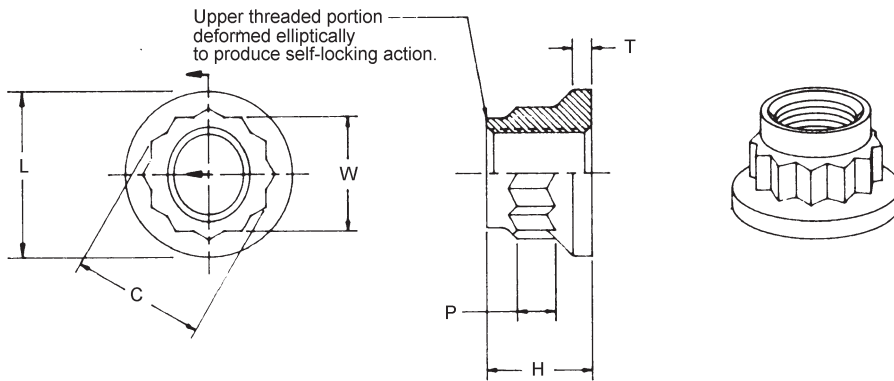


H20 12-Point Nut Series Specifications

220 ksi strength; same as BACN10HR



MATERIAL: Alloy steel, heat treated

FINISH: Cadmium plated per Fed. Spec. QQ-P-416, Type II plating. Kaylube molybdenum disulfide dry lubricant coated after plating.

PROCUREMENT SPEC: MIL-N-25027, except for axial tensile strength, as tabulated, is equivalent to 220,000 psi, at the pitch of the diameter, and will be obtained when tested on bolts or screws having a minimum tensile strength of 240,000 psi.

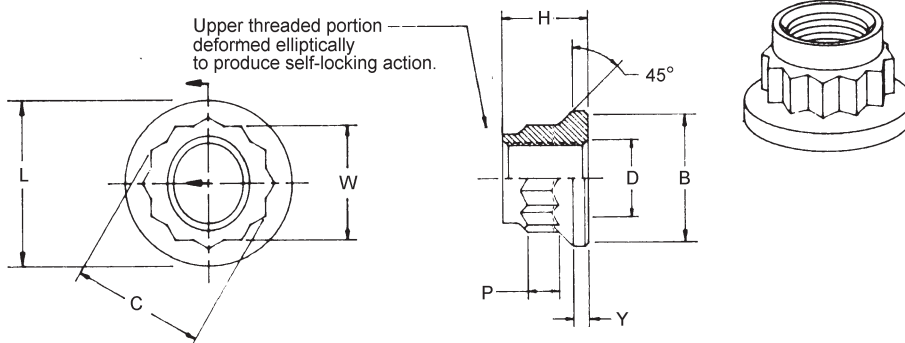
TEMPERATURE RANGE: To 450°F.

APPLICATION: The H20 series may be used with bolts having tensile strengths through 220,000 psi minimum that require high fatigue life in use. In addition, the increased minimum minor diameter of the H20 threads allow use with bolts having controlled thread root radius per MIL-S-8879. For lightweight reduced wrench version, see H23 series.

Part Number	Thread MIL-S-8879	C Min	H Max	L Max	P Min	T Ref	W	Bearing Surface Squareness	Axial Tensile Strength Lbs., Min	Approx Weight Lbs./100
H20-4	.2500-28 UNJF-38	.491	.359	.460	.100	.045	.376-.367	.003	8900	0.64
H20-5	.3125-24 UNJF-38	.491	.421	.560	.125	.050	.439-.430	.004	14100	1.00
H20-6	.3750-24 UNJF-38	.561	.468	.670	.155	.060	.502-.492	.005	20900	1.50
H20-7	.4375-20 UNJF-38	.631	.531	.770	.165	.075	.564-.553	.005	28300	2.10
H20-8	.5000-20 UNJF-38	.706	.578	.870	.180	.080	.627-.616	.005	37800	2.80
H20-9	.5625-18 UNJF-38	.775	.633	.950	.205	.090	.690-.679	.006	47900	3.60
H20-10	.6250-18 UNJF-38	.881	.687	1.050	.235	.100	.783-.772	.006	59900	5.00
H20-12	.7500-16 UNJF-38	1.059	.796	1.250	.310	.120	.940-.928	.009	86900	8.80
H20-14	.8750-14 UNJF-38	1.200	.968	1.438	.345	.140	1.064-1.052	.010	119000	12.50
H20-16	1.0000-14 UNJS-38	1.331	1.156	1.625	.395	.160	1.194-1.177	.011	157000	18.00

H93 12-Point Nut Series Specifications

180 ksi strength; interchangeable with NAS1804



MATERIAL: Alloy steel, heat treated.

FINISH: Cadmium plated per Fed. Spec. QQ-P-416, Type II plating. Kaylube molybdenum disulfide dry lubricant coated after plating.

PROCUREMENT SPEC: MIL-N-25027, except for axial tensile strength, as tabulated, is equivalent to 180,000 psi, at the pitch of the diameter, and will be obtained when tested on bolts or screws having a minimum tensile strength of 200,000 psi.

TEMPERATURE RANGE: To 450°F.

APPLICATION: For light weight reduced wrench version, see H23 series. For socket wrench that may be used with high strength nuts, see the WS15.

Part Number	Thread MIL-S-8879	B Min	C Min	D	H Max	L Max	P Min	T Ref	W	Bearing Surface Squareness	Axial Tensile Strength Lbs., Min
H93-4	.2500-28 UNJF-38	.394	.348	.280-.250	.250	.434	.082	.020	.313-.305	.003	7270
H93-5	.3125-24 UNJF-38	.492	.420	.342-.312	.285	.532	.120	.035	.376-.367	.004	11500
H93-6	.3750-24 UNJF-38	.591	.490	.405-.375	.375	.631	.130	.056	.439-.430	.004	17100
H93-7	.4375-20 UNJF-38	.689	.633	.473-.438	.438	.729	.164	.069	.564-.553	.005	23200
H93-8	.5000-20 UNJF-38	.788	.704	.535-.500	.500	.828	.190	.074	.627-.616	.005	30900
H93-9	.5625-18 UNJF-38	.886	.775	.597-.562	.562	.928	.230	.079	.690-.679	.005	39100
H93-10	.6250-18 UNJF-38	.984	.846	.660-.625	.625	1.024	.250	.084	.752-.741	.006	49100
H93-12	.7500-16 UNJF-38	1.181	1.059	.785-.750	.750	1.221	.310	.094	.940-.928	.007	71000
H93-14	.8750-14 UNJF-38	1.378	1.200	.990-.875	.875	1.418	.350	.109	1.064-1.052	.008	97000
H93-16	1.0000-14 UNJS-38	1.575	1.334	1.035-1.000	1.000	1.625	.400	.122	1.194-1.177	.009	126000