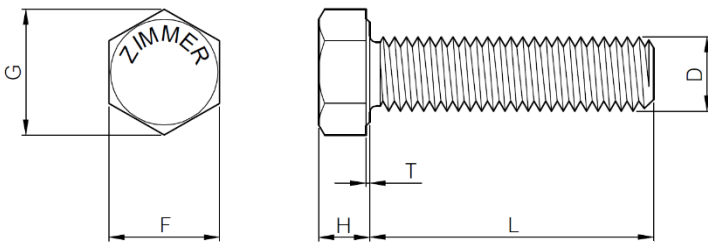


ASME B18.2.1 2012 - GRADE 1 : Hex Cap Screws (ZIMMER)



Standard	ASME B18.2.1
Hardness	70 – 100 HRB
Surface Treatment	Plain, Black Oxide, Zinc Plating (Non - Hardened)
Strength Class	Grade 1
Code	
Brand	ZIMMER

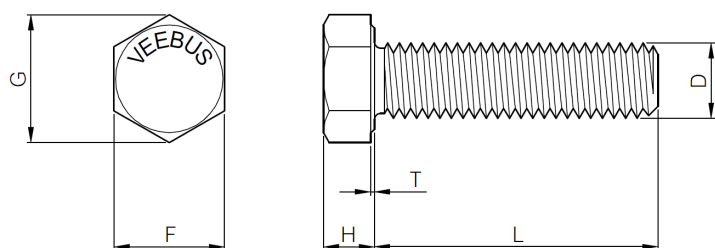
D Nominal Size or Basic Product Diameter			F	G	H	T	I
			Width Across Flats	Width Across Corners	Head Height	Thickness of The Washer Face	Nominal Length
			MAX.	MAX	MAX.	MAX.	
1/4"	20 UNC	0.2500	0.438	0.505	0.163	0.025	1/2" – 12"
5/16"	18 UNC	0.3125	0.500	0.577	0.211	0.025	
3/8"	16 UNC	0.3750	0.562	0.650	0.243	0.025	
7/16"	14 UNC	0.4375	0.625	0.722	0.291	0.025	

หมายเหตุ :

Unit : Inch



ASME B18.2.1 2012 - GRADE 1 : Hex Cap Screws (VEEBUS)



Standard	ASME B18.2.1
Hardness	70 – 100 HRB
Surface Treatment	Plain, Black Oxide, Zinc Plating (Non - Hardened)
Strength Class	Grade 1
Code	
Brand	VEEBUS

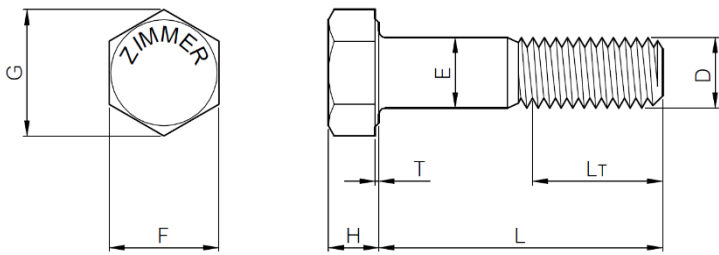
D Nominal Size or Basic Product Diameter			F	G	H	T	I
			Width Across Flats	Width Across Corners	Head Height	Thickness of The Washer Face	Nominal Length
			MAX.	MAX	MAX.	MAX.	
1/2"	13 UNC	0.5000	0.750	0.866	0.323	0.025	1/2" – 12"
9/16"	12 UNC	0.5625	0.812	0.938	0.371	0.025	
5/8"	11 UNC	0.6250	0.938	1.083	0.403	0.025	
3/4"	10 UNC	0.7500	1.125	1.299	0.483	0.025	
7/8"	9 UNC	0.8750	1.312	1.516	0.563	0.035	
1"	8 UNC	1.0000	1.500	1.732	0.627	0.035	

หมายเหตุ :

Unit : Inch



ASME B18.2.1 2012 - GRADE 1 : Hex Cap Screws (ZIMMER)



Standard	ASME B18.2.1
Hardness	70 – 100 HRB
Surface Treatment	Plain, Black Oxide, Zinc Plating (Non - Hardened)
Strength Class	Grade 1
Code	
Brand	ZIMMER

