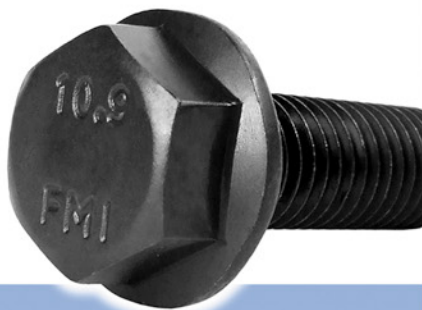




Gr. 8 Non-Indented Flange Bolt



10.9 Non-Indented Flange Bolt



12.9 Non-Indented Flange Bolt

NBS. Flange Bolts.



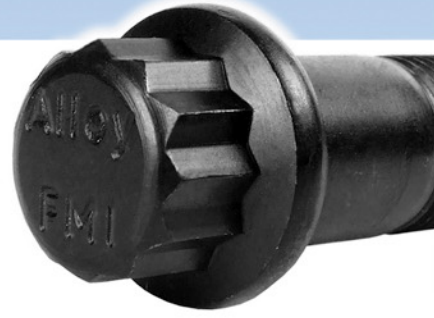
Gr. Alloy Non-Indented Flange Bolt



Gr. 8 12 Point Flange Bolt



Gr. Alloy 12 Point Flange Bolt



FMI® is TS-16949 & ISO-9001 certified.

INDEX | Main Product Line



- 01 Serrated Hex Flange Bolt
- 02 Large Serrated Hex Flange Bolt



- 03 Hex Flange Bolt



- 04 Grain Bin Bolt



- 05 12 Point Flange Screw



- 06 Metric 12 Point Flange Screw



- 07 ~ 11 Metric Hex Flange Bolt



- 12 Hexagon Socket Head Cap Screw



- 13 Hexagon Socket Flat Head Cap Screw



- 14 Hexagon Socket Button Head Cap Screw



- 15 Dowel Pin

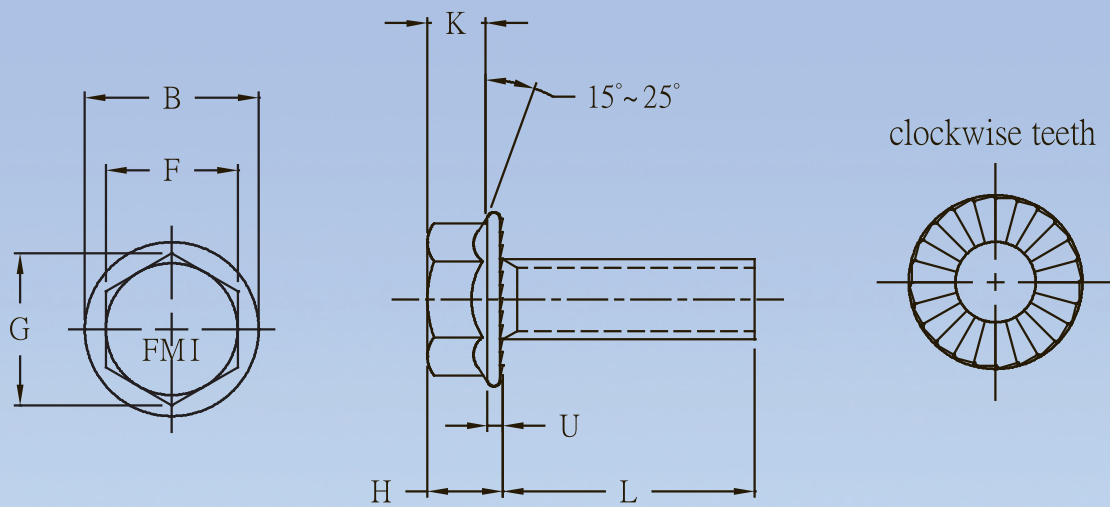
SERRATED HEX FLANGE BOLT(Full Thread)



IFI 111, Grade 2
Material: AISI 1015
Tensile Strength: Min 74,000 psi
Screw Threads: ANSI B1.1 UNC,UNF
Class of Thread: #8 through 3/4, 2A,3A

IFI 111, Grade 5
Material: AISI 1035
Tensile Strength: Min 120,000 psi
Core Hardness: HRC 25~34
Surface Hardness: HR30N MAX 54
Screw Threads: ANSI B1.1 UNC,UNF
Class of Thread: #8 through 3/4,2A,3A

IFI 111, Grade 8.2
Material: 10B21
Tensile Strength: Min 150,000 psi
Core Hardness: HRC 33~39
Surface Hardness: HR30N MAX 58.6
Screw Threads: ANSI B1.1 UNC,UNF
Class of Thread: #8 through 3/4, 2A,3A



Unit: Inch

Nominal Size of Screw	F		G		B	U	H	K
	Width Across Flats		Width Across Corners		Flange Diam	Flange Thickness	Head Height	Hex Height
	Max	Min	Max	Min	Max	Min	Max	Min
#8	0.2500	0.241	0.297	0.271	0.37	0.02	0.18	0.11
#10	0.3125	0.305	0.367	0.340	0.45	0.03	0.21	0.13
1/4	0.3750	0.367	0.433	0.409	0.56	0.04	0.28	0.17
5/16	0.5000	0.489	0.577	0.548	0.68	0.05	0.32	0.21
3/8	0.5625	0.551	0.650	0.618	0.81	0.06	0.39	0.25
7/16	0.6250	0.612	0.722	0.685	0.93	0.07	0.46	0.30
1/2	0.7500	0.736	0.866	0.825	1.07	0.08	0.51	0.34
5/8	0.9375	0.922	1.083	1.034	1.33	0.10	0.62	0.42
3/4	1.1250	1.100	1.299	1.234	1.59	0.11	0.73	0.51

LARGE SERRATED HEX FLANGE BOLT(Full Thread)



