

# DiCFASTENERS

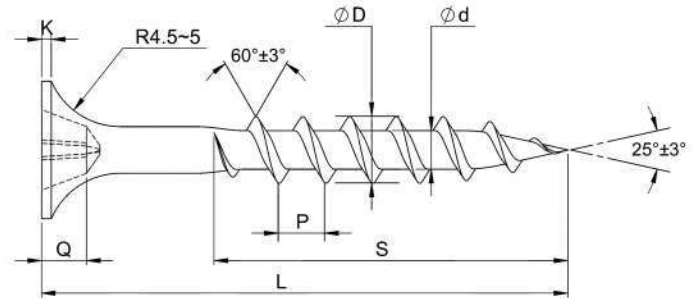
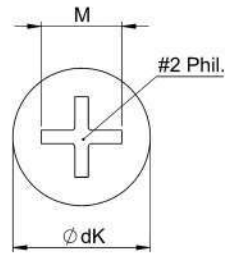
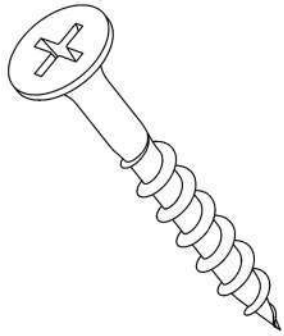
A Brand by Dedicated Impex Co.



**SCREWS**

Product Name	Page No.
Drywall Screw.....	03-04
Hex Coach Screw.....	05
Self Drilling Screw.....	06-19
Hex Socket Set Screw.....	20-24
Socket Cap Screw.....	25-39
Wood Screw.....	40
Flat Head Screw.....	41-42
Oval Head Screw.....	43-44
Pan Head Screw.....	45-46
Round Head Screw.....	47-48

# DRYWALL SCREWS

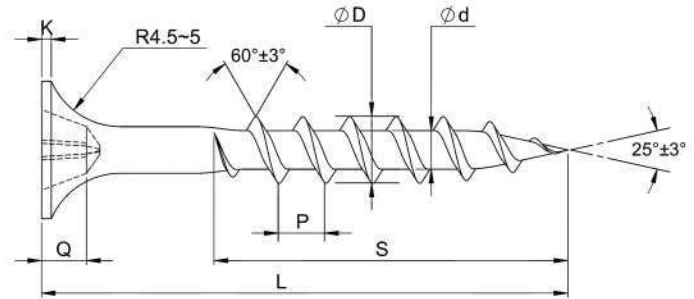
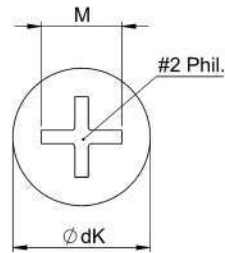
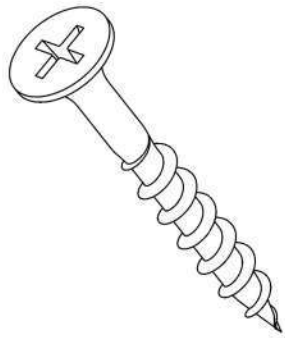


Specifications							
size	ØdK	M	Q	K	P	ØD	Ød
#6 (3.5)	8~8.4	4.5~5.1	2.64~3	0.8 max.	2.8	3.6~3.9	2.05~2.35
#7 (3.9)	8~8.4	4.5~5.1	2.64~3	0.8 max.	2.8	3.8~4.2	2.2~2.5
#8 (4.2)	8~8.4	4.5~5.1	2.65~3.1	0.8 max.	2.8	4.2~4.8	2.55~2.85
#10 (4.8)	8.8~9.2	4.5~5.1	2.7~3.18	0.8 max.	3.1	4.9~5.3	3.05~3.35

Thread Length	
L	S
L<55	full thread
56~80	50
L>81	60

Breaking Torque				
size	#6	#7	#8	#10
KG-CM	28	35	47	67

# Continue...



## Specifications

size	ØdK	M	Q	K	P	ØD	Ød
#6 (3.5)	8~8.4	4.5~5.1	2.64~3	0.8 max.	1.69	3.4~3.6	2.2~2.4
#7 (3.9)	8~8.4	4.5~5.1	2.64~3	0.8 max.	1.69	3.8~4	2.4~2.6
#8 (4.2)	8~8.4	4.5~5.1	2.65~3.1	0.8 max.	1.69	4.1~4.3	2.6~2.8
#10 (4.8)	8.8~9.2	4.5~5.1	2.7~3.18	0.8 max.	2.12	4.8~5	3.2~3.4

## Thread Length

L	S
L<55	full thread
56~80	50
L>81	60

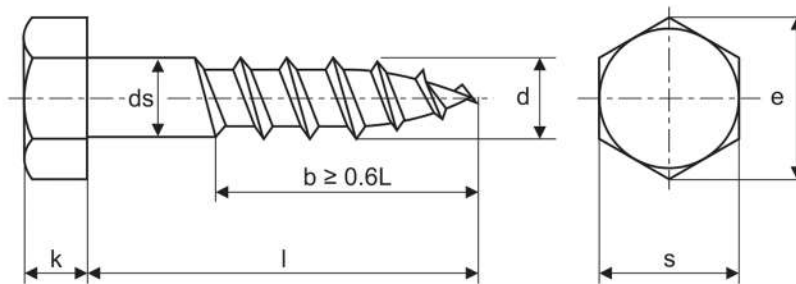
## Breaking Torque

size	#6	#7	#8	#10
KG-CM	28	35	47	67

Drywall Screw Standard Series. Fine Thread (for metal applications).

Head Type: Bugle Head	Material: Carbon Steel
Recess Type: Phillips	Case Hardened Depth: 0.1~0.15mm
Thread Type: fine twinfast	Surface Hardness: 550~750 HV

# HEX COACH SCREWS

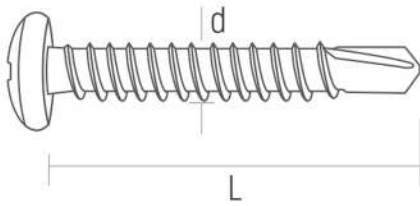


## DIN 571 Dimensions of coach screws

Diameter $d$	Diameter of shank $d$		Thickness of head $k$		Width across flats $s$	
	max.	min.	max.	min.	max.	min.
M4	4.00	3.52	3.10	2.50	7.00	6.64
M5	5.00	4.52	3.88	3.13	8.00	7.64
M6	6.00	5.52	4.38	3.63	10.00	9.64
M7	7.00	6.42	5.38	4.63	12.00	11.57
M8	8.00	7.42	5.88	5.13	13.00	12.57
M10	10.00	9.42	7.45	6.55	17.00	16.57
M12	12.00	11.30	8.45	7.55	19.00	18.46
M16	16.00	15.30	10.45	9.55	24.00	23.16

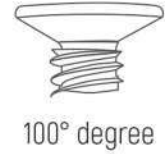
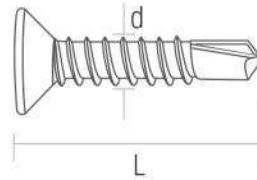
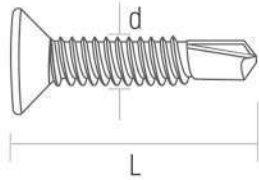


# SELF DRILLING SCREWS



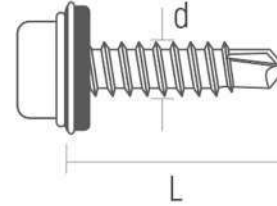
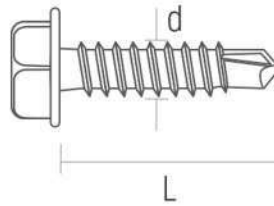
## Philips Pan Head

Size	Length (inch)	Length (mm)	Drill Point (m/m)	Drill Capacity (m/m)
#6-20 M3.5	3/8"	10	#2	0.5 - 1.0
	1/2"	13	#2	0.5 - 1.0
	5/8"	16	#2	0.5 - 1.0
#8-18 M4.2	1/2"	13	#2	1.0 - 2.0
	5/8"	16	#2	1.0 - 2.0
	3/4"	19	#2	1.0 - 2.0
	1"	25	#2	1.0 - 2.0
	1-1/4"	32	#2	1.0 - 2.0
	1-1/2"	38	#2	1.0 - 2.0
#10-16 M4.8	1/2"	13	#2	1.0 - 2.0
	5/8"	16	#2	1.0 - 2.0
	3/4"	19	#2	1.0 - 2.0
	1"	25	#3	1.0 - 3.0
	1-1/4"	32	#3	1.0 - 3.0
	1-1/2"	38	#3	1.0 - 3.0
	2"	50	#3	1.0 - 3.0



### Countersunk Head Screw

Size	Length (inch)	Length (mm)	Drill Point (m/m)	Drill Capacity (m/m)
#6-20 M3.5	3/8"	10	#2	0.5 - 1.0
	1/2"	13	#2	0.5 - 1.0
	5/8"	16	#2	0.5 - 1.0
	3/4"	19	#2	0.5 - 1.0
	1"	25	#2	0.5 - 1.0
#8-18 M4.2	1/2"	13	#2	1.0 - 2.0
	5/8"	16	#2	1.0 - 2.0
	3/4"	19	#2	1.0 - 2.0
	1"	25	#2	1.0 - 2.0
#10-16 M4.8	1/2"	13	#2	1.0 - 2.0
	5/8"	16	#2	1.0 - 2.0
	3/4"	19	#2	1.0 - 2.0
	1"	25	#3	1.0 - 3.0
	1-1/4"	32	#3	1.0 - 3.0
1-1/2"	38	#3	1.0 - 3.0	



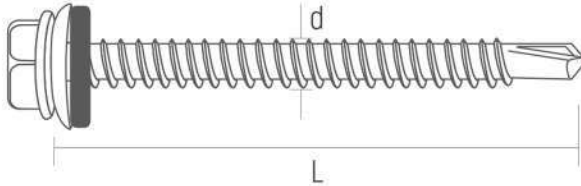
### Light duty Hex Washer Head

Size	Length (inch)	Length (mm)	Drill Point (m/m)	Drill Capacity (m/m)
#6-20 M3.5	3/8"	10	#2	0.5 - 1.0
	1/2"	13	#2	0.5 - 1.0
	5/8"	16	#2	0.5 - 1.0
#8-18 M4.2	1/2"	13	#2	1.0 - 2.0
	5/8"	16	#2	1.0 - 2.0
	3/4"	19	#2	1.0 - 2.0
	1"	25	#2	1.0 - 2.0
	1-1/4"	32	#2	1.0 - 2.0
	1-1/2"	38	#2	1.0 - 2.0
#10-16 M4.8	1/2"	13	#2	1.0 - 2.0
	5/8"	16	#2	1.0 - 2.0
	3/4"	19	#2	1.0 - 2.0
	1"	25	#3	1.0 - 3.0
	1-1/4"	32	#3	1.0 - 3.0
	1-1/2"	38	#3	1.0 - 3.0
	2"	50	#3	1.0 - 3.0



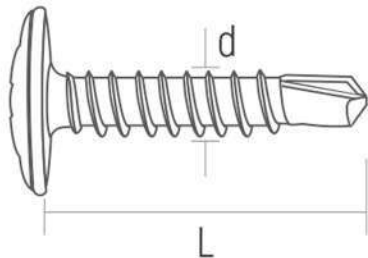
# Continue...