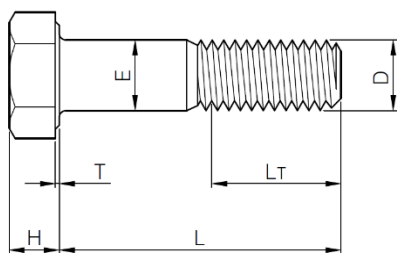
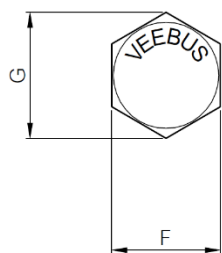
D Nominal Size or Basic Product Diameter			E	F	G	H	T	L _T		I
			Body Diameter	Width Across Flats	Width Across Corners	Head Height	Thickness of The Washer Face	Thread Length Nom.		Nominal Length
			MAX.	MAX.	MAX.	MAX.	MAX.	<6"	>6"	
1/4"	20 UNC	0.2500	0.2500	0.438	0.505	0.163	0.025	0.750	1.000	1/2" – 12"
5/16"	18 UNC	0.3125	0.3125	0.500	0.577	0.211	0.025	0.875	1.125	
3/8"	16 UNC	0.3750	0.3750	0.562	0.650	0.243	0.025	1.000	1.250	
7/16"	14 UNC	0.4375	0.4375	0.625	0.722	0.291	0.025	1.125	1.375	

หมายเหตุ :

Unit : Inch



ASME B18.2.1 2012 - GRADE 1 : Hex Cap Screws (VEEBUS)



Standard	ASME B18.2.1
Hardness	70 – 100 HRB
Surface Treatment	Plain, Black Oxide, Zinc Plating (Non - Hardened)
Strength Class	Grade 1
Code	
Brand	VEEBUS

D Nominal Size or Basic Product Diameter			E	F	G	H	T	L _T		I
			Body Diameter	Width Across Flats	Width Across Corners	Head Height	Thickness of The Washer Face	Thread Length Nom.		Nominal Length
			MAX.	MAX.	MAX	MAX.	MAX.	<6"	>6"	1/2" – 12"
1/2"	13 UNC	0.5000	0.5000	0.750	0.866	0.323	0.025	1.250	1.500	
9/16"	12 UNC	0.5625	0.5625	0.812	0.938	0.371	0.025	1.375	1.625	
5/8"	11 UNC	0.6250	0.6250	0.938	1.083	0.403	0.025	1.500	1.750	
3/4"	10 UNC	0.7500	0.7500	1.125	1.299	0.483	0.025	1.750	2.000	
7/8"	9 UNC	0.8750	0.8750	1.312	1.516	0.563	0.035	2.000	2.250	
1"	8 UNC	1.0000	1.0000	1.500	1.732	0.627	0.035	2.250	2.500	

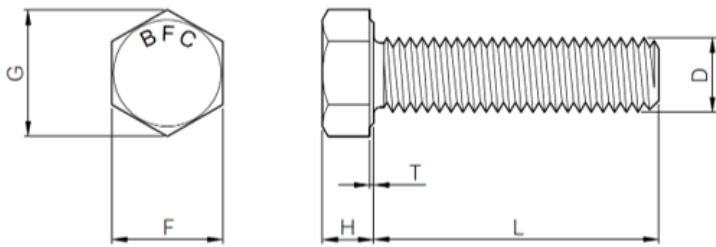
หมายเหตุ :

Unit : Inch



Bangkok Fastening CO., Ltd. 99/4 Moo 7 Bangna - Trad Road, Bangchaiong, Bangplee, Samutprakarn 10540, Thailand Tel. : +66(0) 2312 6159-65 Fax. : +66(0) 2312 6166

ASME B18.2.1 2012 : Hex Cap Screws



Standard		ASME B18.2.1
Hardness	1/4" – 3/4"	80 – 100 HRB
	7/8" – 1"	70 – 100 HRB
Surface Treatment		Plain, Black Oxide, Zinc Plating, Hot-Dip Galvanized - (Non - Hardened)
Strength Class		Grade 2
Code		
Brand		BFC

