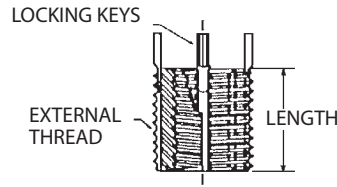


KEY INSERTS – HEAVY DUTY

BODY: 303 STAINLESS STEEL. KEYS: 302 STAINLESS STEEL



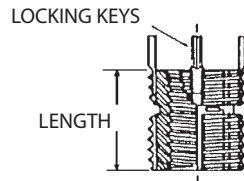
**Heavy Duty –
Stainless Steel**



Stainless steel version of our general-purpose threaded inserts with a thick, heavy-duty thread wall. 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.



**Heavy Duty –
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.

KEY INSERTS — HEAVY DUTY, STAINLESS STEEL (INCH)

PART NO.	INTERNAL THREAD	EXTERNAL THREAD	LENGTH	SHEAR ENGAGEMENT AREA (sq in)	MS EQUIVALENT	NAS EQUIVALENT
CL-1024-SKS	#10-24	3/8-16	.31	.190	MS 51831-101	—
CL-1032-SKS	#10-32				MS 51831-201	NAS 1395C3
CL-1420-SKS	1/4-20	7/16-14	.37	.284	MS 51831-102	—
CL-1428-SKS	1-4/28				MS 51831-202	NAS 1395C4
CL-51618-SKS	5/16-18	1/2-13	.43	.359	MS 51831-103	—
CL-51624-SKS	5/16-24				MS 51831-203	NAS 1395C5
CL-3816-SKS	3/8-16	9/16-12	.50	.498	MS 51831-104	—
CL-3824-SKS	3/8-24				MS 51831-204	NAS 1395C6
CL-1213-SKS	1/2-13	3/4-16	.62	1.057	—	—
CL-1220-SKS	1/2-20				—	—
CL-5811-SKS	5/8-11	7/8-14	.87	1.487	MS 51831-108	—
CL-3410-SKS	3/4-10	1-1/8"-12	1.12	2.490	MS 51831-109	—

KEY INSERTS — HEAVY DUTY, STAINLESS 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-SKSM	M5	.8	M10x1.25	1.25	10	177
CLM-61-SKSM	M6	1	M12x1.25		12	266
CLM-8125-SKSM	M8	1.25	M14x1.5	1.5	14	342
CLM-81-SKSM	M8x1	1			16	470
CLM-1015-SKSM	M10	1.5	M16x1.5	1.5	16	470
CLM-10125-SKSM	M10x1.25	1.25			18	529
CLM-12175-SKSM	M12	1.75	M18x1.5	1.5	18	529
CLM-12125-SKSM	M12x1.25	1.25			22	897
CLM-162-SKS	M16	2	M22x1.5	2	22	897
CLM-2025-SKS	M20	2.5	M30x2		30	1770
CLM-243-SKS	M24	3	M33x2	2	33	2150