

GRADE 9 HEX CAP SCREWS - NOW AVAILABLE

SPECIFICATION REQUIREMENTS:

- Dimensions: ASME B18.2.1* (Exception: 25% higher head height)
- Material: AISI 8640/8740 Medium Carbon Alloy Steel
- Manufacturing, Workmanship & Sampling: ASTM A574
- Thread Requirements: ASME B1.1 UNRC & UNRF Class 2A before coating
- Head marking: H-K, G9, nine equally spaced radial lines in the circular indent
- Decarburization: ASTM F2328
- Discontinuities: ASTM F788
- Mechanical Properties: Appropriate to ASTM F606** (Exceptions: see below for test wedge angles)

Full Size Parts:

- Wedge Tensile: 180,000 psi min.
- Body Length > 2x dia. from the head = 6° wedge on bolts 1/4" - 3/4"
- Body Length > 2x dia. from the head = 4° wedge on bolts 7/8" - 1"
- Body Length < 2x dia. from the head = 4° wedge on bolts 1/4" - 1"
- Proof Load: 140,650 psi min.
- Hardness: 38-42 HRC

Test Specimens:

- Tensile: 180,000 psi min.
- Yield: 159,500 psi min.
- Elongation: 10% Minimum
- Reduction of Area: 35% Minimum
- Hardness: 38-42 HRC



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G9

CRITICAL APPLICATION FASTENERS



WHEN FAILURE IS NOT AN OPTION

TOUGH GETS TOUGHER

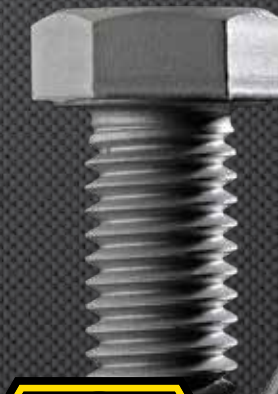
HOLO-KROME introduces its lineup of **MADE IN THE USA** Grade 9 products. Heavy machinery and equipment are often subject to some of the harshest conditions, both environmental and fatigue. Not only are these pieces of equipment designed to withstand these conditions, the fasteners used in assembly should be of equal strength. HOLO-KROME prides itself in manufacturing a line of world-class, **100% domestically manufactured**, Grade 9 Hex Cap Screws, completely capable of out-performing the competition.

PRODUCT SPECIFICATIONS:

- 180,000psi tensile (similar to ASTM A574)
- 1000-hour EcoGuard™ Coating
- Consistent Torque-Tension Relationship
- No risk of hydrogen embrittlement
- 1-to-1 replacement for current offering with improved corrosion resistance performance
- Holo-Krome Quality
- Full Stocking Product Line offering (10 diameters standard, 265 skus)
- DFARS Compliant / 100% USA Melt
- RoHS, ELV and REACH Compliant

TARGET INDUSTRIES & APPLICATIONS:

- Construction
- Forestry
- Transportation
- Agriculture
- Machine Builders
- Foundries
- Underground Earth Moving Equipment
- Cranes & Rigging
- Highway Signage
- Wastewater Processing Plants



CELEBRATING 90 YEARS OF QUALITY

HOLO-KROME® has been at the forefront of fastener innovation since our founding in 1929. Over the years, we've pioneered cold-forging techniques that result in products virtually free of bursts, cracks, tears and fractures, offering superior holding strength and fatigue resistance.

Today, our tradition of quality continues at our 200,000 square-foot facility in Wallingford, Connecticut, where we manufacture more than 100 million parts a year, each one proudly made in the USA. With state-of-the-art cold heading and heat treatment equipment, unmatched product traceability through our HOLO-CODE head markings (specific to SHCS), and experienced operators who "own" their production jobs from raw material to shipped product, HOLO-KROME remains the fastener of choice for manufacturing processes, heavy equipment and safety-critical applications – *when failure is not an option.*



