kun®

"KUNnecting the world with fasteners"

'The Fine Art of Fastening'

An IATF Certified Company

CERTIFIED IATF 16949:2016 COMPANY

KUNTEK FASTENERS PVT. LTD.

- Stainless Steel Fasteners
- Special Carbon Steel Fasteners
- Manufacturer of Precision & Engineering Fasteners

Contents :

Customers / Applications

We are approved and favoured vendors to various Original Equipment Manufacturers (OEMs) in different segments of industry.

Automotive

Chemical

Oil & Gas

Solar

Electronics

Power Generation

Telecommunication

Construction

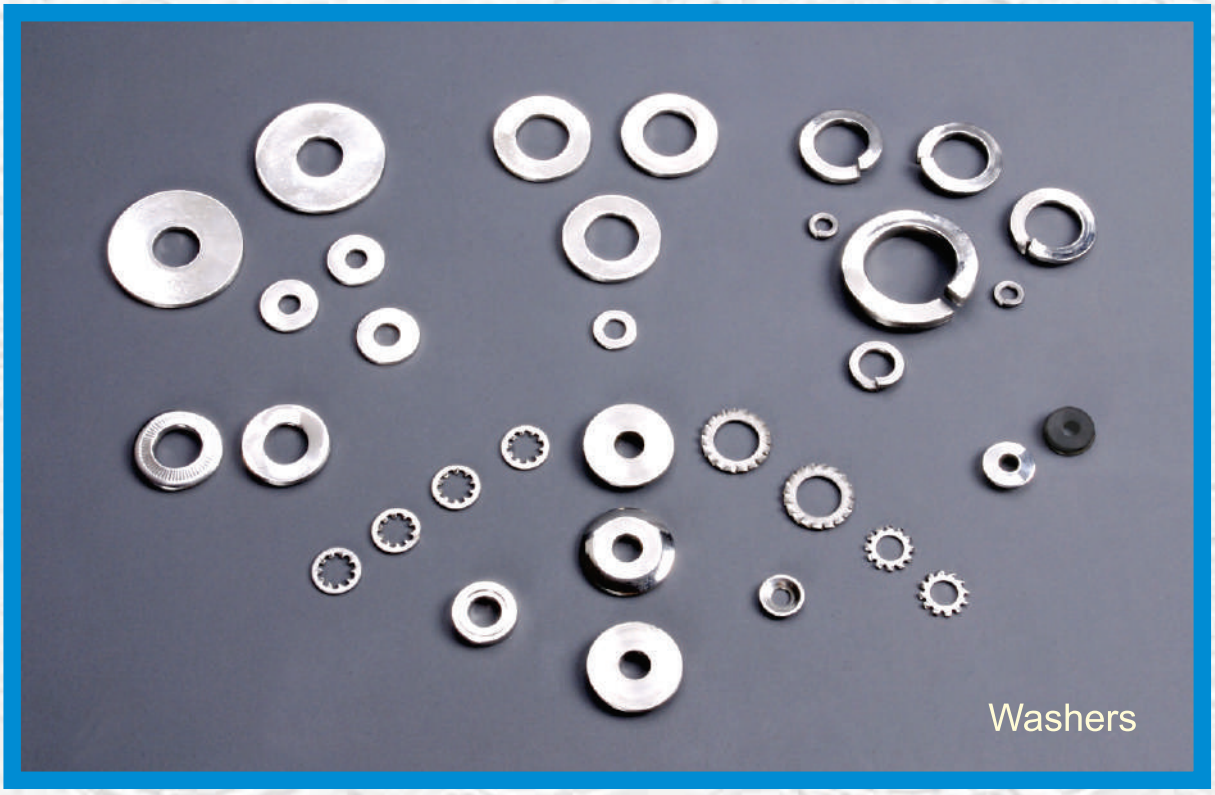
Battery

Aerospace

Pump & Valves

Defence

Railways etc.


Washers


Hex. Bolt


Eye Bolts


Studs


Pan Head Screws


Hexagonal Socket
Head Cap Screws


Self Tapping Screws

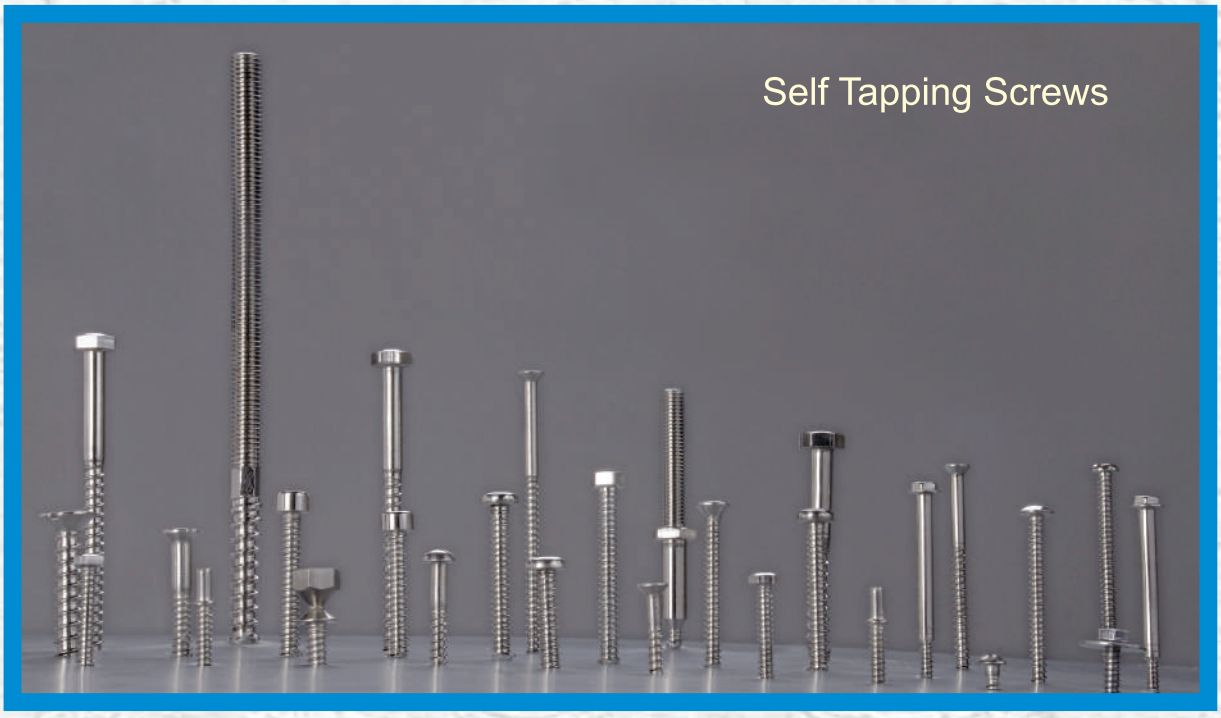

Security Screws &
Hex Flange Screws

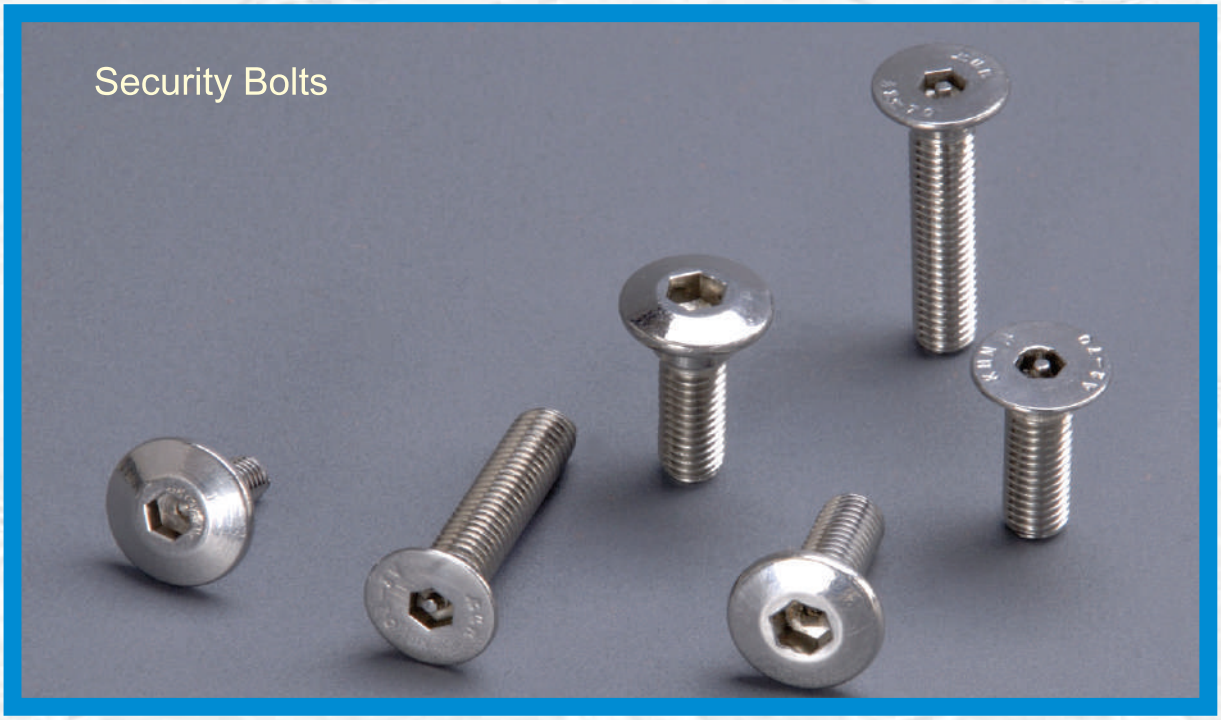

Mushroom Square
Neck Carrage Bolts


Hex. Soc. Csk. Head Screws


Hex Flange Bolt


Tee Bolt
KUN
KUN
KUN
A4 S8


Self Tapping Screws


Security Bolts


Button Head Screws

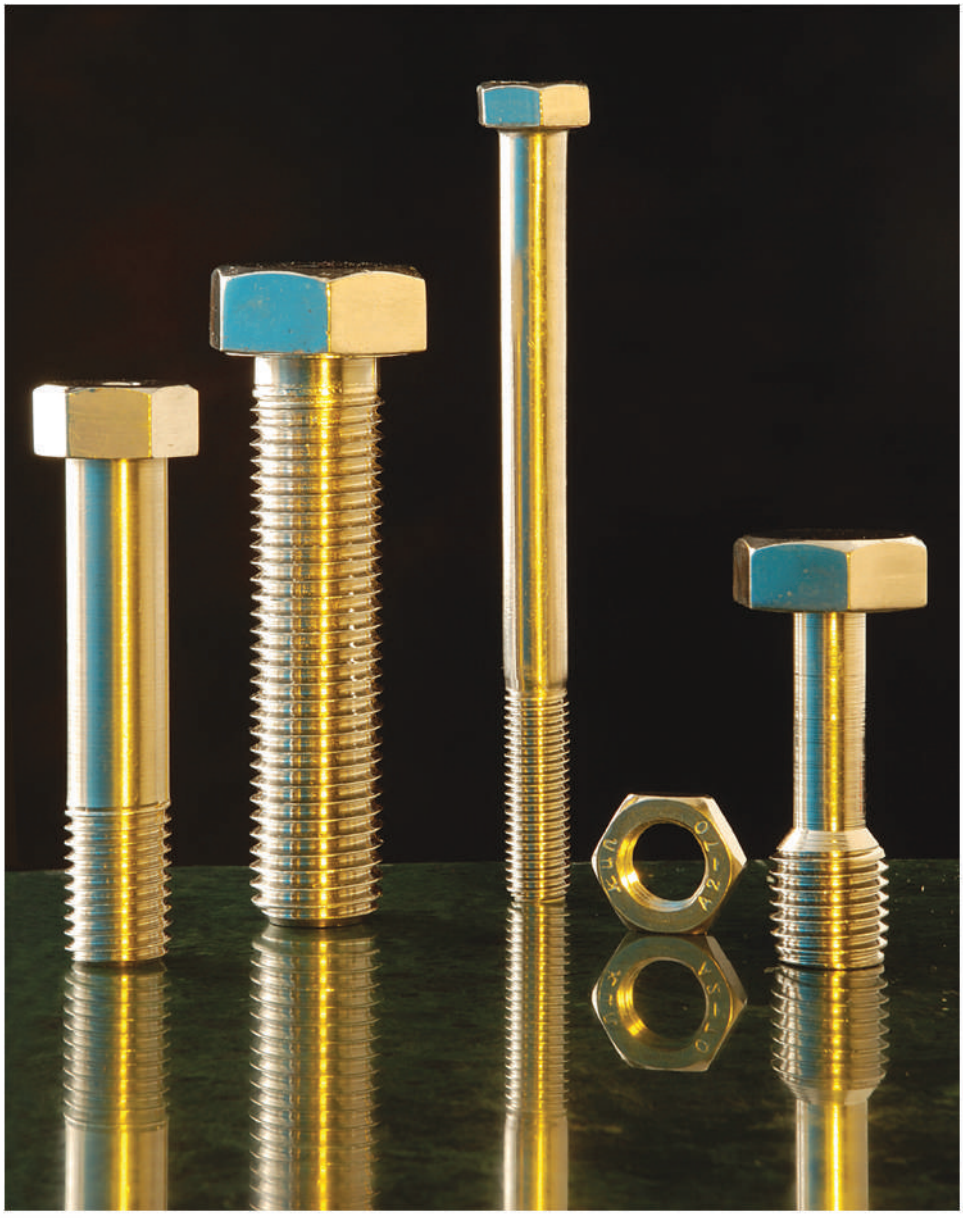

U Bolts


Self Drilling Screws


Cross Recessed &
Hex. Soc. Button Head Screw


Slotted Round
Head Screws


Nuts



Types of Fasteners	:	Bolt/Nuts, Studs, Screws, Rivets,Anchors, Carriage Bolts, Nylock Nuts, Self Tapping Screws, SS Self Drilling Screws, Trilobular Screws, Set/Grub Screw, Hex Socket Cap Screw, Button Head Screw, Cage Nut, Integral Fasteners, Security Fasteners, Weld Fasteners, Acid Proof Fasteners, Roofing Screws, Micro Screws, Hammer Drive Screws, Precision Press Components, Plain Washer, Spring Washer, Star Washer, etc.
Product Standards	:	IS, DIN, JIS, ASTM, Bs etc.
Product Size	:	Dia 1.4 mm to 36 mm and Length 4 to 250mm
Threads	:	Special, Metric, UNC,UNF, BSW, BSF, BA, Self Tapping, Self Drilling, ACME, Hi-Lo etc.

What makes Kuntek Fasteners the best....

Objective

Kuntek's aim is to provide High Tech Stainless Steel Fasteners having High Corrosion Resistance, Engineering Advantage, Full Safety, Economical and meeting Environment Friendly Norms.

European Compliance

Our Stainless Steel Fasteners meeting RoHS & WEEE requirement.

Major Advantages

- Least Corrosion (Long Life)
- No Galling - No Ceasing of Nut & Bolt (No Service Problem)
- Excellent Aesthetic & Long Lasting Bright Finish
- Cost Effective as per Life Cycle Costing
- NoHeat Treatment & No Electro Plating (Environment Friendly)
- No Hydrogen Embrittlement (No Chance of Breaking / Failures - High Safety)
- No Gauge Problem (Higher Production at Assembly Line & Zero Rejection)
- Fire Safety - Low Deformation at the High Temperature.

Special Development

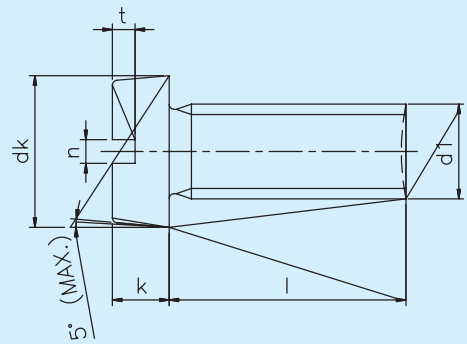
- Development of High Tensile Stainless Fasteners by cold forging without heat treatment.
- Dico Coated Stainless Steel Fasteners with High Corrosion Resistance and Acid Proof.
- Black Colour Stainless Steel Fasteners - A better substitute of Black Zinc Carbon Steel Fasteners for aesthetic application in Automobiles.

Testing

In-house Physical, Chemical Testing including Salt Spray for Corrosion testing.

SLOTTED CHEESE HEAD SCREWS

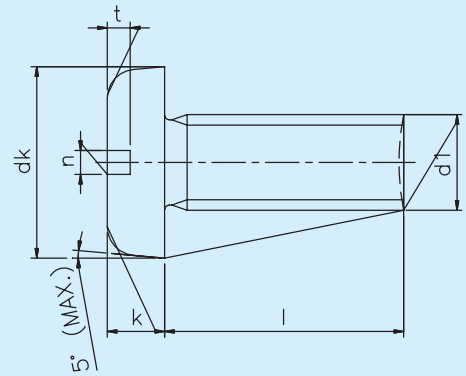
DIN 84 / IS 1366 / ISO 1207 / EN ISO 1207



Thread (d1)		M 1.6	M 2	M 2.5	M 3	M 4	M 5	M 6	M 8	M 10
P		0.35	0.4	0.45	0.5	0.7	0.8	1	1.25	1.5
dk	max.	3.00	3.80	4.50	5.50	7.00	8.50	10.00	13.00	16.00
	min.	2.86	3.62	4.32	5.32	6.78	8.28	9.78	12.73	15.73
k	max.	1.10	1.40	1.80	2.00	2.60	3.30	3.9	5.0	6.0
	min.	0.96	1.26	1.66	1.86	2.46	3.12	3.6	4.7	5.7
n	max.	0.60	0.70	0.80	1.00	1.51	1.51	1.91	2.31	2.81
	min.	0.46	0.56	0.66	0.86	1.26	1.26	1.66	2.06	2.56
t	min.	0.45	0.6	0.7	0.85	1.1	1.3	1.6	2	2.4

SLOTTED PAN HEAD SCREWS

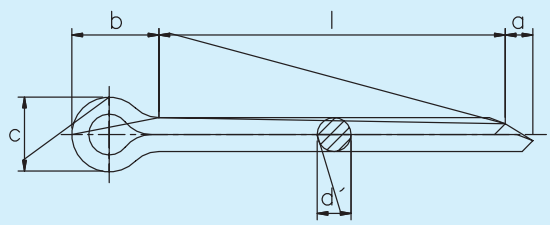
DIN 85 / IS 6101 / ISO 1580 / EN ISO 1580



Thread (d1)		M 1.6	M 2	M 2.5	M 3	M 4	M 5	M 6	M 8	M 10
P		0.35	0.4	0.45	0.5	0.7	0.8	1	1.25	1.5
dk	max.	3.2	4.0	5.0	5.6	8.00	9.50	12.00	16.00	20.00
	min.	2.9	3.7	4.7	5.3	7.64	9.14	11.57	15.57	19.48
k	max.	1.00	1.30	1.50	1.80	2.40	3.00	3.6	4.8	6.0
	min.	0.86	1.16	1.36	1.66	2.26	2.86	3.3	4.5	5.7
n	max.	0.60	0.70	0.80	1.00	1.51	1.51	1.91	2.31	2.81
	min.	0.46	0.56	0.66	0.86	1.26	1.26	1.66	2.06	2.56
t	min.	0.35	0.5	0.6	0.7	1	1.2	1.4	1.9	2.4

SPLIT PINS

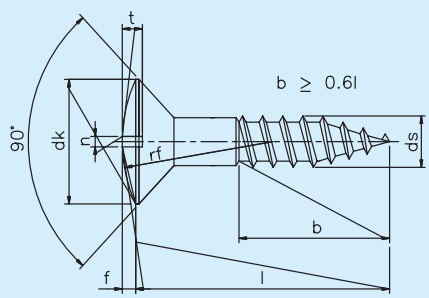
DIN 94



	Nominal Size	0.8	1	1.2	1.6	2	2.5	3.2
d1	max.	0.7	0.9	1	1.4	1.8	2.3	2.9
	min.	0.6	0.8	0.9	1.3	1.7	2.1	2.7
a	max.	1.6	1.6	2.5	2.5	2.5	2.5	3.2
	min.	0.8	0.8	1.25	1.25	1.25	1.25	1.6
b	~	2.4	3	3	3.2	4	5	6.4
c	min.	1.2	1.6	1.7	2.4	3.2	4	5.1
	max.	1.4	1.8	2	2.8	3.6	4.6	5.8