## Self Drilling Screws



Medium duty (Hex Washer Head)

Size	Length (inch)	Length (mm)	Drill Point (m/m)	Drill Capacity (m/m)
#12-14 M5.5	3/4"	19	#3	2.0 - 4.0
	1"	25	#3	2.0 - 4.0
	1-1/4"	32	#3	2.0 - 4.0
	1-1/2"	38	#3	2.0 - 4.0
	2"	50	#3	2.0 - 4.0
	2-1/2"	63	#3	2.0 - 4.0
#14-14 M6.3	3"	75	#3	2.0 - 4.0
	3/4"	19	#3	2.0 - 4.0
	1"	25	#3	2.0 - 4.0
	1-1/4"	32	#3	2.0 - 4.0
	1-1/2"	38	#3	2.0 - 4.0
	2"	50	#3	2.0 - 4.0
	2-1/2"	63	#3	2.0 - 4.0
	3"	75	#3	2.0 - 4.0
	4"	100	#3	2.0 - 4.0
5"	125	#3	2.0 - 4.0	

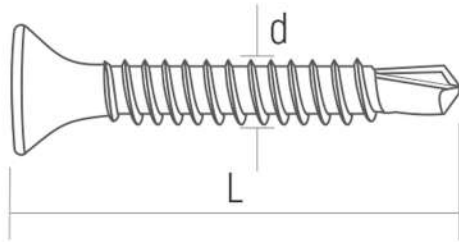


### Phillips (Truss Head)

Size	Length (inch)	Length (mm)	Drill Point (m/m)	Drill Capacity (m/m)
#8-18 M4.2	1/2"	13	#2	1.0 - 2.0
	5/8"	16	#2	1.0 - 2.0
	3/4"	19	#2	1.0 - 2.0
	1"	25	#2	1.0 - 2.0
	1-1/4"	32	#2	1.0 - 2.0
	1-5/8"	41	#2	1.0 - 2.0

# Continue...

## Self Drilling Screws

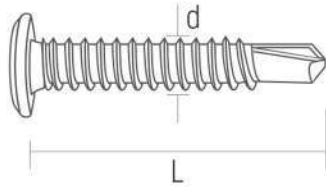
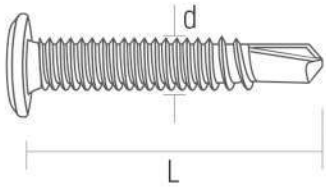


### Phillips Bugle Head

Size	Length (inch)	Length (mm)	Drill Point (m/m)	Drill Capacity (m/m)
#6-20 M3.5	1"	25	#2	0.5 - 1.0
	1-1/8"	28	#2	0.5 - 1.0
	1-1/4"	32	#2	0.5 - 1.0
	1-5/8"	41	#2	0.5 - 1.0
	2"	50	#2	0.5 - 1.0
#8-18 M4.2	1"	25	#2	1.0 - 2.0
	1-1/4"	32	#2	1.0 - 2.0
	2"	50	#2	1.0 - 2.0
	2-3/8"	60	#2	1.0 - 2.0
	2-5/8"	65	#2	1.0 - 2.0
	3"	75	#2	1.0 - 2.0

# Continue...

## Self Drilling Screws

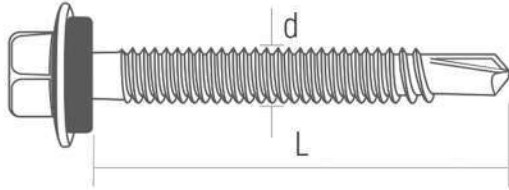


### Philips Wafer Head

Size	Length (inch)	Length (mm)	Drill Point (m/m)	Drill Capacity (m/m)
#10-16 M4.8	5/8"	16	#2	1.0 - 2.0
	7/8"	22	#2	1.0 - 2.0
	1-1/4"	32	#3	1.0 - 3.0
	1-1/2"	38	#3	1.0 - 3.0
#10-24 M4.8	5/8"	16	#2	1.0 - 2.0
	7/8"	22	#2	1.0 - 2.0
	1-1/4"	32	#3	1.0 - 3.0
	1-1/2"	38	#3	1.0 - 3.0

# Continue...

## Self Drilling Screws

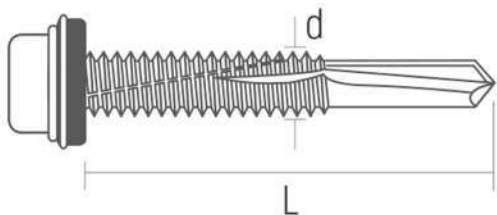


### Hex Washer Flange

Size	Length (inch)	Length (mm)	Drill Point (m/m)	Drill Capacity (m/m)
#12-24 M5.5	3/4"	19	#3	2.0 - 4.0
	1"	25	#3	2.0 - 4.0
	-3/8"	35	#3	2.0 - 4.0
	1-1/2"	38	#3	2.0 - 4.0
	1-3/4"	45	#3	2.0 - 4.0
	2"	50	#3	2.0 - 4.0
	2-3/16"	55	#3	2.0 - 4.0
	2-1/2"	63	#3	2.0 - 4.0
	3"	75	#3	2.0 - 4.0
	3-1/2"	88	#3	2.0 - 4.0
	4"	100	#3	2.0 - 4.0
	5"	125	#3	2.0 - 4.0

# Continue...

## Self Drilling Screws



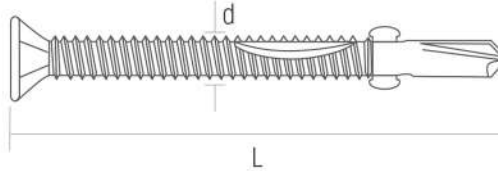
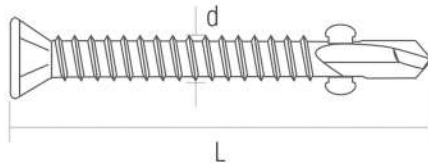
Heavy duty steel to steel applications  
Hex Washer Head

Size	Length (inch)	Length (mm)	Drill Point (m/m)	Drill Capacity (m/m)
#12 M5.5	1-1/4"	32	#5	12.0
	1-1/2"	38	#5	12.0
	2"	50	#5	12.0
	2-1/2"	63	#5	12.0
	3"	75	#5	12.0



# Continue...

## Self Drilling Screws

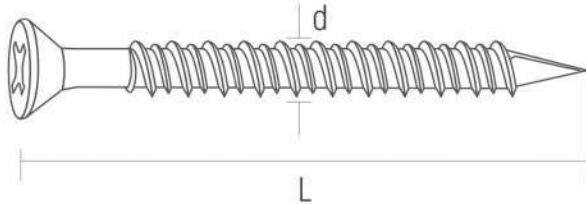


### Countersunk Wings

Size	Length (inch)	Length (mm)	Drill Point (m/m)	Drill Capacity (m/m)
#10 M4.8	1"	25	#3	1.0 - 3.0
	1-1/4"	32	#3	1.0 - 3.0
	1-1/2"	38	#3	1.0 - 3.0
	1-3/4"	45	#3	1.0 - 3.0
#12 M5.5	1-1/2"	38	#3	2.0 - 4.0
	2"	50	#3 · #5	2.0 - 4.0 · 12.0
	2-3/16"	55	#3 · #5	2.0 - 4.0 · 12.0
	3"	75	#3 · #5	2.0 - 4.0 · 12.0
	3-5/32"	80	#3 · #5	2.0 - 4.0 · 12.0
	3-1/2"	45	#3 · #5	2.0 - 4.0 · 12.0
#14 M6.3	4-3/4"	120	#3 · #5	2.0 - 4.0 · 12.0
	2"	50	#4 · #5	7.0 - 8.0 · 12.0
	3-5/32"	80	#4 · #5	7.0 - 8.0 · 12.0
	3-1/2"	88	#4 · #5	7.0 - 8.0 · 12.0
	4-3/4"	120	#4 · #5	7.0 - 8.0 · 12.0
	6"	150	#4 · #5	7.0 - 8.0 · 12.0

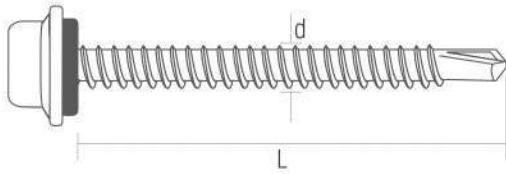
# Continue...

## Self Drilling Screws



### Concrete & Masonry Application

Size	Length (inch)	Dia. x Length (m/m)	Drill Point (m/m)
#14 M6.3	2-3/8"	60	Diamond
	3"	75	Diamond
	3-5/32"	80	Diamond
	3-1/2"	90	Diamond
	4"	100	Diamond
	5"	125	Diamond
	5-1/2"	140	Diamond
	6-5/16"	160	Diamond
	7-1/8"	180	Diamond
	7-7/8"	200	Diamond

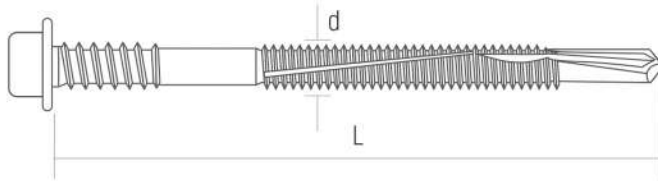


### Stainless Steel Cap Self-Drilling Screw

Size (inch)	Length (inch)	Length (m/m)	Drill Point (m/m)	Drill Capacity (m/m)
#10-16 M4.8	5/8"	16	#2	1.0 - 2.0
	3/4"	19	#2	1.0 - 2.0
	1"	25	#3	1.0 - 3.0
	1-1/2"	38	#3	1.0 - 3.0
#12-14 M5.5	3/4"	19	#3	1.0 - 4.0
	1"	25	#3	1.0 - 4.0
	1-1/2"	38	#3	1.0 - 4.0
	2"	50	#3	1.0 - 4.0
	2-5/6"	65	#3	1.0 - 4.0
	3"	75	#3	1.0 - 4.0
	3-1/2"	90	#3	1.0 - 4.0
	4"	100	#3	1.0 - 4.0
5"	125	#3	1.0 - 4.0	
#14-14 M6.3	3/4"	19	#3	2.0 - 4.0
	1"	25	#3	2.0 - 4.0
	1-1/4"	32	#3	2.0 - 4.0
	1-1/2"	38	#3	2.0 - 4.0
	2"	50	#3	2.0 - 4.0
	2-5/8"	65	#3	2.0 - 4.0
	3"	75	#3	2.0 - 4.0
	3-1/2"	90	#3	2.0 - 4.0
	4"	100	#3	2.0 - 4.0
	14 x 5"	125	#3	2.0 - 4.0
6"	150	#3	2.0 - 4.0	

# Continue...

## Self Drilling Screws

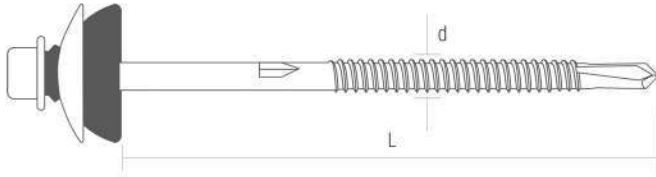


### Double Thread

Size	Length (inch)	Length (m/m)	Drill Point (m/m)	Drill Capacity (m/m)
#14-14 / #12-24 M6.3 / M5.5	2-3/8"	60	#5	12.0
	3-5/32"	80	#5	12.0
	4"	100	#5	12.0
	5"	125	#5	12.0
	6"	150	#5	12.0
	2-3/8"	60	#5	12.0
	3-5/32"	80	#5	12.0
	5"	125	#5	12.0
	4"	100	#5	12.0
	6"	150	#5	12.0
	7"	175	#5	12.0
	8"	200	#5	12.0
	10"	250	#5	12.0
	11"	275	#5	12.0

# Continue...

## Self Drilling Screws



### Hex Washer Head Wing Up With Washer

Size	Length [inch]	Length [m/m]	Drill Point [m/m]	Drill Capacity [m/m]
#14-20 M6.3	4-5/32"	105	#5	12.0
	4-9/16"	115	#5	12.0
	5"	125	#5	12.0
	5-3/4"	145	#5	12.0
	6-1/8"	155	#5	12.0

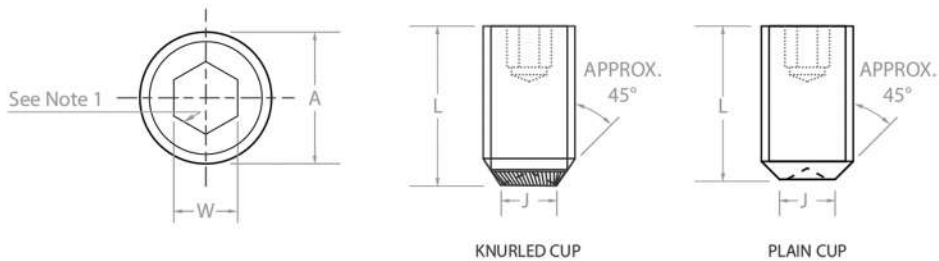
### Long Size Screws

Size	Length [inch]	Length [m/m]	Drill Point [m/m]	Drill Capacity [m/m]
#10 M4.8	6"	150	#2	1.0 - 2.0
	7"	175	#2	1.0 - 2.0
	8"	200	#2	1.0 - 2.0
#14 M6.3	6"	150	#3	2.0 - 4.0
	7"	175	#3	2.0 - 4.0
	8"	200	#3	2.0 - 4.0
#12 M5.5	6"	150	#5	12.0
	7"	175	#5	12.0
	8"	200	#5	12.0
#14-14 / #12-12 M6.3 / 5.5	6"	150	#5	12.0
	7"	175	#5	12.0
	8"	200	#5	12.0

