Note that, for some of the types shown here, order might be unable to be received by the MISUMI Indonesia offices.

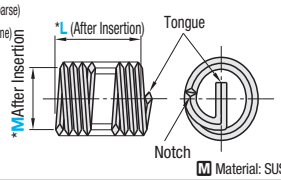
Threaded Inserts / Tools for Inserts

When large quantities are needed, box package sales is more economical. P.274

Threaded Inserts

RoHS10

HLTS (Coarse)
HLSS (Fine)



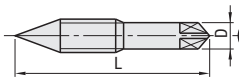
M Material: SUS304

Taps for Threaded Inserts

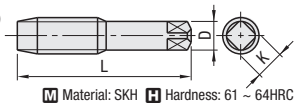
RoHS10

Coarse	Fine	Finish
HLTX	HLSX	Coarse Tapping
HLTY	HLSY	Medium Tapping
HLTZ	HLSZ	Finish Tapping

(M3~5)



(M6 or More)

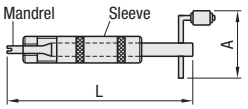


M Material: SKH H Hardness: 61 ~ 64HRC

Threaded Insert Installation Tools

RoHS10

HLTP

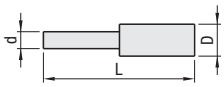


No.	M Material		S Surface Treatment
	Sleeve	Mandrel	
3~6	PPS	SCM435	Black Oxide (for SCM435 part)
8~16	SCM435		

Threaded Insert Tang Break-Off Tools

RoHS10

HLTB

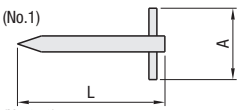


M Material: SCM435
S Surface Treatment: Black Oxide

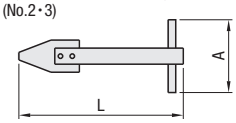
Threaded Insert Removal Tools

RoHS10

HLTN (No.1)



HLTN (No.2・3)

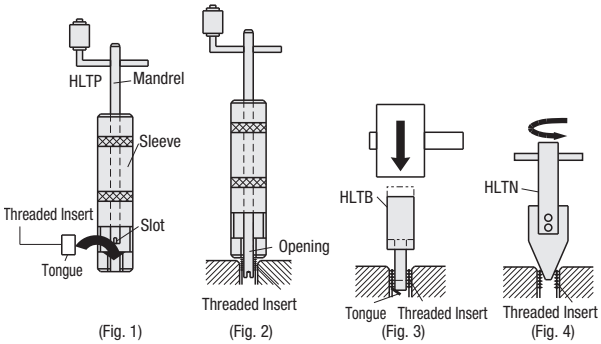


M Material: S45C S Surface Treatment: Black Oxide

Ordering Example

Part Number	-	L	-	Pitch
HLTS3	-	4.5		
HLTX5				
HLSS10	-	15	-	1.25
HLSX	-	8	-	1.0

How to Handle Threaded Inserts



1. Drill a pilot hole in the workpiece within the appropriate limit of tap pilot hole diameters shown in the above table.
   (Hole Depth > Length after Insertion +2.5xP (Pitch))
2. Tap with "Taps for Threaded Inserts" (Coarse, Medium, Finish Tapping in that order), and completely remove metal chips.
3. Insert Threaded Inserts to tip of sleeve of the Insert Tool (with tang on the tip side), and clip on the tang at the mandrel slot (Fig. 1). Turn the handle and insert Threaded Insert into the guide of thread part on the tool tip. Set it so that the threaded insert does not protrude more than the sleeve tip (leaving 1 or 2 pitches).
4. Turn the handle to install Threaded Inserts by positioning the insert tool perpendicular to the work (Fig. 2). Check the insertion condition from the opening of the sleeve tip. Remove the tool from the work when insertion is complete.
   *Inserting while pressing the handle hard in the insertion direction causes damages such as skipped threads. Always turn the handle lightly in the horizontal direction. Do not reverse the rotation during the insertion as that will cause damages.
5. After the insertion is complete, insert the tang break-off tool, and break off the tang from the notch by striking the head sharply with a hammer (Fig. 3).
6. When removing Threaded Inserts, press an Insert Removal Tool onto the insert, and slowly turn counterclockwise to remove it (Fig. 4). When reinserting the Thread Insert into the removed hole, use special tap again before inserting.

Threaded Inserts

Part Number Type	*M	* (L) After Insertion			Pitch	Tap Pilot Hole Dia. (Reference)	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10~19	20~49	50~100
HLTS (Coarse)	3	3	4.5	6	0.5	3.11~3.20				
	4	4	6	8	0.7	4.16~4.29				
	5	5	7.5	10	0.8	5.18~5.33				
	6	6	9	12	1.0	6.22~6.40				
	8	8	12	16	1.25	8.28~8.48				
	10	10	15	20	1.5	10.33~10.56				
	12	12	18	24	1.75	12.38~12.64				
	16	16	24	32	2.0	16.44~16.73				

For orders larger than indicated quantity, please check with WOS.

Part Number Type	*M	* (L) After Insertion			Pitch	Tap Pilot Hole Dia. (Reference)	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10~19	20~49	50~100
HLSS (Fine)	8	8	16	24	1.0	8.28~8.48				
	10	10	15		1.0	10.33~10.56				
		10	15	20	1.25					
	12	12	18		1.25	12.38~12.64				
		12		24	1.5					

* M and L are sizes when inserted into tapped holes.

For orders larger than indicated quantity, please check with WOS.

L dimension before insertion is shorter than that after the insertion.

Taps for Threaded Inserts

Part Number Type	No.	Applicable Threaded Insert M	L	D	K	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10~20
HLTX HLTY HLTZ (Coarse)	3	3	55	5	4		
	4	4	61	5.5	4.5		
	5	5	67	6			
	6	6	65	6.2	5		
	8	8	75	7	5.5		
	10	10	82	8.5	6.5		
	12	12	88	10.5	8		
	16	16	105	14	11		

For orders larger than indicated quantity, please check with WOS.

Part Number Type	No.	Pitch	L	D	K	Unit Price 1~9 pc(s).	Volume Discount Rate 10~20
HLSX HLSY HLSZ (Fine)	8	1.0	75	7	5.5		
	10	1.0 1.25	82	8.5	6.5		
	12	1.25 1.5	88	10.5	8		

For orders larger than indicated quantity, please check with WOS.

Threaded Insert Installation Tools

Part Number Type	No.	Applicable Threaded Insert M	L	A	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10~20
HLTP	3	3	150	80		
	4	4				
	5	5				
	6	6	165	103		
	8	8	175			
	10	10	180			
	12	12	200	124		
	16	16	210			

For orders larger than indicated quantity, please check with WOS.

Tang Break-Off Tools

Part Number Type	No.	Applicable Threaded Insert M	L	D	d	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10~20
HLTB	3	3	100	6	1.8		
	4	4			2.6		
	5	5		9	3.5		
	6	6		10	4.2		
	8	8		12	5.5		
	10	10	110	14	7.5		
	12	12	115	16	8.5		
	16	16	114	20	12		

For orders larger than indicated quantity, please check with WOS.

Threaded Insert Removal Tools

Part Number Type	No.	Applicable Threaded Insert M	L	A	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10~20
HLTN	1	3・4・5	92	60		
	2	6・8・10	109	75		
	3	12・16	117	100		

For orders larger than indicated quantity, please check with WOS.