

**Product Range**

Hexagon Head Bolt				Hexagon Head Screw			
DIN 931/ISO 4014		ANSI B 18.2.1		DIN 933/ISO 4017		ANSI B 18.2.1	
Size	Length	Size	Length	Size	Length	Size	Length
M3	20-40	1/4"	3/8"-6"	M3	10-40	1/4"	3/8"-6"
M4	25-40	5/16"	1/2"-6"	M4	10-40	5/16"	1/2"-6"
M5	25-100	3/8"	5/8"-6"	M5	10-75	3/8"	5/8"-6"
M6	30-150	7/16"	5/8"-6"	M6	10-150	7/16"	5/8"-6"
M8	30-180	1/2"	3/4"-6"	M8	10-150	1/2"	3/4"-6"
M10	35-250	9/16"	3/4"-6"	M10	16-200	9/16"	3/4"-6"
M12	40-250	5/8"	1"-6"	M12	20-200	5/8"	1"-6"
M14	45-250	3/4"	1"-6"	M14	25-150	3/4"	1"-6"
M16	50-250	7/8"	1-3/4"-6"	M16	25-200	7/8"	1-3/4"-6"
M18	60-250	1"	1-3/4"-6"	M18	40-200	1"	1-3/4"-6"
M20	60-250	1 1/8"	2-1/2"-14"	M20	30-200	1 1/8"	2-1/2"-6"
M22	70-250	1 1/4"	2-1/2"-14"	M22	40-200	1 1/4"	2-1/2"-6"
M24	80-250	1 3/8"	3"-14"	M24	40-200	1 3/8"	3"-6"
M27	90-350	1 1/2"	3"-14"	M27	60-150	1 1/2"	3"-6"
M30	100-350	-	-	M30	70-150	-	-
M33	110-350	-	-	M33	70-150	-	-
M36	110-350	-	-	M36	80-150	-	-

Hexagon Socket Head Cap Screw					
DIN912/ISO4762			ANSI B 18.3		
Size	Length		Size	Length	
	F/T	H/T		F/T	H/T
M3	10 - 40	25 - 40	1/4"	1/2" - 2"	1 1/2" - 2 1/2"
M4	10 - 40	30 - 40	5/16"	5/8" - 4"	1 3/4" - 6"
M5	10 - 50	30 - 70	3/8"	5/8" - 4"	1 3/4" - 6"
M6	10 - 100	35 - 150	7/16"	7/8" - 4"	2" - 6"
M8	12 - 150	40 - 150	1/2"	7/8" - 4"	2 1/4" - 6"
M10	16 - 150	45 - 150	5/8"	1 1/4" - 4"	2 1/2" - 6"
M12	25 - 150	55 - 150	3/4"	2" - 6"	3" - 6"
M14	25 - 150	60 - 150	7/8"	2 1/4" - 6"	3 1/4" - 6"
M16	25 - 150	65 - 150	-	-	-
M18	60 - 150	70 - 200	-	-	-
M20	40 - 150	80 - 200	-	-	-
M22	60 - 150	80 - 200	-	-	-
M24	40 - 150	90 - 200	-	-	-

**Round Head Square Neck Bolt or Carriage Bolt**

DIN 603			ANSI B 18.5	
Size	Length	Size	Length	
			F/T	H/T
M 5	16 - 65	1/4"	5/8" - 3"	1-1/4" - 4"
M 6	16 - 75	5/16"	3/4" - 4"	1-1/2" - 6"
M 8	20 - 100	3/8"	3/4" - 3"	1-3/4" - 6"
M 10	20 - 100	-	-	-

Hex Wood/Lag Screw

DIN 571		ANSI B 18.2.1	
Size	Length	Size	Length
M5	25 - 70	1/4"	1" - 3"
M6	25 - 100	5/16"	1" - 4"
M8	30 - 150	3/8"	1" - 4"
M10	40 - 150	-	-
M12	45 - 150	-	-

Hexagon Socket Button Head Screw

ISO7380		ANSI B 18.3	
Size	Length	Size	Length
M3	10 - 40	#6	3/8" - 1 1/2"
M4	10 - 50	#8	3/8" - 2"
M5	10 - 60	#10	3/8" - 2 1/4"
M6	12 - 80	1/4"	1/2" - 3"
M8	12 - 100	5/16"	1/2" - 4"
M10	20 - 150	3/8"	7/8" - 5 1/2"
M12	20 - 150	1/2"	7/8" - 6"

