

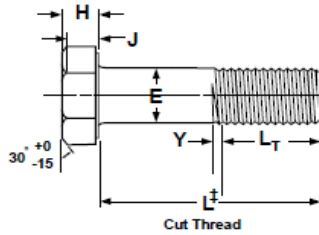


Atlanta, Georgia

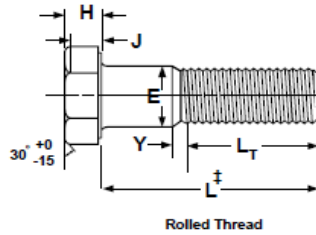
Phone 800-521-7326

Fax 770-745-1333

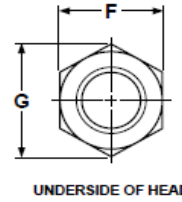
Hex Cap Screw 18-8 & 316 Stainless Steel



Cut Thread



Rolled Thread



UNDERSIDE OF HEAD

Peco Catalog#	E		F		G		H		J		Y		L			
	Diameter		Width		Width		Head		Wrenching		Transitional		Thread Length			
	Basic Diameter		Across Flats		Across Corners		Height		Height		Thread Length		Screw Length	Screw Length		
	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
	1/2	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	

See Section
Three of Our
Catalog

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

Peco Fasteners specification sheets are a reference guide to help in the selection of fasteners. Peco has made every effort to ensure the accuracy of the information. However, Peco Fasteners is not responsible for any errors that may be contained within these sheets. Peco Fasteners makes no claim of warranty in the accuracy of this information. Users of this information are solely responsible for protecting themselves against liability. It is solely the responsibility of the purchasers and users of these fasteners to consult with Engineers that are experts in an applicable field. Peco Fasteners is not responsible for any loss, claim, or damage due to these specification sheets.

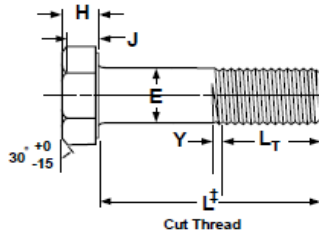


Atlanta, Georgia

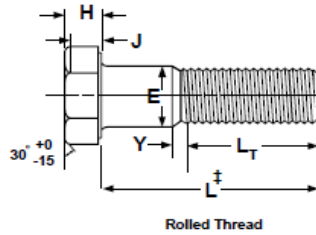
Phone 800-521-7326

Fax 770-745-1333

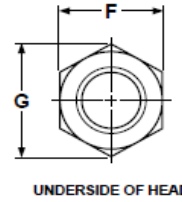
Hex Cap Screw 18-8 & 316 Stainless Steel



Cut Thread



Rolled Thread



UNDERSIDE OF HEAD

Peco Catalog#	E		F		G		H		J		Y		L			
	Diameter		Width		Width		Head		Wrenching		Transitional		Thread Length			
	Basic Diameter		Across Flats		Across Corners		Height		Height		Thread Length		Screw Length	Screw Length		
													< 6"	> 6"		
	Min	Max	Basic	Min	Max	Min	Max	Basic	Min	Max	Min	Max				
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
	1/2	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	

Tolerance on Length	Screw Size	Screw Length						
		Up to 1"	Over 1" to 2-1/2"	Over 2-1/2" to 4"	Over 4" to 6"	Longer than 6"		
	1/4 to 3/8	+0.02, -0.03	+0.02, -0.04	+0.04, -0.06	+0.06, -0.10	+0.10, -0.18		
	7/16 to 1/2	+0.02, -0.03	+0.04, -0.06	+0.06, -0.08	+0.08, -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	+0.12, -0.16	+0.16, -0.20		
ASME B18.2.1-1996	18-8 (1/4"- 5/8" 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 B95 - C32		B80 - C32	
Elongation	20% Minimum		25% Minimum		20% Minimum		25% Minimum	
Yield Length	≥ 2.25 x Dia. (E) = 65,000 psi		≥ 3 x Dia. (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) = 100,000 - 150,000 psi		≥ 3 x Dia. (E) = 85,000 - 140,000 psi		≥ 2.25 x Dia. (E) = 100,000 - 150,000 psi		≥ 3 x Dia. (E) = 85,000 - 140,000 psi	
Material	18-8 = One of These Austenitic alloys: 303, 303Se, 304, XM7. Chromium Content of 17%-19% and Nickel of 8%-10%.				316 = One of These Austenitic alloys: 303, 303Se, 304, XM7. Chromium Content of 17%-19%, Nickel of 10%-14%, Molybdenum of 2%-3%.			

Peco Fasteners specification sheets are a reference guide to help in the selection of fasteners. Peco has made every effort to ensure the accuracy of the information. However, Peco Fasteners is not responsible for any errors that may be contained within these sheets. Peco Fasteners makes no claim of warranty in the accuracy of this information. Users of this information are solely responsible for protecting themselves against liability. It is solely the responsibility of the purchasers and users of these fasteners to consult with Engineers that are experts in an applicable field. Peco Fasteners is not responsible for any loss, claim, or damage due to these specification sheets.