Grade 2

Material: AISI 1010

Tensile Strength: Min 74,000 psi

Screw Threads: ANSI B1.1 UNC,UNF

Class of Thread: 1/4 through 1/2, 2A,3A

Grade 5

Material: AISI 1035

Tensile Strength: Min 120,000 psi

Core Hardness: HRC 25~34

Surface Hardness: HR30N MAX 54

Screw Threads: ANSI B1.1 UNC,UNF

Class of Thread: 1/4 through 1/2, 2A,3A

Grade 8.2

Material: 10B21

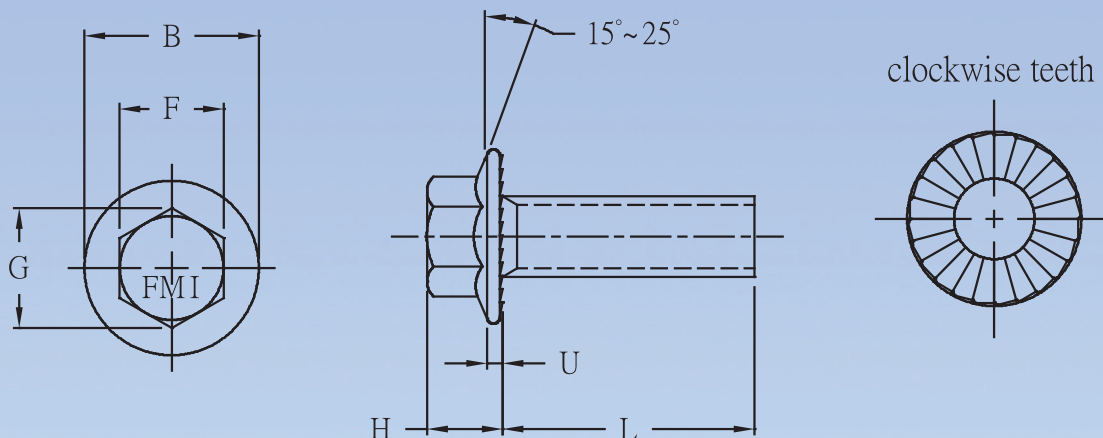
Tensile Strength: Min 150,000 psi

Core Hardness: HRC 33~39

Surface Hardness: HR30N MAX 58.6

Screw Threads: ANSI B1.1 UNC,UNF

Class of Thread: 1/4 through 1/2, 2A,3A



Unit: Inch

Nominal Size of Screw	F		G		B	U	H
	Width Across Flats		Width Across Corners		Flange Diam	Flange Thickness	Head Height
	Max	Min	Max	Min	Max	Min	Max
1/4	0.375	0.367	0.433	0.409	0.625	0.04	0.280
5/16	0.500	0.489	0.577	0.548	0.820	0.05	0.345
3/8	0.562	0.551	0.650	0.628	0.915	0.06	0.390
7/16	0.625	0.612	0.722	0.685	1.131	0.07	0.460
1/2	0.750	0.736	0.866	0.825	1.205	0.08	0.510

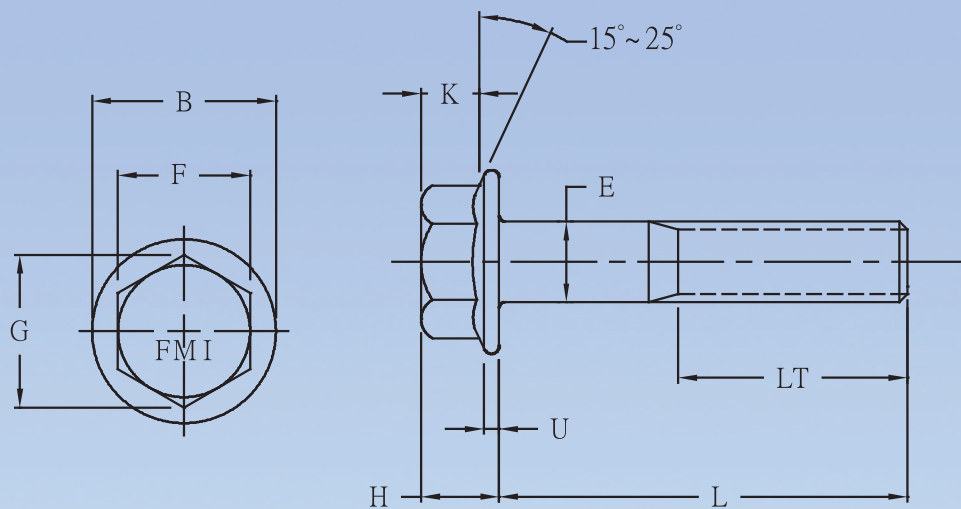
HEX FLANGE BOLT



IFI 111, Grade 5
Material: AISI 1035
Tensile Strength: Min 120,000 psi
Core Hardness: HRC 25~34
Surface Hardness: HR30N MAX 54
Screw Threads: ANSI B1.1 UNC,UNF
Class of Thread: #8 through 3/4, 2A,3A

IFI 111, Grade 8
Material: Alloy Steel AISI 4135
Tensile Strength: Min 150,000 psi
Core Hardness: HRC 33~39
Surface Hardness: HR30N MAX 58.6
Screw Threads: ANSI B1.1 UNC,UNF
Class of Thread: #8 through 3/4, 2A,3A

IFI 111, Alloy
Material: Alloy Steel AISI 4135
Tensile Strength: Min 180,000 psi
Core Hardness: HRC 39~45
Screw Threads: ANSI B1.1 UNC,UNF
Class of Thread: #8 through 3/4, 2A,3A



Unit: Inch

Nominal Size of Screw	E		F		G		B	U	H	K	LT
	Body Diam		Width Across Flats		Width Across Corners		Flange Diam	Flange Thickness	Head Height	Hex Height	Thread Length
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Basic
#8	0.1638	0.1587	0.2500	0.241	0.297	0.271	0.37	0.02	0.18	0.11	--
#10	0.1902	0.1843	0.3125	0.305	0.367	0.340	0.45	0.03	0.21	0.13	--
1/4	0.2500	0.2450	0.3750	0.367	0.433	0.409	0.56	0.04	0.28	0.17	0.750
5/16	0.3125	0.3065	0.5000	0.489	0.577	0.548	0.68	0.05	0.32	0.21	0.875
3/8	0.3750	0.3690	0.5625	0.551	0.650	0.618	0.81	0.06	0.39	0.25	1.000
7/16	0.4375	0.4305	0.6250	0.612	0.722	0.685	0.93	0.07	0.46	0.30	1.125
1/2	0.5000	0.4930	0.7500	0.736	0.866	0.825	1.07	0.08	0.51	0.34	1.250
5/8	0.6250	0.6170	0.9375	0.922	1.083	1.034	1.33	0.10	0.62	0.42	1.500
3/4	0.7500	0.7410	1.1250	1.100	1.299	1.234	1.59	0.11	0.73	0.51	1.750