SLOTTED RAISED COUNTERSUNK (OVAL) HEAD WOOD SCREWS

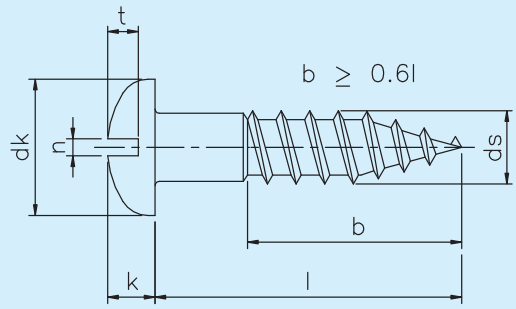
DIN 95 / IS 6736



Thread size		(2)	2.5	3	3.5	4	4.5	5	(5.5)	6	(7)	(8)
ds	max.= nominal size	2	2.5	3	3.5	4	4.5	5	5.5	6	7	8
	min.	1.6	2.1	2.6	3.02	3.52	4.02	4.52	5.02	5.52	6.42	7.42
dk	max.	4.18	5.08	5.98	6.95	7.95	8.75	9.65	10.75	11.55	13.05	15.05
	min.	3.43	4.33	5.23	6.05	7.05	7.85	8.75	9.65	10.45	11.95	13.95
f	~	0.5	0.6	0.75	0.9	1	1.1	1.25	1.4	1.5	1.8	2
rf	~	4	5	6	7	8	9	10	11	12	14	16
n	max.	0.7	0.8	1	1	1.2	1.2	1.51	1.51	1.91	2.31	2.31
	min.	0.56	0.66	0.86	0.86	1.06	1.06	1.26	1.26	1.66	2.06	2.06
t	max.	1	1.2	1.45	1.7	1.9	2.1	2.3	2.5	2.8	3.2	3.7
	min.	0.8	1	1.2	1.4	1.6	1.8	2	2.2	2.4	2.8	3.2

SLOTTED ROUND HEAD WOOD SCREWS

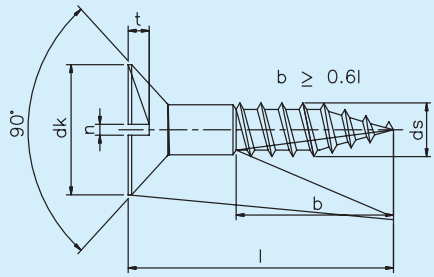
DIN 96 / IS 6739



Thread size		2	2.5	3	3.5	4	4.5	5	(5.5)	6	(7)	(8)
ds	max.= nominal size	2	2.5	3	3.5	4	4.5	5	5.5	6	7	8
	min.	1.6	2.1	2.6	3.02	3.52	4.02	4.52	5.02	5.52	6.42	7.42
dk	max.	4.38	5.38	6.38	7.45	8.45	9.45	10.45	11.55	12.55	14.55	16.55
	min.	3.62	4.62	5.62	6.55	7.55	8.55	9.55	10.45	11.45	13.45	15.45
k	max.	1.6	1.9	2.3	2.6	3	3.34	3.74	4.04	4.44	5.14`	5.84
	min.	1.2	1.5	1.9	2.1	2.6	2.86	3.26	3.56	3.96	4.66	5.36
n	max.	0.7	0.8	1	1	1.2	1.2	1.51	1.51	1.91	2.31	2.31
	min.	0.56	0.66	0.86	0.86	1.06	1.06	1.26	1.26	1.66	2.06	2.06
t	max.	0.9	1.1	1.35	1.6	1.8	2	2.3	2.5	2.7	3.2	3.6
	min.	0.7	0.85	1.05	1.2	1.4	1.55	1.75	1.9	2.1	2.45	2.8

SLOTTED COUNTERSUNK (FLAT) HEAD WOOD SCREWS

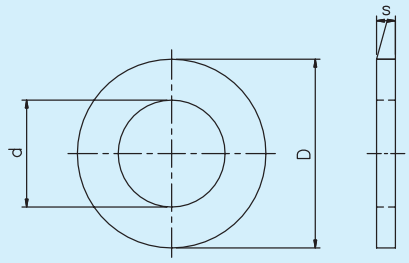
DIN 97 / IS 6760



Thread size		2	2.5	3	3.5	4	4.5	5	(5.5)	6	(7)	8	(10)
ds	max.= nominal size	2	2.5	3	3.5	4	4.5	5	5.5	6	7	8	10
	min.	1.6	2.1	2.6	3.02	3.52	4.02	4.52	5.02	5.52	6.42	7.42	9.42
dk	max.	4.18	5.08	5.98	6.95	7.95	8.75	9.65	10.75	11.55	13.05	15.05	18.55
	min.	3.43	4.33	5.23	6.05	7.05	7.85	8.75	9.65	10.45	11.95	13.95	17.45
n	max.	0.7	0.8	1	1	1.2	1.2	1.51	1.51	1.91	2.31	2.31	2.81
	min.	0.56	0.66	0.86	0.86	1.06	1.06	1.26	1.26	1.66	2.06	2.06	2.56
t	max.	0.6	0.7	0.85	1	1.1	1.2	1.3	1.4	1.6	1.9	2.1	2.6
	min.	0.4	0.5	0.6	0.7	0.8	0.9	1	1.1	1.2	1.4	1.6	2

PLAIN WASHERS

DIN 125 / IS 2016-A / ISO 7089

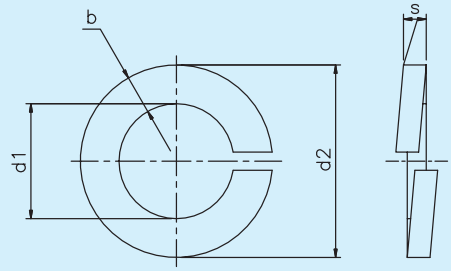


Size d	D Nom	s Nom	For Screw Size
1.8	4	0.4	M1.6
2.4	5	0.4	M2
2.9	6.5	0.5	M2.5
3.4	7	0.5	M3
(4.0)	8	0.5	(M3.5)
4.5	9	0.8	M4
5.5	10	1	M5
6.6	12.5	1.6	M6
9	17	1.6	M8
11	21	2	M10

Size d	D Nom	s Nom	For Screw Size
14	24	2.5	M12
(16)	28	2.5	(M14)
18	30	3.15	M16
22	37	3.15	M20
26	44	4	M24
33	56	4	M30
39	66	5	M36
45	78	6	M42
(48)	85	8	(M45)

SPRING / LOCK WASHERS

DIN 127 / IS 3063

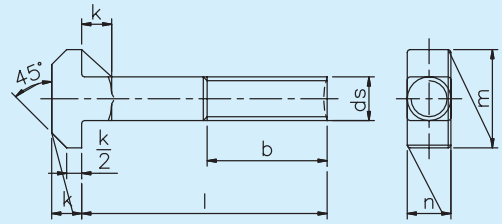


d1		d2	b		s		
Basic	Tol	Max	Basic	Tol	Basic	Tol	Screw Size
2.1	0.3	4.4	0.9	0.1	0.5	0.1	M2
2.6	0.3	5.1	1	0.1	0.6	0.1	M2.5
3.1	0.3	6.2	1.3	0.1	0.8	0.1	M3
4.1	0.3	7.6	1.5	0.1	0.9	0.1	M4
5.1	0.3	9.2	1.8	0.1	1.2	0.1	M5
6.1	0.4	11.8	2.5	0.15	1.6	0.1	M6
8.2	0.4	14.8	3	0.15	2	0.1	M8
10.2	0.6	18.1	3.5	0.2	2.2	0.15	M10
12.2	0.8	21.1	4	0.2	2.5	0.15	M12

d1		d2	b		s		
Basic	Tol	Max	Basic	Tol	Basic	Tol	Screw Size
14.2	0.8	24.1	4.5	0.2	2	0.15	M14
16.2	0.8	27.4	5	0.2	3.5	0.2	M16
18.2	0.8	29.4	5	0.2	3.5	0.2	M18
20.2	1.0	33.6	6	0.2	4	0.2	M20
22.5	1	35.9	6	0.2	4	0.2	M22
24.5	1	40	7	0.25	5	0.2	M24
27.5	1	43	7	0.25	5	0.2	M27
30.5	1.2	48.2	8	0.25	6	0.2	M30

TEE - HEAD BOLT WITH SQUARE NECK

DIN 186 / IS 2014

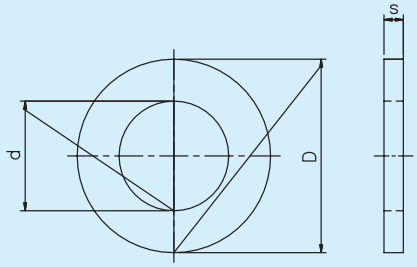


b = min. thread length for half thread screw

Thread size (ds)		M 6	M8	M10	M 12	M 16	M 20
P		1	1.25	1.5	1.75	2	2.5
k	max.	4.9	5.9	7.5	8.75	11.4	13.9
	min.	4.1	5.1	6.5	7.25	9.6	12.1
n	max.	6.6	8.75	10.75	12.9	16.9	21
	min.	5.4	7.25	9.25	11.1	15.1	19
m	max.	16.9	18.9	22	27	31	37.25
	min.	15.1	17.1	20	25	29	34.75

PLAIN WASHER (FOR CHEESE HEAD SCREW)

DIN 433 / IS 2016B

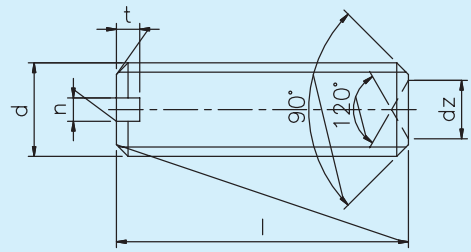


Size d	D Nom	s Nom	For Screw Size
1.8	3.5	0.4	M1.6
2.4	4.5	0.4	M2
2.9	5.0	0.5	M2.5
3.4	6.0	0.5	M3
(4.0)	7.0	0.5	(M3.5)
4.5	8.0	0.8	M4
5.5	9.5	1.0	M5
6.6	11	1.6	M6
9	14	1.6	M8
11	18	2	M10

Size d	D Nom	s Nom	For Screw Size
14	20	2.5	M12
(16)	24	2.5	(M14)
18	27	3.15	M16
22	33	3.15	M20

SLOTTED SET SCREWS - CUP POINT

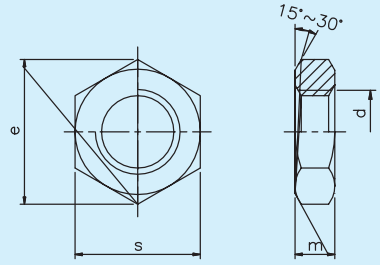
DIN 436 / IS 2388 / ISO 7436 / EN ISO 27436



Thread size d		M 1.6	M 2	M 2.5	M 3	M 4	M 5	M6	M 8	M 10	M 12
P		0. 35	0.4	0.45	0.5	0.7	0.8	1	1.25	1.5	1.75
dz	min.	0.55	0.75	0.95	1.15	1.75	2.25	2.75	4.7	5.7	7.7
	max.	0.8	1	1.2	1.4	2	2.5	3	5	6	8
n	min.	0.31	0.31	0.46	0.46	0.66	0.86	1.06	1.26	1.66	2.06
	max.	0.45	0.45	0.6	0.6	0.8	1	1.2	1.51	1.91	2.31
t	min.	0.56	0.64	0.72	0.8	1.12	1.28	1.6	2	2.4	2.8
	max.	0.74	0.84	0.95	1.05	1.42	1.63	2	2.5	3	3.6

HEXAGONAL THIN NUTS

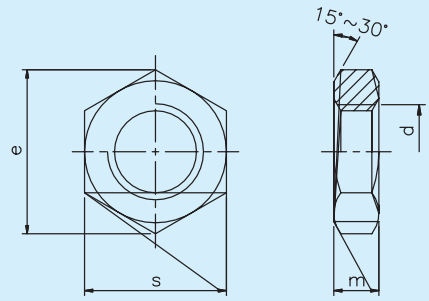
DIN 439



Size	Pitch	e min.	m	s
M1.6	0.35	3.48	1	3.2
M2	0.4	4.38	1.2	4
M2.5	0.45	5.51	1.6	5
M3	0.5	6.08	1.8	5.5
M4	0.7	7.74	2.2	7
M5	0.8	8.87	2.7	8
M6	1.0	11.0	3.2	10
M8	1.25	14.38	4	13
M10	1.5	18.90	5	17
M12	1.75	21.1	6	19
(M14)	2.0	24.49	7	22
M16	2.0	26.75	8	24
M20	2.5	33.53	10	30
M24	3.0	39.98	12	36

HEXAGONAL THIN NUTS

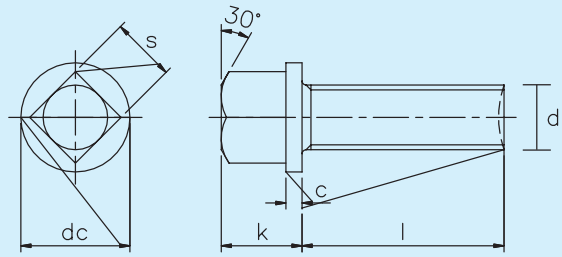
IS 1364 (PT-4) / ISO 4035 / EN ISO 24035



Thread size d		M1.6	M 2	M 2,5	M 3	M 4	M 5	M 6	M 8
P		0.35	0.4	0.45	0.5	0.7	0.8	1	1.25
m	max.	1	1.2	1.6	1.8	2.2	2.7	3.2	4
	min.	0.75	0.95	1.35	1.55	1.95	2.45	2.9	3.7
s	max.	3.2	4	5	5.5	7	8	10	13
	min.	3.02	3.82	4.82	5.32	6.78	7.78	9.78	12.73
Thread size d			**M10**	**M 12**	**M16**	**M 20**	**M 24**	**M 30**	**M 36**
P			1.5	1.75	2	2.5	3	3.5	4
m	max.		5	6	8	10	12	15	18
	min.		4.7	5.7	7.42	9.10	10.9	13.9	16.9
s	max.		16	18	24	30	36	46	55
	min.		15.73	17.73	23.67	29.16	35	45	53.8

SQUARE HEAD BOLT WITH COLLER

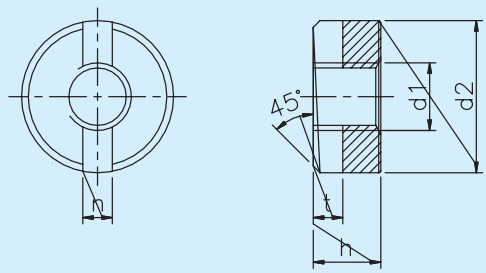
DIN 478



	Thread Size d	M5	M6	M8	M10	M12	M16		M20	
P		0.8	1	1.25	1.5	1.75	2		2.5	
C	Nominal Dimension	2	2	2	3	3	4		5	
	min.	1.88	1.88	1.88	2.88	2.88	3.85		4.85	
	max.	2.12	2.12	2.12	3.12	3.12	4.15		5.15	
dc	max.	9.5	10.5	13.5	16.5	19.5	25		31	
	min.	8.92	9.8	12.8	15.8	18.66	24.16		30	
k	min.	6.82	7.82	9.82	12.78	14.78	19.74		24.74	
	max.	7.18	8.18	10.18	13.22	15.22	20.26		25.26	
s	max.	5	6	8	10	13	16	17	21	22
	min.	4.82	5.82	7.78	9.78	12.73	15.73	16.73	20.67	21,67

SLOTTED ROUND NUTS

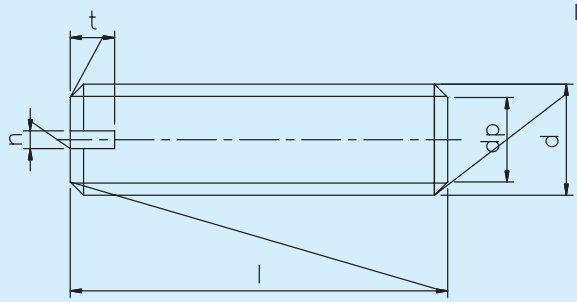
DIN 546



Thread size d		M 1	M 1.2	M 1.4	M 1.6	M 2	M 2.5	M3	(M3.5)	M4
P		0.25	0.25	0.3	0.35	0.4	0.45	0.5	0.6	0.7
d_2	max.	2.5	3	3	3.5	4.5	5.5	6	7	8
	min.	2.25	2.75	2.75	3.2	4.2	5.2	5.7	6.64	7.64
h	max.	1	1.2	1.4	1.6	2	2.2	2.5	3	3.5
	min.	0.75	0.95	1.15	1.35	1.75	1.95	2.25	2.75	3.2
n	min.	0.36	0.46	0.46	0.56	1.06	1.26	1.26	1.46	1.46
	max.	0.5	0.6	0.6	0.7	1.2	1.51	1.51	1.71	1.71
t	min.	0.3	0.4	0.5	0.6	0.8	0.9	1	1	1.2
	max.	0.5	0.6	0.7	0.8	1	1.1	1.2	1.4	1.6

SLOTTED SET SCREWS - WITH FLAT POINT

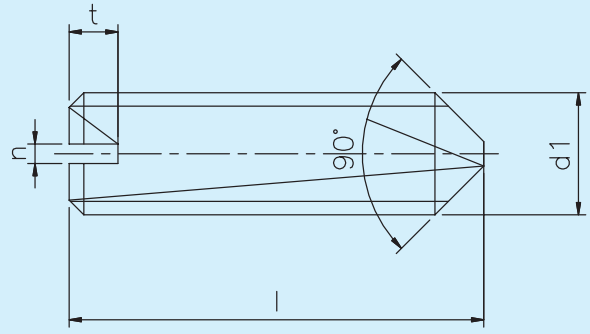
DIN 551 / IS 2388/ ISO 4766 / EN ISO 24766



Thread size (d)		M 1.2	M1.6	M2	M 2.5	M 3	(M3.5)	M 4	M 5	M 6	M 8	M 10	M12
P [2]		0.25	0.35	0.4	0.45	0.5	0.6	0.7	0.8	1	1.25	1.5	1.75
d_p	min.	0.35	0.55	0.75	1.25	1.75	1.95	2.25	3.2	3.7	5.2	6.64	8.14
	max.	0.6	0.8	1	1.5	2	2.2	2.5	3.5	4	5.5	7	8.5
n	min.	0.26	0.31	0.31	0.46	0.46	0.56	0.66	0.86	1.06	1.26	1.66	2.06
	max.	0.4	0.45	0.45	0.6	0.6	0.7	0.8	1	1.2	1.51	1.91	2.31
t	min.	0.4	0.56	0.64	0.72	0.8	0.96	1.12	1.28	1.6	2	2.4	2.8
	max.	0.52	0.74	0.84	0.95	1.05	1.21	1.42	1.63	2	2.5	3	3.6

SLOTTED SET SCREWS - WITH CONE POINT

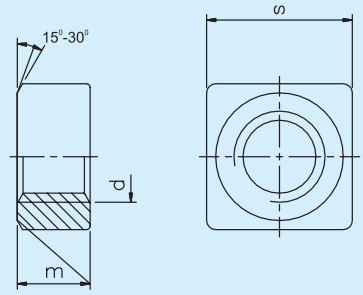
DIN 553 / IS 2388/ ISO 7434 / EN ISO 27434