# HEX SOCKET SET SCREWS

## Socket Set Screws

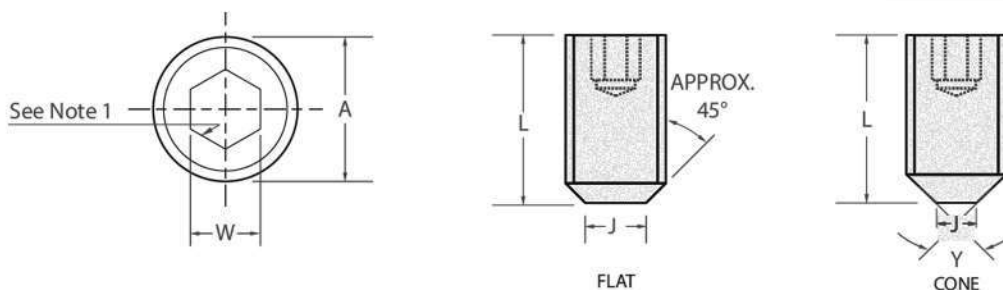
Knurled, Plain, Flat and Cone Point



### Product Dimensions

Thread size A nom.	Pitch	Hex Socket Size W nom.	Knurled Cup Point		Plain Cup Point	
			J max	L - min preferred	J max	L - min preferred
M2.5	0.45	1.27	-	-	1.2	3.0
M3	0.50	1.5	1.30	3.0	1.4	3.0
M4	0.70	2.0	2.10	3.0	2.0	3.0
M5	0.80	2.5	2.40	4.0	2.5	4.0
M6	1.00	3.0	3.30	5.0	3.0	4.0
M8	1.25	4.0	4.30	6.0	5.0	5.0
M10	1.50	5.0	5.25	8.0	6.0	6.0
M12	1.75	6.0	6.60	10.0	8.0	8.0
(M14)	2.00	6.0	8.10	12.0	9.0	10.0
M16	2.00	8.0	9.10	14.0	10.0	12.0
(M18)	2.50	10.0	10.30	16.0	12.0	14.0
M20	2.50	10.0	11.50	18.0	14.0	16.0
(M22)	2.50	12.0	12.65	20.0	16.0	18.0
M24	3.00	12.0	14.65	20.0	16.0	20.0





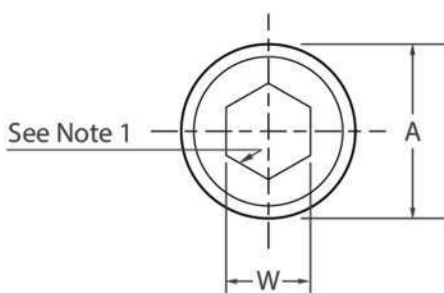
Thread size A nom.	Pitch	Hex Socket Size W nom.	Flat Point		Cone Point		
			J max.	L - min Preferred	J max.	L - min Preferred	$y^\circ \pm 2^\circ$ 90° for these Lengths & Over; and 120° Under
M3	0.50	1.5	2.0	3.0	Sharp	4.0	4.0
M4	0.70	2.0	2.5	3.0	Sharp	4.0	5.0
M5	0.80	2.5	3.5	4.0	Sharp	5.0	6.0
M6	1.00	3.0	4.0	4.0	1.5	6.0	8.0
M8	1.25	4.0	5.5	5.0	2.0	6.0	10.0
M10	1.50	5.0	7.0	6.0	2.5	8.0	12.0
M12	1.75	6.0	8.5	8.0	3.0	10.0	14.0
(M14)	2.00	6.0	10.0	10.0	4.0	12.0	14.0
M16	2.00	8.0	12.0	12.0	4.0	14.0	18.0
(M18)	2.50	10.0	13.0	12.0	5.0	16.0	20.0
M20	2.50	10.0	15.0	14.0	5.0	18.0	22.0
(M22)	2.50	12.0	17.0	16.0	6.0	20.0	28.0
M24	3.00	12.0	18.0	20.0	6.0	20.0	28.0

# Continue...

## Socket Set Screws Full & Half Dog Point

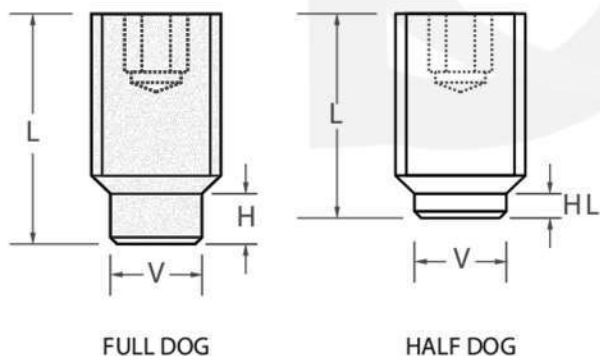
## Product Dimensions

Thread size A nom.	Pitch	Hex Socket Size W nom.	L (See Note 4)	Dog Point		
				H-Full Dog	HL-Half Dog	V
				max	max	max
M3	0.50	1.5	5.00	1.75	1.00	2.00
M4	0.70	2.0	6.00	2.25	1.25	2.50
M5	0.80	2.5	6.00	2.75	1.50	3.50
M6	1.00	3.0	8.00	3.25	1.75	4.00
M8	1.25	4.0	10.00	4.30	2.25	5.50
M10	1.50	5.0	12.00	5.30	2.75	7.00
M12	1.75	6.0	16.00	6.30	3.25	8.50
(M14)	2.00	6.0	20.00	7.36	3.80	10.00
M16	2.00	8.0	20.00	8.36	4.30	12.00
(M18)	2.50	10.0	25.00	9.36	4.80	13.00
M20	2.50	10.0	25.00	10.36	5.30	15.00
(M22)	2.50	12.0	30.00	11.43	5.80	17.00
M24	3.00	12.0	30.00	12.43	6.30	18.00

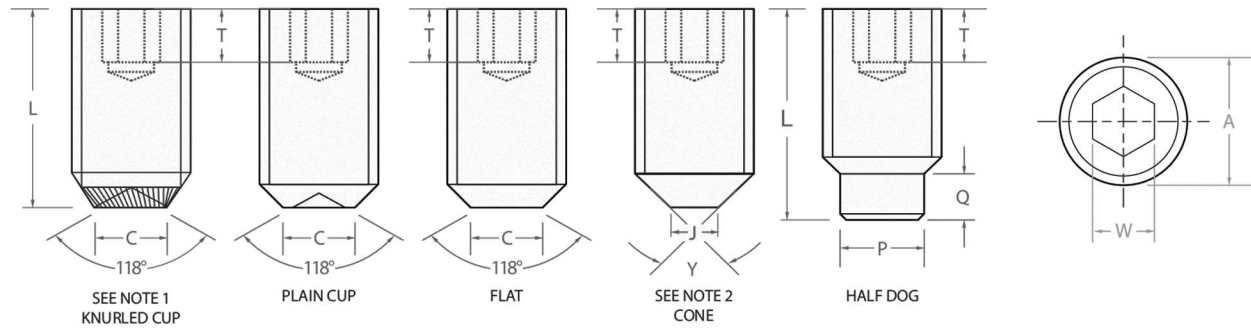


## Application Data

Thread size	Maximum Tightening Torque	
	Nm	lbf.in.
M3	0.87	7.7
M4	2.20	19.5
M5	4.60	41.0
M6	7.80	69.0
M8	18.00	160.0
M10	36.00	320.0
M12	62.00	550.0
(M14)	62.00	550.0
M16	150.00	1,330.0
(M18)	290.00	2,570.0
M20	290.00	2,570.0
(M22)	475.00	4,200.0
M24	475.00	4,200.0



# Continue...

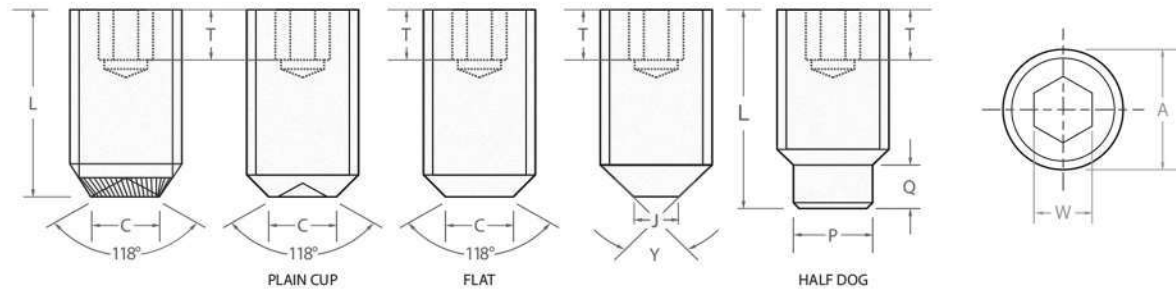


## Product Dimensions

nom. size	Threads per inch.		Head Diameter A			Hex Socket Size		
	UNRC	UNRF	max	UNRC	UNRF	W nom	C	
							max	min
#0	–	80	.0600	–	.0568	.028	.033	.027
#1	64	72	.0730	.0692	.0695	.035	.040	.033
#2	56	64	.0860	.0819	.0822	.035	.047	.039
#3	48	56	.0990	.0945	.0949	.050	.054	.045
#4	40	48	.1120	.1069	.1075	.050	.061	.051
#5	40	44	.1250	.1199	.1202	.0625	.067	.057
#6	32	40	.1380	.1320	.1329	.0625	.074	.064
#8	32	36	.1640	.1580	.1585	.0781	.087	.076
#10	24	32	.1900	.1825	.1840	.0937	.102	.088

nom. size	Q		T*	P		Recommended ** seating torque In-lbs	screw length nom.
	max	min	min	max	min		
#0	.017	.013	.035	.040	.037	1.0	3/32
#1	.021	.017	.035	.049	.045	1.8	1/8
#2	.024	.020	.035	.057	.053	1.8	1/8
#3	.027	.023	.060	.066	.062	5	5/32
#4	.030	.026	.075	.075	.070	5	5/32
#5	.033	.027	.075	.083	.078	10	5/32
#6	.038	.032	.075	.092	.087	10	3/16
#8	.043	.037	.075	.109	.103	20	3/16
#10	.049	.041	.105	.127	.120	36	3/16

# Continue...



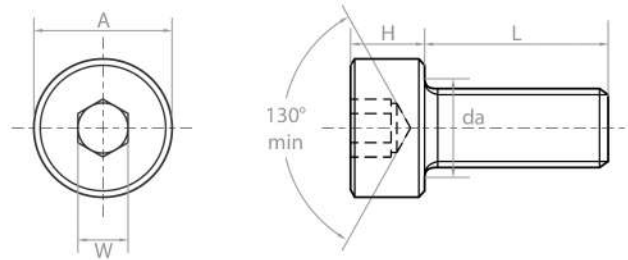
nom. size	Thread per inch.		Head Diameter A			Hex Socket Size W	C	
	UNRC	UNRF	max	UNRC	UNRF	nom	max	min
	1/4	20	28	.2500	.2419	.2435	.125	.132
5/16	18	24	.3125	.3038	.3053	.1562	.172	.156
3/8	16	24	.3750	.3656	.3678	.1875	.212	.194
7/16	14	20	.4375	.4272	.4294	.2187	.252	.232
1/2	13	20	.5000	.4891	.4919	.250	.291	.270
9/16	12	18	.5625	.5511	.5538	.250	.332	.309
5/8	11	18	.6250	.6129	.6163	.3125	.371	.347
3/4	10	16	.7500	.7371	.7406	.375	.450	.425
7/8	9	14	.8750	.8611	.8647	.500	.530	.502
1	8	12	1.0000	.9850	.9886	.5625	.609	.579
1 1/8	7	12	1.1250	1.1086	1.1136	.5625	.689	.655
1 1/4	7	12	1.2500	1.2336	1.2386	.625	.767	.733
1 3/8	6	12	1.3750	1.3568	1.3636	.625	.848	.808
1 1/2	6	12	1.5000	1.4818	1.4886	.750	.926	.886

nom. size	Q		T*	P		Recommended ** seating torque In-lbs	screw length nom.
	max	min	min	max	min		
1/4	.067	.059	.105	.156	.149	87	5/16
5/16	.082	.074	.140	.203	.195	165	3/8
3/8	.099	.089	.140	.250	.241	290	7/16
7/16	.114	.104	.190	.297	.287	430	1/2
1/2	.130	.120	.210	.344	.334	620	9/16
9/16	.146	.136	.265	.390	.379	620	5/8
5/8	.164	.148	.265	.469	.456	1,325	11/16
3/4	.196	.180	.330	.562	.549	2,400	3/4
7/8	.227	.211	.450	.656	.642	3,600	3/4
1	.260	.240	.550	.750	.734	5,000	7/8
1 1/8	.291	.271	.650	.844	.826	7,200	1
1 1/4	.323	.303	.700	.938	.920	9,600	1 1/8
1 3/8	.354	.334	.700	1.031	1.011	9,600	1 1/4
1 1/2	.385	.365	.750	1.125	1.105	11,320	1 1/4