Hexagon Socket Countersunk Head Cap Screw

DIN7991/ISO10642			ANSI B 18.3		
Size	Length		Size	Length	
	F/T	H/T		F/T	H/T
M3	12-40	25-40	#5	3/8" - 1 1/2"	
M4	12-50	30-50	#6	3/8" - 1 1/2"	1 1/4" - 1 1/2"
M5	14-75	35-70	#8	3/8" - 1 1/2"	1 1/4" - 2"
M6	16-100	40-100	#10	1/2" - 2"	1 1/2" - 2 1/2"
M8	20-150	50-150	1/4"	1/2" - 3"	1 3/4" - 3"
M10	20-150	50-200	5/16"	5/8" - 3"	2" - 4"
M12	30-180	60-200	3/8"	7/8" - 3"	2 1/4" - 5"
M14	50-150	60-200	1/2"	1 5/8" - 5"	2 1/2" - 6"
M16	50-200	70-200	5/8"	1 3/4" - 6"	3 1/4" - 6"
M18	50-150	70-200	3/4"	2" - 6"	3 1/2" - 6"
M20	60-150	80-200	-	-	-



Slotted CSK Head Screw		Slotted Raised CSK Oval Head Screw		Slotted Chesse Head Screw		Slotted Pan Head Screw	
DIN 963		DIN 964		DIN 84		DIN 85	
Size	Length	Size	Length	Size	Length	Size	Length
M3	10 - 40	M3	10 - 40	M3	10 - 40	M3	10 - 40
M4	10 - 50	M4	10 - 50	M4	10 - 50	M4	10 - 50
M5	10 - 60	M5	10 - 60	M5	10 - 60	M5	10 - 60
M6	12 - 70	M6	12 - 70	M6	12 - 70	M6	12 - 70

Cross Recessed CSK Flat Head Screw		Cross Recessed Raised CSK Oval Head Screw		Cross Recessed Raised Cheese Head Screw	
DIN 965 (TYPE H & Z)		DIN 966 (TYPE H & Z)		DIN 7985 (TYPE H & Z)	
Size	Length	Size	Length	Size	Length
M3	10 - 40	M3	10 - 40	M3	10 - 40
M4	10 - 50	M4	10 - 50	M4	10 - 50
M5	10 - 60	M5	10 - 60	M5	10 - 60
M6	12 - 80	M6	12 - 80	M6	12 - 80
M8	16 - 100	M8	16 - 100	M8	16 - 100
M10	20 - 150	M10	20 - 150	M10	20 - 150

Slotted Pan Head Tapping Screw		Slotted CSK Flat Head Tapping Screw		Slotted Raised CSK (Oval) Head Tapping Screw	
DIN-7971		DIN-7972		DIN-7973	
Size	Length	Size	Length	Size	Length
ST 2.9	9.5 - 38	ST 2.9	9.5 - 38	ST 2.9	9.5 - 38
ST 3.5	9.5 - 38	ST 3.5	9.5 - 38	ST 3.5	9.5 - 38
ST 3.9	9.5 - 38	ST 3.9	9.5 - 38	ST 3.9	9.5 - 38
ST 4.2	9.5 - 50	ST 4.2	9.5 - 50	ST 4.2	9.5 - 50
ST 4.8	9.5 - 60	ST 4.8	9.5 - 60	ST 4.8	9.5 - 60
ST 5.5	13 - 60	ST 5.5	13 - 60	ST 5.5	13 - 60
ST 6.3	13 - 60	ST 6.3	13 - 60	ST 6.3	13 - 60

Cross Recessed Pan Head Tapping Screw		Cross Recessed CSK Flat Head Tapping Screw		Cross Recessed Raised CSK (Oval) Head Tapping Screw	
DIN-7981		DIN-7982		DIN-7983	
Size	Length	Size	Length	Size	Length
ST 2.9	9.5 - 38	ST 2.9	9.5 - 38	ST 2.9	9.5 - 38
ST 3.5	9.5 - 38	ST 3.5	9.5 - 38	ST 3.5	9.5 - 38
ST 3.9	9.5 - 38	ST 3.9	9.5 - 38	ST 3.9	9.5 - 38
ST 4.2	9.5 - 50	ST 4.2	9.5 - 50	ST 4.2	9.5 - 50
ST 4.8	9.5 - 60	ST 4.8	9.5 - 60	ST 4.8	9.5 - 60
ST 5.5	13 - 60	ST 5.5	13 - 60	ST 5.5	13 - 60
ST 6.3	13 - 60	ST 6.3	13 - 60	ST 6.3	13 - 60