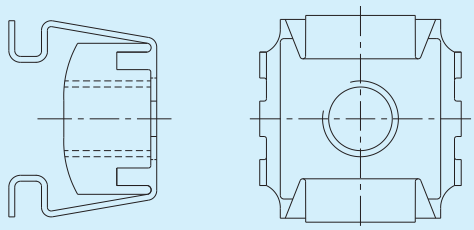
Thread size (d_1)		M 1.2	M1.6	M2	M 2.5	M 3	(M3.5)[1]	M 4	M 5	M 6	M 8	M 10	M12
P		0.25	0.35	0.4	0.45	0.5	0.6	0.7	0.8	1	1.25	1.5	1.75
n	min.	0.26	0.31	0.31	0.46	0.46	0.56	0.66	0.86	1.06	1.26	1.66	2.06
	max.	0.4	0.45	0.45	0.6	0.6	0.7	0.8	1	1.2	1.51	1.91	2.31
t	min.	0.4	0.56	0.64	0.72	0.8	0.96	1.12	1.28	1.6	2	2.4	2.8
	max.	0.52	0.74	0.84	0.95	1.05	1.21	1.42	1.63	2	2.5	3	3.6

SQUARE NUTS

DIN 557



Thread Size d		M5	M6	M8	M10		M12		M16
P		0.8	1	1.25	1.5		1.75		2
m	max.	4	5	6.5	8		10		13
	min.	3.52	4.52	5.92	7.42		9.42		12.3
s	max.	8	10	13	16	17	18	19	24
	min.	7.64	9.64	12.57	15.57	16.57	17.57	18.48	23.16

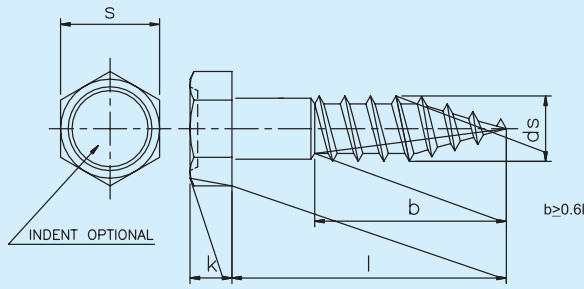


CAGE NUTS

SIZE RANGE : M3 TO M10

HEXAGOANAL HEAD WOOD SCREWS

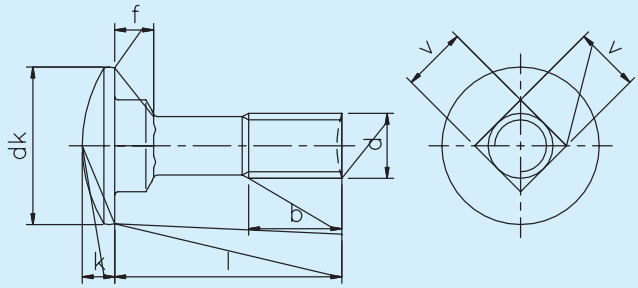
DIN 571 / IS 1120



Thread size ds		4	5	6	(7)	8	10
k	max.	3.1	3.88	4.38	5.38	5.88	7.45
	min.	2.5	3.13	3.63	4.63	5.13	6.55
s	max.	7	8	10	12	13	17
	min.	6.64	7.64	9.64	11.57	12.57	16.57

MUSHROOM HEAD SQUARE NECK BOLTS

DIN 603 / IS 8677

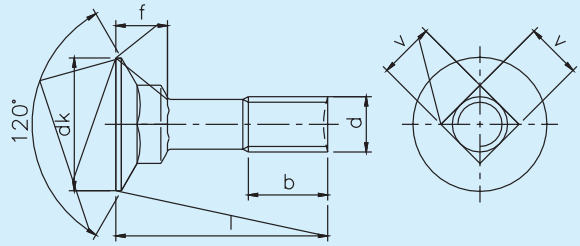


b = min. thread length for partial thread screws

Screw Thread (d)		M 5	M6	M8	M10	M12	M16	M20
P		0.8	1	1.25	1.5	1.75	2	2.5
d_k	max.	13.55	16.55	20.65	24.64	30.65	38.8	46.8
	min.	12.45	15.45	19.35	23.35	29.35	37.2	45.2
f	max.	4.1	4.6	5.6	6.6	8.75	12.9	15.9
	min.	2.9	3.4	4.4	5.4	7.25	11.1	14.1
k	max.	3.3	3.88	4.88	5.38	6.95	8.95	11.05
	min.	2.7	3.12	4.12	4.62	6.05	8.05	9.95
v	max.	5.48	6.48	8.58	10..58	12.7	16.7	20.84
	min.	4.52	5.52	7.42	9.42	11.3	15.3	19.16

FLAT COUNTERSUNK SQUARE NECK BOLTS

DIN 605

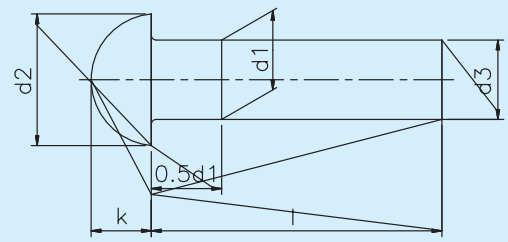


b = min. thread length for partial thread screws

Thread size d		M 6	M8	M 10
P		1	1.25	1.5
dk	max.	16.55	20.65	24.65
	min.	15.45	19.35	23.35
f	max.	7.45	9.45	11.55
	min.	6.55	8.55	9.45
v	max.	6.48	8.58	10.58
	min.	5.52	7.42	9.42

ROUND HEAD RIVETS

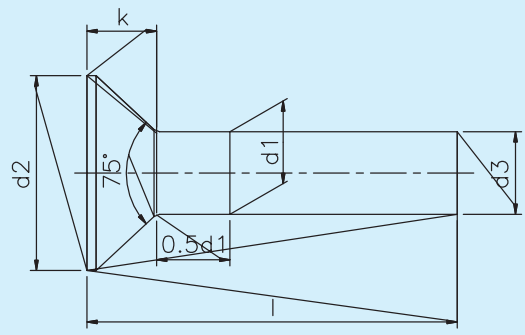
DIN 660



d1	nominal size	**1**	**1.2**	**(1.4)**	**1.6**	**2**	**2.5**	**3**	**(3.5)**	**4**	**5**	**6**	**(7)**	**8**
	Limit deviations	± 0.05				± 0.1					± 0.15			
d2	nominal size	1.8	2.1	2.4	2.8	3.5	4.4	5.2	6.2	7	8.8	10.5	12.2	14
	Tolerance	h14							h15					
d3	min.	0.93	1.13	1.33	1.52	1.87	2.37	2.87	3.37	3.87	4.82	5.82	6.82	7.76
k	js14.	0.6	0.7	0.8	1	1.2	1.5	1.8	2.1	2.4	3	3.6	4.2	4.8

COUNTERSUNK HEAD RIVETS

DIN 661

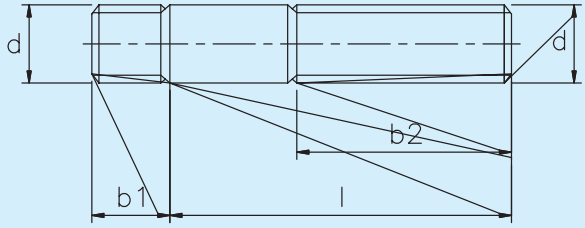


d_1	nominal size	1	1.2	(1.4)	1.6	2	2.5	3	(3.5)	4	5	6	(7)	8
d_2	nominal size	1.8	2.1	2.5	2.8	3.5	4.4	5.2	6.3	7	8.8	10.5	12.2	14
	Tolerance	h14							h15					
d_3	min.	0.93	1.13	1.33	1.52	1.87	2.37	2.87	3.37	3.87	4.82	5.82	6.82	7.76
k	□	0.5	0.6	0.7	8	1	1.2	1.4	1.8	2	2.5	3	3.5	4

STUDS, METAL END-2d

DIN 835

METAL END

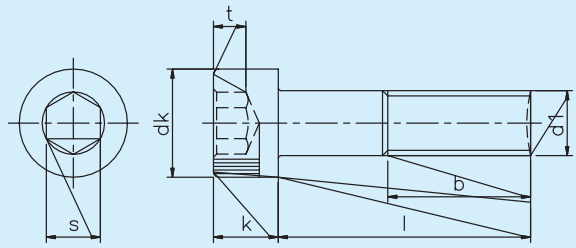


NUT END

d	M4	M5	M6	M8	M10	M12	(M14)	M16	M20
	-	-	-	-	-				
b_1	8	10	12	16	20	24	28	32	40
b_2	14	16	18	22	26	30	34	38	46

HEXAGONAL SOCKET HEAD CAP SCREWS

DIN 912 / IS 2269/ ISO 4762

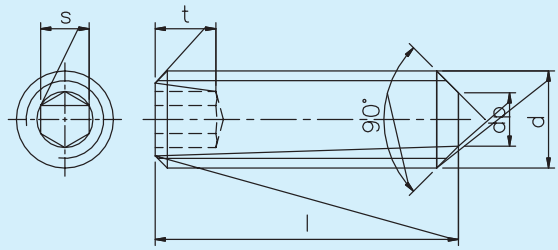


b = min. thread length for half thread screws

Thread size (d1)		M 1.6	M2	M2.5	M3	M4	M5	M6	M8	M10	M12	(M14)	M16	(M18)	M20
P		0.35	0.4	0.45	0.5	0.7	0.8	1	1.25	1.5	1.75	2	2	2.5	2.5
b	Ref. dimension	15	16	17	18	20	22	24	28	32	36	40	44	48	52
dk	max.	3	3.8	4.5	5.68	7.22	8.72	10.22	13.27	16.27	18.27	21.33	24.33	27.33	30.33
	min.	2.86	3.62	4.32	5.32	6.78	8.28	9.78	12.73	15.73	17.73	20.67	23.67	26.67	29.67
k	max.	1.6	2	2.5	3	4	5	6	8	10	12	14	16	18	20
	min.	1.46	1.86	2.36	2.86	3.82	4.82	5.7	7.64	9.64	11.57	13.57	15.57	17.57	19.48
s	Nominal dims.	1.5	1.5	2	2.5	3	4	5	6	8	10	12	14	14	17
	min.	1.52	1.52	2.02	2.52	3.02	4.02	5.02	6.02	8.025	10.025	12.032	14.032	14.032	17.05
	max.	1.56	1.56	2.06	2.58	3.08	4.095	5.14	6.14	8.175	10.175	12.212	14.212	14.212	17.23
t	min.	0.7	1	1.1	1.3	2	2.5	3	4	5	6	7	8	9	10

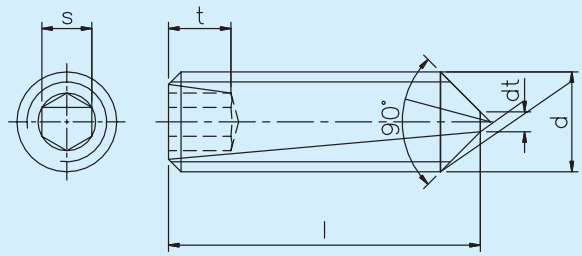
HEXAGONAL SOCKET SET SCREWS WITH FLAT POINT

DIN 913 / IS 6094 / ISO 4026



Thread size (d)		M 2	M2.5	M3	M4	M5	M6	M8	M10	M12	(M 14)	M16	(M18)	M20
P		0.4	0.45	0.5	0.7	0.8	1	1.25	1.5	1.75	2	2	2.5	2.5
ds	max.	1	1.5	2	2.5	3.5	4	5.5	7	8.5	10	12	13	15
	min.	0.75	1.25	1.75	2.25	3.2	3.7	5.2	6.64	8.14	9.64	11.57	12.57	14.57
s	Nominal Size	0.9	1.3	1.5	2	2.5	3	4	5	6	6	8	10	10
	min.	0.889	1.27	1.52	2.02	2.52	3.02	4.02	5.02	6.02	6.02	8.025	10.025	10.025
	max.	0.902	1.295	1.545	2.045	2.56	3.08	4.095	5.095	6.095	6.095	8.115	10.115	10.115
t	min.	0.8	1.2	1.2	1.5	2	2	3	4	4.8	5.6	6.4	7.2	8
		1.7	2	2	2.5	3	3.5	5	6	8	9	10	11	12

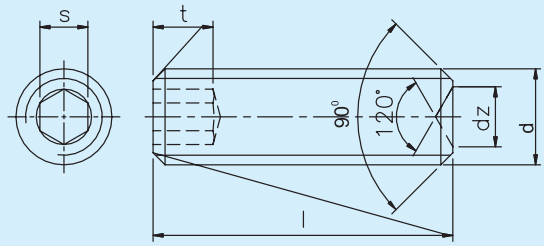
DIN 914 / IS 6094 / ISO 4027



Thread size (d)		M 2	M2.5	M3	M4	M5	M6	M8	M10	M12	(M 14)	M16	(M18)	M20	(M22)	(M24)
P		0.4	0.45	0.5	0.7	0.8	1	1.25	1.5	1.75	2	2	2.5	2.5	2.5	3
dt	max.	-	-	-	-	-	1.5	2	2.5	3	4	4	5	5	6	6
	min.	-	-	-	-	-	0.9	1.4	1.9	2.4	3.25	3.25	4.25	4.25	5.25	5.25
s	Nominal Size	0.9	1.3	1.5	2	2.5	3	4	5	6	6	8	10	10	12	12
	min.	0.889	1.27	1.52	2.02	2.52	3.02	4.02	5.02	6.02	6.02	8.025	10.025	10.025	12.032	12.032
	max.	0.902	1.295	1.545	2.045	2.56	3.08	4.095	5.095	6.095	6.095	8.115	10.115	10.115	12.142	12.142
t	min.	0.8	1.2	1.2	1.5	2	2	3	4	4.5	5.6	6.4	7.2	8	9	10
		1.7	2	2	2.5	3	3.5	5	6	8	9	10	11	12	13.5	15

HEXAGONAL SOCKET SET SCREWS WITH CUP POINT

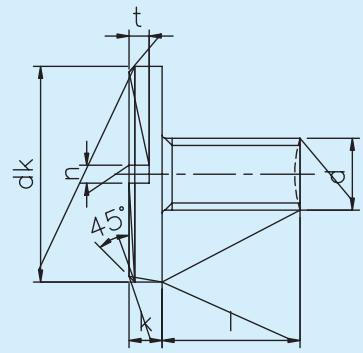
DIN 916 / IS 6094 / ISO 4029



Thread size (d)		M1.6	M 2	M2.5	M3	M4	M5	M6	M8	M10	M12	M16	M20
P		0.35	0.4	0.45	0.5	0.7	0.8	1	1.25	1.5	1.75	2	2.5
dz	max.	0.8	1	1.2	1.4	2	2.5	3	5	6	8	10	14
	min.	0.55	0.75	0.95	1.15	1.75	2.25	2.75	4.7	5.7	7.64	9.64	13.57
s	min.	0.711	0.889	1.27	1.52	2.02	2.52	3.02	4.02	5.02	6.02	8.025	10.025
	max.	0.724	0.902	1.295	1.545	2.045	2.56	3.08	4.095	5.095	6.095	8.115	10.115
t	min.	0.7	0.8	1.2	1.2	1.5	2	2	3	4	4.8	6.4	8
		1.5	1.7	2	2	2.5	3	3.5	5	6	8	10	12

SLOTTED PAN HEAD SCREWS WITH LARGE HEAD

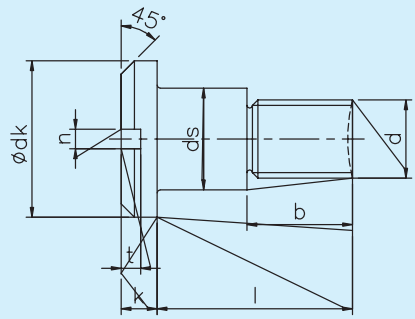
DIN 921



Thread size (d)		M 2	M2.5	M3	M 3.5	M4	M5	M6	M8	M10
P		0.4	0.45	0.5	0.6	0.7	0.8	1	1.25	1.5
d_k	max. Nominal Size	6	7	8	10	12	16	20	25	30
	min.	5.64	6.64	7.64	9.64	11.57	15.57	19.48	24.48	29.48
k	Nominal Size	1.2	1.5	1.8	2	2.4	2.7	3.1	3.8	4.6
	max.	1.32	1.62	1.92	2.12	2.52	2.82	3.25	3.95	4.75
	min.	1.08	1.38	1.68	1.88	2.28	2.58	2.95	3.65	4.45
n	Nominal size	0.5	0.6	0.8	0.8	1	1.2	1.6	2	2.5
	min.	0.56	0.66	0.86	0.86	1.06	1.26	1.66	2.06	2.56
	max.	0.7	0.8	1	1	1.2	1.51	1.91	2.31	2.81
t	min.	0.6	0.75	0.9	1	1.2	1.3	1.5	1.9	2.3
	max.	0.8	0.95	1.15	1.3	1.5	1.6	1.9	2.4	2.8

SLOTTED PAN HEAD SCREWS WITH SHOULDER

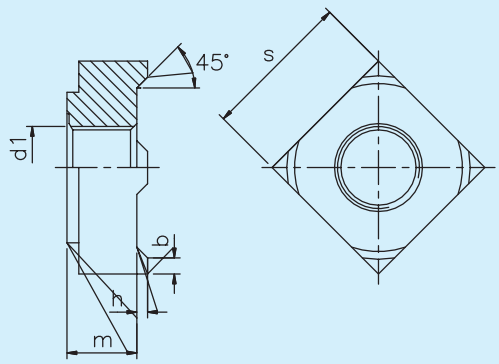
DIN 923



Thread size (d)		M 2	M2.5	M3	M4	M5	M6	M8	M10
P		0.4	0.45	0.5	0.7	0.8	1	1.25	1.5
b	Nominal size	3	3.5	4.5	6	7	9	11	13.5
d_k	max. = Nominal Size	4.5	6	7	8.5	11	13	16	20
	min.	4.32	5.82	6.78	8.28	10.73	12.73	15.72	19.67
d_s	Max. = Nominal Size	2.8	3.5	4	5.5	7	8	10	13
	min.	2.74	3.44	3.94	5.44	6.94	7.92	9.92	12.92
k	Nominal Size	1.2	1.5	1.8	2.4	2.7	3.1	3.8	4.6
	max.	1.32	1.62	1.92	2.52	2.82	3.25	2.95	4.75
	min.	1.08	1.38	1.68	2.28	2.58	2.95	3.65	4.45
n	Nominal Size	0.5	0.6	0.8	1	1.2	1.6	2	2.5
	min.	0.56	0.66	0.86	1.06	1.26	1.66	2.06	2.56
	max.	0.7	0.8	1	1.2	1.51	1.91	2.31	2.81
t	min.	0.6	0.75	0.9	1.2	1.3	1.5	1.9	2.3
	max.	0.8	0.95	1.15	1.5	1.6	1.9	2.4	2.8

SQUARE WELD NUTS

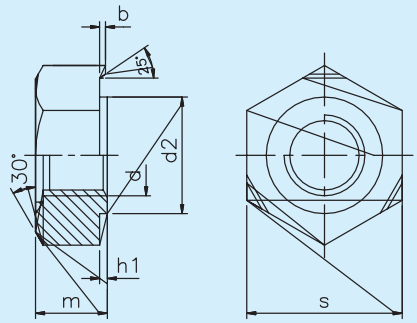
DIN 928



Thread Size d1	b	h	m	s
M4	0.8	0.6	3.5	7
M5	1	0.8	4.2	9
M6	1.2	0.8	5	10
M8	1.5	1	6.5	14
M10	1.8	1.2	8	17
M12	2	1.4	9.5	19
M16	2.5	1.6	13	24

HEXAGONAL WELD NUTS

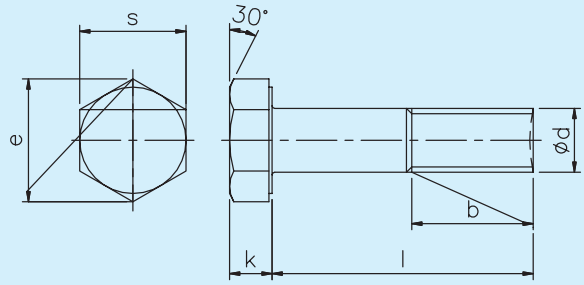
DIN 929 / IS 8856



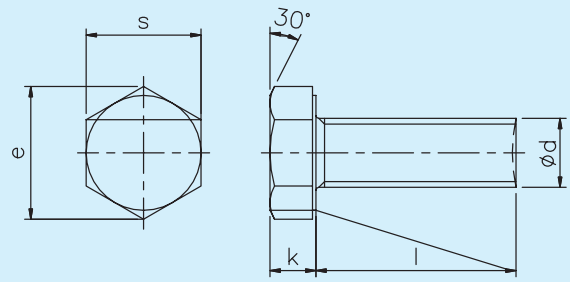
Thread Size d	b	d2	h1	m h14	s h13
M3	0.8	4.5	0.55	3	7.5
M4	0.8	6	0.65	3.5	9
M5	0.8	7	0.7	4	10
M6	0.9	8	0.75	5	11
(M7)	0.9	9	0.8	5.5	12
M8	1	10.5	0.9	6.5	14
M10	1.25	12.5	1.15	8	17
M12	1.25	14.8	1.4	10	19
(M14)	1.5	16.8	1.8	11	22
M 16	1.5	18.8	1.8	13	24