GRAIN BIN BOLT



Grade 8.2

Material: 10B21

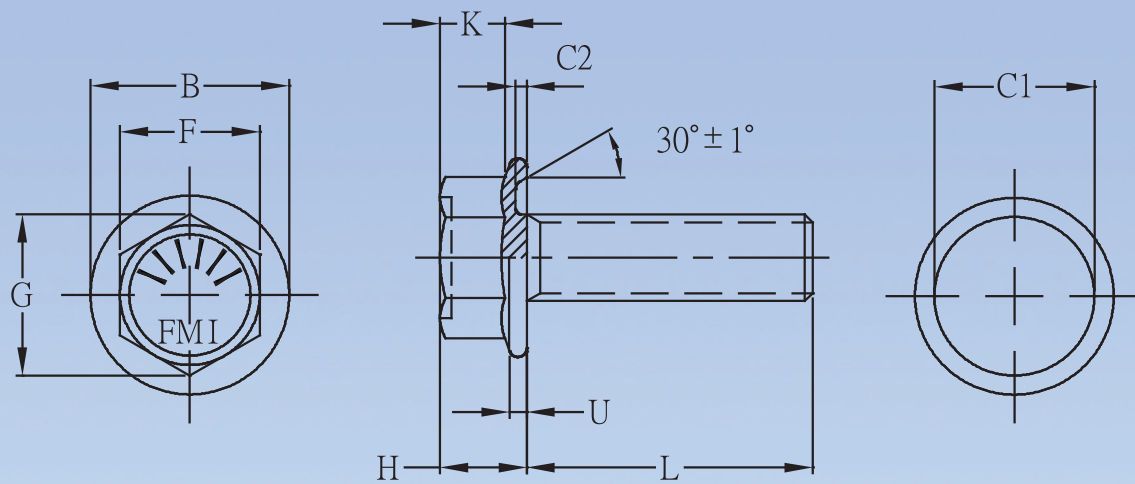
Tensile Strength: Min 150,000 psi

Core Hardness: HRC 33~39

Surface Hardness: HR30N MAX 58.6

Screw Threads: ANSI B1.1 UNC, UNF

Class of Thread: 5/16 through 7/16, 2A



Unit: Inch

Nominal Size of Screw	F		G		H		K	U		C1		C2		B
	Width Across Flats		Width Across Corners		Head Height		Hex Height	Flange Thickness		Under Cut Diam		Under Cut Depth		Flange Diam
	Max	Min	Max	Min	Max	Min	Min	Max	Min	Max	Min	Max	Min	Max
5/16	0.500	0.489	0.577	0.548	0.318	0.303	0.210	0.08	0.06	0.584	0.560	0.050	0.040	0.73
3/8	0.562	0.550	0.650	0.618	0.380	0.365	0.256	0.08	0.06	0.665	0.655	0.050	0.040	0.81
7/16	0.625	0.612	0.722	0.685	0.440	0.410	0.300	0.09	0.07	0.748	0.729	0.050	0.040	0.95

12 POINT FLANGE SCREW



IFI 115

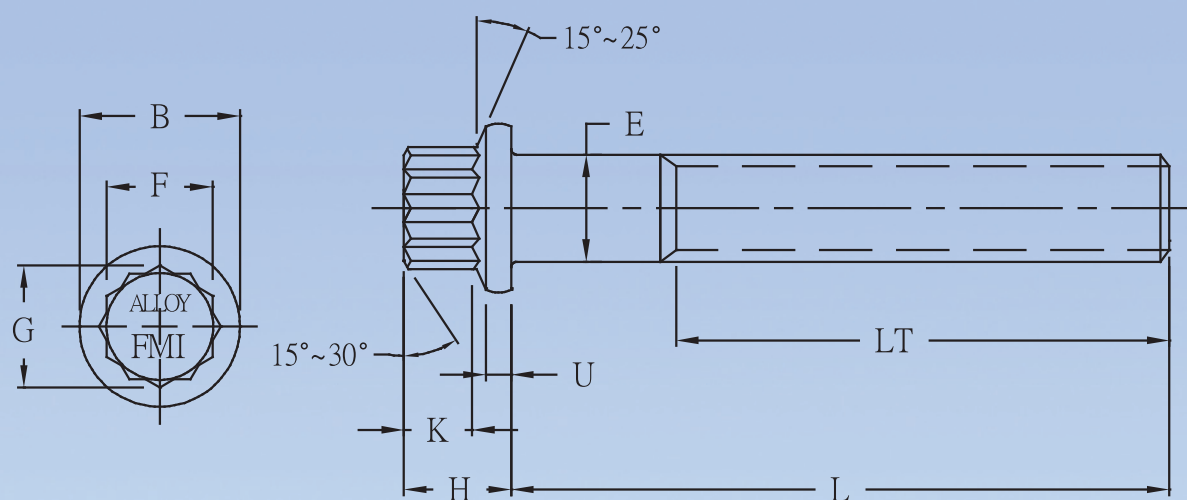
Material: Alloy Steel AISI 4135/4140

Wedge Tensile: Min 170,000 psi

Core Hardness: HRC 37~43

Screw Threads: ANSI B1.1 UNC, UNF

Class of Thread: 1/4 through 3/4, 2A, 3A



Unit: Inch

Nominal Size of Screw	E		B		F		G	H	K	U	LT
	Body Diam (Max Equal to Nom Size)		Flange Diam		Width Across Flats		Width Across Corners	Head Height	Wrench Height	Flange Thickness	Thread Length
	Max	Min	Max	Min	Max	Min	Min	Max	Min	Min	Basic
1/4	0.2500	0.2435	0.375	0.365	0.252	0.244	0.278	0.260	0.15	0.058	1.000
5/16	0.3125	0.3053	0.469	0.457	0.315	0.306	0.348	0.312	0.18	0.074	1.125
3/8	0.3750	0.3678	0.562	0.550	0.377	0.368	0.420	0.375	0.21	0.095	1.250
7/16	0.4375	0.4294	0.656	0.642	0.438	0.429	0.489	0.438	0.26	0.109	1.375
1/2	0.5000	0.4919	0.750	0.735	0.502	0.493	0.562	0.500	0.29	0.129	1.500
5/8	0.6250	0.6163	0.938	0.921	0.627	0.618	0.705	0.625	0.36	0.166	1.750
3/4	0.7500	0.7406	1.125	1.107	0.752	0.743	0.847	0.750	0.44	0.200	2.000

