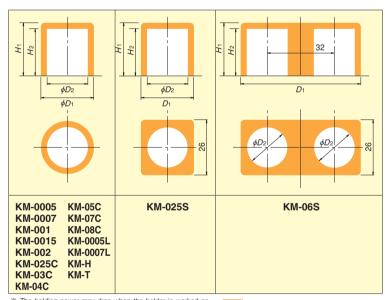
CHUCKS	ELECTROMAGNETIC
CONTROLLERS	CHUCK
MAG	PER

WANENT | PERMANENT CHUCKS | ELECTROMAGNETIC CHUCKS

26×60 ×25

List of	perm	anent mag	netic hold	ers			
Size	Height	OD "h" Tolerance	Plating	Painting	Peripheral Knurling	Stainless Steel Spec.	Heat-Resistance Spec.
	× 8	KM-0005					
φ 5	×13		KM-0005L				
φ 7	× 8	KM-0007					
φ 7	×13		KM-0007L				
	× 8		KM-0010H		KM-0010J	KM-0010H-SUS	
ϕ 10	×15	KM-H001	KM-001				
	×18		KM-T001				
φ15	×15	KM-H0015	KM-0015				
φισ	×18		KM-T0015				
φ18	× 8		KM-0018H		KM-0018J	KM-0018H-SUS	
4.00	×15	KM-H002	KM-002				
φ20	×18		KM-T002				
φ25	×10		KM-0025H		KM-0025J	KM-0025H-SUS	
4.06	×25	KM-H0025		KM-025C			
φ26	×30		KM-T0025				
φ30	×25			KM-03C			
φ30	×33		KM-T003				
φ40	×30			KM-04C			KM-T004T
φ50	×40			KM-05C			KM-T005T
φ70	×40			KM-07C			
φ80	×45			KM-08C			
26×26	×25			KM-025S			

KM-06S



** The holding power may drop when the holder is worked on additionally. In particular, additional work in the radial direction has large influence on the holding power and therefore, must be limited to a minimum necessary scope.

KM-0005L

area.....Additionally workable.

KM-0001

indicates the attractive face. KM-0005 KM-001 KM-0007

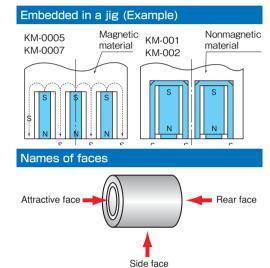
KM-0007L

[Application]

Can be used to hold down drawings, rules and paper patterns. The holders with a tapped hole on the back can be used widely by installing them on jigs. Can be incorporated in press dies. Can hold workpieces during wire cutting.

[Features]

- Six types of specifications; OD tolerance, plating, painting, peripheral knurling, stainless steel spec. and heat-resistance spec. are available for selection according to applications.
- ●By matching the OD "h" tolerance, the holders can be incorporated in dies.
- A tapped hole on the back makes the holders useful in various applications.



Upper limit of working temperature

The holding power drops as body temperature rises. The following types are available. The original holding power returns to the original level when the temperature drops to normal temperature.

■Type A (Alnico magnet used)

Superior in terms of temperature. The holding power as high as 85% can be maintained at 350°C when the holding power at 20°C is 100%. This type can be used up to 400°C intermittently for a short period of time.

■Type B (Samarium-cobalt type rare earth magnet used)

The holding power drops to about 95% at 100°C and to about 85% at 200°C when the holding power at 20°C is 100%. For continuous use, the upper limit is 150°C and for intermittent use for a short period of time, this type may be used up to 200°C.

■Type C (Neodymium rare earth magnet used)

The holding power drops to about 85% at 50°C and to about 70% at 100°C when the holding power at 20°C is 100%. The upper limit for continuous use is 100°C.



indicates the attractive face.







An example of application KM-0018J, etc.

These holders can be used to hold pieces cut out by wire cutting to prevent them from moving or falling from the securing area.