HEXAGONAL HEAD BOLT - HALF THREAD

DIN 931 / IS 1364 (PT-1) / ISO 4014



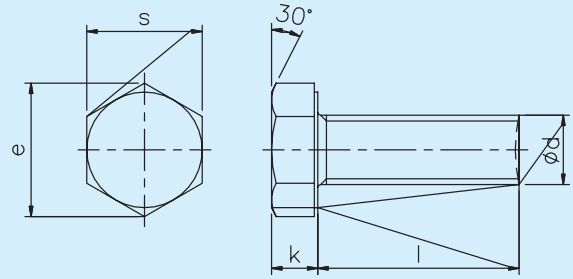
Thread size (d)	M1.6	M 2	M2.5	M3	M4	M5	M6	M8	M10	M12	M16	M20
b	9	10	11	12	14	16	18	22	26	30	38	46
e m.	3.48	4.38	5.51	6.08	7.74	8.87	11.05	14.38	18.90	21.1	26.75	33.53
k	1.1	1.4	1.7	2	2.8	3.5	4	5.5	7	8	10	13
s	3.2	4	5	5.5	7	8	10	13	17	19	24	30



Thread size (d)	M 2	M2.5	M3	M4	M5	M6	(M7)	M8	M10	M12	(M 14)	M16	(M18)	M20	(M24)
e min.	4.38	5.51	6.08	7.74	8.87	11.05	12.12	14.38	18.90	20.88	23.91	26.17	29.56	32.95	39.55
k	1.4	1.7	2	2.8	3.5	4	5	5.5	7	8	9	10	12	13	15
s	4	5	5.5	7	8	10	11	13	17	19	22	24	27	30	36

HEXAGONAL HEAD SCREWS FULL THREAD

IS 1364 (PT-2) ISO 4017 / EN 24017

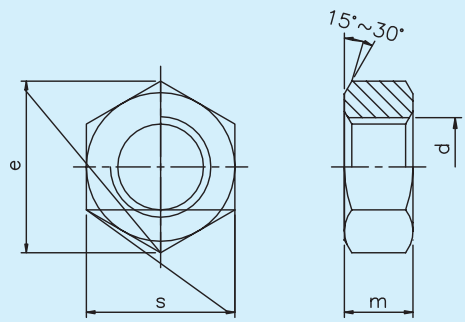


Thread size (d)		M1.6	M 2	M2.5	M3	M4	M5	M6	M8	M10	M12	M16	M20
P		0.35	0.4	0.45	0.5	0.7	0.8	1	1.25	1.5	1.75	2	2.5
e	*min.*	3.41	4.32	5.45	6.01	7.66	8.79	11.05	14.38	17.77	20.03		
		-	-	-	-	-	-	-	-	-	-	26.17	32.95
k	Nom.	1.1	1.4	1.7	2	2.8	3.5	4	5.3	6.4	7.5	10	12.5
	min.	0.975	1.275	1.575	1.875	2.675	3.35	3.85	5.15	6.22	7.32	9.71	12.15
	max.	1.225	1.525	1.825	2.125	2.925	3.65	4.15	5.45	6.58	7.68	10.29	12.85
s	min.	3.02	3.82	4.82	5.32	6.78	7.78	9.78	12.73	15.73	17.73	23.16	29.16
	max.	3.2	4	5	5.5	7	8	10	13	16	18	24	30

k

HEXAGONAL NUTS

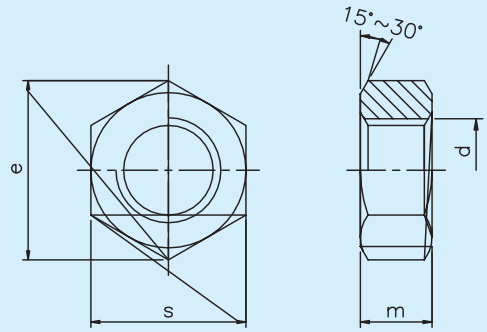
DIN 934



d	e		m	s
	m	mg		
M1.6	3.48	-	1.3	3.2
M2.	4.38	-	1.6	4
M2.5	5.51	-	2	5
M3	6.08	-	2.4	5.5
M3.5	6.64	-	2.8	6
M4	7.74	-	3.2	7
M5	-	8.63	4	8
M6	-	10.89	5	10
M8	-	14.20	6.5	13
M10	-	18.72	8	17
M12	-	20.88	10	19
M14	-	23.91	11	22
M16	-	26.17	13	24
M20	-	32.95	16	30

HEXAGONAL NUTS

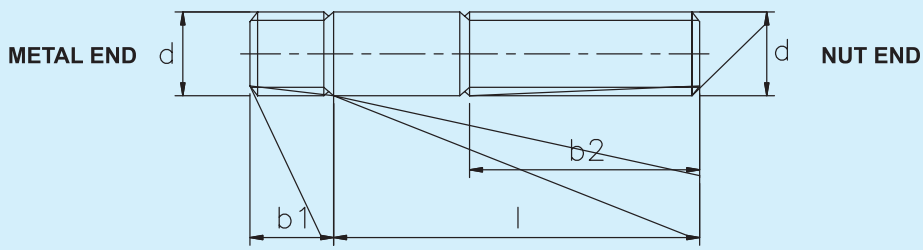
IS 1364 (PT-3) / ISO 4032 / EN ISO 24032



Thread size (d)		M 1.6	M 2	M2.5	M3	M4	M5	M6	M8	M10	M12	M16	M20	M24	M30	M36
P		0.35	0.4	0.45	0.5	0.7	0.8	1	1.25	1.5	1.75	2	2.5	3	3.5	4
e min.		3.41	4.32	5.45	6.01	7.66	8.79	11.05	14.38	17.77	20.03	26.75	32.95	39.55	50.85	60.79
m	max.	1.3	1.6	2	2.4	3.2	4.7	5.2	6.8	8.4	10.8	14.8	18	21.5	25.6	31
	min.	1.05	1.35	1.75	2.15	2.9	4.4	4.9	6.44	8.04	10.37	14.1	16.9	20.2	24.3	29.4
s	max.	3.2	4	5	5.5	7	8	10	13	16	18	24	30	36	46	55
	min.	3.02	3.82	4.82	5.32	6.78	7.78	9.73	12.73	15.73	17.73	23.67	29.16	35	45	53.8

STUDS WITH LENGTH OF ENGAGEMENT EQUAL TO 1 D

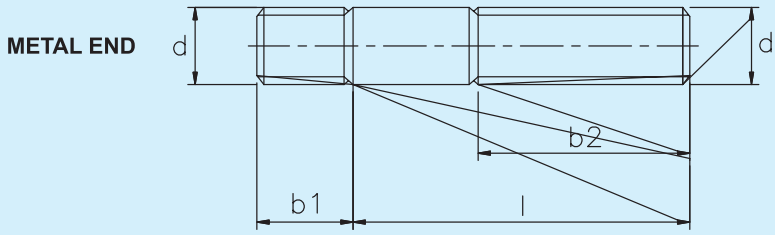
DIN 938



d	M3 X 0.5	M4 X 0.7	M5 X 0.8	M6 X1	M7 X 1	M8 X 1.25	M10 X 1.5	M12X 1.75	(M14 X 2)	M16 X 2
b1	3	4	5	6	7	8	10	12	14	16
b2	12	14	16	18	20	22	26	30	34	38

STUDS WITH LENGTH OF ENGAGEMENT EQUAL TO 1.25 d

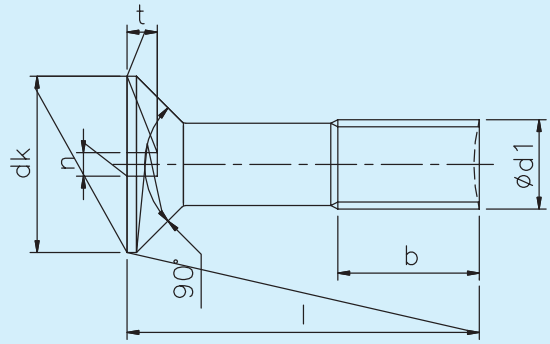
DIN 939



d	M4	M5	M6	(M7)	M8	M10	M12	M16
b1	5	6.5	7.5	9	10	12	15	20
b2	14	16	18	20	22	26	30	38

SLOTTED COUNTERSUNK (FLAT) HEAD SCREWS

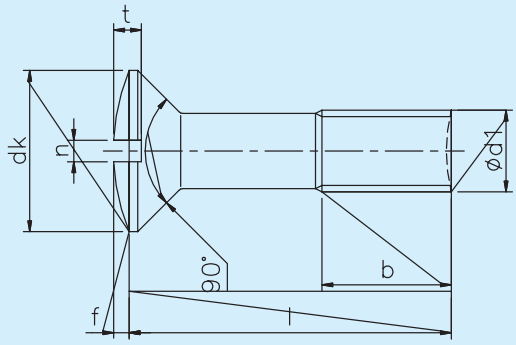
DIN 963 / IS 1365 / ISO 2009



Thread size (d1)		M1.6	M 2	M2.5	M3	M4	M5	M6	M8	M10	M12	M16
b	min.	15	16	18	19	22	25	28	34	40	46	58
d_k	max.	3	3.8	4.7	5.6	7.5	9.2	11	14.5	18	22	29
n		0.4	0.5	0.6	0.8	1	1.2	1.6	2	2.5	3	4
t	min.	0.32	0.4	0.5	0.6	0.8	1	1.2	1.6	2	2.4	3.2
	max.	0.45	0.6	0.7	0.85	1.1	1.3	1.6	2.1	2.6	3	4

SLOTTED RAISED COUNTERSUNK HEAD SCREWS

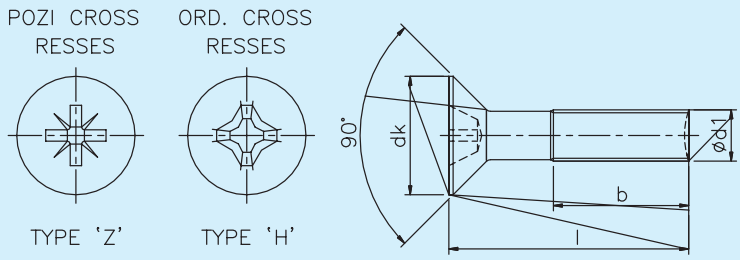
DIN 964 / IS 8911 / ISO 2010



d1		M1.6	M2	M2.5	M3	(M3.5)	M4	M5	M6	M8	M10
b	min.	15	16	18	19	20	22	25	28	34	40
dk		3	3.8	4.7	5.6	6.5	7.5	9.2	11	14.5	18
f		0.4	0.5	0.6	0.75	0.9	1	1.25	1.5	2	2.5
n		0.4	0.5	0.6	0.8	0.8	1	1.2	1.6	2	2.5
t	min.	0.65	0.8	1	1.2	1.4	1.6	2	2.4	3.2	4
	max.	0.8	1	1.2	1.45	1.7	1.9	2.3	2.8	3.7	4.6

CROSS RECESSED COUNTERSUNK (FLAT) HEAD SCREWS

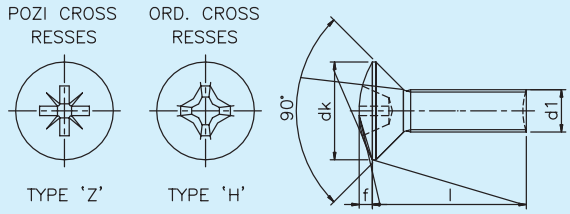
DIN 965 / IS 7485 / ISO 7046



d1	M1.6	(M1.8)	M2	M2.5	M3	(M3.5)	M4	M5	M6	M8	M10
b	15	15	16	18	19	20	22	25	28	34	40
dk	3	3.4	3.8	4.7	5.6	6.5	7.5	9.2	11	14.5	18

CROSS RECESSED COUNTERSUNK (OVAL) HEAD SCREWS

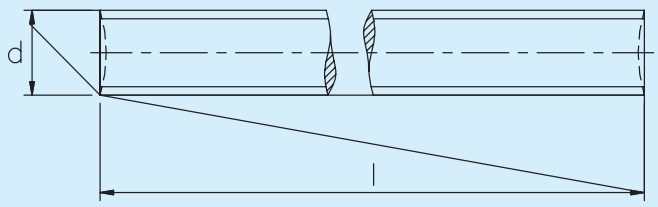
DIN 966 / IS 7486 / ISO 7047



d1	M1.6	(M1.8)	M2	M2.5	M3	(M3.5)	M4	M5	M6	M8	M10
b	15	15	16	18	19	20	22	25	28	34	40
dk	3	3.4	3.8	4.7	5.6	6.5	7.5	9.2	11	14.5	18
f	0.4	0.45	0.5	0.6	0.75	0.9	1	1.25	1.5	2	2.5

THREADED RODS

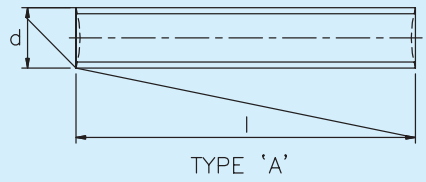
DIN 975



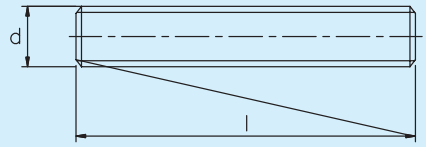
d	M 2	M2,5	M3	(M3,5)	M4	M5	M6	M8	M10	M12	(M14)	M16	(M18)	M20	(M22)	M24	(M27)	M30	(M33)	M36	(M39)	M42
L	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

METRIC THREAD STUD BOLTS

DIN 976-1



TYPE 'A'

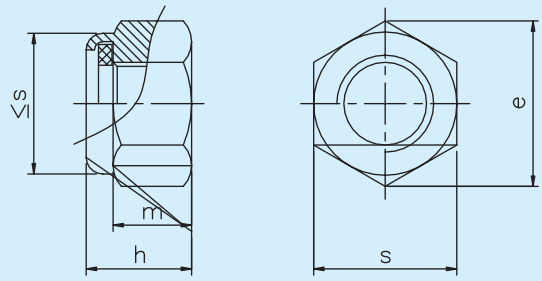


TYPE 'B'

d	M2	M2.5	M3	M4	M5	M6	M8	M10	M12	M16	M20	M24	M30	M36
P	0.40	0.45	0.5	0.7	0.8	1.0	1.25	1.50	1.75	2.0	2.5	3.0	3.5	4.0

PREVAILING TORQUE TYPE HEXAGONAL NUTS (NYLOCK NUTS)

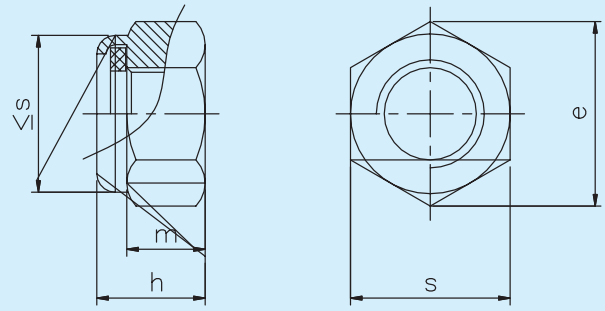
DIN 982 / IS 7002/ ISO 7040



Thread Size		M5	M6	M7	M8	M10	M12	M14	M16	M18	M20
P		0.8	1	1	1.25	1.5	1.75	2	2	2.5	2.5
e	min.	8.79	11.05	12.12	14.38	18.9	21.1	24.49	26.75	29.56	32.95
h	Max. Nominal Size	6.3	8	8.5	9.5	11.5	14	16	18	20	22
	min.	6	7.7	8.2	9.14	11.14	13.64	15.3	17.3	19.16	20.7
m	min.	4.4	4.9	6.14	6.44	8.04	10.37	12.1	14.1	15.1	16.9
s	max. Nominal Size	8	10	11	13	17	19	22	24	27	30
	min.	7.78	9.78	10.73	12.73	16.73	18.67	21.67	23.67	26.16	29.16

PREVAILING TORQUE TYPE HEXAGONAL NUTS (NYLOCK NUTS)

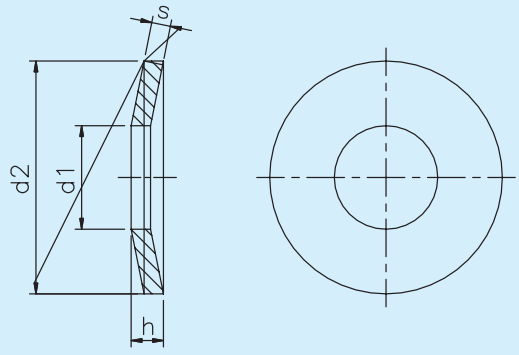
DIN 985



Thread Size		M3	M4	M5	M6	M7	M8	M10	M12	M14	M16	M18	M20
P		0.5	0.7	0.8	1	1	1.25	1.5	1.75	2	2	2.5	2.5
e	min.	6.01	7.66	8.79	11.05	12.12	14.38	18.9	21.1	24.49	26.75	29.56	32.95
h	Max. Nominal Size	4	5	5	6	7.5	8	10	12	14	16	18.5	20
	min.	3.7	4.7	4.7	5.7	7.14	7.64	9.64	11.57	13.3	15.3	17.66	18.7
m	min.	2.4	2.9	3.2	4	4.7	5.5	6.5	8	9.5	10.5	13	14
s	max. Nominal Size	5.5	7	8	10	11	13	17	19	22	24	27	30
	min.	5.32	6.78	7.78	9.78	10.73	12.73	16.73	18.67	21.67	23.67	26.16	29.16

CONICAL SPRING WASHER

DIN 6796

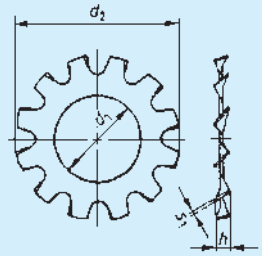


Nom. Size	d1	d2	s	h max	h min.
4	4.3	9	1	1.3	1.12
5	5.3	11	1.2	1.55	1.35
6	6.4	14	1.5	2	1.7
7	7.4	17	1.75	2.3	2
8	8.4	18	2	2.6	2.24
10	10.5	23	2.5	3.2	2.8
12	13	29	3	3.95	3.43
14	15	35	3.5	4.65	4.04
16	17	39	4	5.25	4.58
18	19	42	4.5	5.8	5.08
20	21	45	5	6.4	5.6
22	23	49	5.5	7.05	6.15
24	25	56	6	7.75	6.77
27	28	60	6.5	8.35	7.3
30	31	70	7	9.2	8

