

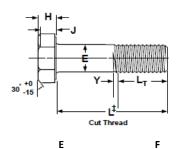
## Atlanta, Georgia

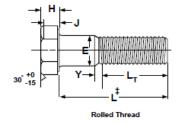
## Phone 800-521-7326

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## Hex Cap Screw 18-8 & 316 Stainless Steel







			Diameter			wiath		Wiath		Head		wrenching Transitional		i nread Length		
	Basic Diameter				Across Flats			Across Corners		Height		Height	Thread Length	Screw	Screw	
Peco					ACI USS FIDES			ACIOSS COITIEIS		neight			пеідііі	mreau Length	Length	Length
Catalog#			Min	Max	Basic	Min	Max	Min	Max	Basic	Min	Max	Min	Max	< 6"	> 6"
See Section Three of Our Catalog	1/4	0.2500	0.245	0.2500	7/16	0.428	0.438	0.488	0.505	5/32	0.150	0.163	0.106	0.250	0.7500	1.000
	5/16	0.3125	0.3065	0.3125	1/2	0.484	0.500	0.557	0.577	13/64	0.195	0.211	0.140	0.278	0.8750	1.125
	3/8	0.3750	0.3690	0.3750	9/16	0.551	0.562	0.628	0.650	15/64	0.226	0.243	0.160	0.312	1.0000	1.250
	7/16	0.4375	0.4305	0.4375	5/8	0.612	0.625	0.698	0.722	9/32	0.272	0.291	0.195	0.357	1.1250	1.375
	l 1/2 l	0.5000	0.4930	0.5000	3/4	0.736	0.750	0.840	0.866	5/16	0.302	0.323	0.215	0.385	1.2500	1.500
	9/16	0.5625	0.5545	0.5625	13/16	0.798	0.812	0.910	0.938	23/64	0.348	0.371	0.250	0.417	1.3750	1.625
	5/8	0.6250	0.6170	0.6250	15/16	0.922	0.938	1.051	1.083	25/64	0.378	0.403	0.269	0.455	1.500	1.750
	3/4	0.7500	0.7410	0.7500	1-1/8	1.100	1.125	1.254	1.299	15/32	0.455	0.483	0.324	0.500	1.750	2.000
	7/8	0.8750	0.8660	0.8750	1-5/16	1.285	1.312	1.465	1.516	35/64	0.531	0.563	0.378	0.556	2.000	2.250
	1	1.0000	0.9900	1.0000	1-1/2	1.469	1.500	1.675	1.732	39/64	0.591	0.627	0.416	0.625	2.250	2.500

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	Screw Size	Screw Length								
	Screw Size	Up to 1"		Over 1" to 2-1/2"	Over 2-1/2" to 4"	Over 4" to 6"		Longer than 6"		
Tolerance on Length	1/4 to 3/8	+0.02,	-0.03	+0.02, -0.04	+0.04, -0.06	+0.0	6, -0.10	+0.10, -0.18		
Tolerance on Length	7/16 to 1/2	+0.02,	-0.03	+0.04, -0.06	+0.06, -0.08 +0.0		8, -0.10	+0.12, -0.18		
	9/16 to 3/4	+0.02,	-0.03	+0.06, -0.08	+0.08, -0.10	+0.10, -0.10		+0.14, -0.18		
	7/8 to 1			+0.08, -0.10	+0.10, -0.14	+0.1	2, -0.16	+0.16, -0.20		
ASME B18.2.1-1996	18-8 (1/4"- 5/8" D	Diameter) 18-8 (3		/4"- 1" Diameter)	316 (1/4"- 5/8" Diameter)		316 (3/4"- 1" Diameter)			
Hardness	Rockwell B95 -	C32		B80 - C32	Rockwell B9	5 - C32	B80 - C32			
Elongation	20% Minimum		25	5% Minimum	20% Minir	num	25% Minimum			
Yield Length	≥ 2.25 x Dia. (E) = 6	5,000 psi	≥ 3 x Di	a. (E) = 45,000 psi	≥ 2.25 x Dia. (E) =	65,000 psi	≥ 3 x Dia. (E) = 45,000 psi			
Tensile Strength	≥ 2.25 x Dia. (E) = 1	≥ 3 x Dia. (E) = 85,000 -		≥ 2.25 x Dia. (E) = 100,000 -		≥ 3 x Dia. (E) = 85,000 - 140,000 ps				
renane attengui	150,000 ps	i	1	140,000 psi	150,000	psi	2 3 x 2 id. (2) 23,000 140,000 psi			
Material	18-8 = One of These	Austenitic	alloys: 303	3, 303Se, 304, XM7.	316 = One of These Austenitic alloys: 303, 303Se, 304, XM7. Chromium					
iviateriai	Chromium Conte	nt of 17%-:	19% and N	lickel of 8%-10%.	Content of 17%-19%, Nickel of 10%-14%, Molybdenum of 2%-3%.					

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