METRIC 12 POINT FLANGE SCREW



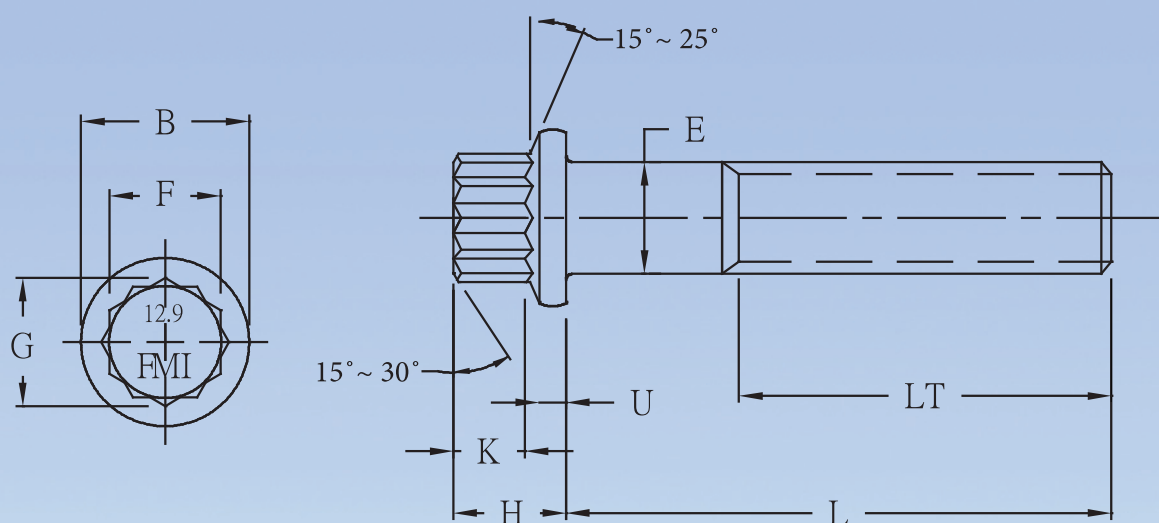
B18.2.5M Class 12.9

Material: Alloy Steel AISI 4135

Wedge Tensile : Min 1220 MPa

Core Hardness: HRC 39~44

Class of Thread: M6 through M16, 5g6g



Unit: mm

Nominal Size of screw	F		G	B		E		H		U		K	LT
	Width Across Flats		Width Across Corners	Flange Diam		Body Diam		Head Height		Flange Thickness		Wrench Height	Thread Length
	Max	Min	Min	Max	Min	Max	Min	Max	Min	Max	Min	Min	Basic
M6	6.05	5.95	6.70	9.95	9.77	6.00	5.79	6.00	5.82	2.70	2.45	3.12	18.00
M8	8.05	7.95	9.00	12.95	12.72	8.00	7.76	8.00	7.78	3.60	3.35	4.18	22.00
M10	10.05	9.93	11.20	15.95	15.69	10.00	9.73	10.00	9.78	4.50	4.13	5.28	26.00
M12	12.05	11.93	13.50	17.95	17.67	12.00	11.70	12.00	11.73	5.40	5.03	6.33	30.00
M14	14.05	13.92	15.80	20.95	20.67	14.00	13.68	14.00	13.73	6.30	5.93	7.43	34.00
M16	16.05	15.92	18.00	23.92	23.62	16.00	15.68	16.00	15.73	7.20	6.83	8.53	38.00

METRIC HEX FLANGE BOLT (ISO 4162)



ISO 4162 Class 8.8

Material: 10B21/AISI 1035

Tensile Strength: Min 800 MPa

Core Hardness: HRC 22~32

Class of Thread: M5 through M16, 6g

ISO 4162 Class 10.9

Material: Alloy Steel AISI 4135

Tensile Strength: Min 1040 MPa

Core Hardness: HRC 32~39

Class of Thread: M5 through M16, 6g

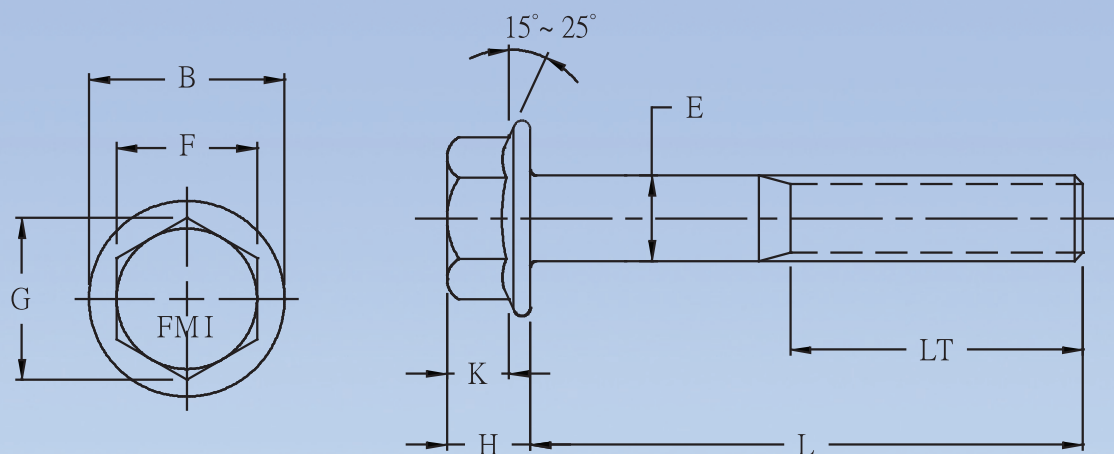
ISO 4162 Class 12.9

Material: Alloy Steel AISI 4135

Tensile Strength: Min 1220 MPa

Core Hardness: HRC 39~44

Class of Thread: M5 through M16, 6g



Unit: mm

Nominal Size of Screw	F		G	B	E		H	K	LT
	Width Across Flats		Width Across Corners	Flange Diam	Body Diam		Head Height	Hex Height	Thread Length
	Max	Min	Min	Max	Max	Min	Max	Min	Basic
M5	7.00	6.64	7.44	11.4	5.00	4.82	5.60	2.80	16.00
M6	8.00	7.64	8.56	13.6	6.00	5.82	6.80	3.40	18.00
M8	10.00	9.64	10.80	17.0	8.00	7.78	8.50	4.20	22.00
M10	13.00	12.57	14.08	20.8	10.00	9.78	9.70	5.70	26.00
M12	15.00	14.57	16.32	24.7	12.00	11.73	11.90	6.10	30.00
M14	18.00	17.57	19.68	28.6	14.00	13.73	12.90	7.10	34.00
M16	21.00	20.16	22.58	32.8	16.00	15.73	15.10	8.70	38.00

METRIC HEAVY HEX FLANGE BOLT (B18.2.3.9M)