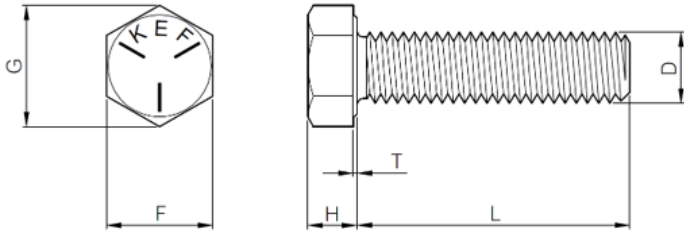
D Nominal Size or Basic Product Diameter			F	G	H	T	I
			Width Across Flats	Width Across Corners	Head Height	Thickness of The Washer Face	Nominal Length
			MAX.	MAX	MAX.	MAX.	1/2" – 12"
1/4"	20 UNC	0.2500	0.438	0.505	0.163	0.025	
5/16"	18 UNC	0.3125	0.500	0.577	0.211	0.025	
3/8"	16 UNC	0.3750	0.562	0.650	0.243	0.025	
7/16"	14 UNC	0.4375	0.625	0.722	0.291	0.025	
1/2"	13 UNC	0.5000	0.750	0.866	0.323	0.025	
9/16"	12 UNC	0.5625	0.812	0.938	0.371	0.025	
5/8"	11 UNC	0.6250	0.938	1.083	0.403	0.025	
3/4"	10 UNC	0.7500	1.125	1.299	0.483	0.025	
7/8"	9 UNC	0.8750	1.312	1.516	0.563	0.035	
1"	8 UNC	1.0000	1.500	1.732	0.627	0.035	

หมายเหตุ :

Unit : Inch



ASME B18.2.1 2012 : Hex Cap Screws



Standard	ASME B18.2.1
Hardness	25 -34 HRC
Surface Treatment	Black Oxide, Zinc Plating, Hot-Dip Galvanized
Strength Class	Grade 5
Code	
Brand	KEF

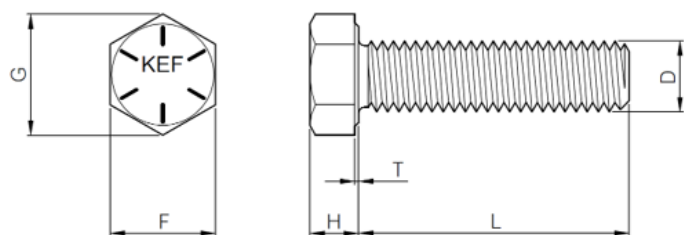
D Nominal Size or Basic Product Diameter			F	G	H	T	I
			Width Across Flats	Width Across Corners	Head Height	Thickness of The Washer Face	Nominal Length
			MAX.	MAX	MAX.	MAX.	1/2" – 12"
1/4"	20 UNC	0.2500	0.438	0.505	0.163	0.025	
5/16"	18 UNC	0.3125	0.500	0.577	0.211	0.025	
3/8"	16 UNC	0.3750	0.562	0.650	0.243	0.025	
7/16"	14 UNC	0.4375	0.625	0.722	0.291	0.025	
1/2"	13 UNC	0.5000	0.750	0.866	0.323	0.025	
9/16"	12 UNC	0.5625	0.812	0.938	0.371	0.025	
5/8"	11 UNC	0.6250	0.938	1.083	0.403	0.025	
3/4"	10 UNC	0.7500	1.125	1.299	0.483	0.025	
7/8"	9 UNC	0.8750	1.312	1.516	0.563	0.035	
1"	8 UNC	1.0000	1.500	1.732	0.627	0.035	

หมายเหตุ :

Unit : Inch



ASME B18.2.1 2012 : Hex Cap Screws



Standard	ASME B18.2.1
Hardness	33 -39 HRC
Surface Treatment	Black Oxide, Zinc Plating (Electroplated Zinc Coating with Hydrogen Baking)
Strength Class	Grade 8
Code	
Brand	KEF