OD "h" tolerance specification

Model	Dimensions			Holding	Surface	Mounting Tapped	Workable Range				Upper Limit of Working	Tapping	Mass
	OD × Height	"h" tolerance	Height tolerance	Power	Treatment	Hole	D ₁	D ₂	H ₁	H ₂	Temp.		
KM-0005	$\phi 5 (0.19) h7 (0.27) \times 8 (0.31)$	-0.012		0.3N (0.03kgf)	None	None	5(0.19)	4.5(0.17)		_	Type B	Not allowed.	1.5g/0.003 lb
KM-0007	ϕ 7(0.27)h7(0.27) × 8(0.31)	0 -0.015		0.4N (0.04kgf)			7(0.27)	6.5(0.25)		_	Туре Б	Not allowed.	2.5g/0.005 lb
KM-H001	ϕ 10 (0.39) h9 (0.35) ×15 (0.59)	-0.036		8N (0.8kgf)			10(0.39)	9.5(0.37)				Prepared hole up to 3.0 deep on the rear face allowed.	11g/0.024 lb
KM-H0015	ϕ 15 (0.59) h9 (0.35) ×15 (0.59)	-0.043	0 -0.1	20N (2kgf)			15(0.59)	14(0.55)	15 (0.59)	12 (0.47)			20g/0.044 lb
KM-H002	ϕ 20 (0.78) h9 (0.35) ×15 (0.59)	-0.052		40N (4kgf)			20(0.78)	18(0.70)	(0.00)	(0.11)	Type A		40g/0.088 lb
KM-H0025	φ26 (1.02) h9 (0.35) ×25 (0.98)	0 -0.052		100N (10kgf)			26(1.02)	24(0.94)	25 (0.98)	21 (0.82)		Prepared hole up to 4.0 deep on the rear face allowed.	100g/0.222 lb

*The holding power is based on a test piece of SS400, 10 mm thick, ground surface. *The holding power may drop when the holder is worked on additionally. In particular, additional work in the radial direction has large influence on the holding power and therefore, must be limited to a minimum necessary scope.

Plating specification

[mm(in)]

[mm(in)]

N.A. alal	OD V Helela	OD V Height Holding		Surface	Mounting		Workabl	e Range		Upper Limit of	Tourism				
Model	OD × Height	Po	ower	Treatment	Tapped Hole	D ₁	D ₂	H ₁	H ₂	WorkingTemp.	Tapping	Mass			
KM-0005L	ϕ 5(0.19)×13(0.51)	1.8N	(0.18kgf)			_	_	13(0.51)	12(0.47)	Tuno A		2g/0.004 lb	į.		
KM-0007L	ϕ 7(0.27)×13(0.51)	4N	(0.4kgf)		None	7 (0.27)	6.5 (0.25)	13(0.51)	12(0.47)	Type A	Not allowed.	3.8g/0.008 lb	Ĺ		
KM-0010H	ϕ 10(0.39)×8 (0.31)	3N	(0.3kgf)			_	_	_	_	Type B		5g/0.011 lb	Ĺ		
KM-001	ϕ 10(0.39)×15(0.59)	- 8N	(0.8kgf)			10(0.39)	9.5(0.37)	15(0.59)			Prepared hole up to 3.0 deep on the rear face allowed.	11g/0.024 lb	Ĺ		
KM-T001	ϕ 10(0.39)×18(0.70)		(5161.61)		M5 (0.19) Depth5 (0.19) pitch0.8 (0.03)	10(0.59)	3.5(0.57)	18(0.70)	12(0.47)	Type A	Provided.	12g/0.026 lb	Ĺ		
KM-0015	ϕ 15(0.59)×15(0.59)	20N		(Okaf)	(2kgf)	(Okaf)	Nickle	None	15(0.59)	14(0.55)	15(0.59)	12(0.47)	Type A	Prepared hole up to 3.0 deep on the rear face allowed.	20g/0.044 lb
KM-T0015	ϕ 15(0.59)×18(0.70)	2011	(ZNGI)	plating	M5 (0.19) Depth5 (0.19) pitch0.8 (0.03)	15(0.59)	14(0.55)	18(0.70)			Provided.	23g/0.051 lb	i i		
KM-0018H	ϕ 18(0.70)×8 (0.31)	50N	(5kgf)	piating	None	_	_	_	_	Type B	Not allowed.	16g/0.035 lb	i		
KM-002	ϕ 20(0.78)×15(0.59)	40N	(4kgf)		None	20 (0.78)	18(0.70)	15(0.59)	12(0.47)	Type A	Prepared hole up to 3.0 deep on the rear face allowed.	40g/0.088 lb	i.		
KM-T002	ϕ 20(0.78)×18(0.70)	4011	(4KgI)		M5 (0.19) Depth5 (0.19) pitch0.8 (0.03)	20(0.76)	18(0.70)	18(0.70)	12(0.47)	Type A	Provided.	45g/0.100 lb			
KM-0025H	ϕ 25(0.98)×10(0.39)	90N	(9kgf)		None	_	_	_	_	Type B	Not allowed.	38g/0.083 lb			
KM-T0025	φ26(1.02) ×30(1.18)	100N	(10kgf)		M6 (0.23) Depth10 (0.39) pitch1.0 (0.03)	26 (1.02)	24 (0.94)	30(1.18)	21 (0.82)	Type A	Provided.	120g/0.266 lb	ĺ		
KM-T003	φ30(1.18) ×33(1.29)	150N	(15kgf)		M6 (0.23) Depth8 (0.31) pitch1.0 (0.03)	30 (1.18)	27(1.06)	33(1.29)	28(1.10)	Type A	FTOVIded.	180g/0.400 lb	Ĺ		

