

# Atlanta, Georgia

### Phone 800-521-7326

#### Fax 770-745-1333

Н

0.531

0.591

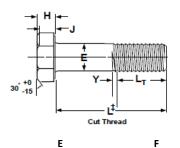
0.563

0.627

0.378

0.416

# Hex Cap Screw 18-8 & 316 Stainless Steel



0.8750 0.8660 0.8750

1.0000 0.9900 1.0000

1-5/16

1-1/2

1.285

1.469

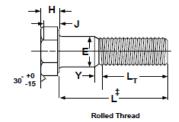
1.312

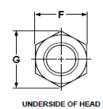
1.500

1.465

1.675

7/8





0.556

0.625

2.000

2.250

2.250

2.500

			Diameter			Width		Width			Head		Wrenching	Transitional	Thread	l Length
B. Basis Discussion				Across Flats			Across Corners			Height			Thread Length	Screw	Screw	
Catalog#	Peco Basic Diameter Catalog#		Min Max		Basic Min Max		Min Max		Basic	asic Min Max		Min	Max	Length < 6"	Length > 6"	
	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
See Section	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
See Section Three of Our	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
Catalog	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
Catalog	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

1.516

1.732

35/64

39/64

G

	SSi	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"			
Talawanas an Lanath	1/4 to 3/8	1/4 to 3/8 +0.02,		+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		0, -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	iameter)	er) 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		B8	30 - C32			
Elongation	20% Minimu	ım	25	% 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	100,000 -	≥ 3 x C	Dia. (E) = 85,000 -	≥ 2.25 x Dia. (E) =	= 100,000 -	> 3 v Dia (F) -	85,000 - 140,000 psi			
rensile strength	150,000 ps	i	140,000 psi		150,000	psi	2 3 x Dia. (L) = 83,000 - 140,000 psi				
Material	18-8 = One of These	Austenitic	alloys: 30	3, 303Se, 304, XM7.	316 = One of These Austenitic alloys: 303, 303Se, 304, XM7. Chromium						
iviateriai	Chromium Conte	nt of 17%-	19% and N	ickel of 8%-10%.	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

Н

0.531

0.591

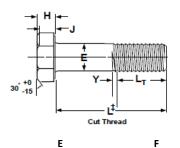
0.563

0.627

0.378

0.416

# Hex Cap Screw 18-8 & 316 Stainless Steel



0.8750 0.8660 0.8750

1.0000 0.9900 1.0000

1-5/16

1-1/2

1.285

1.469

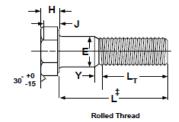
1.312

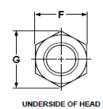
1.500

1.465

1.675

7/8





0.556

0.625

2.000

2.250

2.250

2.500

			Diameter			Width		Width			Head		Wrenching	Transitional	Thread	l Length
B. Basis Discussion				Across Flats			Across Corners			Height			Thread Length	Screw	Screw	
Catalog#	Peco Basic Diameter Catalog#		Min Max		Basic Min Max		Min Max		Basic	asic Min Max		Min	Max	Length < 6"	Length > 6"	
	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
See Section	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
See Section Three of Our	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
Catalog	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
Catalog	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

1.516

1.732

35/64

39/64

G

	SSi	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"			
Talawanas an Lanath	1/4 to 3/8	1/4 to 3/8 +0.02,		+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		0, -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	iameter)	er) 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		B8	30 - C32			
Elongation	20% Minimu	ım	25	% 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	100,000 -	≥ 3 x C	Dia. (E) = 85,000 -	≥ 2.25 x Dia. (E) =	= 100,000 -	> 3 v Dia (F) -	85,000 - 140,000 psi			
rensile strength	150,000 ps	i	140,000 psi		150,000	psi	2 3 x Dia. (L) = 83,000 - 140,000 psi				
Material	18-8 = One of These	Austenitic	alloys: 30	3, 303Se, 304, XM7.	316 = One of These Austenitic alloys: 303, 303Se, 304, XM7. Chromium						
iviateriai	Chromium Conte	nt of 17%-	19% and N	ickel of 8%-10%.	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.