B18.2.3.9M Class 8.8

Material: 10B21 / AISI 1035

Tensile Strength: Min 800 MPa

Core Hardness: HRC 22~32

Class of Thread: M5 through M16, 6g

B18.2.3.9M Class 10.9

Material: Alloy Steel AISI 4135

Tensile Strength: Min 1040 MPa

Core Hardness: HRC 32~39

Class of Thread: M5 through M16, 6g

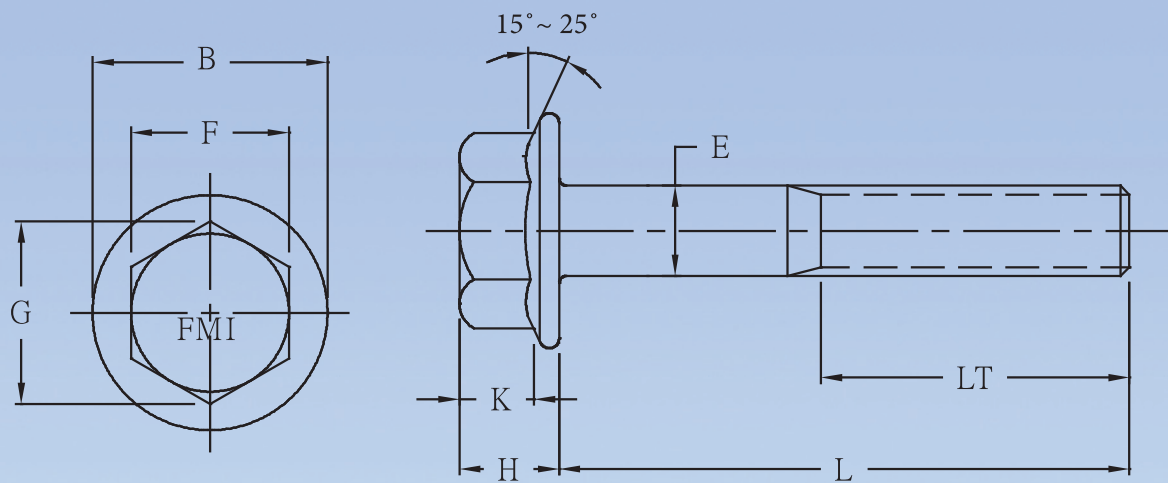
B18.2.3.9M Class 12.9

Material: Alloy Steel AISI 4135

Tensile Strength: Min 1220 MPa

Core Hardness: HRC 39~44

Class of Thread: M5 through M16, 6g



Unit: mm

Nominal Size of Screw	F		G		B	E		H	K	LT
	Width Across Flats		Width Across Corners		Flange Diam	Body Diam		Head Height	Hex Height	Thread Length
	Max	Min	Max	Min	Max	Max	Min	Max	Min	Basic
M5	8.00	7.64	9.24	8.56	11.80	5.00	4.82	5.80	2.80	16.00
M6	10.00	9.64	11.55	10.80	14.20	6.00	5.82	6.60	3.40	18.00
M8	13.00	12.57	15.01	14.08	18.00	8.00	7.78	8.10	4.20	22.00
M10	15.00	14.57	17.32	16.32	22.30	10.00	9.78	10.40	5.70	26.00
M12	18.00	17.57	20.78	19.68	26.60	12.00	11.73	11.80	6.10	30.00
M14	21.00	20.16	24.25	22.58	30.50	14.00	13.73	13.70	7.10	34.00
M16	24.00	23.16	27.71	25.94	35.00	16.00	15.73	15.40	8.70	38.00

METRIC HEX FLANGE BOLT (B18.2.3.4M)



B18.2.3.4M Class 8.8

Material: 10B21 / AISI 1035

Tensile Strength: Min 800 MPa

Core Hardness: HRC 22~32

Class of Thread: M5 through M16, 6g

B18.2.3.4M Class 10.9

Material: Alloy Steel AISI 4135

Tensile Strength: Min 1040 MPa

Core Hardness: HRC 32~39

Class of Thread: M5 through M16, 6g

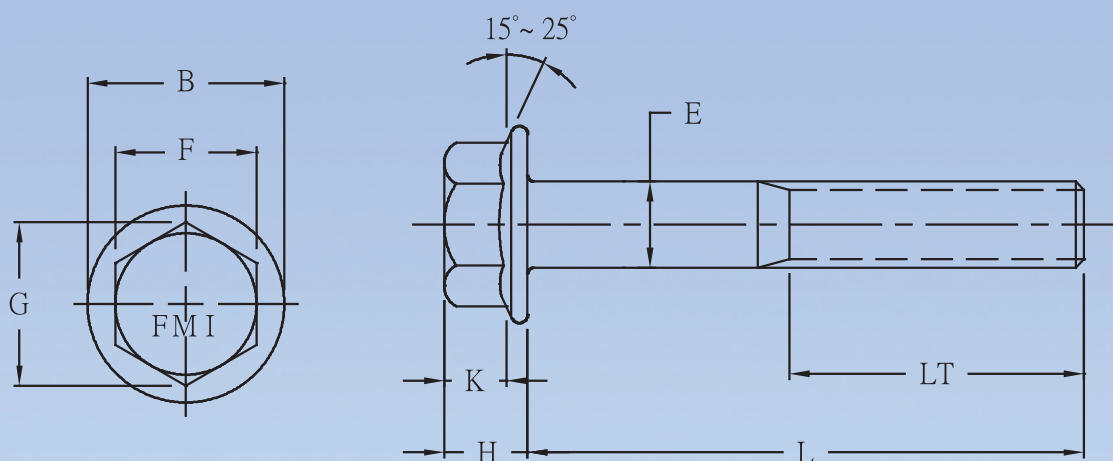
B18.2.3.4M Class 12.9

Material: Alloy Steel AISI 4135

Tensile Strength: Min 1220 MPa

Core Hardness: HRC 39~44

Class of Thread: M5 through M16, 6g



Unit: mm

Nominal Size of Screw	F		G		B	E		H	K	LT
	Width Across Flats		Width Across Corners		Flange Diam	Body Diam		Head Height	Hex Height	Thread Length
	Max	Min	Max	Min	Max	Max	Min	Max	Min	Basic
M5	7.00	6.64	8.08	7.44	11.4	5.00	4.82	5.60	2.80	16.00
M6	8.00	7.64	9.24	8.56	13.6	6.00	5.82	6.90	3.40	18.00
M8	10.00	9.64	11.55	10.80	17.0	8.00	7.78	8.50	4.20	22.00
M10	13.00	12.57	15.01	14.08	20.8	10.00	9.78	9.70	5.70	26.00
M12	15.00	14.57	17.32	16.32	24.7	12.00	11.73	12.10	6.10	30.00
M14	18.00	17.57	20.78	19.68	28.6	14.00	13.73	12.90	7.10	34.00
M16	21.00	20.16	24.25	22.58	32.8	16.00	15.73	15.20	8.70	38.00

METRIC HEX FLANGE BOLT (DIN 6921)



