PNEUMATIC PARALLEL GRIPPERS







DOUBLE ACTING WITH SENSOR SWITCH

DKHT



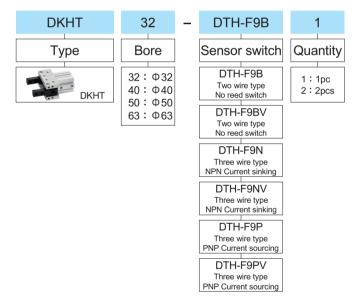
Features

- · All series with magnetic piston is standard acessory.
- · For large work pieces of the clamping.
- · Toggle mechanism design, it also can holding work piece when pressure out of control.
- · Sensor is attachable.

	DK	(HT							
Ф32 \ 40 \ 50 \ 63									
Filtered air with or without lubrication									
$1\sim 6.1~{ m kgf/cm^2}$									
+5 \sim +60 $^{\circ}$ C (No freezing)									
Ф32:-3° ~ 28°	Ф40:-3° ~ 27°	Ф50:-2° ~ 23°	Ф63:-2° ~ 23°						
Ф32: 12.4(126)	Ф40: 36(367)	Ф50:63(642)	Ф63:106(1081)						
Ф32:0.8 Ф40:1.09 Ф50:1.93 Ф63:2.8									
	Ф32: 12.4(126)		Filtered air with or without lubrication $1 \sim 6.1 \text{ kgf/cm}^2$ $+5 \sim +60 \text{ °C (No freezing)}$ $\Phi 32: -3^\circ \sim 28^\circ \Phi 40: -3^\circ \sim 27^\circ \Phi 50: -2^\circ \sim 23^\circ$ $\Phi 32: 12.4(126) \Phi 40: 36(367) \Phi 50: 63(642)$						

How to order

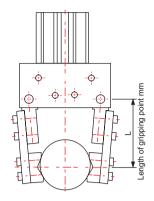
Specification





Clamping force

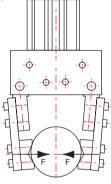
Clamping point of work piece use in range of clamping force diagrams.



Expression of clamping point

Clamping force in right diagram is curve expressed, two grippers and accessories all contact work piece and we using F to represent

trust of one gripper.





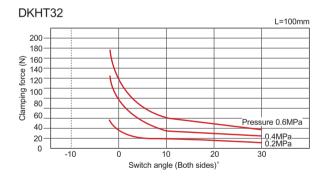
Caution

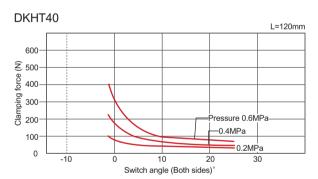
Specific product precautions

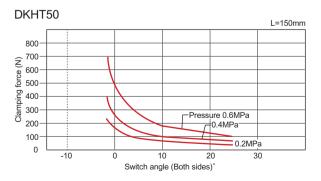
Before servicing this unit read this entire product information sheet.

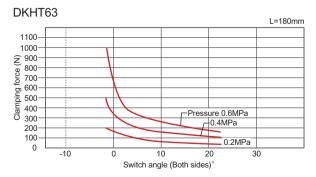
- 1. Please confirm and adjust clamping status when gripper and work piece do not fall to conduct.
- 2. When gripper holding, please confirm transport acceleration cause work piece deviate for regular.
- 3. If work piece is not clamping stable, it will be danger to make work piece deviate and fall down.

Check clamping force





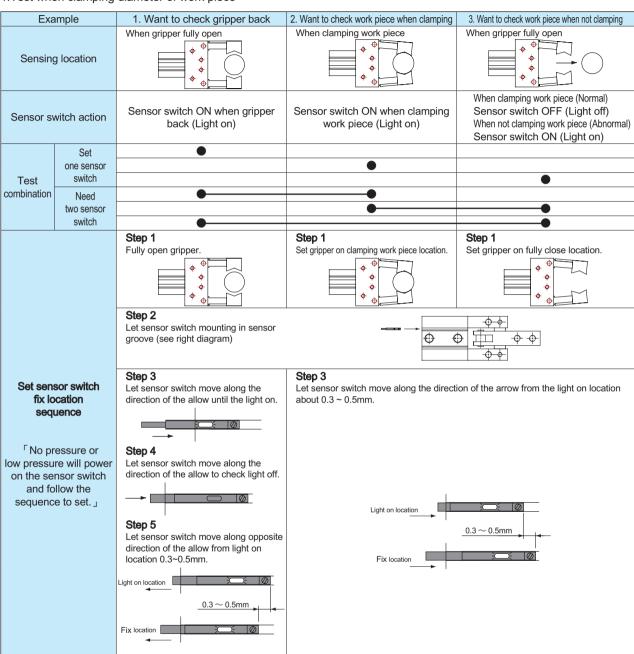






Sensor switch mounting and setting sensing position

1. Test when clamping diameter of work piece



- * Suggested clamping work piece near the gripper stroke center.
- When clamping work piece near the gripper switch stroke, differential induction of sensor switch will be limited on the test combination table.