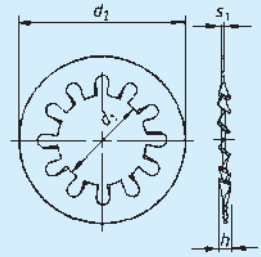
TOOTHED LOCK WASHER EXTERNAL & INTERNAL

DIN 6797 / IS 5371

Type A, with external teeth



Type J, with internal teeth



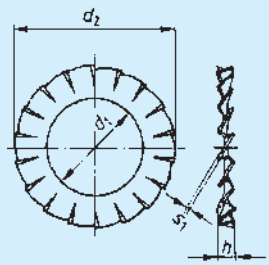
$h \geq 2\,s_1$

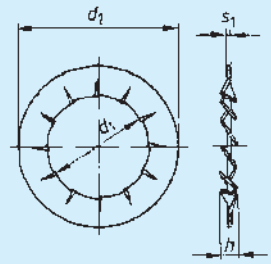
Nom. Size	d1 min.	d1 max.	d2 max.	d2 min.	s1	Nom. Thread Dia
1.7	1.7	1.84	3.6	3.3	0.3	1.6
2.2	2.2	2.34	4.5	4.2	0.3	2
2.7	2.7	2.84	5.5	5.2	0.4	2.5
3.2	3.2	3.38	6	5.7	0.4	3
3.7	3.7	3.88	7	6.64	0.5	3.5
4.3	4.3	4.48	8	7.64	0.5	4
5.3	5.3	5.48	10	9.64	0.6	5
6.4	6.4	6.62	11	10.57	0.7	6
7.4	7.4	7.62	12.5	12.07	0.8	7
8.4	8.4	8.62	15	14.57	0.8	8

Nom. **Size**	d1 **min.**	d1 **max.**	d2 **max.**	d2 **min.**	s1	Nom. Thread Dia
10.5	10.5	10.77	18	17.57	0.9	10
13	13	13.27	20.5	19.98	1	12
15	15	15.27	24	23.48	1	14
17	17	17.27	26	25.48	1.2	16
19	19	19.33	30	29.48	1.4	18
21	21	21.33	33	32.38	1.4	20

SERRATED LOCK WASHER (EXTERNAL & INTERNAL TOOTH)

DIN 6798 / IS 5556





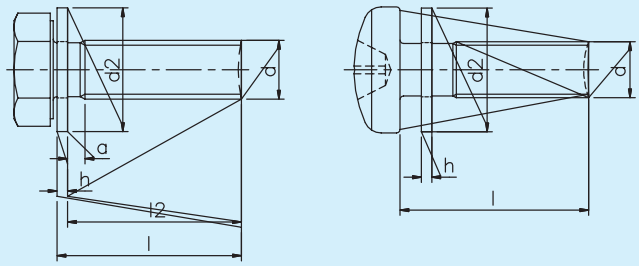
$h \approx 3\,s_1$

Nom. Size	d1 min.	d1 max.	d2 max.	d2 min.	s1	Nom. Thread Dia
1.7	1.7	1.84	3.6	3.3	0.3	1.6
2.2	2.2	2.34	4.5	4.2	0.3	2
2.7	2.7	2.84	5.5	5.2	0.4	2.5
3.2	3.2	3.38	6	5.7	0.4	3
3.7	3.7	3.88	7	6.64	0.5	3.5
4.3	4.3	4.48	8	7.64	0.5	4
5.3	5.3	5.48	10	9.64	0.6	5
6.4	6.4	6.62	11	10.57	0.7	6
7.4	7.4	7.62	12.5	12.07	0.8	7
8.4	8.4	8.62	15	14.57	0.8	8

Nom. Size	d1 min.	d1 max.	d2 max.	d2 min.	s1	Nom. Thread Dia
10.5	10.5	10.77	18	17.57	0.9	10
13	13	13.27	20.5	19.98	1	12
15	15	15.27	24	23.48	1	14
17	17	17.27	26	25.48	1.2	16
19	19	19.33	30	29.48	1.4	18
21	21	21.33	33	32.38	1.4	20

SCREW & WASHER ASSEMBLY

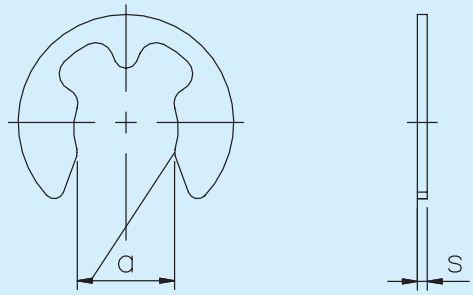
DIN 6900 / EN ISO 10644



Thread Size d	a max.	l2 min.	Type C h	Type C d2	Type A h	Type A d2	Type B h	Type B d2
M 2.5	0.9	4	0.6	5	0.6	6	0.8	8
M3	1	4	0.6	6	0.6	7	0.8	9
(M3.5)	1.2	6	0.8	7	0.8	8	0.8	11
M4	1.4	6	0.8	8	0.8	9	1	12
M5	1.6	6	1	9	1	10	1.6	15
M6	2	8	1.6	11	1.6	12	1.6	18
M8	2.5	10	2	15	2	16	2	24
M10	3	12	2.5	18	2.5	20	2.5	30
M12	3.5	14	3	20	3	24	3	37

LOCK WASHER FOR SHAFTS

DIN 6799

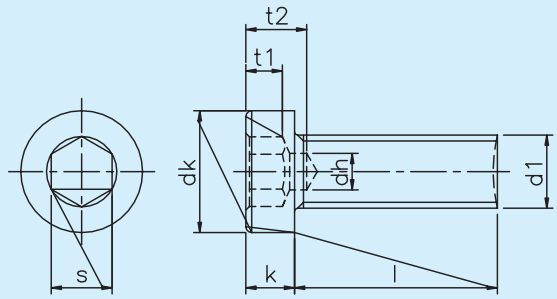


d2 Nom.Size	s	Per Dev.	a
0.8	0.2	ţ 0.03	0.58
1.2	0.3	ţ 0.03	1.01
1.5	0.4	ţ 0.03	1.28
1.9	0.5	ţ 0.03	1.61
2.3	0.6	ţ 0.03	1.94
3.2	0.6	ţ 0.03	2.70
4	0.7	ţ 0.03	3.34
5	0.7	ţ 0.03	4.11

d2 Nom.Size	s	Per Dev.	a
7	0.9	ţ 0.03	5.84
8	1	ţ 0.04	6.52
9	1.1	ţ 0.04	7.63
10	1.2	ţ 0.04	8.32
12	1.3	ţ 0.04	10.45
15	16	ţ 0.04	12.61
19	1.75	ţ 0.04	15.92

HEXAGONAL SOCKET THIN HEAD CAP SCREWS WITH PILOT DRILL

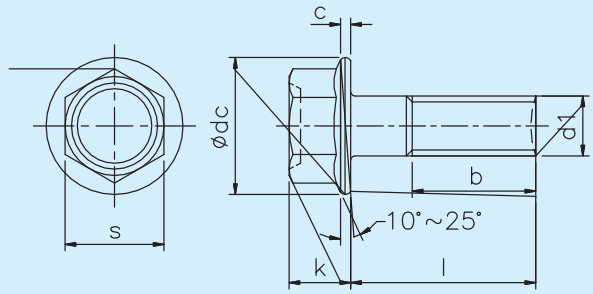
DIN 6912



Thread size (d1)		M 4	M5	M6	M8	M10	M12	(M14)	M16
P (Pitch)		0.7	0.8	1	1.25	1.5	1.75	2	2
b Thread Length (min.)		14	16	18	22	26	30	34	38
dk	max.	7	8.5	10	13	16	18	21	24
	min.	6.78	8.28	9.78	12.73	15.73	17.73	20.67	23.67
dh	min.	2	2.5	3	4	5	6	7	8
	max.	2.1	2.6	3.1	4.1	5.12	6.12	7.12	8.15
k	max.	2.8	3.5	4	5	6.5	7.5	8.5	10
	min.	2.66	3.32	3.82	4.82	6.28	7.28	8.28	9.78
s	min.	3.02	4.02	5.02	6.02	8.025	10.025	12.032	14.032
	max.	3.10	4.12	5.14	6.14	8.175	10.175	12.212	14.212
t1	min.	1.48	1.88	2.38	2.88	3.35	3.85	4.35	5.35
	max.	1.72	2.12	2.62	3.12	3.65	4.15	4.65	5.65
t2	min.	3.3	4	5	6.5	7.5	9	10	11.5
	max.	3.6	4.3	5.3	6.86	7.86	9.36	10.36	11.93

HEXAGONAL FLANGE BOLTS

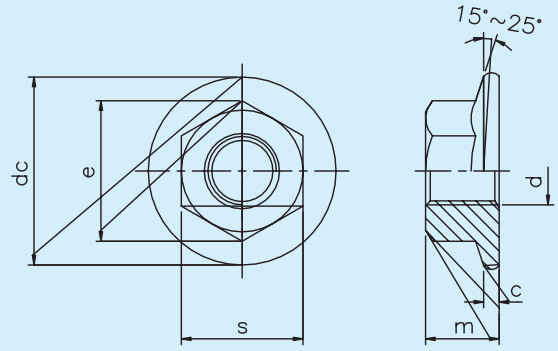
DIN 6921



Thread size d1		M 5	M6	M8	M10	M12	M14	M16	M 20
P		0.8	1	1.25	1.5	1.75	2	2	2.5
b Thread Length (min.)		16	18	22	26	30	34	38	46
dc	max.	11.8	14.2	18	22.3	26.6	30.5	35	43
C	min.	1.0	1.1	1.2	1.5	1.8	2.1	2.4	3.0
k	max.	5.4	6.6	8.1	9.2	11.5	12.8	14.4	17.1
s	max.	8.	10	13	15	16	18	21	27
	min.	7.78	9.78	12.73	14.73	15.73	17.73	20.67	26.67

HEXAGONAL FLANGE NUTS

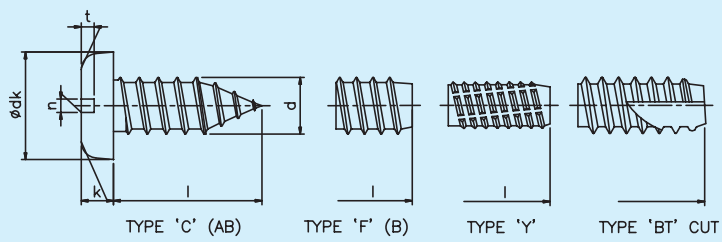
DIN 6923 / ISO 10663



Thread size d		M 5	M6	M8	M10	M12	M14	M16	M 20
P		0.8	1	1.25	1.5	1.75	2	2	2.5
c	min.	1	1.1	1.2	1.5	1.8	2.1	2.4	3
dc	max.	11.8	14.2	17.9	21.8	26	29.9	34.5	42.8
e	min.	8.79	11.05	14.38	16.64	20.03	23.36	26.75	32.95
m	max.	5	6	8	10	12	14	16	20
	min.	4.7	5.7	7.6	9.6	11.6	13.3	15.3	18.9
s	max.	8	10	13	15	18	21	24	30
	min.	7.78	9.78	12.73	14.73	17.73	20.67	23.67	29.67

SLOTTED PAN HEAD TAPPING SCREWS

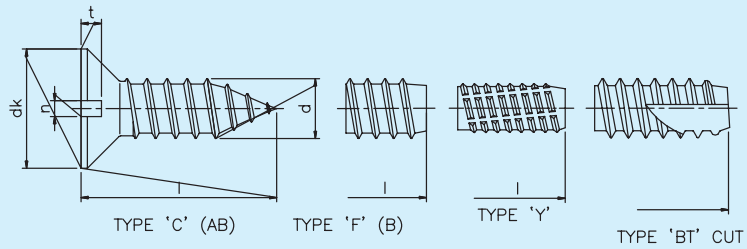
DIN 7971 / IS 7173 / ISO 1481



Thread size (d)		ST 2.2	ST 2.9	ST 3.5	ST 4.2	ST 4.8	ST 5.5	ST 6.3	ST 8	ST 9.5
P		0.8	1.1	1.3	1.4	1.6	1.8	1.8	2.1	2.1
dk	max.	4	5.6	7	8	9.5	11	12	16	20
	min.	3.7	5.3	6.6	7.6	9.1	10.6	11.6	15.6	19.5
k	max.	1.3	1.8	2.1	2.4	3	3.2	3.6	4.8	6
	min.	1.1	1.6	1.9	2.2	2.7	2.9	3.3	4.5	5.7
n	min.	0.56	0.86	1.06	1.26	1.26	1.66	1.66	2.06	2.56
	max.	0.7	1	1.2	1.51	1.51	1.91	1.91	2.31	2.81
t	min.	0.5	0.7	0.8	1	1.2	1.3	1.4	1.9	2.4

SLOTTED COUNTERSUNK (FLAT) HEAD TAPPING SCREWS

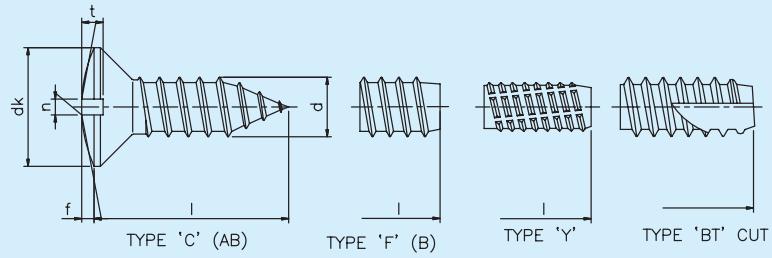
DIN 7972 / IS 7170 / ISO 1482



Screw size (d)		2,2	2,9	3,5	(3,9)	4,2	4,8	(5,5)	6,3
dk		4,3	5,5	6,8	7,5	8,1	9,5	10,8	12,4
n		0,6	0,8	1	1	1,2	1,2	1,6	1,6
t	min.	0,4	0,5	0,6	0,7	0,75	0,85	1	1,2
	max.	0,6	0,75	0,95	1,05	1,15	1,35	1,5	1,75

SLOTTED COUNTERSUNK (OVAL) HEAD TAPPING SCREWS

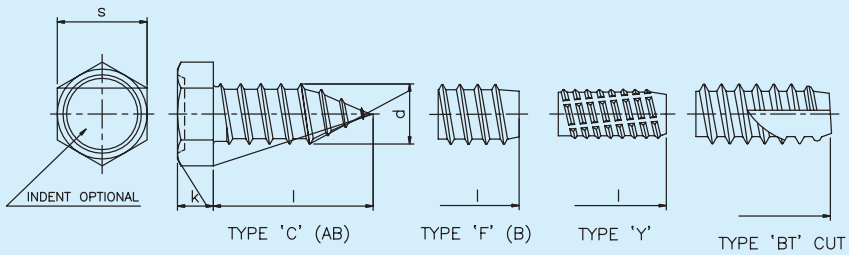
DIN 7973 / IS 7169 / ISO 1483



(d)		2.2	2.9	3.5	(3.9)	4.2	4.8	(5.5)	6.3
dk		4.3	5.5	6.8	7.5	8.1	9.5	10.8	12.4
f		0.7	0.9	1.2	1.3	1.4	1.5	1.7	2
n		0.6	0.8	1	1	1.2	1.2	1.6	1.6
t	min.	0.95	1.25	1.55	1.7	1.85	2.15	2.45	2.85
	max.	1.15	1.5	1.9	2.05	2.25	2.6	2.95	3.45

HEXAGONAL HEAD TAPPING SCREWS

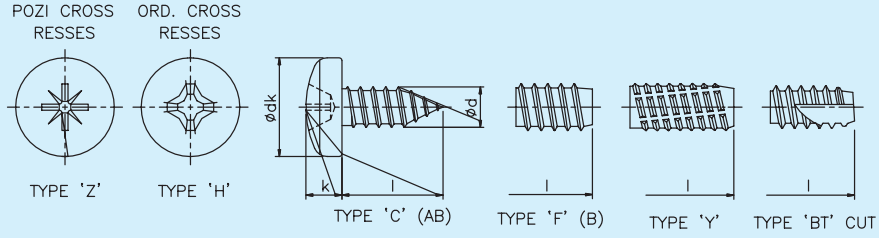
DIN 7976 / ISO 1479



Thread size (d)		ST 2.2	ST 2.9	ST 3.5	ST 4.2	ST 4.8	ST 5.5	ST 6.3	ST 8	ST 9.5
P		0.8	1.1	1.3	1.4	1.6	1.8	1.8	2.1	2.1
s	max.	3.2	5	5.5	7	8	8	10	13	16
	min.	3.02	4.82	5.32	6.78	7.78	7.78	9.78	12.73	15.73
k	max.	1.6	2.3	2.6	3	3.8	4.1	4.7	6	7.5
	min.	1.3	2	2.3	2.6	3.3	3.6	4.1	5.2	6.5

CROSS RECESSED PAN HEAD TAPPING SCREWS

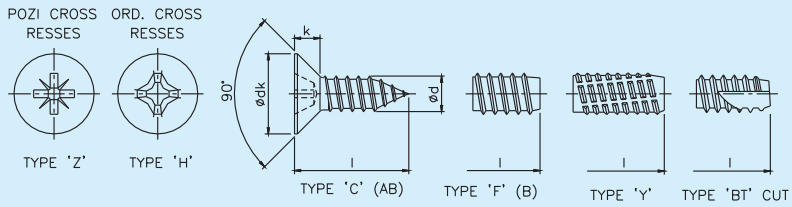
DIN 7981 / ISO 7049



Basic Size (d)		2.2	2.9	3.5	(3.9)	4.2	4.8	(5.5)	6.3
dk		4.2	5.6	6.9	7.5	8.2	9.5	10.8	12.5
k	max.	1.8	2.2	2.6	2.8	3.05	3.55	3.95	4.55
	min.	1.55	1.95	2.35	2.55	2.75	3.25	3.65	4.25

CROSS RECESSED COUNTERSUNK HEAD TAPPING SCREWS

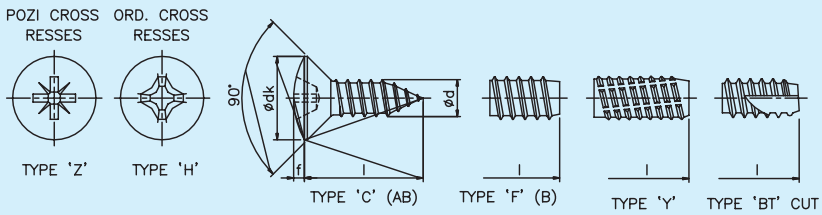
DIN 7982 / ISO 7050



Thread Size (d)	2.2	2.9	3.5	(3.9)	4.2	4.8	(5.5)	6.3
dk	4.3	5.5	6.8	7.5	8.1	9.5	10.8	12.4
K (approx.)	1.3	1.7	2.1	2.3	2.5	3	3.4	3.8

CROSS RECESSED RAISED COUNTERSUNK (OVAL) HEAD TAPPING SCREWS

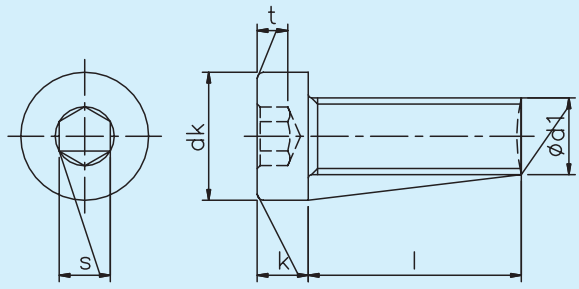
DIN 7983 / ISO 7051



(d)	2.2	2.9	3.5	(3.9)	4.2	4.8	(5.5)	6.3
dk	4.3	5.5	6.8	7.5	8.1	9.5	10.8	12.4
f .	0.7	0.9	1.2	1.3	1.4	1.5	1.7	2

HEXAGONAL SOCKET THIN HEAD CAP SCREWS

DIN 7984

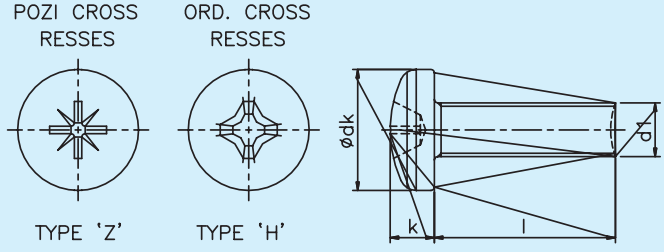


b = minimum Thread Length for half thread screws

Thread size (d1)		M3	M 4	M5	M6	M8	M10	M12	M16
P		0.5	0.7	0.8	1	1.25	1.5	1.75	2
b ()		12	14	16	18	22	26	30	38
dk	max.	5.5	7	8.5	10	13	16	18	24
	min.	5.32	6.78	8.28	9.78	12.73	15.73	17.73	23.67
k	max.	2	2.8	3.5	4	5	6	7	9
	min.	1.86	2.66	3.32	3.82	4.82	5.82	6.78	8.78
s	min.	2.02	2.52	3.02	4.02	5.02	7.025	8.025	12.032
	max.	2.10	2.60	3.10	4.12	5.14	7.175	8.175	12.212
t	min.	1.38	2.18	2.58	2.88	3.65	4.35	4.85	5.35
	max.	1.62	2.42	2.82	3.12	3.95	4.65	5.15	5.65