DIN 6921 Class 8.8

Material: 10B21 / AISI 1035

Tensile Strength: Min 800 MPa

Core Hardness: HRC 22~32

Class of Thread: M5 through M16, 6g

DIN 6921 Class 10.9

Material: Alloy Steel AISI 4135

Tensile Strength: Min 1040 MPa

Core Hardness: HRC 32~39

Class of Thread: M5 through M16, 6g

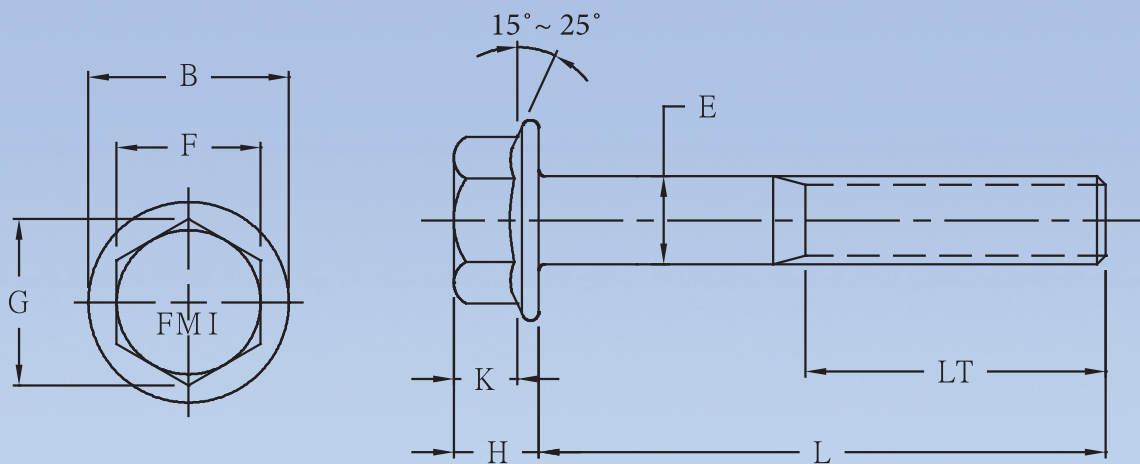
DIN 6921 Class 12.9

Material: Alloy Steel AISI 4135

Tensile Strength: Min 1220 MPa

Core Hardness: HRC 39~44

Class of Thread: M5 through M16, 6g



Unit: mm

Nominal Size of screw	F		G	B	E		H	K	LT
	Width Across Flats		Width Across Corners	Flange Diam	Body Diam		Head Height	Hex Height	Thread Length
	Max	Min	Min	Max	Max	Min	Max	Min	Basic
M5	8.00	7.78	8.71	11.80	5.00	4.82	5.40	2.80	16.00
M6	10.00	9.78	10.95	14.20	6.00	5.82	6.60	3.40	18.00
M8	13.00	12.73	14.26	18.00	8.00	7.78	8.10	4.20	22.00
M10	15.00	14.73	16.50	22.30	10.00	9.78	9.20	5.70	26.00
M12	16.00	15.73	17.62	26.60	12.00	11.73	11.50	6.10	30.00
M14	18.00	17.73	19.86	30.50	14.00	13.73	12.80	7.10	34.00
M16	21.00	20.67	23.15	35.00	16.00	15.73	14.40	8.70	38.00

METRIC HEX FLANGE BOLT(EN1665)



EN1665 Class 8.8

Material: 10B21 / AISI 1035

Tensile Strength: Min 800 MPa

Core Hardness: HRC 22~32

Class of Thread: M5 through M16, 6g

EN1665 Class 10.9

Material: Alloy Steel AISI 4135

Tensile Strength: Min 1040 MPa

Core Hardness: HRC 32~39

Class of Thread: M5 through M16, 6g

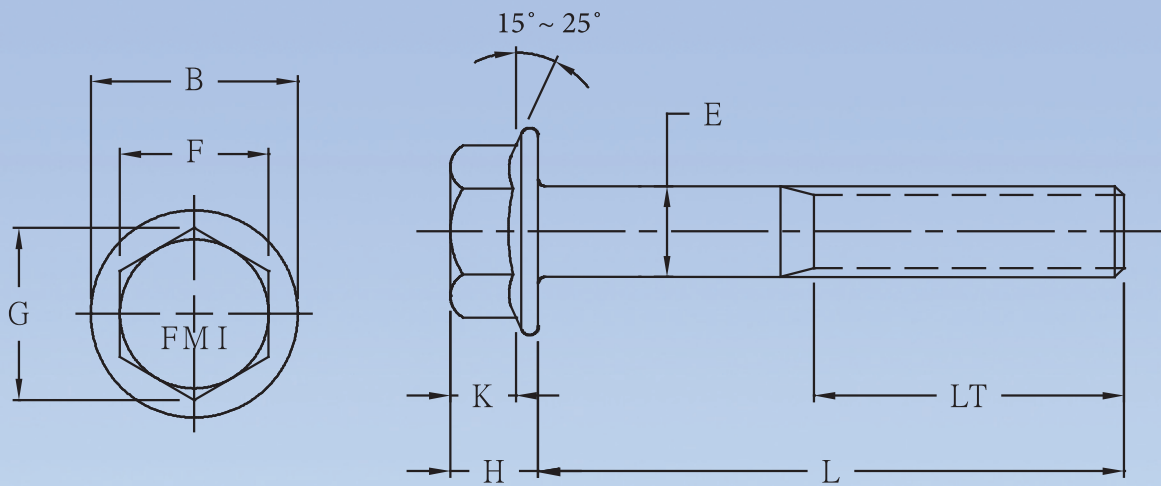
EN1665 Class 12.9

Material: Alloy Steel AISI 4135

Tensile Strength: Min 1220 MPa

Core Hardness: HRC 39~44

Class of Thread: M5 through M16, 6g



Unit: mm

Nominal Size of screw	F		G	B	E		H	K	LT
	Width Across Flats		Width Across Corners	Flange Diam	Body Diam		Head Height	Hex Height	Thread Length
	Max	Min	Min	Max	Max	Min	Max	Min	Basic
M5	8.00	7.78	8.71	11.80	5.00	4.82	5.80	2.80	16.00
M6	10.00	9.78	10.95	14.20	6.00	5.82	6.60	3.40	18.00
M8	13.00	12.73	14.26	18.00	8.00	7.78	8.10	4.20	22.00
M10	16.00	15.73	17.62	22.30	10.00	9.78	10.40	5.70	26.00
M12	18.00	17.73	19.86	26.60	12.00	11.73	11.80	6.10	30.00
M14	21.00	20.67	23.15	30.50	14.00	13.73	13.70	7.10	34.00
M16	24.00	23.67	26.51	35.00	16.00	15.73	15.40	8.70	38.00