ANSI B 18.6.3

Cross Recessed Pan Head Machine Screw		Cross Recessed Truss Head Machine Screw		Cross Recessed Flat CSK Head Machine Screw		Cross Recessed Raised CSK Oval Head Machine Screw	
Size	Length	Size	Length	Size	Length	Size	Length
#4	3/8" - 1 1/4"	#4	3/8" - 1 1/4"	#4	3/8" - 1 1/4"	#4	3/8" - 1 1/4"
#5	3/8" - 1 1/4"	#6	3/8" - 1 1/2"	#6	3/8" - 1 1/2"	#6	3/8" - 1 1/2"
#6	3/8" - 1 1/2"	#8	3/8" - 1 1/2"	#8	3/8" - 1 1/2"	#8	3/8" - 1 1/2"
#8	3/8" - 1 1/2"	#10	1/2" - 2"	#10	1/2" - 2"	#10	1/2" - 2"
#10	1/2" - 2"	1/4"	1/2" - 3"	#12	1/2" - 2"	#12	1/2" - 2"
#12	1/2" - 2"	#4	3/8" - 1 1/4"	1/4"	1/2" - 3"	1/4"	1/2" - 3"
1/4"	1/2" - 3"	-	-	5/16"	5/8" - 3"	-	-
5/16"	5/8" - 3"	-	-	-	-	-	-
3/8"	7/8" - 3"	-	-	-	-	-	-

ANSI B 18.6.4

Cross Recessed Pan Head Tapping Screw		Cross Recessed Truss Head Tapping Screw		Cross Recessed Flat CSK Head Tapping Screw		Cross Recessed Raised CSK Oval Head Tapping Screw	
Size	Length	Size	Length	Size	Length	Size	Length
#6	3/8" - 1 1/2"	#6	3/8" - 1 1/2"	#6	3/8" - 1 1/2"	#6	3/8" - 1 1/2"
#8	3/8" - 2"	#8	3/8" - 2"	#8	3/8" - 2"	#8	3/8" - 2"
#10	3/8" - 2 1/4"	#10	3/8" - 2 1/4"	#10	3/8" - 2 1/4"	#10	3/8" - 2 1/4"
#12	5/8" - 2 1/4"	#12	5/8" - 2 1/4"	#12	5/8" - 2 1/4"	#12	5/8" - 2 1/4"
#14	5/8" - 2 1/4"	#14	5/8" - 2 1/4"	#14	5/8" - 2 1/4"	-	-

Hexagon flange bolt (FT) - DIN 6921

Size	Length	
	min	max
M5	10	50
M6	10	60
M8	10	80
M10	16	100
M12	20	200
M14	25	150
M16	25	200



Hexalobular socket pan Head Screw			Hexalobular socket pan Head Screw		
ISO 14583 TX			ISO 14581 TX		
Size	Len (Min)	Len (Max)	Size	Len (Min)	Len (Max)
M3	10	30	M3	10	30
M4	10	40	M4	10	50
M5	10	50	M5	10	50
M6	12	60	M6	12	60
M8	15	60	M8	16	60
M10	20	60	M10	20	60

Hexalobular socket Cheese Head Screw			Hexalobular raised CSK Head Screw		
ISO 14580 TX			ISO 14584 TX		
Size	Len (Min)	Len (Max)	Size	Len (Min)	Len (Max)
M3	10	30	M3	10	30
M4	10	40	M4	10	50
M5	10	50	M5	10	50
M6	12	60	M6	12	60
M8	15	60	M8	15	60
M10	20	60	M10	20	60

Hexalobular Pan Hd. Tapping Sc. (Cross Recess)			Hexalobular CSK Tapping Sc. (Cross Recess)		
ISO 14585 TX			ISO 14586 TX		
Size	Len (Min)	Len (Max)	Size	Len (Min)	Len (Max)
ST 2.9	9.5	38	ST 2.9	9.5	38
ST 3.5	9.5	38	ST 3.5	9.5	38
ST 4.2	9.5	50	ST 4.2	9.5	50
ST 4.8	9.5	60	ST 4.8	9.5	60
ST 5.5	13	60	ST 5.5	13	60
ST 6.3	13	60	ST 6.3	13	60