CROSS RECESSED PAN HEAD SCREWS

DIN 7985 / IS 7483 / ISO 7045

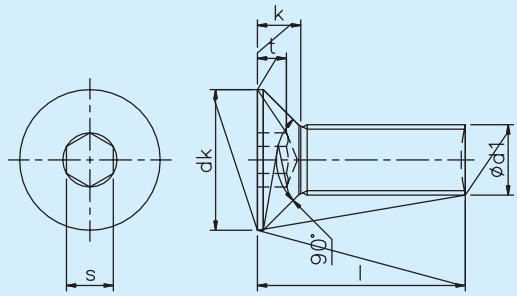


b = minimum Thread Length for half thread screws

Thread size (d)	M1.6	M2	M2.5	M3	M4	M5	M6	M8	M10
b	15	16	18	19	22	25	28	34	40
dk	3.2	4	5	6	8	10	12	16	20
k	1.3	1.6	2	2..4	3.1	3.8	4.6	6	7.5

HEXAGONAL SOCKET COUNTERSUNK HEAD CAP SCREWS

DIN 7991 / IS 6761 / ISO 10642

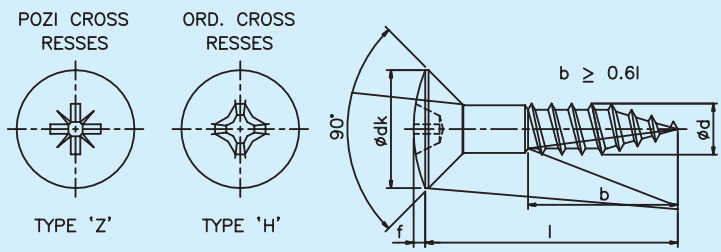


b = minimum Thread Length for half thread screws
ds = Body Shank Dia for Half Thread Screw

Thread size (d1)		M3	M 4	M5	M6	M8	M10	M12	M16
P		0.5	0.7	0.8	1	1.25	1.5	1.75	2
b		12	14	16	18	22	26	30	38
dk	max.	6	8	10	12	16	20	24	30
	min.	5.7	7.64	9.64	11.57	15.57	19.48	23.48	29.48
ds	max.	3	4	5	6	8	10	12	16
	min.	2.86	3.82	4.82	5.82	7.78	9.78	11.73	15.73
s	min.	2	2.5	3	4	5	6	8	10.02
	max.	2.10	2.60	3.10	4.12	5.14	6.14	8.175	10.18
t	min.	0.95	1.55	2.05	2.25	3.2	4.1	4.3	5.0

CROSS RECESSED RAISED CSK HEAD WOOD SCREWS

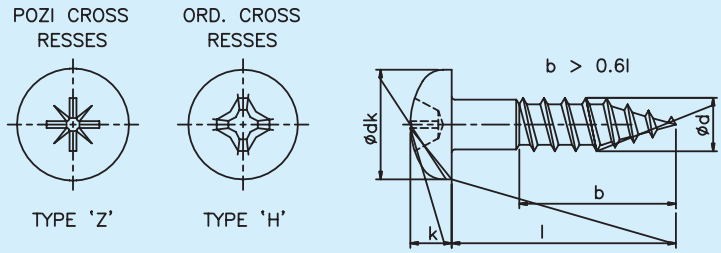
DIN 7995



Thread Size (d)	2	2.5	3	3.5	4	4.5	5	5.5	6	7	8
dk	3.8	4.7	5.6	6.5	7.5	8.3	9.2	10.2	11	12.5	14.5
f	0.5	0.6	0.75	0.9	1	1.1	1.25	1.4	1.5	1.75	2

CROSS RECESSED ROUND HEAD WOOD SCREWS

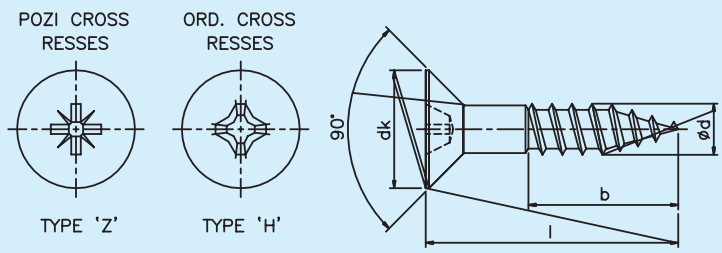
DIN 7996



Thread Size(d)	2	2.5	3	3.5	4	4.5	5	5.5	6	7	8
dk	4	5	6	7	8	9	10	11	12	14	16
k	1.4	1.7	2.1	2.4	2.8	3.1	3.5	3.8	4.2	4.9	5.6

CROSS RECESSED COUNTERSUNK (FLAT) HEAD WOOD SCREWS

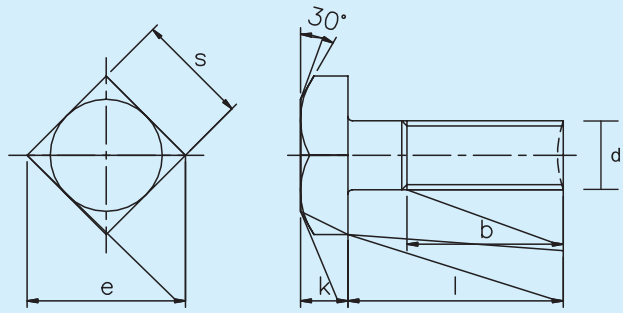
DIN 7997



Thread Size (d)	2	2.5	3	3.5	4	4.5	5	5.5	6	7	8
dk	3.8	4.7	5.6	6.5	7.5	8.3	9.2	10.2	11	12.5	14.5
m		2.7	2.9	3.9	4.4	4.6	4.8	6.2	6.6	6.8	8.7

SQUARE HEAD BOLT

IS 2585

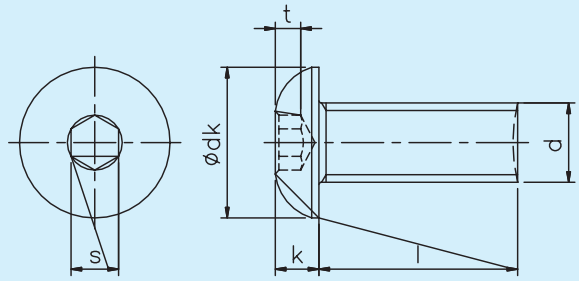


d1 = Body Shank Dia

Thread size (d)		M6	M8	M10	M12	M14	M16
d1	max.	6.48	8.90	10.90	13.10	15.10	17.10
	min.	5.70	7.64	9.64	11.57	13.57	15.57
s	max.	10.00	13.00	17.00	19.00	22.00	24.00
	min.	9.64	12.57	16.57	18.48	21.16	23.16
e	min.	12.53	16.34	21.54	24.02	27.51	30.11
k	max.	4.38	5.88	7.45	8.45	9.45	10.45
	min.	3.62	5.12	6.55	7.55	8.55	9
b	min.	18	22	26	30	34	38

HEXAGONAL SOCKET BUTTON HEAD SCREWS

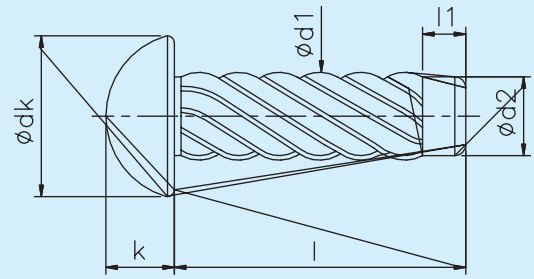
ISO 7380



Thread size (d)		M3	M 4	M5	M6	M8	M10	M12	M16
P		0.5	0.7	0.8	1	1.25	1.5	1.75	2
d_k	max.	5.7	7.60	9.50	10.50	14.00	17.50	21.00	28.00
	min.	5.4	7.24	9.14	10.07	13.57	17.07	20.48	27.48
k	max.	1.65	2.20	2.75	3.3	4.4	5.5	6.60	8.80
	min.	1.40	1.95	2.50	3.0	4.1	5.2	6.24	8.44
s	max.	2.045	2.56	3.071	4.084	5.084	6.095	8.115	10.115
	min.	2.020	2.52	3.020	4.020	5.020	6.020	8.025	10.025
t	min.	1.04	1.3	1.56	2.08	2.6	3.12	4.16	5.2

HAMMER DRIVE SCREWS

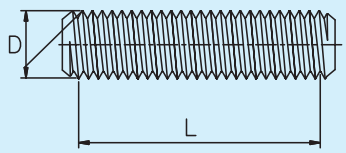
IS 7519



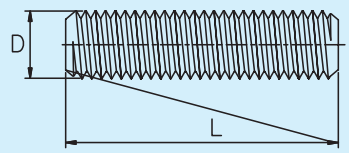
Screw No.	d1 max.	d1 min.	dk max.	dk min.	k max.	k min.	d2 max.	d2 min.
00	1.52	1.45	2.51	2.29	0.86	0.66	1.25	1.17
0	1.90	1.83	3.23	3.00	1.24	1.04	1.60	1.52
2	2.54	2.46	4.12	3.71	1.75	1.50	2.11	2.03
4	2.95	2.85	5.36	4.90	2.18	1.91	2.44	2.34
6	3.56	3.45	6.60	6.10	2.62	2.31	2.95	2.85
8	4.24	4.12	7.85	7.29	3.05	2.72	3.45	3.35
10	4.62	4.50	9.12	8.48	3.48	3.12	3.84	3.71
12	5.38	5.23	10.36	9.70	3.89	3.53	4.50	4.39
14	6.15	5.99	11.62	10.90	4.32	3.94	5.13	5.03

CONTINUOUS THREAD STUDS AND STUD BOLT

ANSI - B 16.5



STUDS BOLTS



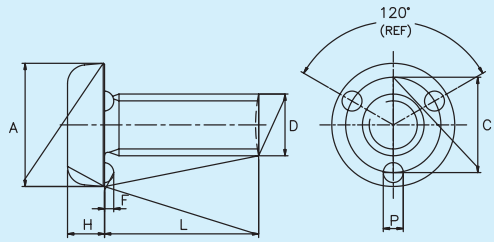
CONTINUOUS THREAD STUDS

Thread Type : UNC / UNF

Nominal Size or Diameter of Stud D	Tolerances on Stud Lengths - in	
	L Equal to 6 in. and Under	L Over 6 in.
No. 8 to 5/16 in. incl.	ʇ1/32	ʇ1/16
Over 5/16 in. to 3/4 in.	ʇ1/16	ʇ1/8
Over 3/4 in. to 1-1/4 in.	ʇ1/8	ʇ3/16
Over 1-1/4 in	ʇ1/4	ʇ1/4.

PROJECTION WELD STUD TYPE U3

ANSI - B 18.19



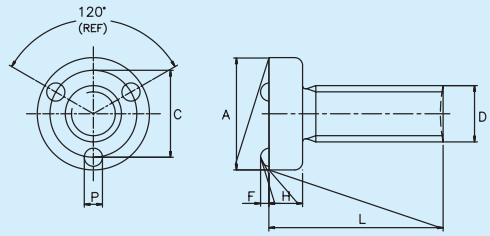
All Dimensions are in Inches

Nom.l Size or Basic stud Diameter D	A		H		P		F		C
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Dia Ref
No. 4	0.260	0.240	0.046	0.036	0.045	0.035	0.017	0.013	0.180
6	0.323	0.303	0.052	0.042	0.055	0.045	0.022	0.018	0.226
8	0,385	0.365	0.068	0.058	0.075	0.065	0.027	0.023	0.268
10	0.448	0.428	0.068	0.058	0.085	0.075	0.032	0.028	0.312
1/4"	0.575	0.550	0.083	0.073	0.105	0.095	0.042	0.038	0.406
5/16"	0.755	0.725	0.099	0.089	0.125	0.115	0.047	0.043	0.531
3/8"	0.880	0.850	0.114	0.104	0.135	0.125	0.052	0.048	0.625
1/2"	1.005	0.975	0.146	0.136	0.155	0.145	0.062	0.058	0.750

Thread Type : UNC / UNF

PROJECTION WELD STUD TYPE T3

ANSI - B 18.19



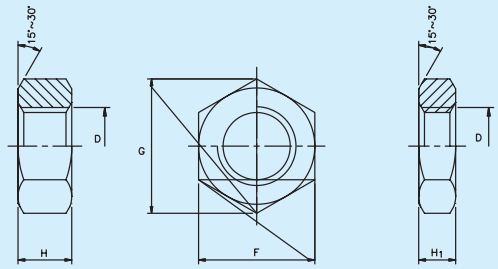
All Dimensions are in Inches

Nom.l Size or Basic stud Diameter D	A		H		P		F		C
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Dia Ref
No. 4	0.228	0.208	0.036	0.026	0.045	0.035	0.017	0.013	0.128
6	0.260	0.240	0.046	0.036	0.055	0.045	0.022	0.018	0.156
8	0.323	0.303	0.052	0.042	0.075	0.065	0.027	0.023	0.203
10	0.385	0.365	0.068	0.058	0.085	0.075	0.032	0.028	0.250
1/4"	0.510	0.485	0.083	0.073	0.105	0.095	0.042	0.038	0.312
5/16"	0.630	0.605	0.099	0.089	0.125	0.115	0.047	0.043	0.390
3/8"	0.775	0.725	0.114	0.104	0.135	0.125	0.052	0.048	0.485
1/2"	1.005	0.975	0.146	0.136	0.155	0.145	0.062	0.058	0.660

Thread Type : UNC / UNF

HEX NUTS AND HEX JAM NUTS

ANSI - B 18.19



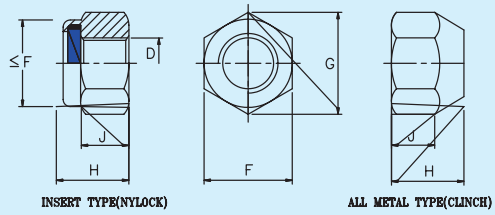
All Dimensions are in Inches

Nom.l Size or Basic stud Diameter D	F		G	H		H1	
	Max.	Min.	Min.	Max.	Min.	Max.	MIn.
1/4"	0.438	0.428	0.488	0.226	0.212	0.164	0.150
5/16"	0.500	0.489	0.557	0.273	0.258	0.195	0.180
3/8"	0.562	0.551	0.628	0.337	0.320	0.227	0.210
7/16"	0.688	0.675	0.768	0.385	0.365	0.260	0.240
1/2"	0.750	0.736	0.840	0.448	0.427	0.323	0.302
9/16"	0.875	0.861	0.982	0.496	0.473	0.324	0.301
5/8'	0.938	0.922	1.051	0.559	0.535	0.387	0.363
3/4"	1.125	1.088	1.240	0.665	0.617	0.446	0.398

Thread Type : UNC / UNF

PREVAILING - TORQUE TYPE HEX LOCK NUT INSERT TYPE & ALL METAL

IFI - 100



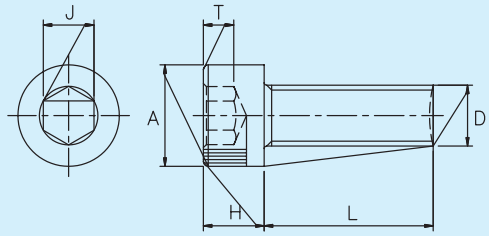
All Dimensions are in Inches

Nom.l Size or Basic stud Diameter D	F		G	Insert Type Locknut H	All Metal Type Locknut H	J
	Max.	Min.	Min.	Max.	Max.	Min.
1/4"	0.4385	0.428	0.488	0.328	0.288	0.145
5/16"	0.5020	0.489	0.557	0.359	0.336	0.166
3/8"	0.5645	0.551	0.628	0.469	0.415	0.198
7/16"	0.6895	0.675	0.768	0.524	0.463	0.223
1/2"	0.7520	0.736	0.840	0.609	0.573	0.262
9/16"	0.8770	0861	0.982	0.656	0.621	0.286
5/8"	0.9395	0.922	1.051	0.765	0.731	0.329
3/4"	1.1270	1.088	1.240	0.890	0.827	0.382

Thread Type : UNC / UNF

HEXAGONAL SOCKET HEAD CAP SCREWS

ANSI - B 18.3



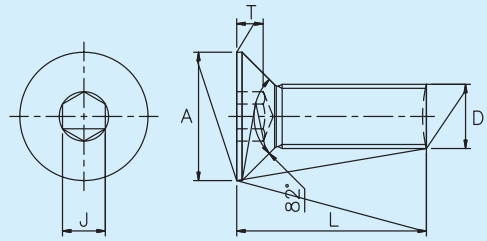
All Dimensions are in Inches

Nom.l Size or Basic stud Diameter	A		H		J	T
D	Max.	Min.	Max.	Min.	Nom.	Min.
No. 4	0.183	0.176	0.112	0.108	3/32" 0.094	0.051
5	0.205	0.198	0.125	0.121	3/32" 0.094	0.057
6	0.226	0.218	0.138	0.134	7/64" 0.109	0.064
8	0.270	0.262	0.164	0.159	9/64" 0.141	0.077
10	0.312	0.303	0.190	0.185	5/32" 0.156	0.090
1/4"	0.375	0.365	0.250	0.244	3/16" 0.188	0.120
5/16"	0.469	0.457	0.312	0.306	1/4" 0.250	0.151
3/8"	0.562	0.550	0.375	0.368	5/16" 0.312	0.182
7/16"	0.656	0.642	0.438	0.430	3/8" 0.375	0.213
1/2"	0.750	0.735	0.500	0.492	3/8" 0.375	0.245
5/8"	0.938	0.921	0.625	0.616	1/2" 0.500	0.307
3/4"	1.125	1.107	0.750	0.740	5/8" 0.625	0.370

Thread Type : UNC / UNF

HEXAGONAL SOCKET COUNTERSUNK HEAD CAP SCREWS

ANSI - B 18.3



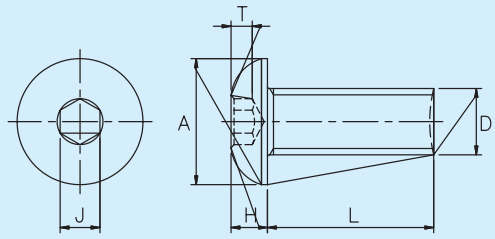
All Dimensions are in Inches

Nom.l Size or Basic stud Diameter	A		J	T
D	Max.	Min.	Nom.	Min.
No. 4	0.255	0.218	1/16" 0.062	0.055
5	0.281	0.240	5/64" 0.078	0.061
6	0.307	0.263	5/64" 0.078	0.066
8	0.359	0.311	3/32" 0.094	0.076
10	0.411	0.359	1/8" 0.125	0.087
1/4"	0.531	0.480	5/32" 0.156	0.111
5/16"	0.656	0.600	3/16" 0.188	0.135
3/8"	0.781	0.720	7/32" 0.219	0.15
7/16"	0.844	0.781	1/4" 0.250	0.159
1/2"	0.938	0.872	5/16" 0.312	0.172
5/8"	1.188	1.112	3/8" 0.375	0.220

Thread Type : UNC / UNF

HEXAGONAL SOCKET BUTTON HEAD SCREWS

ANSI - B 18.3



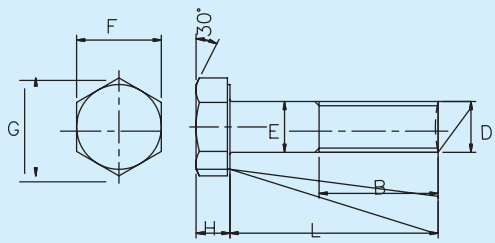
All Dimensions are in Inches

Nom.l Size or Basic stud Diameter	A		H		J	T
D	Max.	Min.	Max.	Min.	Nom.	Min.
No. 4	0.213	0.201	0.059	0.051	1/16" 0.062	0.035
5	0.238	0.226	0.066	0.058	5/64" 0.078	0.044
6	0.262	0.250	0.073	0.063	5/64" 0.078	0.044
8	0.312	0.298	0.087	0.077	3/32" 0.094	0.052
10	0.361	0.347	0.101	0.091	1/8" 0.125	0.070
1/4"	0.437	0.419	0.132	0.122	5/32" 0.156	0.087
5/16"	0.547	0.527	0.166	0.152	3/16" 0.188	0.105
3/8"	0.656	0.636	0.199	0.185	7/32" 0.219	0.122
1/2"	0.875	0.851	0.265	0.245	5/16" 0.312	0.175
5/8"	1.000	0.970	0.331	0.311	3/8" 0.375	0.210