**The holding power is based on a test piece of SS400, 10 mm thick, ground surface. **The holding power may drop when the holder is worked on additionally. In particular, additional work in the radial direction has large influence on the holding power and therefore, must be limited to a minimum necessary scope.

Peripheral knurling specification

[mm (in)]

Model	OD × Height	Holding Power	Surface Treatment	Mounting Tapped Hole	Upper Limit of Working Temp.	Feature	Mass
KM-0010J	ϕ 10(0.39)×8(0.31)	3N (0.3kgf)					5g/0.011 lb
KM-0018J	φ18(0.70) ×8(0.31)	50N (5kgf)	Nickle plating	None	Туре В	Peripheral knurling	16g/0.035 lb
KM-0025J	φ25 (0.98) ×10 (0.39)	90N (9kgf)	1				38g/0.083 lb

[%]The holding power is based on a test piece of SS400, 10 mm thick, ground surface.

First in the industry! Stainless steel to resist rusting.

indicates the attractive face.



KM-0010H-SUS







Working up to 0.5 mm allowed on the attractive face.

Stainless steel specification

Model	OD × Height	Holding Power	Surface Treatment	Mounting Tapped Hole	Upper Limit of Working Temp.	Tapping	Mass					
KM-0010H-SUS	$\phi 10(0.39) \times 8(0.31)$	3N (0.3kgf)					5g/0.011 lb					
KM-0018H-SUS	ϕ 18(0.70) ×8(0.31)	50N (5kgf)	None	None	Туре В	Not allowed.	16g/0.035 lb					
KM-0025H-SUS	$\phi 25(0.98) \times 10(0.39)$	90N (9kgf)					38g/0.083 lb					

