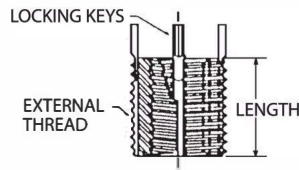


# KEY INSERTS – THINWALL

BODY: 1215 STEEL, BLACK OXIDE FINISH OR DRY LUBE, OR 303 STAINLESS STEEL.  
KEYS: 302 STAINLESS STEEL



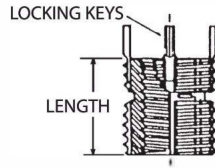
**Thinwall —  
Steel and  
Stainless Steel**



Thinwall Key Inserts have a smaller OD thread size than standard heavy-duty inserts, ideal for tight spaces where less pull-out strength is acceptable. Key Inserts are ideal for thread reinforcement, especially when the mating stud or bolt will be removed frequently. These stainless inserts provide strong, permanent stainless steel threads in any parent material, ferrous, non-ferrous, or non-metallic. Key Inserts are also well suited for quick repair of stripped, damaged, or worn threads. Locking keys positively prevent the insert from rotating.



**Thinwall —  
Stainless Steel  
Internal-Thread  
Locking**



Stainless Key Inserts are optionally available with “Internal Thread Locking,” which uses a modified internal thread to prevent the installed bolt or stud from rotating. This feature is useful for one-time, permanent installations.

See Technical Information at the beginning of this section for complete installation steps. Key Inserts are installed with standard drills and taps. Important: Use exactly the tap-drill size specified in the tables (slightly larger than the standard tap drill for that thread size). Locking keys are driven down into the parent material during installation, providing a positive mechanical lock against rotation. See tables for optional installation tools.

## THINWALL, STEEL (METRIC)

PART NO.	INTERNAL THREAD	INTERNAL THREAD PITCH (mm)	EXTERNAL THREAD	EXTERNAL THREAD PITCH (mm)	LENGTH (mm)	SHEAR ENGAGEMENT AREA (sq mm)
CLM-58-KSM	M5	.8	M8	1.25	8	105
CLM-61-KSM	M6	1	M10x1.25		10	177
CLM-8125-KSM	M8	1.25	M12x1.25		12	266
CLM-81-KSM	M8x1	1				
CLM-1015-KSM	M10	1.5	M14x1.5	1.5	14	342
CLM-10125-KSM	M10x1.25	1.25				
CLM-12175-KSM	M12	1.75			16	470
CLM-12125-KSM	M12x1.25	1.25	M16x1.5			

## THINWALL, STAINLESS STEEL (METRIC)

CLM-58-SKS	M5	.8	M8	1.25	8	105
CLM-61-SKS	M6	1	M10x1.25		10	177
CLM-8125-SKS	M8	1.25	M12x1.25		12	266
CLM-81-SKS	M8x1	1				
CLM-1015-SKS	M10	1.5	M14x1.5	1.5	14	342
CLM-10125-SKS	M10x1.25	1.25				
CLM-12175-SKS	M12	1.75			16	470
CLM-12125-SKS	M12x1.25	1.25	M16x1.5			