# SOCKET CAP SCREWS

METRIC

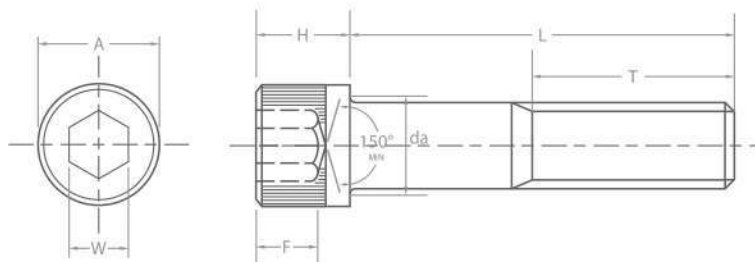


Product Dimensions ( Micro Sizes (M1.4 TO M2.6) )

Thread Size nom	Pitch	Head Diameter	Hex Socket Size	Head Height	Transition Dia da nom	Length L	
		A max	W nom	H max		min	max
M1.4	0.30	2.6	1.27	1.4	1.8	3	6
M1.6	0.35	3.0	1.50	1.6	2.0	3	6
(M1.7)	0.35	3.0	1.50	1.7	2.1	3	6
M1.8	0.35	3.4	1.50	1.8	2.3	3	6
M2	0.40	3.8	1.50	2.0	2.6	3	12
(M2.3)	0.40	4.0	2.00	2.3	2.9	4	15
M2.5	0.45	4.5	2.00	2.5	3.1	4	15
(M2.6)	0.45	4.5	2.00	2.6	3.2	4	15

Thread Size nom	Recommended Torques Setting					
	Unplated		Plated		Induced Load	
	Nm	lbf.in	Nm	lbf.in	kN	lbf
M1.4	0.20	1.8	0.15	1.3	733	164
M1.6	0.29	2.6	0.22	2.0	930	208
(M1.7)	0.35	3.1	0.26	2.3	1,100	246
M1.8	0.44	3.9	0.33	2.9	1,300	291
M2	0.60	5.3	0.45	4.0	1,550	347
(M2.3)	0.95	8.4	0.71	6.3	2,230	500
M2.5	1.21	10.7	0.90	8.0	2,590	580
(M2.6)	1.37	12.1	1.03	9.1	2,860	640

# Continue...



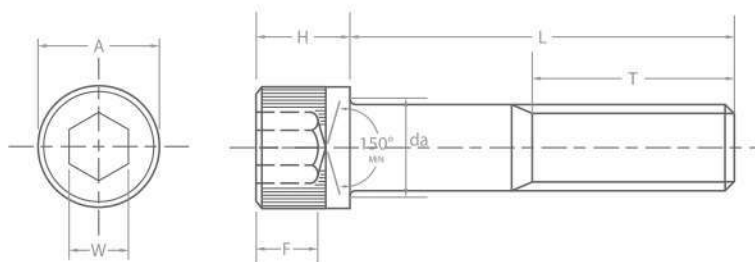
**METRIC**

## Product Dimensions ( Standard Sizes )

Thread Size nom.	Pitch	Head Diameter A max	Hex Socket Size W nom.	Head Height H max	Socket Depth F min.	Transition Dia da max	Length L Note 1	Thread Length T ref.
M3	0.50	5.5	2.5	3.0	1.3	3.60	20	18
M4	0.70	7.0	3.0	4.0	2.0	4.70	25	20
M5	0.80	8.5	4.0	5.0	2.5	5.70	25	22
M6	1.00	10.0	5.0	6.0	3.0	6.80	30	24
M8	1.25	13.0	6.0	8.0	4.0	9.20	35	28
M10	1.50	16.0	8.0	10.0	5.0	11.20	40	32
M12	1.75	18.0	10.0	12.0	6.0	13.70	50	36
(M14)	2.00	21.0	12.0	14.0	7.0	15.70	55	40
M16	2.00	24.0	14.0	16.0	8.0	17.70	60	44
(M18)	2.50	27.0	14.0	18.0	9.0	20.20	65	48
M20	2.50	30.0	17.0	20.0	10.0	22.40	70	52
(M22)	2.50	33.0	17.0	22.0	11.0	24.40	70	56
M24	3.00	36.0	19.0	24.0	12.0	26.40	80	60
M27	3.00	40.0	19.0	27.0	13.5	30.40	90	66
M30	3.50	45.0	22.0	30.0	15.5	33.40	100	72
M33	3.50	50.0	24.0	33.0	18.0	36.40	100	78
M36	4.00	54.0	27.0	36.0	19.0	39.40	110	84
M42	4.50	63.0	32.0	42.0	24.0	45.60	130	96



# Continue...

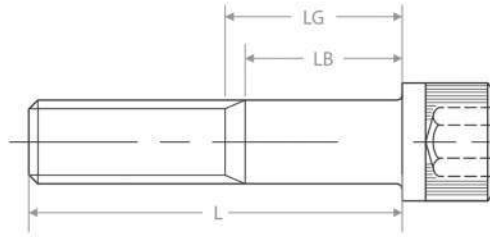


**METRIC**

## Product Dimensions ( Standard Sizes )

Thread Size nom.	Recommended Torques Setting				Induced Load	
	Unplated		Plated		kN	lbf
	N-m	in-lbs.	N-m	in-lbs.		
M3	2.1	18.6	1.6	14.2	3.99	890
M4	4.6	40.7	3.5	31.0	6.75	1,510
M5	9.5	84.1	7.1	62.8	11.10	2,480
M6	16.0	142.0	12.0	106.0	15.60	3,480
M8	39.0	345.0	29.0	257.0	28.70	6,400
M10	77.0	682.0	58.0	513.0	45.70	10,200
M12	135.0	1,200.0	101.0	894.0	66.70	14,900
(M14)	215.0	1,900.0	161.0	1,420.0	91.30	20,400
M16	330.0	2,920.0	248.0	2,190.0	126.00	28,100
(M18)	455.0	4,030.0	341.0	3,020.0	153.00	34,100
M20	650.0	5,750.0	488.0	4,320.0	197.00	44,000
(M22)	870.0	7,700.0	652.0	5,770.0	245.00	54,700
M24	1,100.0	9,740.0	825.0	7,300.0	284.00	63,400
M27	1,650.0	14,600.0	1,238.0	11,000.0	374.00	83,400
M30	2,250.0	19,900.0	1,688.0	15,000.0	454.00	101,000
M33	3,050.0	27,000.0	2,287.0	20,200.0	550.00	123,000
M36	3,850.0	34,100.0	2,888.0	25,000.0	664.00	148,000
M42	6,270.0	55,500.0	4,700.0	41,600.0	889.00	198,000

# Continue...

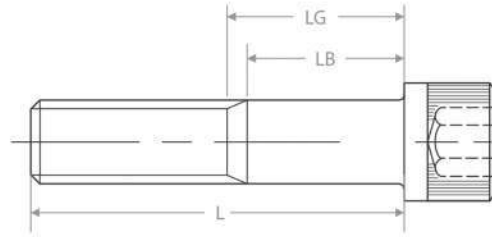


METRIC

Length L Nom.	M3		M4		M5		M6		M8		M10		M12		M14		M16		
	<i>L<sub>B</sub></i> (Min.)	<i>L<sub>G</sub></i> (Max.)	<i>L<sub>B</sub></i> (Min.)	<i>L<sub>G</sub></i> (Max.)	<i>L<sub>B</sub></i> (Min.)	<i>L<sub>G</sub></i> (Max.)	<i>L<sub>B</sub></i> (Min.)	<i>L<sub>G</sub></i> (Max.)	<i>L<sub>B</sub></i> (Min.)	<i>L<sub>G</sub></i> (Max.)	<i>L<sub>B</sub></i> (Min.)	<i>L<sub>G</sub></i> (Max.)	<i>L<sub>B</sub></i> (Min.)	<i>L<sub>G</sub></i> (Max.)	<i>L<sub>B</sub></i> (Min.)	<i>L<sub>G</sub></i> (Max.)	<i>L<sub>B</sub></i> (Min.)	<i>L<sub>G</sub></i> (Max.)	
25	4.5	7																	
30	9.5	12	6.5	10	4	8													
35			11.5	15	9	13	6	11											
40			16.5	20	14	18	11	16	5.75	12									
45					19	23	16	21	10.75	17	5.5	13							
50					24	28	21	26	15.75	22	10.5	18							
55							26	31	20.75	27	15.5	23	10.25	19					
60							31	36	25.75	32	20.5	28	15.25	24	10	20			
65									30.75	37	25.5	33	20.25	29	15	25	11	21	
70									35.75	42	30.5	38	25.25	34	20	30	16	26	
80									45.75	52	40.5	48	35.25	44	30	40	26	36	
90											50.5	58	45.25	54	40	50	36	46	
100											60.5	68	55.25	64	50	60	46	56	
110													65.25	74	60	70	56	66	
120													75.25	84	70	80	66	76	
130					-	50	±0.25								80	90	76	86	
140					50	80	±0.50								90	100	86	96	
150					80	120	±0.71										96	106	
160					120	250	±0.79											106	116
180					250	-	±1.02												

Length 'L' Tolerance (mm)		
Screws Over	Up to and including	Tolerance
-	50	±0.25
50	80	±0.50
80	120	±0.71
120	250	±0.79
250	-	±1.02

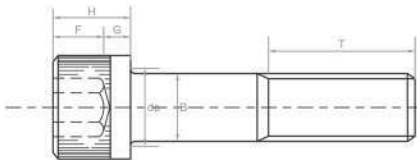
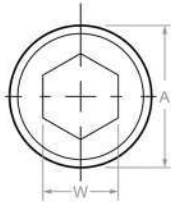
# Continue...



**METRIC**

Length	M18		M20		M22		M24		M27		M30		M33		M36		M42	
Nom.	<i>L<sub>B</sub></i> (Min.)	<i>L<sub>G</sub></i> (Max.)	<i>L<sub>B</sub></i> (Min.)	<i>L<sub>G</sub></i> (Max.)	<i>L<sub>B</sub></i> (Min.)	<i>L<sub>G</sub></i> (Max.)	<i>L<sub>B</sub></i> (Min.)	<i>L<sub>G</sub></i> (Max.)	<i>L<sub>B</sub></i> (Min.)	<i>L<sub>G</sub></i> (Max.)	<i>L<sub>B</sub></i> (Min.)	<i>L<sub>G</sub></i> (Max.)	<i>L<sub>B</sub></i> (Min.)	<i>L<sub>G</sub></i> (Max.)	<i>L<sub>B</sub></i> (Min.)	<i>L<sub>G</sub></i> (Max.)	<i>L<sub>B</sub></i> (Min.)	<i>L<sub>G</sub></i> (Max.)
70	9.5	22																
80	19.5	32	15.5	28	11.5	24												
90	29.5	42	25.5	38	21.5	34	15	30										
100	39.5	52	35.5	48	31.5	44	25	40	19	34								
110	49.5	62	45.5	58	41.5	54	35	50	29	44	20.5	38	14.5	32				
120	59.5	72	55.5	68	51.5	64	45	60	39	54	30.5	48	24.5	42	16	36		
130	69.5	82	65.5	78	61.5	74	55	70	49	64	40.5	58	34.5	52	26	46		
140	79.5	92	75.5	88	71.5	84	65	80	59	74	50.5	68	44.5	62	36	56	21.5	44
150	89.5	102	85.5	98	81.5	94	75	90	69	84	60.5	78	54.5	72	46	66	31.5	54
160	99.5	112	95.5	108	91.5	104	85	100	79	94	70.5	88	64.5	82	56	76	41.5	64
180	119.5	132	115.5	128	111.5	124	105	120	99	114	90.5	108	84.5	102	76	96	61.5	84
200			135.5	148	131.5	144	125	140	119	134	110.5	128	104.5	122	96	116	81.5	104
220					151.5	164	145	160	139	154	130.5	148	124.5	142	116	136	101.5	124
240							165	180	159	174	150.5	168	144.5	162	136	156	121.5	144
260									179	194	170.5	188	164.5	182	156	176	141.5	164
280											190.5	208	184.5	202	176	196	161.5	184