Thread Type : UNC / UNF

HEXAGONAL CAP SCREWS

ANSI - B 18.2.1



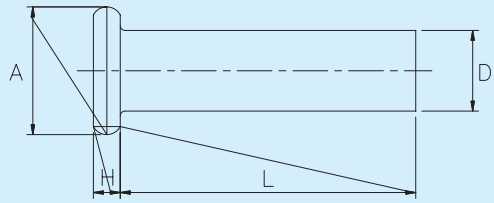
All Dimensions are in Inches

Nom.l Size or Basic stud Diameter	E		F		G	H		B
D	Max.	Min.	Max.	Min.	Max.	Max.	Min.	Min.
1/4"	0.2500	0.2450	0.438	0.428	0.505	0.163	0.150	0.750
5/16"	0.3125	0.3065	0.500	0.489	0.577	0.211	0.195	0.875
3/8"	0.3750	0.3690	0.562	0.551	0.650	0.243	0.226	1.000
7/16"	0.4375	0.4305	0.625	0.612	0.722	0.291	0.272	1.125
1/2"	0.5000	0.4930	0.750	0.736	0.866	0.323	0.302	1.250
9/16"	0.5625	0.5545	0.812	0.798	0.938	0.371	0.348	1.375
5/8"	0.6250	0.6170	0.938	0.922	1.083	0.403	0.378	1.500
3/4"	0.7500	0.7410	1.125	1.100	1.299	0.483	0.455	1.750

Thread Type : UNC / UNF

FLAT HEAD RIVETS

ANSI - B18.1

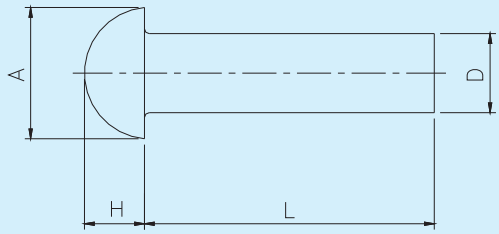


All Dimensions are in Inches

Nom. Size or Basic Shank Diameter	D		A		H	
	Max.	Min.	Max.	Min.	Max.	Min.
1/16"	0.064	0.059	0.140	0.120	0.027	0.017
3/32"	0.096	0.090	0.200	0.180	0.038	0.026
1/8"	0.127	0.121	0.260	0.240	0.048	0.036
5/32"	0.158	0.152	0.323	0.301	0.059	0.045
3/16"	0.191	0.182	0.387	0.361	0.069	0.055
7/32"	0.222	0.213	0.453	0.427	0.080	0.065
1/4"	0.253	0.244	0.515	0.485	0.091	0.075
9/32"	0.285	0.273	0.579	0.545	0.103	0.085
5/16"	0.316	0.304	0.641	0.607	0.113	0.095
3/8"	0.380	0.365	0.769	0.731	0.135	0.115
13/32"	0.411	0.396	0.834	0.790	0.146	0.124
7/16"	0.443	0.428	0.896	0.852	0.157	0.135

ROUND HEAD RIVETS

ANSI - B 18.1

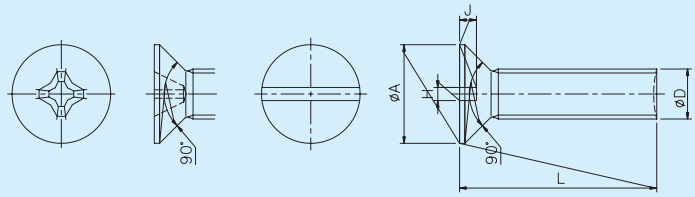


All Dimensions are in Inches

Nom. Size or Basic Shank Diameter	D		A		H	
	Max.	Min.	Max.	Min.	Max.	Min.
1/16"	0.064	0.059	0.122	0.102	0.052	0.042
3/32"	0.096	0.090	0.182	0.162	0.077	0.065
1/8"	0.127	0.121	0.235	0.215	0.100	0.088
5/32"	0.158	0.152	0.290	0.268	0.124	0.110
3/16"	0.191	0.182	0.348	0.322	0.147	0.133
7/32"	0.222	0.213	0.405	0.379	0.172	0.158
1/4"	0.253	0.244	0.460	0.430	0.196	0.180
9/32"	0.285	0.273	0.518	0.484	0.220	0.202
5/16"	0.316	0.304	0.572	0.538	0.243	0.225
11/32"	0.348	0.336	0.630	0.592	0.267	0.247
3/8"	0.380	0.365	0.684	0.646	0.291	0.271
13/32"	0.411	0.396	0.743	0.699	0.316	0.294
7/16"	0.443	0.428	0.798	0.754	0.339	0.317

SLOTTED AND CROSS RECESSED (90°) COUNTERSUNK HEAD SCREWS

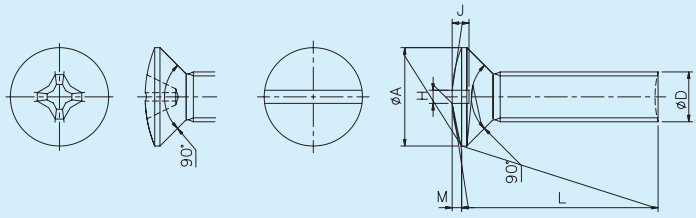
B.S. 450



Nom. Size of Screw	D	No. of Threads per inch		A		Slot			Recess & Driver Point No.
						H		J	
in.	in.	B.S.W.	B.S.F.	Max. in.	Min. in.	Max. in.	Min. in.	nom. in.	
1/8	0.125 0	40	-	0.219	0.201	0.039	0.032	0.027	1
3/16	0.187 5	24	32	0.328	0.307	0.050	0.042	0.041	2
7/32	0.218 8	-	28	0.383	0.360	0.055	0.046	0.048	2
1/4	0.250 0	20	26	0.438	0.412	0.061	0.051	0.055	3
5/16	0.312 5	18	22	0.547	0.518	0.071	0.061	0.069	4
3/8	0.375 0	16	20	0.656	0.624	0.082	0.072	0.083	4
7/16	0.437 5	14	18	0.766	0.729	0.093	0.082	0.097	4
1/2	0.500 0	12	16	0.875	0.835	0.104	0.092	0.111	4

SLOTTED AND CROSS RECESSED RAISED (90°) COUNTERSUNK HEAD SCREWS

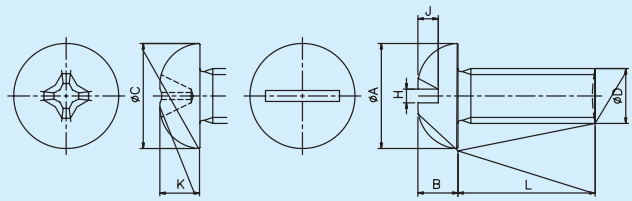
B.S. 450



Nom. Size of Screw	D	No. of Threads per inch		A		M	Slot			Recess & Driver Point No.
							H		J	
in.	in.	B.S.W.	B.S.F.	Max. in.	Min. in.	Nom.	Max. in.	Min. in.	nom. in.	
1/8	0.125 0	40	-	0.219	0.201	0.026	0.039	0.032	0.047	1
3/16	0.187 5	24	32	0.328	0.307	0.040	0.050	0.042	0.071	2
1/4	0.250 0	20	26	0.438	0.412	0.051	0.061	0.051	0.095	3
5/16	0.312 5	18	22	0.547	0.518	0.068	0.071	0.061	0.120	4
3/8	0.375 0	16	20	0.656	0.624	0.080	0.082	0.072	0.144	4

SLOTTED AND CROSS RECESSED ROUND HEAD SCREWS

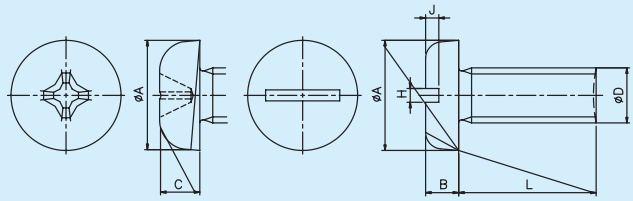
B.S. 450



Nom. Size of Screw	D	No. of Threads per inch		Slot							Recess				Recess & Driver Point No.
				A		B		H		J	C		K		
in.	in.	B.S.W.	B.S.F.	Max. in.	Min. in.	Max. in.	Min. in.	Max in.	Min. in.	Nom. in.	Max. in.	Min. in.	Max. in.	Min. in.	
1/8	0.125 0	40	-	0.219	0.206	0.087	0.082	0.039	0.032	0.048	0.236	0.217	0.095	0.083	1
3/16	0.187 5	24	32	0.328	0.312	0.131	0.124	0.050	0.042	0.072	0.359	0.334	0.137	0.123	2
7/32	0.218 8	-	28	0.383	0.365	0.153	0.145	0.055	0.046	0.084	0.408	0.382	0.153	0.139	2
1/4	0.250 0	20	26	0.438	0.417	0.175	0.165	0.061	0.051	0.096	0.472	0.443	0.175	0.160	3
5/16	0.312 5	18	22	0.547	0.524	0.219	0.207	0.071	0.061	0.120	0.590	0.557	0.216	0.198	3
3/8	0.375 0	16	20	0.656	0.629	0.262	0.249	0.082	0.072	0.144	0.708	0.670	0.256	0.237	4
7/16	0.437 5	14	18	0.766	0.735	0.306	0.291	0.093	0.082	0.168					
1/2	0.500 0	12	16	0.875	0.840	0.350	0.333	0.104	0.092	0.192					

SLOTTED AND CROSS RECESSED PAN HEAD SCREWS

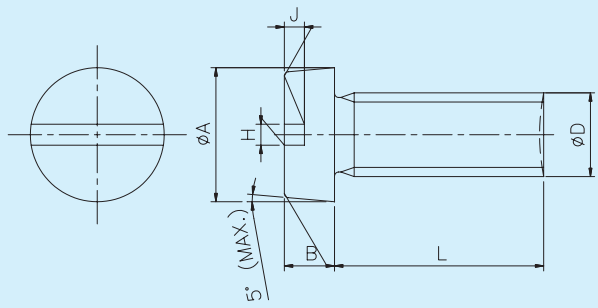
B.S. 450



Nom. Size of Screw	D	No. of Threads per inch		A		Slot					Recess		Recess & Driver Point No.
						B		H		J	C		
in.	in.	B.S.W.	B.S.F.	Max. in.	Min. in.	Max. in.	Min. in.	Max in.	Min. in.	Nom. in.	Max. in.	Min. in.	
1/8	0.125 0	40	-	0.245	0.231	0.075	0.065	0.039	0.032	0.040	0.089	0.079	2
3/16	0.187 5	24	32	0.373	0.357	0.110	0.099	0.050	0.042	0.061	0.133	0.122	2
1/4	0.250 0	20	26	0.492	0.473	0.144	0.130	0.061	0.051	0.078	0.175	0.162	3
5/16	0.312 5	18	22	0.615	0.594	0.178	0.162	0.071	0.061	0.095	0.218	0.203	4
3/8	0.375 0	16	20	0.740	0.716	0.212	0.195	0.082	0.072	0.112	0.261	0.244	4
7/16	0.437 5	14	18	0.863	0.838	0.247	0.227	0.093	0.082	0.129	0.304	0.286	4
1/2	0.500 0	12	16	0.987	0.958	0.281	0.260	0.104	0.092	0.145	0.348	0.327	4

SLOTTED CHEESE HEAD SCREWS

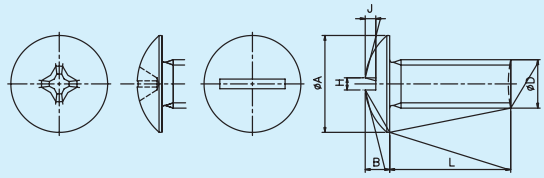
B.S. 450



Nom. Size of Screw	D	No. of Threads per inch		A		B		Slot		
								H		J
in.	in.	B.S.W.	B.S.F.	Max. in.	Min. in.	Max. in.	Min. in.	Max in.	Min. in.	Nom. in.
1/8	0.125 0	40	-	0.188	0.180	0.087	0.082	0.039	0.032	0.039
3/16	0.187 5	24	32	0.281	0.270	0.131	0.124	0.050	0.042	0.059
1/4	0.250 0	20	26	0.375	0.360	0.175	0.165	0.061	0.051	0.079
5/16	0.312 5	18	22	0.469	0.450	0.219	0.207	0.071	0.061	0.098
3/8	0.375 0	16	20	0.562	0.540	0.262	0.249	0.082	0.072	0.118
1/2	0.500 0	12	16	0.750	0.720	0.350	0.333	0.104	0.092	0.157

SLOTTED AND CROSS RECESSED MUSHROOM HEAD SCREWS

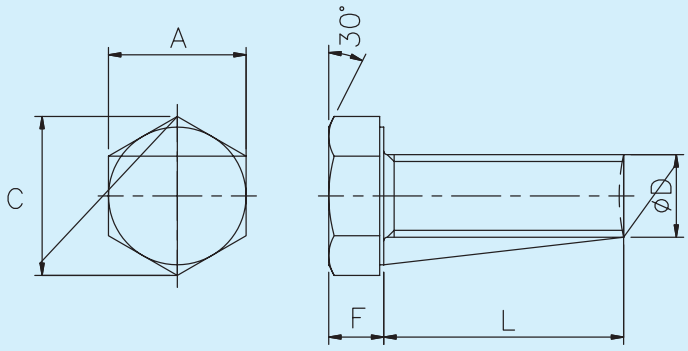
B.S. 450



Nom. Size of Screw	D	No. of Threads per inch		A		B		Slot			Recess & Driver Point No.
								H		J	
in.	in.	B.S.W.	B.S.F.	Max. in.	Min. in.	Max. in.	Min. in.	Max in.	Min. in.	Nom. in.	
1/8	0.125 0	40	-	0.289	0.272	0.078	0.066	0.043	0.035	0.040	1
3/16	0.187 5	24	32	0.448	0.425	0.118	0.103	0.060	0.050	0.061	2
1/4	0.250 0	20	26	0.573	0.546	0.150	0.133	0.075	0.064	0.079	3
5/16	0.312 5	18	22	0.698	0.666	0.183	0.162	0.084	0.072	0.096	4
3/8	0.375 0	16	20	0.823	0.787	0.215	0.191	0.094	0.081	0.112	4

HEX HEAD SCREWS
SIZE : 1/8" TO 7/32"

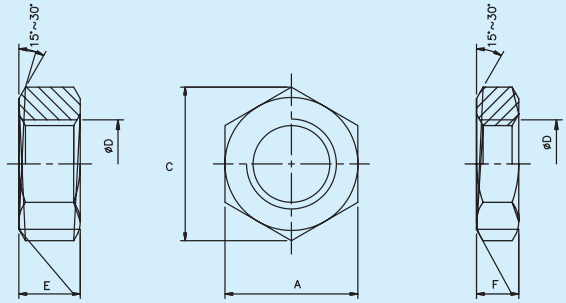
B.S. 450



Nom. Size of Screw	D	No. of Threads per inch		A		C	F
in.	in.	B.S.W.	B.S.F.	Max. in.	Min. in.	Max. in.	Nom. in.
1/8	0.125 0	40	-	0.220	0.216	0.254	0.076
5/32	0.156 2	32	-	0.248	0.243	0.286	0.094
3/16	0.187 5	24	32	0.324	0.319	0.374	0.112
7/32	0.218 8	-	28	0.413	0.408	0.477	0.130

HEX NUTS
SIZE :1 / 16" TO 7 / 32"

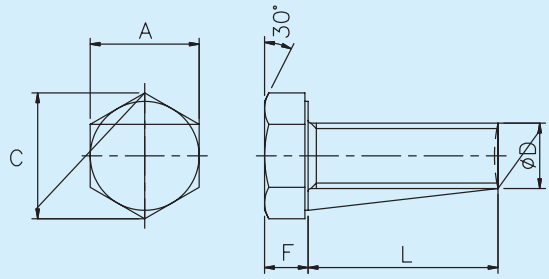
B.S. 450



Nom. Size of Screw	D	No. of Threads per inch		A		C	Ordinary Nut E	Lock Nut F
in.	in.	B.S.W.	B.S.F.	Max. in.	Min. in.	Max. in.	Nom. in.	Nom. in.
1/16	0.0625	60	-	0.117	0.114	0.135	0.061	-
3/32	0.0938	48	-	0.152	0.149	0.176	0.079	0.055
1/8	0.1250	40	-	0.220	0.216	0.254	0.115	0.079
5/32	0.1562	32	-	0.248	0.243	0.286	0.130	0.089
3/16	0.1875	24	32	0.324	0.319	0.374	0.162	0.118
7/32	0.2188	-	28	0.413	0.408	0.477	0.195	0.128

HEX HEAD BOLT

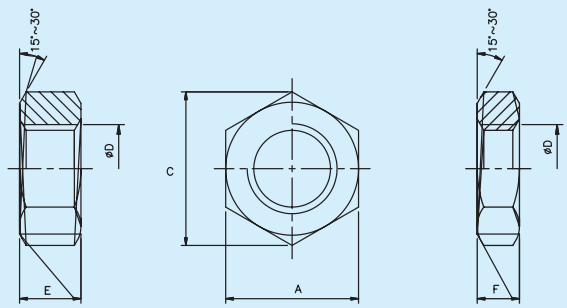
B.S. 1083



Nom. Size of Screw D	No. of Threads per inch		A		C	F	
in.	B.S.W.	B.S.F.	Max. in.	Min. in.	Max. in.	Max. in.	Min. in.
1/4	20	26	0.445	0.438	0.51	0.176	0.166
5/16	18	22	0.525	0.518	0.61	0.218	0.208
3/8	16	20	0.600	0.592	0.69	0.260	0.250
7/16	14	18	0.710	0.702	0.82	0.302	0.292
1/2	12	16	0.820	0.812	0.95	0.343	0.333
9/16	12	16	0.920	0.912	1.06	0.375	0.365
5/8	11	14	1.010	1.000	1.17	0.417	0.407
3/4	10	12	1.200	1.190	1.39	0.500	0.480

HEX HEAD NUTS

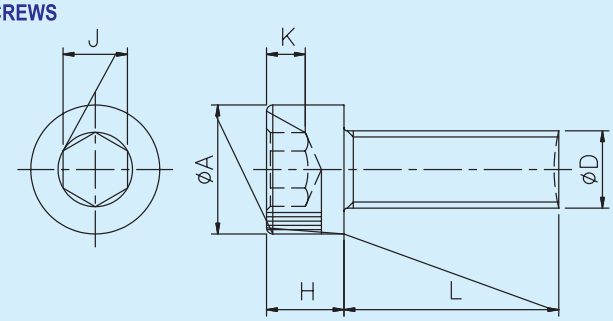
B.S. 1083



Nom. Size D	A		C	Ordinary Nuts E		Lock Nuts F	
in.	Max.	Min.	Max. in.	max. in.	Min in.	Max. in.	Min in.
1/4	0.445	0.438	0.51	0.200	0.190	0.185	0.180
5/16	0.525	0.518	0.61	0.250	0.240	0.210	0.200
3/8	0.600	0.592	0.69	0.312	0.302	0.260	0.250
7/16	0.710	0.702	0.82	0.375	0.365	0.275	0.265
1/2	0.820	0.812	0.95	0.437	0.427	0.300	0.290
9/16	0.920	0.912	1.05	0.500	0.490	0.333	0.323
5/8	1.010	1.000	1.17	0.562	0.552	0.375	0.365
3/4	1.200	1.190	1.39	0.687	0.677	0.458	0.448