D Nominal Size or Basic Product Diameter			F	G	H	T	I
			Width Across Flats	Width Across Corners	Head Height	Thickness of The Washer Face	Nominal Length
			MAX.	MAX	MAX.	MAX.	1/2" – 12"
1/4"	20 UNC	0.2500	0.438	0.505	0.163	0.025	
5/16"	18 UNC	0.3125	0.500	0.577	0.211	0.025	
3/8"	16 UNC	0.3750	0.562	0.650	0.243	0.025	
7/16"	14 UNC	0.4375	0.625	0.722	0.291	0.025	
1/2"	13 UNC	0.5000	0.750	0.866	0.323	0.025	
9/16"	12 UNC	0.5625	0.812	0.938	0.371	0.025	
5/8"	11 UNC	0.6250	0.938	1.083	0.403	0.025	
3/4"	10 UNC	0.7500	1.125	1.299	0.483	0.025	
7/8"	9 UNC	0.8750	1.312	1.516	0.563	0.035	
1"	8 UNC	1.0000	1.500	1.732	0.627	0.035	

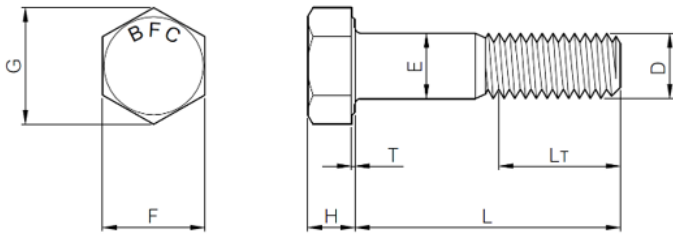
หมายเหตุ :

Unit : Inch



Bangkok Fastening CO., Ltd. 99/4 Moo 7 Bangna - Trad Road, Bangchaiong, Bangplee, Samutprakarn 10540, Thailand Tel. : +66(0) 2312 6159-65 Fax. : +66(0) 2312 6166

ASME B18.2.1 2012 : Hex Cap Screws



Standard		ASME B18.2.1
Hardness	1/4" – 3/4"	80 – 100 HRB
	7/8" – 1"	70 – 100 HRB
Surface Treatment		Plain, Black Oxide, Zinc Plating, Hot-Dip Galvanized - (Non - Hardened)
Strength Class		Grade 2
Code		
Brand		BFC

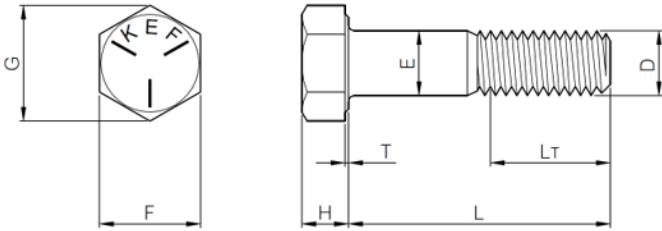
D Nominal Size or Basic Product Diameter			E	F	G	H	T	L _T		I
			Body Diameter	Width Across Flats	Width Across Corners	Head Height	Thickness of The Washer Face	Thread Length Nom.		Nominal Length
			MAX.	MAX.	MAX.	MAX.	MAX.	<6"	>6"	
1/4"	20 UNC	0.2500	0.2500	0.438	0.505	0.163	0.025	0.750	1.000	1/2" – 12"
5/16"	18 UNC	0.3125	0.3125	0.500	0.577	0.211	0.025	0.875	1.125	
3/8"	16 UNC	0.3750	0.3750	0.562	0.650	0.243	0.025	1.000	1.250	
7/16"	14 UNC	0.4375	0.4375	0.625	0.722	0.291	0.025	1.125	1.375	
1/2"	13 UNC	0.5000	0.5000	0.750	0.866	0.323	0.025	1.250	1.500	
9/16"	12 UNC	0.5625	0.5625	0.812	0.938	0.371	0.025	1.375	1.625	
5/8"	11 UNC	0.6250	0.6250	0.938	1.083	0.403	0.025	1.500	1.750	
3/4"	10 UNC	0.7500	0.7500	1.125	1.299	0.483	0.025	1.750	2.000	
7/8"	9 UNC	0.8750	0.8750	1.312	1.516	0.563	0.035	2.000	2.250	
1"	8 UNC	1.0000	1.0000	1.500	1.732	0.627	0.035	2.250	2.500	

หมายเหตุ :