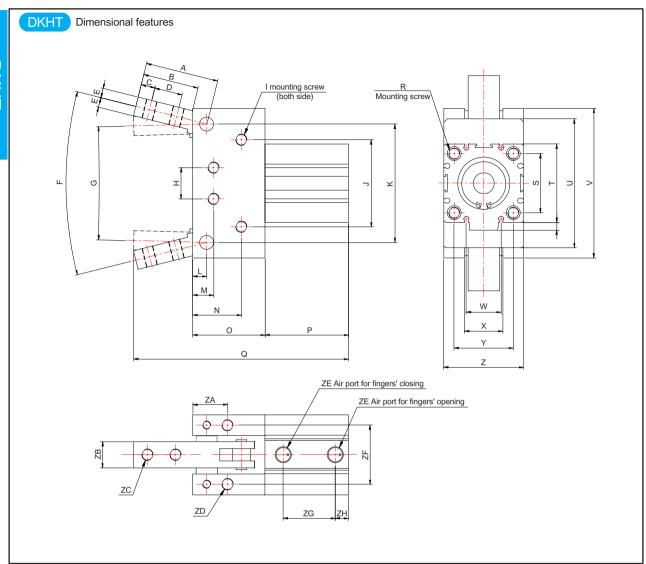


Sensor switch mounting and setting sensing position

2. When clamping diameter

2.Vitter damping diameter												
Exa	mple	1. Want to check gripper back	2. Want to check work piece when clamping	Want to check work piece when not clamping								
Sensing	location	When gripper fully open	When clamping work piece	When gripper fully open								
Sensor sw	vitch action	Sensor switch ON when gripper back (Light on)	Sensor switch ON when clamping work piece (Light on)	When clamping work piece (Normal) Sensor switch OFF (Light off) When not clamping work piece (Abnormal) Sensor switch ON (Light on)								
Test Set one sensor switch combination Need		•	•	•								
	two sensor		•	•								
	switch	•		•								
		Step 1 Fully open gripper. Step 2 Let sensor switch mounting in sensor groove (see right diagram)	Step 1 Set gripper on clamping work piece location.	Step 1 Set gripper on fully close location.								
Set sensor switch fix location sequence For No pressure or low pressure will power on the sensor switch and follow the sequence to set.		Step 3 Let sensor switch move along the direction of the allow until the light on. Light on location 0.3 ~ 0.5mm	Step 3 Let sensor switch move along the direction of the arrow from the light on local about 0.3 ~ 0.5mm. Step 4 Let sensor switch move along the direction of the allow to check light off. Step 5 Let sensor switch move along opposite direction of the allow from light on local 0.3~0.5mm. Light on location 0.3 ~ 0.5mm									

- X Suggested clamping work piece near the gripper stroke center.
- * When clamping work piece near the gripper switch stroke, differential induction of sensor switch will be limited on the test combination table.



Dimension table

Mark Bore	А	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S
Ф32	42	32	8	16	5.5	open 28°	open -3°	18	4-M6x1 deep 10	50	68	8	12	28	41.6	48	(123.6)	4-M6x1 deep 10	34±0.2
Ф40	48	37	10	18	7	open 27°	open -2.5°	24	4-M8x1.25 deep 12	60	74	8	12	28	42	54.5	(136.5)	4-M6x1 deep 10	40±0.2
Ф50	54	40	10	22	8	open 26°	open -2°	30	4-M10x1.5 deep 12	80	100	10	16	35	52.5	60.5	(157)	4-M8x1.25 deep 14	50±0.2
Ф63	60	45	11	24	10	open 32°	open -2°	36	4-M12x1.75 deep 17	90	104	10	17	35	53.2	66	(169.2)	4-M12x1.75 deep 17	60±0.2

Mark Bore	Т	T1	U	V	W	Х	Y	Z	ZA	ZB	ZC	ZD	ZE	ZF	ZH	ZG
Ф32	□ 45	4.5	74	86	20	22	34±0.2	46	20	15 -0.1	4-M6x1	4-M6x1 deep 15	Rc(PT)1/8	34	7.5	30
Ф40	□ 52	5	_	96	22	29	40±0.2	53	20	18 _8.1	4-M8x1.25	4-M8x1.25 deep 12	Rc(PT)1/8	40	8	35.5
Ф50	□ 64	7	110	124	27	36	50±0.2	66	25	20 -0.1	4-M10x1.5	4-M10x1.5 deep 12	Rc(PT)1/4	52	10.5	39.5
Ф63	□ 77	7	116	132	30	40	60±0.2	80	25	24 -0.1	4-M12x1.75	4-M12x1.75 deep 10	Rc(PT)1/4	60	10.5	40.5