

- Coil-type inserts and special surface treatment specifications are also available. Please contact our customer service.



## Application


Reinforcement/repair of female threading  
Equipment and device structures / General industrial machines

- A keyed female-thread reinforcing insert.
- The key mechanically locks the rotation so there is no risk of it falling out.
- With high strength compared to coil-type inserts, it is usable for firm fastening or in areas where bolts are frequently fastened and removed.
- It is ideal for reinforcing female threading in light metals such as aluminum, castings, resin etc., as well as for repairing damaged female threading.
- Mounting is even easier than with coil-type inserts. Use the dedicated tool **SKK**.

## Material/Finish



	SHINS
Main Body	SUS303
Key	SUS302

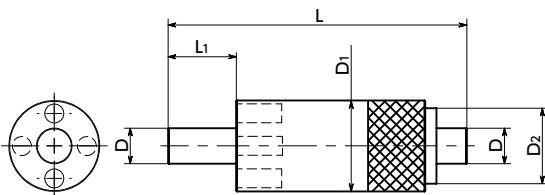
Unit : mm												
Part Number 	M			M1			L	Key Quantity	Dedicated Mounting Tool	Removal		Mass (g)
	Nominal of Thread	Pitch		Nominal of Thread	Pitch					Drill Diameter	Depth	
SHINS-M4-M8	M4	0.7	Coarse	M4	0.7	Coarse	8	2	SKK-45	5.5	4	1.8
SHINS-M5-M8	M5	0.8	Coarse	M5	0.8	Coarse	8	2	SKK-45	5.5	4	1.4
SHINS-M6-M10	M6	1	Coarse	M6	1	Fine	10	2	SKK-6	7.5	5	3.1
SHINS-M8-M12	M8	1.25	Coarse	M8	1.25	Fine	12	4	SKK-8	9.5	5	4.8
SHINS-M10-M14	M10	1.5	Coarse	M10	1.5	Fine	14	4	SKK-10	11.5	5	6.7
SHINS-M12-M16	M12	1.75	Coarse	M12	1.75	Fine	16	4	SKK-12	13.5	5	8.9

Unit : mm

## Dedicated Mounting Tool

Part Number	Applicable Insert	D	D1	D2	L	L1	Mass(g)
SKK-45	SHINS-M4 - M8 SHINS-M5 - M8	3	12	8	35.5	6	23
SKK-6	SHINS-M6 - M10	4.7	12	10	39.5	9	25
SKK-8	SHINS-M8 - M12	6.3	15	12	42	10	39
SKK-10	SHINS-M10 - M14	8.1	16	14	42	10	47
SKK-12	SHINS-M12 - M16	9.9	20	16	46	12	75

Unit : mm



## Mounting

- Set the key in the dedicated mounting tool hole, and screw the insert into the female thread. **Diagram 1**
- Remove the key from the dedicated tool hole. With the key in contact with the dedicated tool end face, drive in the key using a hand press or hammer. **Diagram 2**
- When projection of the key is a concern, the key can be pushed in beyond the chamfered portion by reversing the dedicated tool and driving the key in using the knurled end face. **Diagram 3**

Diagram 1

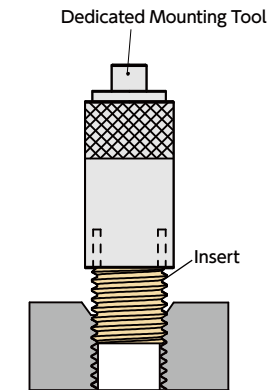


Diagram 2

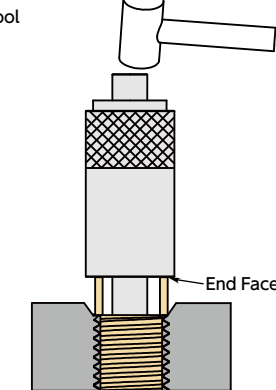
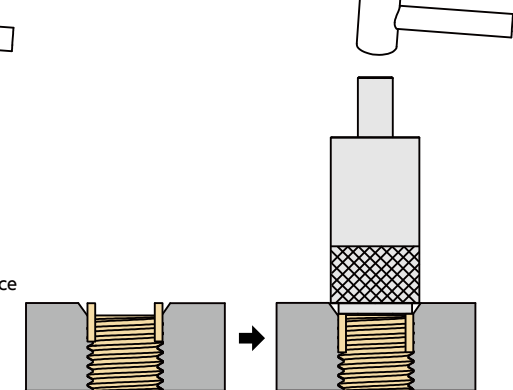


Diagram 3



## Removal

- Machine to the depth specified in the dimension table, using the specified drill size. **Diagram 1**
- Tip the key over in the hole, break it, and remove it. **Diagram 2**
- Remove the insert using a commercially available bolt remover or similar. **Diagram 3**
- Mount a new insert following the mounting method. **Diagram 4**

Diagram 1

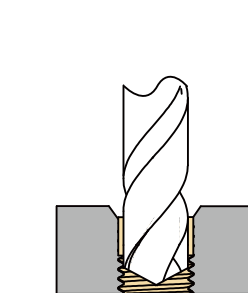


Diagram 2

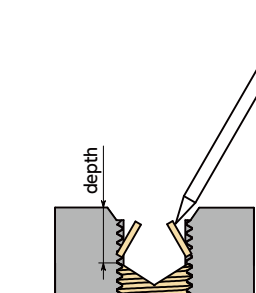


Diagram 3

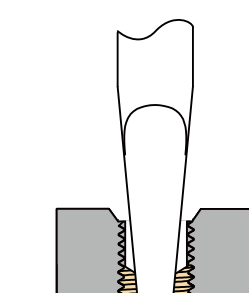
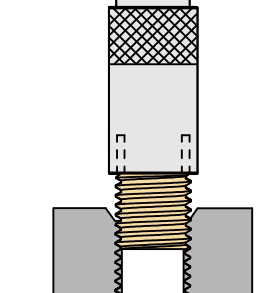


Diagram 4



## Part number specification

**SHINS-M6-M10** Keyed Female-Thread Reinforcing Insert

1

**SKK-45**

Dedicated Mounting Tool

2