Thread Size nom.	Threads per Inch		Head Diameter A		Hex Socket Size W	Head Height H		Key Depth F G	
	UNRC	UNRF	max	min	nom	max	min	min	min
#0	-	80	.096	.091	.050	.060	.057	.025	.020
#1	64	72	.118	.112	.062	.073	.070	.031	.025
#2	56	64	.140	.134	.078	.086	.083	.038	.029
#3	48	56	.161	.154	.078	.099	.095	.044	.034
#4	40	48	.183	.176	.094	.112	.108	.051	.038
#5	40	44	.205	.198	.094	.125	.121	.057	.043
#6	32	40	.226	.218	.109	.138	.134	.064	.047
#8	32	36	.270	.262	.141	.164	.159	.077	.056
#10	24	32	.312	.303	.156	.190	.185	.090	.065
1/4	20	28	.375	.365	.188	.250	.244	.120	.095
5/16	18	24	.469	.457	.250	.312	.306	.151	.119
3/8	16	24	.562	.550	.312	.375	.368	.182	.143
7/16	14	20	.656	.642	.375	.437	.430	.213	.166
1/2	13	20	.750	.735	.375	.500	.492	.245	.190



Thread Size nom	Body Diameter B		Transition Diameter da		Thread Length T min	Recommended seating torque (in-lbs)	
	max	min	max	min		UNRC	UNRF
#0	.060	.0568	.074	.051	.500	-	3
#1	.073	.0695	.087	.061	.625	5	5
#2	.086	.0822	.102	.073	.625	7	8
#3	.099	.0949	.115	.084	.625	12	13
#4	.112	.1075	.130	.094	.750	18	19
#5	.125	.1202	.145	.107	.750	24	25
#6	.138	.1329	.158	.116	.750	34	36
#8	.164	.1585	.188	.142	.875	59	60
#10	.190	.1840	.218	.160	.875	77	91
1/4	.250	.2435	.278	.215	1.000	200	240
5/16	.3125	.3053	.347	.273	1.125	425	475
3/8	.375	.3678	.415	.331	1.250	750	850
7/16	.4375	.4294	.484	.388	1.375	1,200	1,350
1/2	.500	.4919	.552	.446	1.500	1,850	2,150

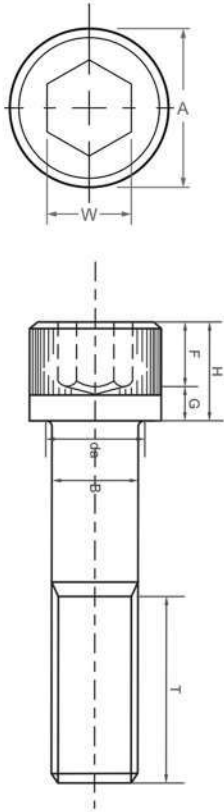


# Continue...

## 5/8 to 3 - UNRC/UNRF

### INCH

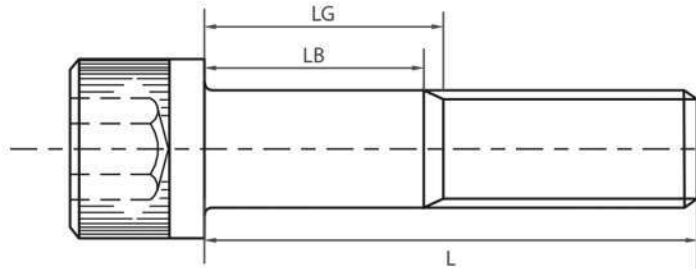
#### Product Dimensions



Thread Size nom.	Threads per Inch		Head Diameter A		Hex Socket Size W	Head Height H		Key Depth F G	
	UNRC	UNRF	max	min	nom.	max	min	min.	min.
5/8	11	18	.938	.921	.500	.625	.616	.307	.238
3/4	10	16	1.125	1.107	.625	.750	.740	.370	.285
7/8	9	14	1.312	1.293	.750	.875	.864	.432	.333
1	8	12	1.500	1.479	.750	1.000	.988	.495	.380
1	-	14*	1.500	1.479	.750	1.000	.988	.495	.380
1 1/8	7	12	1.688	1.665	.875	1.125	1.111	.557	.428
1 1/4	7	12	1.875	1.852	.875	1.250	1.236	.620	.475
1 3/8	6	12	2.062	2.038	1.000	1.375	1.360	.682	.523
1 1/2	6	12	2.250	2.224	1.000	1.500	1.485	.745	.570
1 3/4	5	12	2.625	2.597	1.250	1.750	1.734	.870	.665
2	4 1/2	12	3.000	2.970	1.500	2.000	1.983	.995	.760
2 1/4	4 1/2	12	3.375	3.344	1.750	2.250	2.232	1.120	.855
2 1/2	4	12	3.750	3.717	1.750	2.500	2.481	1.245	.950
2 3/4	4	12	4.125	4.090	2.000	2.750	2.730	1.370	1.045
3	4	12	4.500	4.464	2.250	3.000	2.979	1.495	1.140

Thread Size nom.	Body Diameter B		Transition Diameter da		Thread Length T	Recommended seating torque (in-lbs)	
	max	min	max	min		UNRC	UNRF
5/8	.625	.6163	.689	.562	1.750	3,400	3,820
3/4	.750	.7406	.828	.681	2.000	6,000	6,800
7/8	.875	.8647	.963	.798	2.250	8,400	9,120
1	1.000	.9886	1.100	.914	2.500	12,500	13,200
1	1.000	.9886	1.100	.914	2.500	-	13,900
1 1/8	1.125	1.1086	1.235	1.023	2.812	14,900	16,600
1 1/4	1.250	1.2336	1.370	1.148	3.125	25,000	27,000
1 3/8	1.375	1.3568	1.505	1.256	3.437	33,000	35,000
1 1/2	1.500	1.4818	1.640	1.381	3.750	43,500	47,000
1 3/4	1.750	1.7295	1.910	1.609	4.375	71,500	82,500
2	2.000	1.9780	2.180	1.843	5.000	108,000	125,000
2 1/4	2.250	2.2280	2.450	2.093	5.625	155,000	186,000
2 1/2	2.500	2.4762	2.720	2.324	6.250	215,000	248,000
2 3/4	2.750	2.7262	2.990	2.574	6.875	290,000	330,000
3	3.000	2.9762	3.260	2.824	7.500	375,000	430,000

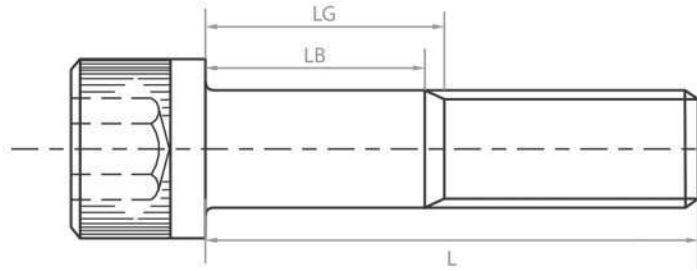




Length L Nom.	#0		#1		#2		#3		#4		#5		#6		#8		#10		#1/4	
	L <sub>G</sub>	L <sub>B</sub>	L <sub>G</sub>	L <sub>B</sub>	L <sub>G</sub>	L <sub>B</sub>	L <sub>G</sub>	L <sub>B</sub>	L <sub>G</sub>	L <sub>B</sub>	L <sub>G</sub>	L <sub>B</sub>	L <sub>G</sub>	L <sub>B</sub>	L <sub>G</sub>	L <sub>B</sub>	L <sub>G</sub>	L <sub>B</sub>	L <sub>G</sub>	L <sub>B</sub>
3/4	.250	.187																		
7/8	.250	.187	.250	.172	.250	.161	.250	.146												
1	.500	.437	.250	.172	.250	.161	.250	.146	.250	.125	.250	.125								
1 1/4	.750	.687	.625	.547	.625	.536	.625	.521	.250	.125	.250	.125	.500	.344	.375	.219	.375	.167		
1 1/2			.875	.797	.875	.786	.875	.771	.750	.625	.750	.625	.500	.344	.375	.219	.375	.167	.500	.250
1 3/4					1.125	1.036	1.125	1.021	.750	.625	.750	.625	1.000	.844	.875	.719	.875	.667	.500	.250
2							1.375	1.271	1.250	1.125	1.250	1.125	1.000	.844	.875	.719	.875	.667	1.000	.750
2 1/4									1.250	1.125	1.250	1.125	1.500	1.344	1.375	1.219	1.375	1.167	1.000	.750
2 1/2											1.750	1.625	1.500	1.344	1.375	1.219	1.375	1.167	1.500	1.250
2 3/4													2.000	1.844	1.875	1.719	1.875	1.667	1.500	1.250
3															1.875	1.719	1.875	1.667	2.000	1.750
3 1/4															2.375	2.219	2.375	2.167	2.000	1.750
3 1/2																	2.375	2.167	2.500	2.250
3 3/4																	2.875	2.667	2.500	2.250
4																	2.875	2.667	3.000	2.750
4 1/4																			3.000	2.750
4 1/2																			3.500	3.250
4 3/4																			3.500	3.250
5																			4.000	3.750



## Body & Grip Length

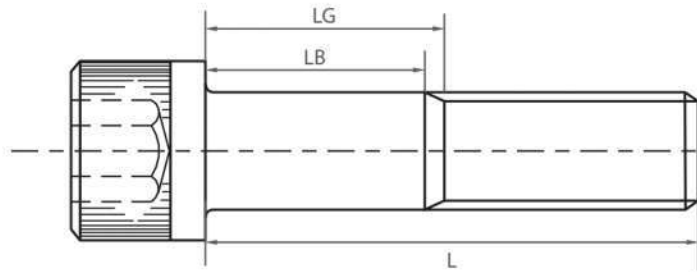


Length	#0		#1		#2		#3		#4		#5		#6		#8		#10		#1/4	
L Nom.	L <sub>G</sub>	L <sub>B</sub>	L <sub>G</sub>	L <sub>B</sub>	L <sub>G</sub>	L <sub>B</sub>	L <sub>G</sub>	L <sub>B</sub>	L <sub>G</sub>	L <sub>B</sub>	L <sub>G</sub>	L <sub>B</sub>	L <sub>G</sub>	L <sub>B</sub>	L <sub>G</sub>	L <sub>B</sub>	L <sub>G</sub>	L <sub>B</sub>	L <sub>G</sub>	L <sub>B</sub>
5 1/4																				
5 1/2																				
5 3/4																				
6																				
6 1/4																				
6 1/2																				
6 3/4																				
7																				
7 1/4																				
7 1/2																				
7 3/4																				
8																				
8 1/2																				
9																				
9 1/2																				
10																				
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				

Diameter	Length Tolerance			
	up to 1" incl.	over 1" to 2 1/2" incl.	over 2 1/2" to 6" incl.	over 6"
#0 thru 3/8 incl.	-.03	-.04	-.06	-.12
7/16 to 3/4 incl.	-.03	-.06	-.08	-.12
7/8 to 1-1/2 incl.	-.05	-.10	-.14	-.20
over 1 1/2		-.18	-.20	-.24

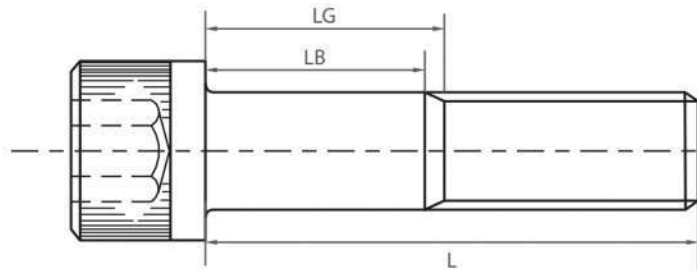
LG is the maximum grip length and is the distance from the bearing surface to the first complete thread. LB is the minimum body length and is the length of the unthreaded cylindrical portion of the shank. Thread length for the sizes up to and including 1" diameter shall be controlled by the grip length and body length as shown in the table. For sizes larger than 1" the minimum complete thread length shall be equal to the basic thread length, and the total thread length including imperfect threads shall be basic thread length plus five pitches. Lengths too short to apply formula shall be threaded to head. Complete threads shall extend within two pitches of the head lengths above the heavy line on sizes up to and including 5/8" dia. Larger diameters shall be threaded as close to the head as practicable. Screws of longer lengths than those tabulated shall have a thread length conforming to the formula for sizes larger than 1".



