11
P	18.5	21	24.5	30	36
R	6	6	8	10	11
S	3.5	6	7.5	9.5	13
T	6	6	8	10	12
U	6	8	10	12	15

■ Note:

1. The max. operating pressure and clamping force is dependent on the length of arm, it is possible to have leakage and damage if the torque is too large , please select proper length of arm and operating pressure according to the drawings of performance curve .
2. Please use speed control valve to avoid large torque.