Unit : Inch



ASME B18.2.1 2012 : Hex Cap Screws



Standard	ASME B18.2.1
Hardness	25 -34 HRC
Surface Treatment	Black Oxide, Zinc Plating, Hot-Dip Galvanized
Strength Class	Grade 5
Code	
Brand	KEF

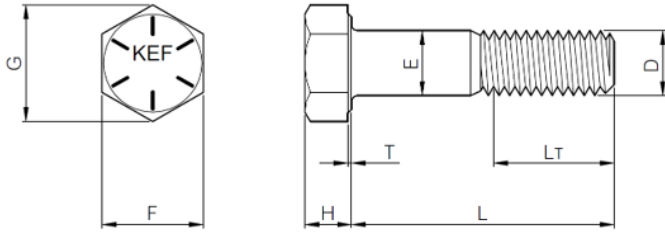
D Nominal Size or Basic Product Diameter			E	F	G	H	T	L _T		I
			Body Diameter	Width Across Flats	Width Across Corners	Head Height	Thickness of The Washer Face	Thread Length Nom.		Nominal Length
			MAX.	MAX.	MAX	MAX.	MAX.	<6"	>6"	1/2" – 12"
1/4"	20 UNC	0.2500	0.2500	0.438	0.505	0.163	0.025	0.750	1.000	
5/16"	18 UNC	0.3125	0.3125	0.500	0.577	0.211	0.025	0.875	1.125	
3/8"	16 UNC	0.3750	0.3750	0.562	0.650	0.243	0.025	1.000	1.250	
7/16"	14 UNC	0.4375	0.4375	0.625	0.722	0.291	0.025	1.125	1.375	
1/2"	13 UNC	0.5000	0.5000	0.750	0.866	0.323	0.025	1.250	1.500	
9/16"	12 UNC	0.5625	0.5625	0.812	0.938	0.371	0.025	1.375	1.625	
5/8"	11 UNC	0.6250	0.6250	0.938	1.083	0.403	0.025	1.500	1.750	
3/4"	10 UNC	0.7500	0.7500	1.125	1.299	0.483	0.025	1.750	2.000	
7/8"	9 UNC	0.8750	0.8750	1.312	1.516	0.563	0.035	2.000	2.250	
1"	8 UNC	1.0000	1.0000	1.500	1.732	0.627	0.035	2.250	2.500	

หมายเหตุ :

Unit : Inch



ASME B18.2.1 2012 : Hex Cap Screws



Standard	ASME B18.2.1
Hardness	33 -39 HRC
Surface Treatment	Black Oxide, Zinc Plating (Electroplated Zinc Coating with Hydrogen Baking)
Strength Class	Grade 8
Code	
Brand	KEF

D Nominal Size or Basic Product Diameter			E	F	G	H	T	LT		I
			Body Diameter	Width Across Flats	Width Across Corners	Head Height	Thickness of The Washer Face	Thread Length Nom.		Nominal Length
			MAX.	MAX.	MAX	MAX.	MAX.	<6"	>6"	1/2" – 12"
1/4"	20 UNC	0.2500	0.2500	0.438	0.505	0.163	0.025	0.750	1.000	
5/16"	18 UNC	0.3125	0.3125	0.500	0.577	0.211	0.025	0.875	1.125	
3/8"	16 UNC	0.3750	0.3750	0.562	0.650	0.243	0.025	1.000	1.250	
7/16"	14 UNC	0.4375	0.4375	0.625	0.722	0.291	0.025	1.125	1.375	
1/2"	13 UNC	0.5000	0.5000	0.750	0.866	0.323	0.025	1.250	1.500	
9/16"	12 UNC	0.5625	0.5625	0.812	0.938	0.371	0.025	1.375	1.625	
5/8"	11 UNC	0.6250	0.6250	0.938	1.083	0.403	0.025	1.500	1.750	
3/4"	10 UNC	0.7500	0.7500	1.125	1.299	0.483	0.025	1.750	2.000	
7/8"	9 UNC	0.8750	0.8750	1.312	1.516	0.563	0.035	2.000	2.250	
1"	8 UNC	1.0000	1.0000	1.500	1.732	0.627	0.035	2.250	2.500	

หมายเหตุ :

Unit : Inch



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