Length L Nom.	5/16		3/8		7/16		1/2		5/8		3/4		7/8		1	
	L <sub>G</sub>	L <sub>B</sub>	L <sub>G</sub>	L <sub>B</sub>	L <sub>G</sub>	L <sub>B</sub>	L <sub>G</sub>	L <sub>B</sub>	L <sub>G</sub>	L <sub>B</sub>	L <sub>G</sub>	L <sub>B</sub>	L <sub>G</sub>	L <sub>B</sub>	L <sub>G</sub>	L <sub>B</sub>
3/4																
7/8																
1																
1 1/4																
1 1/2																
1 3/4	.625	.347	.500	.187												
2	.625	.347	.500	.187	.625	.268										
2 1/4	1.125	.847	1.000	.687	.625	.268	.750	.365								
2 1/2	1.125	.847	1.000	.687	1.125	.768	.750	.365	.750	.295						
2 3/4	1.625	1.187	1.500	1.187	1.125	.768	.750	.365	.750	.295						
3	1.625	1.347	1.500	1.187	1.625	1.268	1.500	1.115	.750	.295	1.000	.500				
3 1/4	2.125	1.847	2.000	1.687	1.625	1.268	1.500	1.115	1.500	1.045	1.000	.500	1.000	.444		
3 1/2	2.125	1.847	2.000	1.687	2.125	1.768	1.500	1.115	1.500	1.045	1.000	.500	1.000	.444	1.000	.375
3 3/4	2.625	2.347	2.500	2.187	2.125	1.768	2.250	1.865	1.500	1.045	1.000	.500	1.000	.444	1.000	.375
4	2.625	2.347	2.500	2.187	2.625	2.268	2.250	1.865	2.250	1.795	2.000	1.500	1.000	.444	1.000	.375
4 1/4	3.125	2.847	3.000	2.687	2.625	2.268	2.250	1.865	2.250	1.795	2.000	1.500	2.000	1.444	1.000	.375
4 1/2	3.125	2.847	3.000	2.687	3.125	2.768	3.000	2.615	2.250	1.795	2.000	1.500	2.000	1.444	2.000	1.375
4 3/4	3.625	3.347	3.500	3.187	3.125	2.768	3.000	2.615	3.000	2.545	2.000	1.500	2.000	1.444	2.000	1.375
5	3.625	3.347	3.500	3.187	3.625	3.268	3.000	2.615	3.000	2.545	3.000	2.500	2.000	1.444	2.000	1.375
5 1/4	4.125	3.847	4.000	3.687	3.625	3.268	3.750	3.365	3.000	2.545	3.000	2.500	3.000	2.444	2.000	1.375
5 1/2	4.125	3.847	4.000	3.687	4.125	3.768	3.750	3.365	3.750	3.295	3.000	2.500	3.000	2.444	3.000	2.375
5 3/4	4.625	4.347	4.500	4.187	4.125	3.768	3.750	3.365	3.750	3.295	3.000	2.500	3.000	2.444	3.000	2.375
6	4.625	4.347	4.500	4.187	4.625	4.268	4.500	4.115	3.750	3.295	4.000	3.500	3.000	2.444	3.000	2.375
6 1/4	5.125	4.847	5.000	4.687	4.625	4.268	4.500	4.115	4.500	4.045	4.000	3.500	4.000	3.444	3.000	2.375

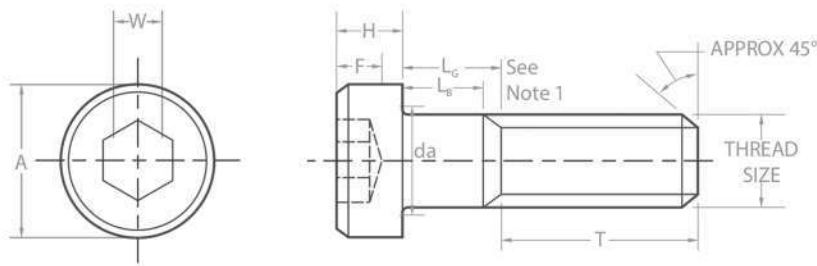
# Continue...

## Body & Grip Lengths



Length L Nom.	5/16		3/8		7/16		1/2		5/8		3/4		7/8		1		
	L <sub>G</sub>	L <sub>B</sub>	L <sub>G</sub>	L <sub>B</sub>	L <sub>G</sub>	L <sub>B</sub>	L <sub>G</sub>	L <sub>B</sub>	L <sub>G</sub>	L <sub>B</sub>	L <sub>G</sub>	L <sub>B</sub>	L <sub>G</sub>	L <sub>B</sub>	L <sub>G</sub>	L <sub>B</sub>	
6 1/2			5.000	4.687	5.125	4.768	4.500	4.115	4.500	4.045	4.000	3.500	4.000	3.444	4.000	3.375	
6 3/4			5.500	5.187	5.125	4.768	5.250	4.865	4.500	4.045	4.000	3.500	4.000	3.444	4.000	3.375	
7			5.500	5.187	5.625	5.268	5.250	4.865	5.250	4.795	5.000	4.500	4.000	3.444	4.000	3.375	
7 1/4			6.000	5.687	5.625	5.268	5.250	4.865	5.250	4.795	5.000	4.500	5.000	4.444	4.000	4.375	
7 1/2			6.000	5.687	6.125	5.768	6.000	5.615	5.250	4.795	5.000	4.500	5.000	4.444	5.000	4.375	
7 3/4					6.125	5.768	6.000	5.615	6.000	5.545	5.000	4.500	5.000	4.444	5.000	4.375	
8					6.625	6.268	6.000	5.615	6.000	5.545	6.000	5.500	5.000	4.444	5.000	4.375	
8 1/2					7.125	6.768	7.000	6.615	6.750	6.295	6.000	5.500	6.000	5.444	6.000	5.375	
9					7.625	7.268	7.000	6.615	6.750	6.295	7.000	6.500	6.000	5.444	6.000	5.375	
9 1/2							8.000	7.615	7.750	7.295	7.000	6.500	7.000	6.444	7.000	6.375	
10							8.000	7.615	7.750	7.295	8.000	7.500	7.000	6.444	7.000	6.375	
11									9.250	8.795	9.000	8.500	8.000	7.444	8.000	7.375	
12									10.250	9.795	10.000	9.000	9.000	8.444	9.000	8.375	
13											11.000	10.500	10.000	9.444	10.000	9.375	
14											12.000	11.500	11.000	10.444	11.000	10.375	
15											13.000	12.500	12.000	11.444	12.000	11.375	
16												13.000	12.444	13.000	12.375		
17													14.000	13.444	14.000	13.375	
18														15.000	14.444	15.000	14.375
19															16.000	15.375	
20																17.000	16.375

# SOCKET LOW HEAD CAP SCREWS



METRIC

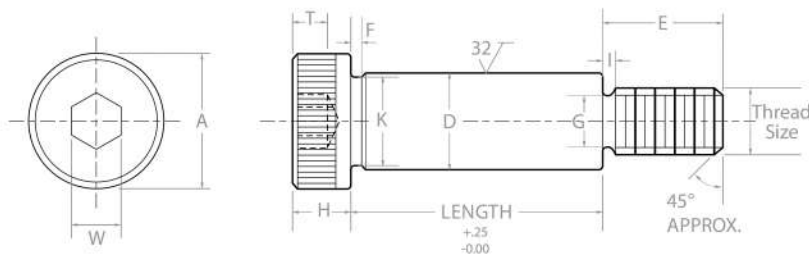
## Product Dimensions

Thread size nom.	Pitch	Head Diameter A max	Hex Socket Size W nom.	Head Height H max	Key Depth F min.	Transition Diameter da max.	Thread Length T ref
M4	0.70	7	3	2.8	1.48	4.7	20
M5	0.80	8.5	4	3.5	1.85	5.7	22
M6	1.00	10	5	4.0	2.09	6.8	24
M8	1.25	13	6	5.0	2.48	9.2	28
M10	1.50	16	8	6.5	3.36	11.2	32
M12	1.75	18	10	8.0	4.26	13.7	36
M16	2.00	24	12	10.0	4.76	17.7	44
M20	2.50	30	14	12.5	6.07	22.4	52

Thread size nom.	Recommended Seating Torque					
	Unplated		Plated		Induced Load	
	N-m	lbf.in.	N-m	lbf.in.	kN	lbf.
M4	3.8	33.6	2.9	25.7	5.65	1,270
M5	8.0	70.8	6.0	53.1	9.20	2,068
M6	13.0	115.0	9.8	86.7	13.00	2,920
M8	32.0	283.0	24.0	212.0	23.90	5,370
M10	64.0	566.0	48.0	425.0	38.00	8,540
M12	110.0	974.0	83.0	735.0	55.50	12,470
M16	275.0	2,434.0	206.0	1,820.0	105.00	23,600
M20	550.0	4,870.0	405.0	3,585.0	164.00	36,800



# Continue...



**INCH**

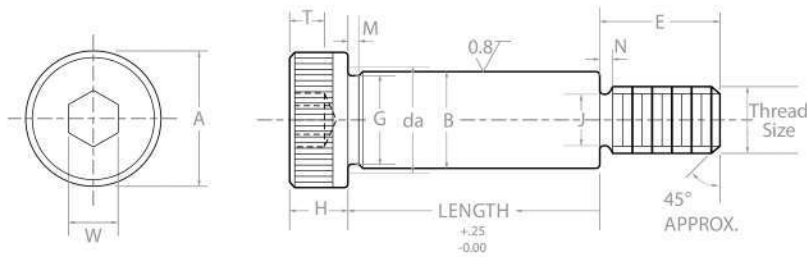
## Product Dimensions

Body size nom.	Thread size	Threads per Inch UNRC	Head Diameter A max.	Hex Socket Size W nom	Head Height H max	Socket Depth T min.	Shoulder diameter D max. min.
1/4	#10	24	.375	.125	.188	.094	.248 .246
5/16	1/4	20	.438	.156	.219	.117	.311 .309
3/8	5/16	18	.562	.188	.250	.141	.373 .371
1/2	3/8	16	.750	.250	.312	.188	.498 .496
5/8	1/2	13	.875	.312	.375	.234	.623 .621
3/4	5/8	11	1.000	.375	.500	.281	.748 .746
1	3/4	10	1.312	.500	.625	.375	.998 .996
1 1/4	7/8	9	1.750	.625	.750	.469	1.248 1.246
1 1/2	1 1/8	7	2.125	.875	1.000	.656	1.498 1.496
1 3/4	1 1/4	7	2.375	1.000	1.125	.750	1.748 1.746
2	1 1/2	6	2.750	1.250	1.250	.937	1.998 1.996

Body size nom.	Thread Length				
	G max.	K min	I max	F max	E max
1/4	.142	.227	.083	.093	.375
5/16	.193	.289	.100	.093	.438
3/8	.249	.352	.111	.093	.500
1/2	.304	.477	.125	.093	.625
5/8	.414	.602	.154	.093	.750
3/4	.521	.727	.182	.093	.875
1	.638	.977	.200	.125	1.000
1-1/4	.750	1.227	.222	.125	1.125
1-1/2	.964	1.478	.286	.125	1.500
1-3/4	1.089	1.728	.286	.125	1.750
2	1.307	1.978	.333	.125	2.000

# SOCKET HEAD SHOULDER SCREWS

METRIC

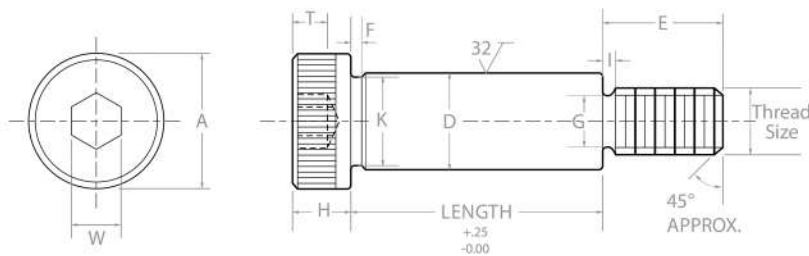


## Product Dimensions

Body size nom.	Thread size	Pitch	Head Diameter A max	Hex Socket Size W nom	Head Height H max	Socket Depth T min	Shoulder diameter B max min	J max
6	M5	0.80	10.00	3	4.50	2.4	6 5.96	3.84
8	M6	1.00	13.00	4	5.50	3.3	8 7.95	4.56
10	M8	1.25	16.00	5	7.00	4.2	10 9.95	6.23
12	M10	1.50	18.00	6	8.00	4.9	12 11.95	7.89
16	M12	1.75	24.00	8	10.00	6.6	16 15.95	9.54
20	M16	2.00	30.00	10	14.00	8.8	20 19.95	13.20
24	M20	2.50	36.00	12	16.00	10.0	24 23.95	16.54