Model KM PERMANENT MAGNETIC HOLDER



■Painting specification

- raiii	rainting specification [mm(in)]											
Model	OD × Height	Holding	Surface	Mounting		Workabl	e Range		Upper Limit of	Tapping	Mass	
Wodel	OB A Height	Power	Treatment	Tapped Hole	D1	D2	H1	H2	Working Temp.	гаррпів	IVIGOS	
KM-025C	φ26(1.02) ×25(0.98)	100N(10kgf)		M 6(0.23),depth 8(0.31)	26(1.02)	25 (0.98)	25 (0.98)	17(0.66)			90g/0.19 lb	
KM-03C	ϕ 30 (1.18) ×25 (0.98)	150N(15kgf)		pitch1.0(0.03)	30 (1.18)	27(1.06)	25(0.96)	17 (0.00)			121g/0.26 lb	
KM-04C	$\phi 40(1.57) \times 30(1.18)$	300N(30kgf)		M 8(0.31),depth 12(0.47) pitch1.25(0.04)	40 (1.57)	36(1.41)	30(1.18)	20(0.78)	Type C (See page 79)		260g/0.57 lb	
KM-05C	φ50 (1.96) ×40 (1.57)	500N(50kgf)			50 (1.96)	46(1.81)		27(1.06)			545g/1.20 lb	
KM-07C	ϕ 70 (2.75) × 40 (1.57)	700N(70kgf)	Painting	M12(0.47),depth 15(0.59) pitch1.75(0.06)	70 (2.75)	60 (2.36)	40 (1.57)				1000g/2.20 lb	
KM-08C	$\phi 80 (3.14) \times 45 (1.77)$	1000N (100kgf)		M12(0.47),depth 18(0.70) pitch1.75(0.06)	80 (3.14)	66 (2.59)	45(1.77)				1600g/3.52 lb	
KM-025S	26(1.02) ×26(1.02) ×25(0.98)	100N(10kgf)		None	26(1.02)		8) 25 (0.98)			Prepared hole up to 11 deep on the rear face allowed.	118g/0.26 lb	
KM-06S	26(1.02)×60(2.36)×25(0.98)	200N(20kgf)		M6 (0.23) ,depth 10 (0.39)	60 (2.36)	25 (0.98)				Provided	275g/0.60 lb	

*The holding power is based on a test piece of SS400, 10 mm thick, ground surface

Model **KM-T-T**

HEAT-RESISTANT PERMANENT MAGNETIC HOLDER

indicates the attractive face.



A heat-resistant type introduced to permanent magnetic holders!

[Application]

Most suitable as a securing fixture in workplaces where heat is generated such as ship building and welding sites. These holders can also be used to hold down drawings, rulers and small parts.

[Features]

- ●Heat resistance up to 350°C
- The tapped hole provided on the back widens a scope of use by assembling these holders to fixtures.
 [mm(in)]

Model	0D×Height	Holding Power	Surface Treatment	ace Treatment Mounting Tapped Hole		Tapping	Mass
KM-T004T	$\phi 40(1.57) \times 40(1.57)$	300N(30kgf)	Painting	M8(0.31) depth10(0.39)	Max. 350°C	Provided.	0.4kg/0.88 lb
KM-T005T	φ50 (1.96) ×45 (1.77)	500N(50kgf)	Pairiting	pitch1.25(0.04)	Max. 350 C	Provided.	0.67kg/1.47 lb

*The holding power is based on a test piece of SS400, 10 mm thick, ground surface.

Model KM-RB HEXAGONAL PERMANENT MAGNETIC HOLDER (WITH MALE THREAD)

Model KM-RT HEXAGONAL PERMANENT MAGNETIC HOLDER (WITH PLATE)



[Application]

Used as a jig. Used for operations of conveying light weight workpieces in lines, etc. [Features]

- •The tip of the permanent magnetic holder is threaded, which enables the holder to be mounted in any place easily.
- be mounted in any place easily.
 When used in combination with the included plate, the holder can be mounted in places where a tapped hole cannot be made. (Model KM-RT)
- •Since this holder has been nickel plated, it can be used under various circumstances.

Model	Holding Power	Mass	Model	Hol
KM-RB10	10N (1kgf)	5g/0.011 lb	KM-RT10	1
KM-RB14	40N (4kgf)	10g/0.022 lb	KM-RT14	4

 Model
 Holding Power
 Mass

 KM-RT10
 10N (1kgf)
 10g/0.022 lb

 KM-RT14
 40N (4kgf)
 18g/0.039 lb

*The holding power is based on a test piece of SS400, 10 mm thick, ground surface.