HEXAGON SOCKET HEAD CAP SCREW



According to: ASME B18.3

Material: Alloy Steel AISI 4135

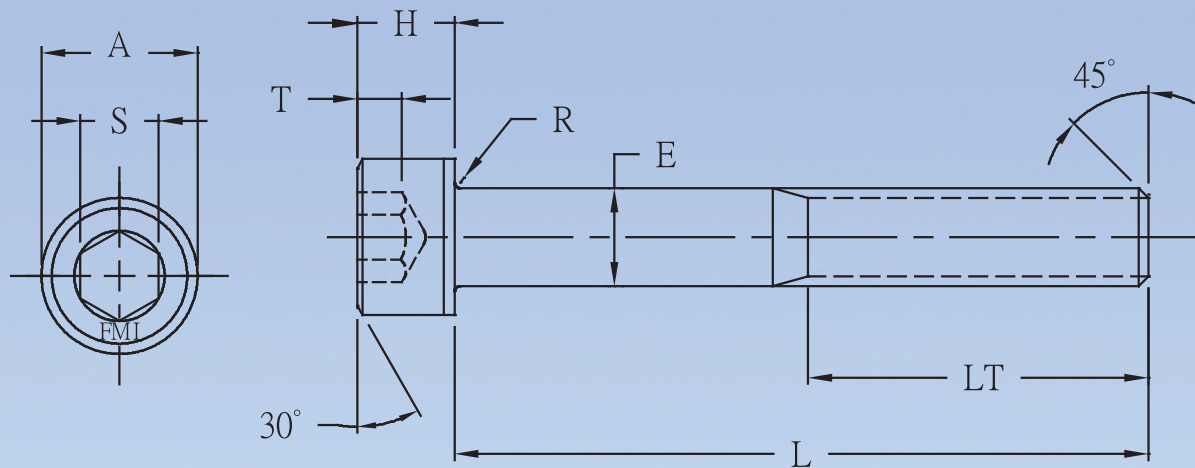
Wedge Tensile: Min 180,000psi

Core Hardness: HRC 39~45

Surface Treatment: Plain

Screw Threads: ANSI B1.1 UNC, UNF

Class of Thread: #4 through 3/4, 3A



Unit: Inch

Nominal Size of screw	A		H		E		S		T	LT
	Head Diam		Head Height		Body Diam		Hexagon Socket Size		Key Engagement	Thread Length
	Max	Min	Max	Min	Max	Min	Nom.		Min	Min
#4	0.183	0.176	0.112	0.108	0.1120	0.1075	3/12	0.094	0.051	0.75
#6	0.226	0.218	0.138	0.134	0.1380	0.1329	7/64	0.109	0.064	0.75
#8	0.270	0.262	0.164	0.159	0.1640	0.1585	9/64	0.141	0.077	0.88
#10	0.312	0.303	0.190	0.185	0.1900	0.1840	5/32	0.156	0.090	0.88
1/4	0.375	0.365	0.250	0.244	0.2500	0.2435	3/16	0.188	0.120	1.00
5/16	0.469	0.457	0.312	0.306	0.3125	0.3053	1/4	0.250	0.151	1.12
3/8	0.562	0.550	0.375	0.368	0.3750	0.3678	5/16	0.312	0.182	1.25
7/16	0.656	0.642	0.438	0.430	0.4375	0.4294	3/8	0.375	0.213	1.38
1/2	0.750	0.735	0.500	0.492	0.5000	0.4919	3/8	0.375	0.245	1.50
5/8	0.938	0.921	0.625	0.616	0.6250	0.6163	1/2	0.500	0.307	1.75
3/4	1.125	1.107	0.750	0.740	0.7500	0.7406	5/8	0.625	0.370	2.00

HEXAGON SOCKET FLAT HEAD CAP SCREW



According to: ASME B18.3

Material: Alloy Steel AISI 4135

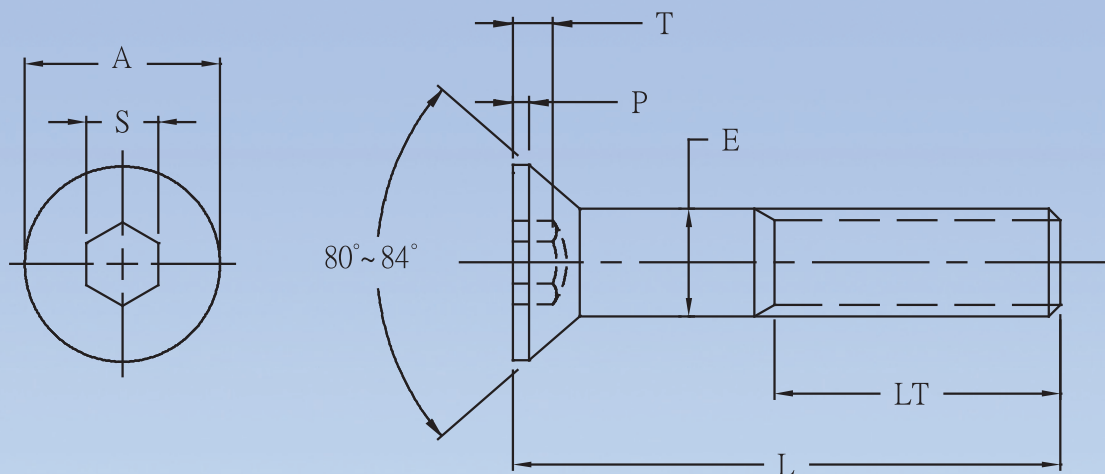
Tensile Strength: Min 145,000psi

Core Hardness: HRC 39~44

Surface Treatment: Plain

Screw Threads: ANSI B1.1 UNC, UNF

Class of Thread: #4 through 3/4, 3A



Unit: Inch

Nominal Size of Screw	A		P		E		S		T	LT
	Head Diameter		Protrusion		Body Diameter		Hexagon Socket Size		Key Engagement	Thread Length
	Theoretical Sharp	Abs								
	Max	Min	Max	Min	Max	Min	Nom		Min	Min
#4	0.255	0.218	0.049	0.036	0.1120	0.1075	1/16	0.062	0.055	0.75
#6	0.307	0.263	0.052	0.037	0.1380	0.1329	5/64	0.078	0.066	0.75
#8	0.359	0.311	0.055	0.039	0.1640	0.1585	3/32	0.094	0.076	0.88
#10	0.411	0.359	0.058	0.041	0.1900	0.1840	1/8	0.125	0.087	0.88
1/4	0.531	0.480	0.064	0.043	0.2500	0.2435	5/32	0.156	0.111	1.00
5/16	0.656	0.600	0.070	0.047	0.3125	0.3053	3/16	0.188	0.135	1.12
3/8	0.781	0.720	0.076	0.050	0.3750	0.3678	7/32	0.219	0.159	1.25
7/16	0.844	0.781	0.092	0.063	0.4375	0.4294	1/4	0.250	0.159	1.38
1/2	0.938	0.872	0.119	0.087	0.5000	0.4919	5/16	0.312	0.172	1.50
5/8	1.188	1.112	0.135	0.096	0.6250	0.6163	3/8	0.375	0.220	1.75
3/4	1.438	1.355	0.150	0.105	0.7500	0.7406	1/2	0.500	0.220	2.00