www.linkedin.com/company/holo-krome

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HOLO-KROME®

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GRADE 9 HEX CAPS

ECOGUARD™ | ASME B18.2.1* | H-K GRADE 9 | 8640/8740 ALLOY STEEL

		DIAMETER									
		1/4"		5/16"		3/8"		7/16"		1/2"	
LENGTH	THREAD	UNRC 20	UNRF 28	UNRC 18	UNRF 24	UNRC 16	UNRF 24	UNRC 14	UNRF 20	UNRC 13	UNRF 20
	1/2		11540767	11540936	11540777	11540722	11540788				
5/8											
3/4		11540768	11540937	11540778	11540944	11540789	11540952	11540803		11540815	
7/8											
1		11540769	11540938	11540779	11540945	11540790	11540953	11540804	11540963	11540816	11540971
1-1/4		11540770	11540939	11540780	11540946	11540791	11540954	11540805	11540964	11540817	11540972
1-1/2		11540771	11540940	11540781	11540947	11540792	11540955	11540806	11540965	11540818	11540973
1-3/4		11540772	11540721	11540782	11540948	11540793	11540956	11540807	11540966	11540819	11540974
2		11540773	11540941	11540783	11540949	11540794	11540957	11540808	11540967	11540820	11540975
2-1/4		11540732		11540736		11540795	11540958	11540742		11540821	11540976
2-1/2		11540775	11540942	11540784	11540950	11540796	11540959	11540809	11540968	11540822	11540977
2-3/4		11540733		11540737		11540739		11540743		11540746	
3		11540775	11540943	11540785	11540951	11540797	11540960	11540810	11540969	11540823	11540978
3-1/4		11540734		11540738		11540740				11540747	
3-1/2		11540735		11540786		11540798	11540961	11540811	11540970	11540824	11540979
3-3/4											
4		11540776		11540787		11540799	11540962	11540812		11540825	11540980
4-1/4											
4-1/2						11540800		11540744		11540826	11540723
4-3/4											
5						11540801		11540813		11540827	11540981
5-1/4											
5-1/2						11540741		11540745		11540748	
5-3/4											
6						11540802		11540814		11540828	11540982
6-1/4											
6-1/2											
7										11540829	11540983
8										11540830	11540984
9											
10											
11											
12											

GRADE 9 HEX CAPS

ECOGUARD™ | ASME B18.2.1* | H-K GRADE 9 | 8640/8740 ALLOY STEEL

		DIAMETER									
		9/16"		5/8"		3/4"		7/8"		1"	
LENGTH	THREAD	UNRC 12	UNRF 18	UNRC 11	UNRF 18	UNRC 10	UNRF 16	UNRC 9	UNRF 14	UNRC 8	UNRF 12
	1/2										
5/8											
3/4											
7/8											
1		11540831		11540839	11540991						
1-1/4		11540749		11540840	11540725	11540859					
1-1/2		11540832	11540985	11540841	11540992	11541081	11541008	11540754		11540758	
1-3/4		11540750		11540842	11540993	11540860	11541009	11540755		11540759	
2		11540833	11540986	11540843	11540994	11540861	11541010	11540878	11541026	11540893	
2-1/4		11540751		11540844	11540995	11540862	11541011	11540756		11540760	
2-1/2		11540834	11540987	11540845	11540996	11540863	11541012	11540879	11541027	11540894	11541041
2-3/4		11540752		11540846	11540997	11540864	11541013	11540757		11540761	
3		11540835	11540988	11540847	11540998	11540865	11541014	11540880	11541028	11540895	11541042
3-1/4											
3-1/2		11540836	11540989	11540878	11540999	11540866	11541015	11540881	11541029	11540896	11541043
3-3/4											
4		11540837	11540990	11540849	11541000	11540867	11541016	11540882	11541030	11540897	11541044
4-1/4											
4-1/2		11540753		11540850	11541001	11540868	11541017	11540883	11541031	11540898	11541045
4-3/4											
5		11540838		11540851	11541002	11540869	11541018	11540884	11541032	11540899	11541046
5-1/4											
5-1/2				11540852	11541003	11540870	11541019	11540885	11541033	11540900	11541047
5-3/4											
6				11540853	11541004	11540871	11541020	11540886	11541034	11540901	11541048
6-1/4											
6-1/2											
7				11540854	11541005	11540872	11541021	11540887	11541035	11540902	11541049
8				11540855	11541006	1154073	11541022	11540888	11541036	11540903	11541050
9				11540856	11541007	1154074	11541023	11540889	11541037	11540904	11541051
10				11540857		1154075	11541024	11540890	11541038	11540905	11541052
11				11540858		1154076	11541025	11540891	11541039	11540906	11541053
12				11540859		1154077	11540726	11540892	11541040	11540907	11541054

Size combinations not listed with SKUs can be manufactured. Please contact rfq@holo-krome.com for quote.