DIN934 ISO4032	DIN439 ISO4035	ANSI B 18.2.2		
Hexagon Nuts	Hexagon Thin Nuts	Heavy Hexagon Nuts	Hexagon Nuts	Hexagon Jam Nuts
M5 - M27	M6 - M24	1/4" - 7/8"	1/4" - 1"	1/4" - 1"

DIN557	DIN562	DIN928	DIN929
Square Nuts	Square Thin Nuts	Square Weld Nuts	Hexagon Weld Nuts
M5 - M12	M6 - M8	M6 - M10	M5 - M12



DIN6923		BS 1083
Hexagon Flange Nuts	Hexagon Flange Nuts with Serration	Hexagon Nuts
M 6 - M 12	M 6 - M 12	1/4" – 1"

	Threaded Rod			
	DIN 975/DIN 976		ANSI B 18.31.3/IFI 136/ ASTM A 193	
	Size	Length	Size	Length
Long Length	M5	0.5mtr - 2mtr	1/4"	0.5mtr - 2mtr
	M6-M36	0.5mtr - 3mtr		3' - 6'
Short Length	M5	30 - 90	5/16" – 1 1/2"	0.5mtr - 3mtr
	M6	30 - 150		3' - 12'
	M8	30 - 160		
	M10	40 - 160		
	M12	40 - 160		
	M14	50 - 160		
	M16	50 - 160		
	M18	60 - 160		
	M20	60 - 160		

Dowel Bars	
Size	Length
M6 – M12	60 - 250

Future development

Bolt Section		
Sr. No.	Standard	Product Description
1.	DIN478	Square Head Bolts with Collar
2.	DIN479	Square Head Bolts with Short Dog Point
3.	DIN561	Hexagon Head Set Screws with Small Hexagon & Full Dog Point
4.	DIN938	Studs (Metal End)
5.	DIN939	Studs (Threaded End)
6.	DIN940	Studs (Metal End)
7.	DIN961	Hexagon Bolts (Fine Threads) M8x1.0 to M52x3.0
8.	DIN7984	Hexagon Socket Thin Head Cap Screw
9.	DIN913	Hexagon Socket Set Screw with Flat Point
10.	ASME B18.2.1	Square Head Bolt
11.	ASME B18.2.1	Hexagon Flange Screws
12.	ASME B18.5	Round Head Bolts



13.	ASME B18.5	Round Head Bolts (CSK Slotted)
14.	IFI-148	Threaded Projection Weld Studs
15.	ASME B18.3	Low Head Socket Cap Screws
16.	ASME B18.3	Hexagon Socket Set Screws with Flat Point

Header Section

Sr. No.	Standard	Product Description
1.	DIN7995	Cross Recessed Raised CSK Head Wood Screw (M5 & Above)
2.	DIN7996	Cross Recessed Pan Head Wood Screw (M5 & Above)
3.	DIN7997	Cross Recessed CSK Head Wood Screw (M5 & Above)
4.	WS9330	Slotted Mushroom Head Screws
5.	ASME B18.6.2	Slotted Flat CSK Head Cap Screws
6.	ASME B18.6.2	Slotted Round Head Cap Screws
7.	ASME B18.6.2	Slotted Fillister Head Cap Screws

Nut Section

Sr. No.	Standard	Product Description
1.	ASME B18.2.2	Square Nut
2.	ASME B18.16.4/ IFI-145	Flange Nut
3.	DIN936	Hexagon Thin Nuts
4.	DIN6331	Hexagon Nuts With Collar (Height 1.5d)
5.	ASME B18.6.4	Serrated Hex Flange Lock Nuts

T. Bar

Sr. No.	Standard	Product Description
1.	DIN976	Threaded Rod (A4-80 Grade) Upto M24

Testing Facilities**Certifications****Certified from (TUV)**

Tensile Test	EN-ISO 10204-3.1	ISO 9001-2008
Impact Test	PPAP level 3	CE
Hardness Test	EN-ISO 10204-3.2	ADW2 / PED
IGC Test	-	PED

6.	DIN940	Studs (Metal End)
7.	DIN961	Hexagon Bolts (Fine Threads) M8x1.0 to M52x3.0
8.	DIN7984	Hexagon Socket Thin Head Cap Screw
9.	DIN913	Hexagon Socket Set Screw with Flat Point
10.	ASME B18.2.1	Square Head Bolt
11.	ASME B18.2.1	Hexagon Flange Screws
12.	ASME B18.5	Round Head Bolts