HEXAGON SOCKET BUTTON HEAD CAP SCREW



According to: ASME B18.3

Material: Alloy Steel AISI 4135

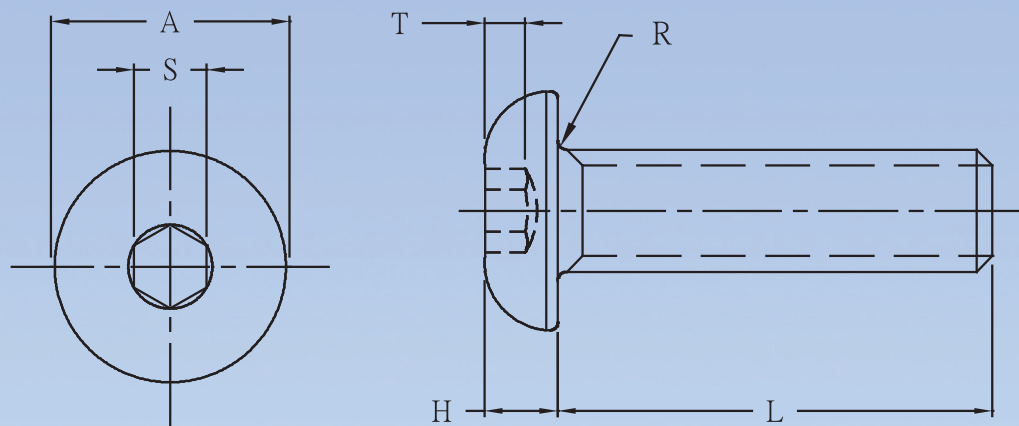
Tensile Strength: Min 145,000psi

Core Hardness: HRC 39~44

Surface Treatment: Plain

Screw Threads: ANSI B1.1 UNC, UNF

Class of Thread: #4 through 5/8, 3A



Unit: Inch

Nominal Size of Screw	A		H		S		T	L
	Head Diam		Head Height		Hexagon Socket Size		Key Engagement	Maximum Standard Length
	Max	Min	Max	Min	Nom		Min	Nom
#4	0.213	0.201	0.059	0.051	1/16	0.062	0.035	1/2
#6	0.262	0.250	0.073	0.063	5/64	0.078	0.044	5/8
#8	0.312	0.298	0.087	0.077	3/32	0.094	0.052	3/4
#10	0.361	0.347	0.101	0.091	1/8	0.125	0.070	1
1/4	0.437	0.419	0.132	0.122	5/32	0.156	0.087	1
5/16	0.547	0.527	0.166	0.152	3/16	0.188	0.105	1
3/8	0.656	0.636	0.199	0.185	7/32	0.219	0.122	1-1/4
1/2	0.875	0.851	0.265	0.245	5/16	0.312	0.175	2
5/8	1.000	0.970	0.331	0.311	3/8	0.375	0.210	2

DOWEL PINS

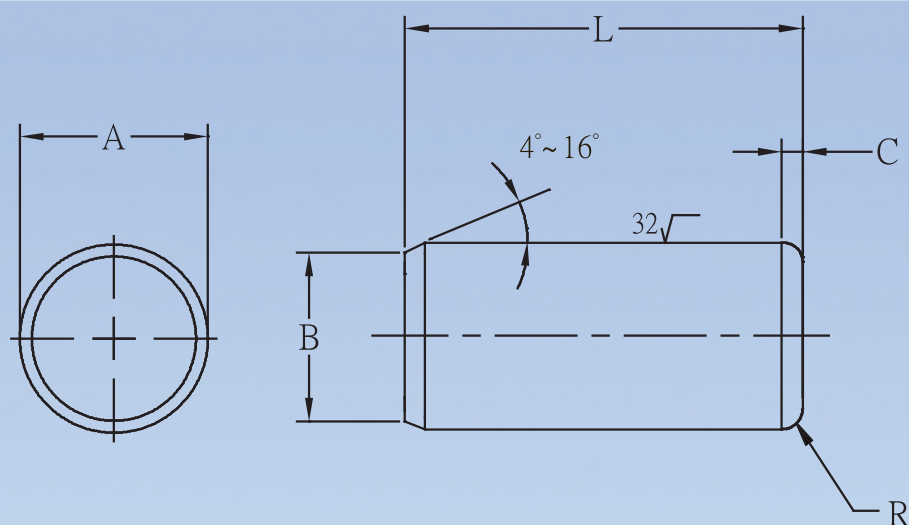


According to: ANSI B18.8.2

Through Hardened: HRC 50~58 Core

Case Hardened: HRC 47~58 Core

Surface Hardness: Min HRC 60



Unit: Inch

Nominal Size or Basic Diameter	A						B		C	R
	Pin Diam						Point Diam	Crown Height	Crown Radius	
	Standard Series Pins			Oversize Series Pins						
	Basic	Max.	Min.	Basic	Max.	Min.	Max	Min	Max	Min
1/16	0.0627	0.0628	0.0626	0.0635	0.0636	0.0634	0.058	0.048	0.020	0.008
5/64	0.0783	0.0784	0.0782	0.0791	0.0792	0.0790	0.074	0.064	0.026	0.010
3/32	0.0938	0.0941	0.0939	0.0948	0.0949	0.0947	0.089	0.079	0.031	0.012
1/8	0.1252	0.1253	0.1251	0.1260	0.1261	0.1259	0.120	0.110	0.041	0.016
3/16	0.1877	0.1878	0.1876	0.1885	0.1886	0.1884	0.180	0.170	0.062	0.023
1/4	0.2502	0.2503	0.2501	0.2510	0.2511	0.2509	0.240	0.230	0.083	0.031
5/16	0.3127	0.3128	0.3126	0.3135	0.3136	0.3134	0.302	0.290	0.104	0.039
3/8	0.3752	0.3753	0.3751	0.3760	0.3761	0.3759	0.365	0.350	0.125	0.047
7/16	0.4377	0.4378	0.4376	0.4385	0.4386	0.4384	0.424	0.409	0.146	0.055
1/2	0.5002	0.5003	0.5001	0.5010	0.5011	0.5009	0.486	0.471	0.167	0.063
5/8	0.6252	0.6253	0.6251	0.6260	0.6261	0.6259	0.611	0.595	0.208	0.078
3/4	0.7502	0.7503	0.7501	0.7510	0.7511	0.7509	0.735	0.715	0.250	0.094
7/8	0.8752	0.8753	0.8751	0.8760	0.8761	0.8759	0.860	0.840	0.293	0.109
1	1.0002	1.0003	1.0001	1.0010	1.0011	1.0009	0.980	0.960	0.333	0.125