Body size nom.	da max	N max	G max	M max	Thread Length E max	Recommended seating torque	
						N-m	in-lbs.
6	6.80	2.00	5.62	1.85	9.75	7	60
8	9.20	2.50	7.62	1.85	11.25	12	105
10	11.20	3.00	9.62	1.85	13.25	29	255
12	14.20	3.50	11.62	1.85	16.40	57	500
16	18.20	4.00	15.62	1.85	18.40	100	885
20	22.40	4.50	19.62	2.50	22.40	240	2,125
24	26.40	5.60	23.62	2.65	27.40	470	4,160

# SOCKET HEAD SHOULDER SCREWS



INCH

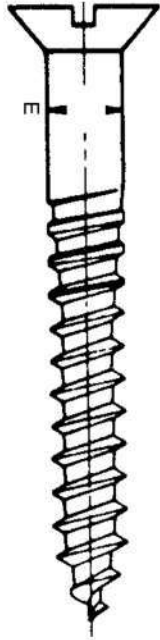
## Product Dimensions

Body size nom.	Thread size	Threads per Inch UNRC	Head Diameter A max.	Hex Socket Size W nom	Head Height H max	Socket Depth T min.	Shoulder diameter D	
							max.	min.
1/4	#10	24	.375	.125	.188	.094	.248	.246
5/16	1/4	20	.438	.156	.219	.117	.311	.309
3/8	5/16	18	.562	.188	.250	.141	.373	.371
1/2	3/8	16	.750	.250	.312	.188	.498	.496
5/8	1/2	13	.875	.312	.375	.234	.623	.621
3/4	5/8	11	1.000	.375	.500	.281	.748	.746
1	3/4	10	1.312	.500	.625	.375	.998	.996
1 1/4	7/8	9	1.750	.625	.750	.469	1.248	1.246
1 1/2	1 1/8	7	2.125	.875	1.000	.656	1.498	1.496
1 3/4	1 1/4	7	2.375	1.000	1.125	.750	1.748	1.746
2	1 1/2	6	2.750	1.250	1.250	.937	1.998	1.996

Body size nom.	Thread Length				
	G max.	K min	I max	F max	E max
1/4	.142	.227	.083	.093	.375
5/16	.193	.289	.100	.093	.438
3/8	.249	.352	.111	.093	.500
1/2	.304	.477	.125	.093	.625
5/8	.414	.602	.154	.093	.750
3/4	.521	.727	.182	.093	.875
1	.638	.977	.200	.125	1.000
1-1/4	.750	1.227	.222	.125	1.125
1-1/2	.964	1.478	.286	.125	1.500
1-3/4	1.089	1.728	.286	.125	1.750
2	1.307	1.978	.333	.125	2.000

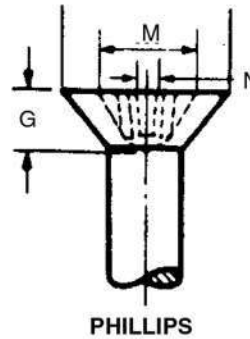
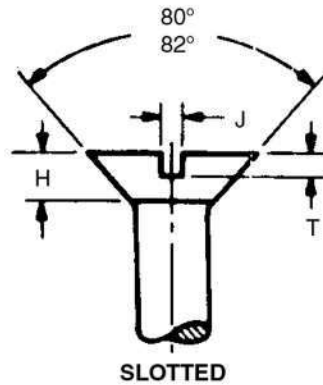


# WOOD SCREWS



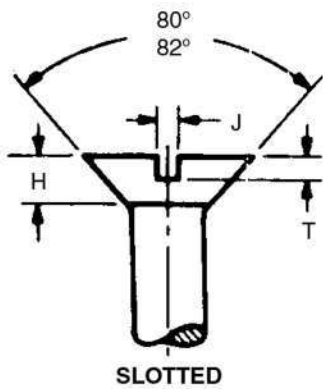
Nominal Size or Basic Screw Diameter	Threads Per Inch	E	
		Body Diameter	
		Max.	Min.
4 0.112	22	0.116	0.105
5 0.125	20	0.129	0.118
6 0.138	18	0.142	0.131
7 0.151	16	0.155	0.144
8 0.164	15	0.168	0.157
9 0.177	14	0.181	0.170
10 0.190	13	0.194	0.183
12 0.216	11	0.220	0.209
14 0.242	10	0.246	0.235

# FLAT HEAD SCREWS

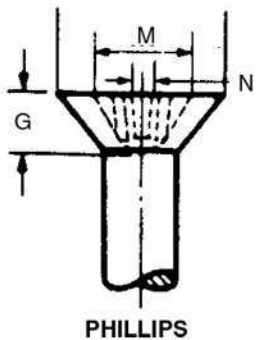


Basic Screw Diameter	A		H	J		T	
	Head Diameter		Head Height	Slot Width		Slot Depth	
	Max. Edge Sharp	Min. Edge Round or Flat		Ref.	Max.	Min.	Max.
	0000	0.043	0.037	0.011	0.008	0.004	0.007
000	0.064	0.058	0.016	0.011	0.007	0.009	0.005
00	0.092	0.076	0.028	0.017	0.010	0.014	0.009
0	0.119	0.099	0.035	0.023	0.016	0.015	0.010
1	0.146	0.123	0.043	0.026	0.019	0.019	0.012
2	0.172	0.147	0.051	0.031	0.023	0.023	0.015
3	0.199	0.171	0.059	0.035	0.027	0.027	0.017
4	0.225	0.195	0.067	0.039	0.031	0.030	0.020
5	0.252	0.220	0.075	0.043	0.035	0.034	0.022
6	0.279	0.244	0.083	0.048	0.039	0.038	0.024
8	0.332	0.292	0.100	0.054	0.045	0.045	0.029
10	0.385	0.340	0.116	0.060	0.050	0.053	0.034
12	0.438	0.389	0.132	0.067	0.056	0.060	0.039
1/4	0.507	0.452	0.153	0.075	0.064	0.070	0.046
5/16	0.635	0.568	0.191	0.084	0.072	0.088	0.058
3/8	0.762	0.685	0.230	0.094	0.081	0.106	0.070
7/16	0.812	0.723	0.223	0.094	0.081	0.103	0.066
1/2	0.875	0.775	0.223	0.106	0.091	0.103	0.065
9/16	1.000	0.889	0.260	0.118	0.102	0.120	0.077
5/8	1.125	1.002	0.298	0.133	0.116	0.137	0.088
3/4	1.375	1.230	0.372	0.149	0.131	0.171	0.111

# Continue...

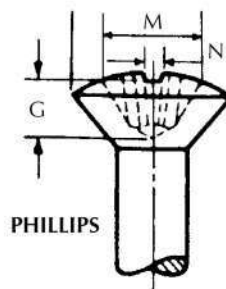
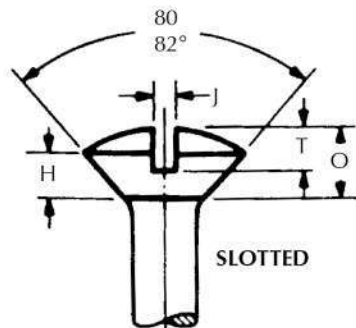


Nominal Size <sup>1</sup> Basic Or Screw Diameter	M		G		N	Driver Size
	Recess Diameter		Recess Depth		Recess Width	
	Max.	Min.	Max.	Min.	Min.	
0 0.0600	0.069	0.056	0.043	0.027	0.014	0
1 0.0730	0.077	0.064	0.051	0.035	0.015	0
2 0.0860	0.102	0.089	0.063	0.047	0.017	1
3 0.0990	0.107	0.094	0.068	0.052	0.018	1
4 0.1120	0.128	0.115	0.089	0.073	0.018	1
5 0.1250	0.154	0.141	0.086	0.063	0.027	2
6 0.1380	0.174	0.161	0.106	0.083	0.029	2
8 0.1640	0.189	0.176	0.121	0.098	0.030	2
10 0.1900	0.204	0.191	0.136	0.113	0.032	2



Nominal Size <sup>1</sup> Basic Or Screw Diameter	M		G		N	Driver Size
	Recess Diameter		Recess Depth		Recess Width	
	Max.	Min.	Max.	Min.	Min.	
12 0.2160	0.268	0.255	0.156	0.133	0.035	3
1/4 0.2500	0.283	0.270	0.171	0.148	0.036	3
5/16 0.3125	0.365	0.352	0.216	0.194	0.061	4
3/8 0.3750	0.393	0.380	0.245	0.223	0.065	4
7/16 0.4375	0.409	0.396	0.261	0.239	0.068	4
1/2 0.5000	0.424	0.411	0.276	0.254	0.069	4
9/16 0.5625	0.454	0.431	0.300	0.278	0.073	4
5/8 0.6250	0.576	0.553	0.342	0.316	0.079	5
3/4 0.7500	0.640	0.617	0.406	0.380	0.087	5

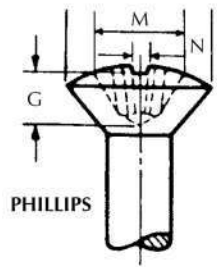
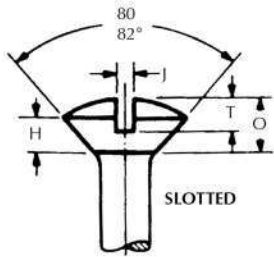
# OVAL HEAD SCREWS



Basic Screw Diameter	A		H	O		J		T	
	Head Diameter		Head Side Height	Total Head Height		Slot Width		Slot Depth	
	Max. Edge Sharp	Min. Edge Rounded or Flat		Max.	Min.	Max.	Min.	Max.	Min.
			Ref.						
00	0.093	0.083	0.028	0.042	0.034	0.017	0.010	0.023	0.016
0	0.119	0.099	0.035	0.056	0.041	0.023	0.016	0.030	0.025
1	0.146	0.123	0.043	0.068	0.052	0.026	0.019	0.038	0.031
2	0.172	0.147	0.051	0.080	0.063	0.031	0.023	0.045	0.037
3	0.199	0.171	0.059	0.092	0.073	0.035	0.027	0.052	0.043
4	0.225	0.195	0.067	0.104	0.084	0.039	0.031	0.059	0.049
5	0.252	0.220	0.075	0.116	0.095	0.043	0.035	0.067	0.055
6	0.279	0.244	0.083	0.128	0.105	0.048	0.039	0.074	0.060
8	0.332	0.292	0.100	0.152	0.126	0.054	0.045	0.088	0.072
10	0.385	0.340	0.116	0.176	0.148	0.060	0.050	0.103	0.084
12	0.438	0.389	0.132	0.200	0.169	0.067	0.056	0.117	0.096
1/4	0.507	0.452	0.153	0.232	0.197	0.075	0.064	0.136	0.112
5/16	0.635	0.568	0.191	0.290	0.249	0.084	0.072	0.171	0.141
3/8	0.762	0.685	0.230	0.347	0.300	0.094	0.081	0.206	0.170
7/16	0.812	0.723	0.223	0.345	0.295	0.094	0.081	0.210	0.174
1/2	0.875	0.775	0.223	0.354	0.299	0.106	0.091	0.216	0.176
9/16	1.000	0.889	0.260	0.410	0.350	0.118	0.102	0.250	0.207
5/8	1.125	1.002	0.298	0.467	0.399	0.133	0.116	0.285	0.235
3/4	1.375	1.230	0.372	0.578	0.497	0.149	0.131	0.353	0.293

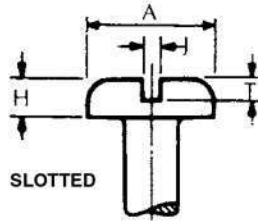


# Continue...

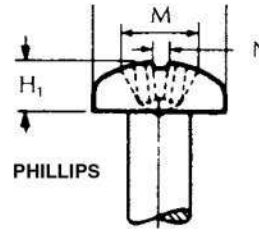


Basic Screw Diameter	M Recess Diameter		G Recess Depth		N Recess Width	Driver Size
	Max.	Min.	Max.	Min.	Min.	
0	0.074	0.061	0.045	0.027	0.014	0
1	0.077	0.064	0.048	0.030	0.015	0
2	0.112	0.099	0.069	0.052	0.018	1
3	0.124	0.111	0.081	0.064	0.019	1
4	0.136	0.123	0.094	0.077	0.019	1
5	0.158	0.145	0.085	0.061	0.028	2
6	0.178	0.165	0.105	0.080	0.030	2
8	0.192	0.179	0.119	0.095	0.031	2
10	0.209	0.196	0.137	0.113	0.033	2
12	0.270	0.257	0.152	0.128	0.038	3
1/4	0.290	0.277	0.173	0.148	0.040	3
5/16	0.381	0.368	0.226	0.202	0.064	4
3/8	0.400	0.387	0.245	0.221	0.066	4
7/16	0.410	0.397	0.257	0.233	0.068	4
1/2	0.422	0.409	0.269	0.245	0.070	4

