Features

1. Compact design saves installation space.
2. Construction is simple and light due to linkage mechanism.
3. Fingers with tapped holes can attach any type of device to get the job done.
4. Magnetic piston is standard on all models.
5. Reed switches are available for indication of piston position.

How to order

VHR	20	TA-22	2
Series	Bore	Reed switch	Switch quantity

Bore
Ø16
Ø20
Ø32
Ø40

TA-11N
TA-11P
TA-22

※Please refer to 3 41.01 ·

Switch quantity	
1	1PC
2	2PCS

Specification

Series	VHR			
Action	Double acting, magnetic type			
Bore	Ø16	Ø20	Ø32	Ø40
Operating fluid	Compressed air			
Proof pressure	1MPa(10kgf/cm²)			
Operating pressure	0.34~0.7MPa(3.5~7kgf/cm²)		0.2~0.7MPa(2~7kgf/cm²)	0.1~0.7MPa(1~7kgf/cm²)
Piston speed range	50~100 mm/sec			
Temperature range	-10°C~ +70°C			
Lubrication	Not required (ISO VG32)			
Life cycle	5,000,000 cycle			
Repeatability accuracy	±0.03			
Max. Operating frequency	180 C.P.M.			
Weight	148g	151g	375g	470g

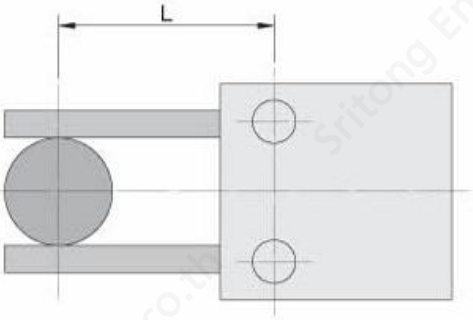
Gripping force diagram

Theoretical output $F = \frac{M}{L}$

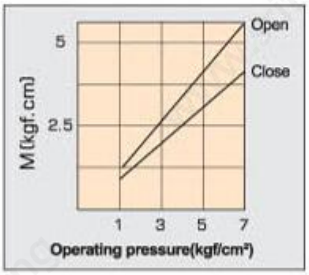
F(kgf) : Theoretical output

M(kgf • cm) : Moment

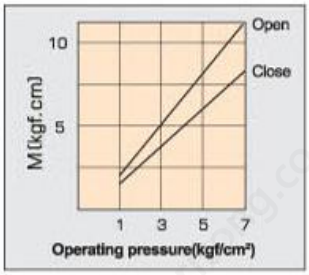
L(cm) : Distance from jaw pivot to gripping point



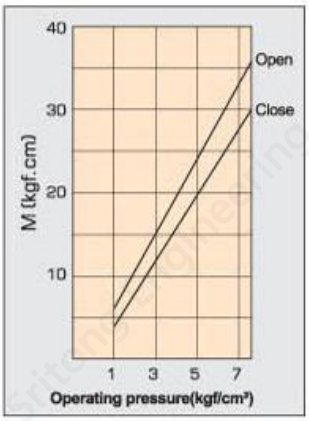
VHR16



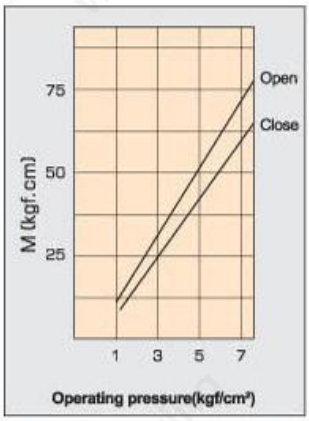
VHR20



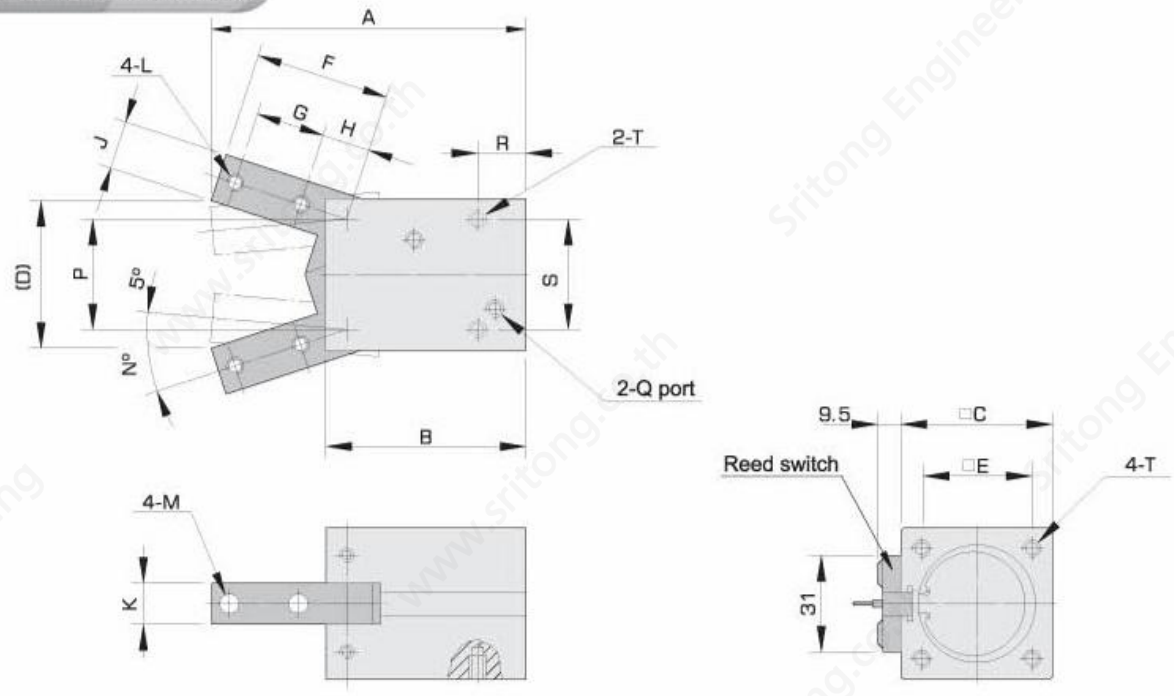
VHR32



VHR40



External dimensions



Model	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T
VHR16	72	48	32	30	24	29	10	14	8	8	M3X0.5	M4X0.7	18	20	M5X0.8	14	24	M4X0.7
VHR20	72	48	32	30	24	29	10	14	8	8	M3X0.5	M4X0.7	18	20	M5X0.8	14	24	M4X0.7
VHR32	96	58	44	42	32	43	20	18	14	12	M5X0.8	M6X1.0	15	32	M5X0.8	14	32	M5X0.8
VHR40	96	58	52	42	42	43	20	18	14	12	M5X0.8	M6X1.0	15	32	M5X0.8	14	42	M5X0.8