# PAN HEAD SCREWS



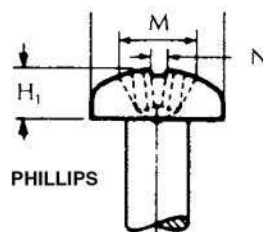
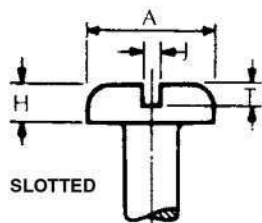
SLOTTED



PHILLIPS

Nominal Size <sup>1</sup> or Basic Screw Diameter	A Head Diameter		H Head Height (Slotted)		J Slot Width		T Slot Depth	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
0000	0.042	0.036	0.016	0.010	0.008	0.004	0.008	0.004
000	0.066	0.060	0.023	0.017	0.012	0.008	0.012	0.008
00	0.090	0.082	0.025	0.032	0.017	0.010	0.016	0.010
0	0.116	0.104	0.039	0.031	0.023	0.016	0.022	0.014
1	0.142	0.130	0.046	0.038	0.026	0.019	0.027	0.018
2	0.167	0.155	0.053	0.045	0.031	0.023	0.031	0.022
3	0.193	0.180	0.060	0.051	0.035	0.027	0.036	0.026
4	0.219	0.205	0.068	0.058	0.039	0.031	0.040	0.030
5	0.245	0.231	0.075	0.065	0.043	0.035	0.045	0.034
6	0.270	0.256	0.082	0.072	0.048	0.039	0.050	0.037
8	0.322	0.306	0.096	0.085	0.054	0.045	0.058	0.045
10	0.373	0.357	0.110	0.099	0.060	0.050	0.068	0.053
12	0.425	0.407	0.125	0.112	0.067	0.056	0.077	0.061
1/4	0.492	0.473	0.144	0.130	0.075	0.064	0.087	0.070
5/16	0.615	0.594	0.178	0.162	0.084	0.072	0.106	0.085
3/8	0.740	0.716	0.212	0.195	0.094	0.081	0.124	0.100
7/16	0.863	0.837	0.247	0.228	0.094	0.081	0.142	0.116
1/2	0.987	0.958	0.281	0.260	0.106	0.091	0.161	0.131
9/16	1.041	1.000	0.315	0.293	0.118	0.102	0.179	0.146
5/8	1.172	1.125	0.350	0.325	0.133	0.116	0.197	0.162
3/4	1.435	1.375	0.419	0.390	0.149	0.131	0.234	0.192

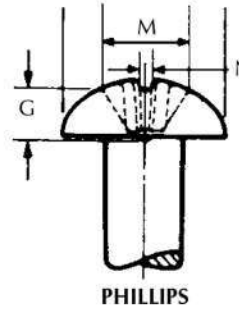
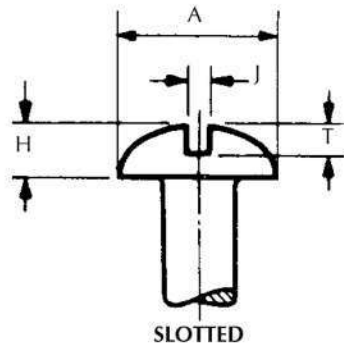
# Continue...



Nominal Size <sup>1</sup> or Basic Screw Diameter	H <sup>1</sup> Head Height (Recessed)		M Recess Diameter		Recess Depth		N Recess Width	Driver
	Max.	Min.	Max.	Min.	Max.	Min.	Min.	Size
0	0.044	0.036	0.067	0.054	0.039	0.021	0.013	0
1	0.053	0.044	0.074	0.061	0.045	0.025	0.014	0
2	0.062	0.053	0.104	0.091	0.059	0.041	0.017	1
3	0.071	0.062	0.112	0.099	0.068	0.050	0.019	1
4	0.080	0.070	0.122	0.109	0.078	0.060	0.019	1
5	0.089	0.079	0.158	0.145	0.083	0.057	0.028	2
6	0.097	0.087	0.166	0.153	0.091	0.066	0.028	2
8	0.115	0.105	0.182	0.169	0.108	0.082	0.030	2
10	0.133	0.122	0.199	0.186	0.124	0.100	0.031	2
12	0.151	0.139	0.259	0.246	0.141	0.115	0.034	3
1/4	0.175	0.162	0.281	0.268	0.161	0.135	0.036	3
5/16	0.218	0.203	0.350	0.337	0.193	0.169	0.059	4
3/8	0.261	0.244	0.389	0.376	0.233	0.210	0.065	4
7/16	0.305	0.284	0.413	0.400	0.259	0.234	0.068	4
1/2	0.348	0.325	0.435	0.422	0.280	0.255	0.071	4
9/16	0.391	0.366	0.470	0.447	0.312	0.288	0.076	4
5/8	0.434	0.406	0.587	0.564	0.343	0.314	0.081	5
3/4	0.521	0.488	0.633	0.610	0.382	0.355	0.086	5

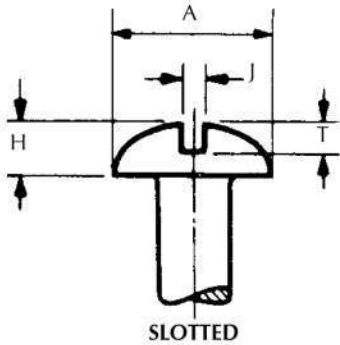


# ROUND HEAD SCREWS

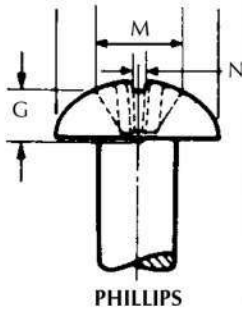


Basic Screw Diameter	A Head Diameter		H Head Height		J Slot Width		T Slot Depth	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
0000	0.041	0.035	0.022	0.016	0.008	0.004	0.017	0.013
000	0.062	0.056	0.031	0.025	0.012	0.008	0.018	0.012
00	0.089	0.080	0.045	0.036	0.017	0.010	0.026	0.018
0	0.113	0.099	0.053	0.043	0.023	0.016	0.039	0.029
1	0.138	0.122	0.061	0.051	0.026	0.019	0.044	0.033
2	0.162	0.146	0.069	0.059	0.031	0.023	0.048	0.037
3	0.187	0.169	0.078	0.067	0.035	0.027	0.053	0.040
4	0.211	0.193	0.086	0.075	0.039	0.031	0.058	0.044
5	0.236	0.217	0.095	0.083	0.043	0.035	0.063	0.047
6	0.260	0.240	0.103	0.091	0.048	0.039	0.068	0.051
8	0.309	0.287	0.120	0.107	0.054	0.045	0.077	0.058
10	0.359	0.334	0.137	0.123	0.060	0.050	0.087	0.065
12	0.408	0.382	0.153	0.139	0.067	0.056	0.096	0.073
1/4	0.472	0.443	0.175	0.160	0.075	0.064	0.109	0.082
5/16	0.590	0.557	0.216	0.198	0.084	0.072	0.132	0.099
3/8	0.708	0.670	0.256	0.237	0.094	0.081	0.155	0.117
7/16	0.750	0.707	0.328	0.307	0.094	0.081	0.196	0.148
1/2	0.813	0.766	0.355	0.332	0.106	0.091	0.211	0.159
9/16	0.938	0.887	0.410	0.385	0.118	0.102	0.242	0.183
5/8	1.000	0.944	0.438	0.411	0.133	0.116	0.258	0.195
3/4	1.250	1.185	0.547	0.516	0.149	0.131	0.320	0.242

# Continue...

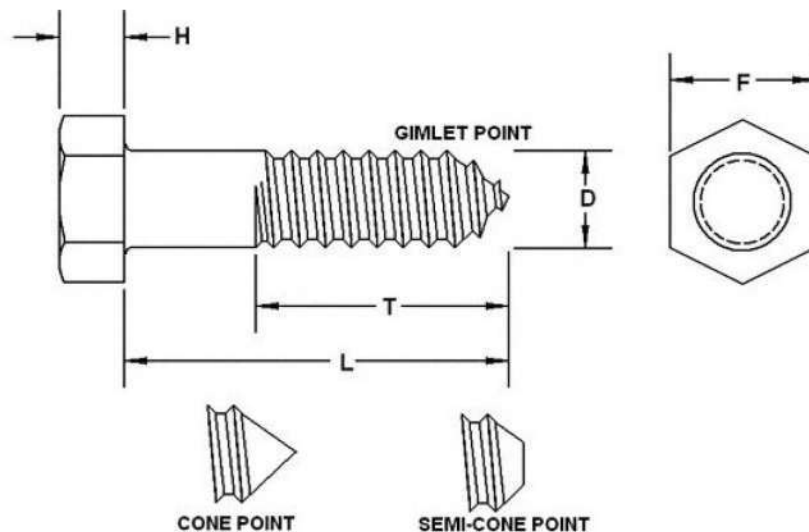


Basic Screw Diameter	M Recess Diameter		G Recess Depth		N Recess Width	Driver Size
	Max.	Min.	Max.	Min.	Min.	
0	0.073	0.060	0.042	0.022	0.014	0
1	0.082	0.069	0.052	0.033	0.015	0
2	0.100	0.087	0.053	0.034	0.017	1
3	0.109	0.096	0.062	0.042	0.018	1
4	0.118	0.105	0.072	0.053	0.019	1
5	0.154	0.141	0.074	0.046	0.027	2
6	0.162	0.149	0.084	0.056	0.027	2
8	0.178	0.165	0.101	0.075	0.030	2
10	0.195	0.182	0.119	0.093	0.031	2



Basic Screw Diameter	M Recess Diameter		G Recess Depth		N Recess Width	Driver Size
	Max.	Min.	Max.	Min.	Min.	
12	0.249	0.236	0.125	0.099	0.032	3
1/4	0.268	0.255	0.147	0.121	0.034	3
5/16	0.308	0.295	0.187	0.161	0.040	3
3/8	0.387	0.374	0.228	0.202	0.064	4
7/16	0.402	0.389	0.241	0.216	0.066	4
1/2	0.416	0.403	0.256	0.231	0.068	4
9/16	0.459	0.436	0.292	0.265	0.075	4
5/8	0.554	0.531	0.318	0.277	0.077	5
3/4	0.654	0.631	0.418	0.379	0.088	5

# HEX LAG SCREWS



SAE Grade 2, ASTM A307  
Cone Point is Standard

## STANDARD THREAD LENGTH

Bolt Diameter	D		F	H	Threads Per Inch	Thread Dimension			
	Body Diameter					Width Across Flats	Pitch	Flat At Root	Depth of Thread
	Max	Min	Head Height						
3/8	0.388	0.360	9/16	1/4	7	0.143	0.062	0.055	0.265
1/2	0.515	0.482	3/4	11/32	6	0.167	0.072	0.064	0.371
5/8	0.642	0.605	15/16	27/64	5	0.200	0.086	0.077	0.471
3/4	0.768	0.729	1-1/8	1/2	4-1/2	0.222	0.096	0.085	0.579
7/8	0.895	0.852	1-5/16	37/64	4	0.250	0.108	0.096	0.683
1	1.022	0.976	1-1/2	43/64	3-1/2	0.286	0.123	0.110	0.780
1-1/8	1.149	1.098	1-11/16	3/4	3-1/4	0.308	0.133	0.119	0.887
1-1/4	1.277	1.223	1-7/8	27/32	3-1/4	0.308	0.133	0.119	1.012
1-3/8	1.404	1.346	2-1/16	29/32	3	0.333	0.143	0.128	1.119
1-1/2	1.531	1.469	2-1/4	1	3	0.333	0.143	0.128	1.244

Dimensional specifications per ASME B18.2.1

The minimum thread length shall be equal to half the nominal screw length plus 1/2" or 5", whichever is less.



# DEDICATED IMPEX CO.

---

D - 189, Industrial Focal Point, Patiala  
147003 Punjab, India  
info@dicfasteners.com  
+91-95922-28222

**DiCFASTENERS**  
*A Brand by Dedicated Impex Co.*