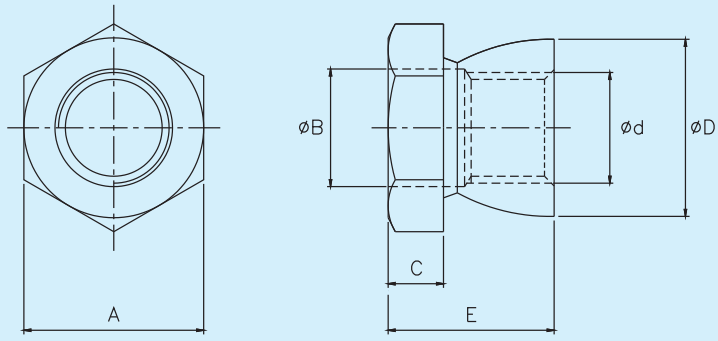
HEXAGONAL SOC. HEAD CAP SCREWS

B.S. 2470



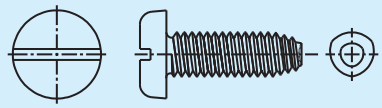
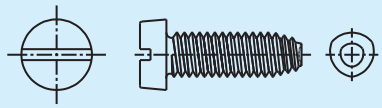
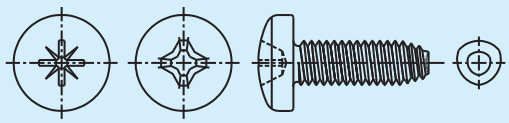
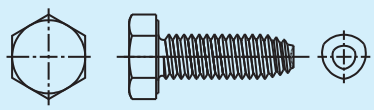
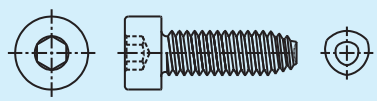
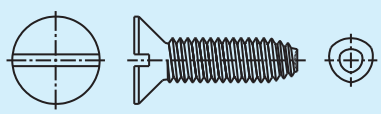
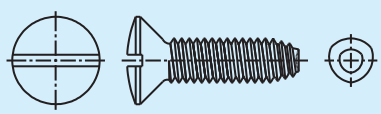
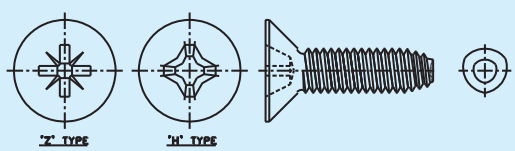
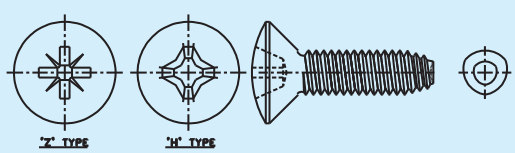
Nom. Size D	A		H		J	K
in.	Max.	Min.	Max. in.	Min. in.	Nom in.	Min. in.
3/16	0.312	0.303	0.187	0.182	5/32	0.089
1/4	0.375	0.365	0.250	0.244	3/16	0.120
5/16	0.437	0.425	0.312	0.306	7/32	0.151
3/8	0.562	0.550	0.375	0.368	5/16	0.182
7/16	0.625	0.611	0.437	0.430	5/16	0.213
1/2	0.750	0.735	0.500	0.492	3/8	0.245
5/8	0.875	0.858	0.625	0.616	1/2	0.307
3/4	1.000	0.982	0.750	0.740	9/16	0.370

DIMENSIONS FOR SECURITY NUTS

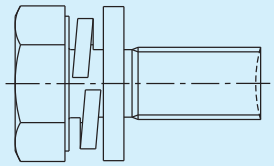
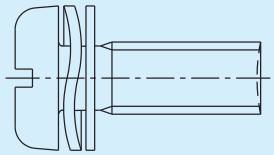
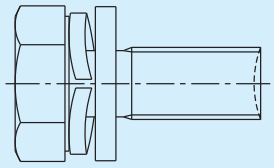
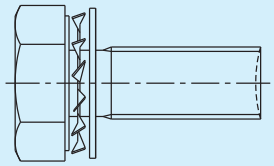
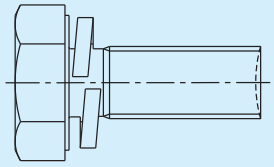
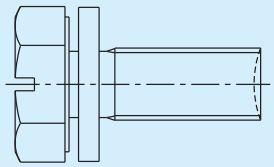
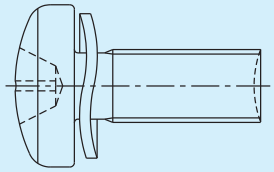
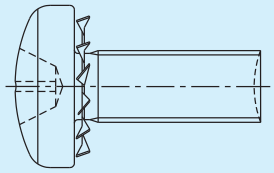


PARAMETER	SIZE (ød)					
	M6–1.00P	M8–1.25P	M10–1.50P		M12–1.75P	M16–2.0P
A	10.00	13.00	17.00	19.00	19.00	24.00
øB	ø6.50	ø8.50	ø11.00	ø11.00	ø13.00	ø13.00
C	3.00	4.00	5.00	5.00	6.00	7.00
øD	ø9.80	ø12.80	ø16.80	ø18.80	ø18.80	ø23.80
E	8.00	12.00	14.00	15.00	16.00	20.50
	BREAKING TORQUE IN N–M**					
	7 ~ 14	15 ~ 26	30 ~ 45	30 ~ 45	35 ~ 60	60 ~ 90

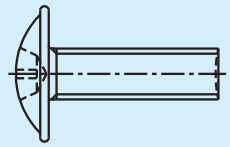
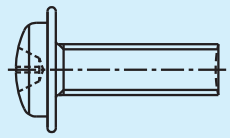
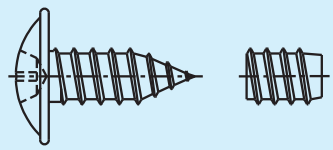
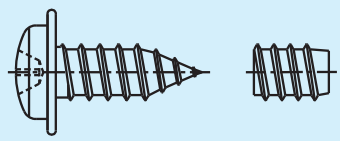
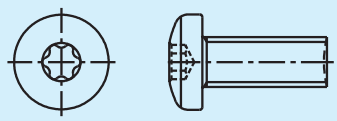
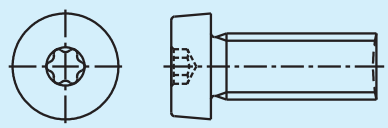
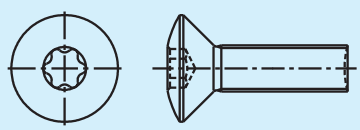
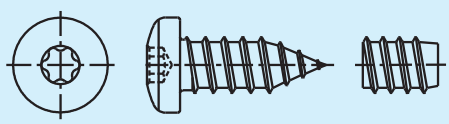
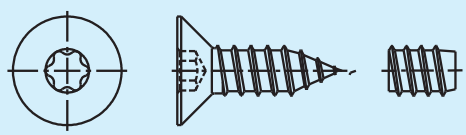
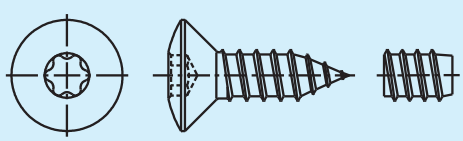
** Mentioned Torque Values are for Manufacturing Purpose only
Customised Torque Values Can also be maintained.

THREAD ROLLED (TRILOBULAR) SCREWS.			DIN–7500
TYPE	ILLUSTRATION	DIMENSIONS STANDARD	SIZE RANGE
AE		DIN EN ISO 1207	M3 TO M8
BE		DIN EN ISO 1580	M2 TO M8
CE		DIN EN ISO 7045	M2 TO M8
DE		DIN EN ISO 24017	M2 TO M10
E		DIN 912	M2 TO M8
KE		DIN EN ISO 2009	M3 TO M8
LE		DIN EN ISO 2010	M3 TO M8
ME		DIN EN ISO 7046	M2 TO M8
NE		DIN EN ISO 27047	M2 TO M8

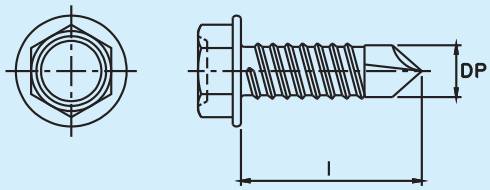
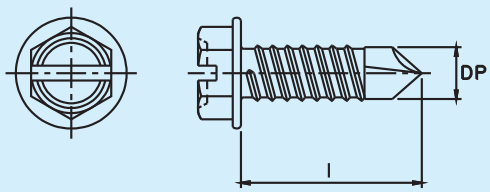
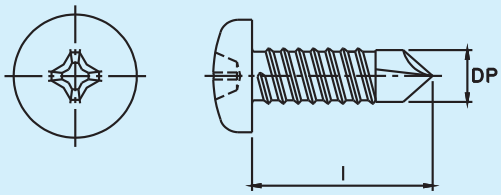
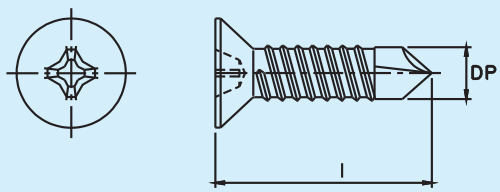
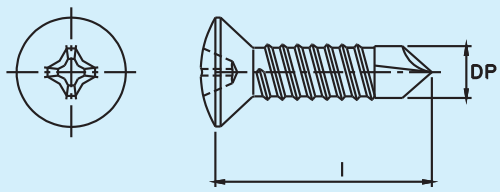
SCREW AND WASHER ASSEMBLY (INTEGRAL SCREW)

Sr. No.	Figure	DESCRIPTION
1)		HEXAGONAL HEAD SCREW WITH INSERTED CAPTIVE SPRING & PLAIN WASHER
2)		SLOTTED PAN HEAD SCREW WITH INSERTED CAPTIVE WAVY & PLAIN WASHER
3)		HEXAGONAL HEAD SCREW WITH INSERTED CAPTIVE WAVY & PLAIN WASHER
4)		HEXAGONAL HEAD SCREW WITH INSERTED CAPTIVE SERRATED LOCK & PLAIN WASHER
5)		HEXAGONAL SCREW WITH INSERTED CAPTIVE SPRING WASHER
6)		SLOTTED HEXAGONAL SCREW WITH INSERTED CAPTIVE PLAIN WASHER
7)		CROSS RECESSED PAN HEAD SCREW WITH INSERTED WAVY WASHER
8)		CROSS RECESSED PAN HEAD SCREW WITH INSERTED SERRATED LOCK WASHER

CROSS RECESSED COLLAR HEAD & TORX HEAD SCREWS

Sr. No.	Figure	Description
1)		CROSS RECESSED TRUSS COLLAR HEAD SCREWS
2)		CROSS RECESSED PAN COLLAR HEAD SCREWS
3)		CROSS RECESSED TRUSS COLLAR HEAD TAPPING SCREWS
4)		CROSS RECESSED PAN COLLAR HEAD TAPPING SCREWS
5)		TORX SOCKET PAN HEAD SCREWS
6)		TORX SOCKET CHEESE HEAD SCREWS
6)		TORX SOCKET RAISED (OVAL) COUNTERSUNK HEAD SCREWS
7)		TORX SOCKET PAN HEAD TAPPING SCREWS
8)		TORX SOCKET COUNTERSUNK HEAD TAPPING SCREWS
6)		TORX SOCKET RAISED (OVAL) COUNTERSUNK HEAD TAPPING SCREWS

SELF DRILLING TAPPING SCREWS (Dimensions & Designations system) DIN 7504

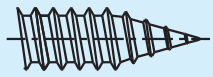
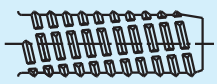
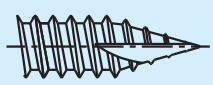
TYPE	ILLUSTRATION	OTHER DIMENSIONS AS IN	EXAMPLE OF DESIGNATION
K		DIN 6928	SCREW DIN 7504–ST4.2 x 13–K (l=13)
L		DIN 6928 slot dimensions as in DIN 962	SCREW DIN 7504–ST4.2 x 13–L
M		ISO 7049	SCREW DIN 7504– ST4.2 x 13–M–H
O		ISO 7050	SCREW DIN 7504– ST4.2 x 13–O–H
R		ISO 7051	SCREW DIN 7504– ST4.2 x 13–R–H

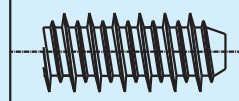
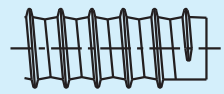
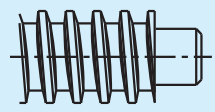
THREAD SIZE		ST2.9	ST3.5	ST3.9	ST4.2	ST4.8	ST5.5	ST6.3
DRILL DEPTH (SHEET/PLATE THICKNESS)	FROM	0.7	0.7	0.7	1.5	1.5	1.75	2.0
	TO	1.9	2.25	2.4	2.5	3.5	4.5	5.2
DP (MAXIMUM)		2.3	2.8	3.2	3.6	4.2	4.8	5.8

NOTE: 1) STAINLESS STEEL SCREWS TO BE USED ON ALUMINIUM –SHEET/PLATE

1) CASE HARDENING STEEL SCREWS TO BE USED ON STEEL –SHEET/PLATE

SELF TAPPING THREADS

SR.NO.	ILLUSTRATION	TYPE OF THREAD
1		'AB' TYPE ('C' TYPE)
2		'B' TYPE ('F' TYPE)
3		'BT' CUT TYPE
4		'Y' TYPE
5		POINTED CUT THREAD

SR.NO.	ILLUSTRATION	TYPE OF THREAD
6		DEEP AND THIN THREAD
7		Hi–Lo THREAD
8		PLASTITE THREAD
9		ACME THREAD FOR HOSE CLIP CLAMP

PRODUCT IDENTIFICATION MARKS

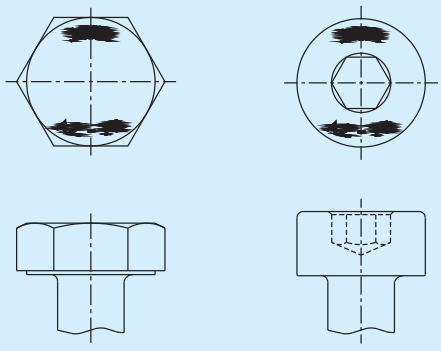


FIGURE 1 – MARKING OF BOLTS AND SCREWS – Examples

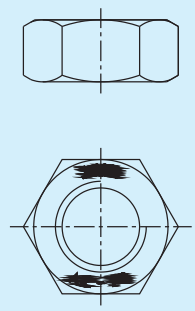


FIGURE 2 – MARKING OF NUTS – Examples

MECHANICAL PROPERTIES, GRADE & CHEMICAL COMPOSITION OF S.S. FASTENERS

REF. NO.	GRADE OF FASTENERS	GRADE OF MATERIAL	CHEMICAL COMPOSITION							
			C % (max.)	Mn % (max.)	S % (max.)	P % (max.)	Ni %	Cr %	Si % (max.)	Mo %
ISO 3506	A2	AISI 304	0.08	2.00	0.03	0.05	8.0/13.0	17.0/20.0	1.00	-
	A4	AISI 316	0.08	2.00	0.03	0.05	10.0/14.0	16.0/18.5	1.00	2.0/3.0
ASTM SA-193 FOR BOLT	B8 CL-1	AISI 304	0.08	2.00	0.03	0.045	8.0/11.0	18.0/20.0	1.00	-
	B8 CL-2									
	B8M CL-1	AISI 316	0.08	2.00	0.03	0.045	10.0/14.0	16.0/18.0	1.00	2.0/3.0
	B8M CL-2						-			
	B6	AISI 410	0.15	1.00	0.03	0.04	-	11.5/13.5	1.00	-
	B6X									
ASTM SA-194 FOR NUT	8	AISI 304	0.08	2.00	0.03	0.045	8.0/11.0	18.0/20.0	1.00	-
	8M	AISI 316	0.08	2.00	0.03	0.045	10.0/14.0	16.0/18.0	1.00	2.0/3.0
	6	AISI 410	0.15	1.00	0.03	0.04	-	11.5/13.5	1.00	-
ASTM F-593 FOR BOLT	ALLOY GROUP 1 CW / 304	AISI 304	0.08	2.00	0.03	0.045	8.0/10.5	18.0/20.0	1.00	-
	ALLOY GROUP 2 CW1 / 316	AISI 316	0.08	2.00	0.03	0.045	10.0/14.0	16.0/18.0	1.00	2.0/3.0
	ALLOY GROUP 3 CW1 / 321	AISI 321	0.08	2.00	0.03	0.045	9.0/12.0	17.0/19.0	1.00	-
	ALLOY GROUP 4 CW1 / 430	AISI 430	0.12	1.00	0.03	0.04	-	16.0/18.0	1.00	-
	ALLOY GROUP 5 H / 410	AISI 410	0.15	1.00	0.03	0.04	-	11.5/13.5	1.00	-
	ALLOY GROUP 6 H / 431	AISI 431	0.20	1.00	0.03	0.04	1.25/2.5	15.0/17.0	1.00	-
ASTM F-594 FOR NUTS	ALLOY GROUP 1CW / 304	AISI 304	0.08	2.00	0.03	0.045	8.0/10.5	18.0/20.0	1.00	-
	ALLOY GROUP 2 CW1 / 316	AISI 316	0.08	2.00	0.03	0.045	10.0/14.0	16.0/18.0	1.00	2.0/3.0
	ALLOY GROUP 3 CW1 / 321	AISI 321	0.08	2.00	0.03	0.045	9.0/12.0	17.0/19.0	1.00	-
	ALLOY GROUP 4 CW1 / 430	AISI 430	0.12	1.00	0.03	0.04	-	16.0/18.0	1.00	-
	ALLOY GROUP 5 H / 410	AISI 410	0.15	1.00	0.03	0.04	-	11.5/13.5	1.00	-
	ALLOY GROUP 6 H / 431	AISI 431	0.20	1.00	0.03	0.04	1.25/2.5	15.0/17.0	1.00	-

MECHANICAL PROPERTIES, GRADE & CHEMICAL COMPOSITION OF S.S. FASTENERS

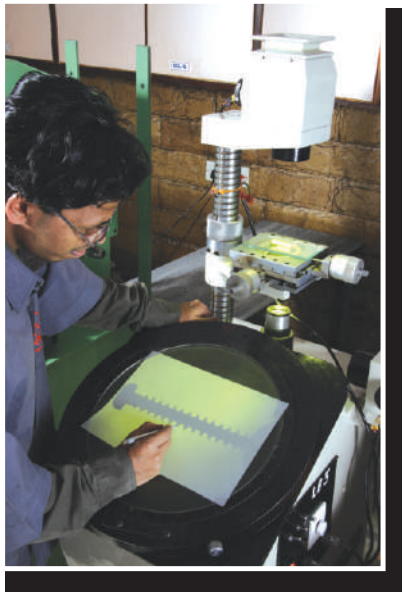
REF. STD.	GRADE OF FASTENERS	PROPERTY CLASS	GRADE OF MATERIAL	CHEMICAL COMPOSITION					
				TENSIL STRENGTH (min.)	ELO %(min.)	RED % (min.)	PROOF LOAD STREES FOR NUT (min.)	EXT. AFTER FRACTURE (min.)	HARDNESS (max)
ISO 3506	A2	50	AISI 304	500 N / mm²	-	-	500 N / mm²	0.6d	-
		70		700 N / mm²	-	-	700 N / mm²	0.4d	-
		80		800 N / mm²	-	-	800 N / mm²	0.3d	-
	A4	50	AISI 316	500 N / mm²	-	-	500 N / mm²	0.6d	-
		70		700 N / mm²	-	-	700 N / mm²	0.4d	-
		80		800 N / mm²	-	-	800 N / mm²	0.3d	-
ASTM SA-193 FOR BOLT	B8 CL-1	-	AISI 304	75 ksi	30%	50%	-		223 HB° or 96 HRB
	B8 CL-2	-		125 ksi	12%	35%	-		321 HB or 35 HRC
	B8M CL-1	-	AISI 316	75 ksi	30%	50%	-		223 HB° or 96 HRB
	B8M CL-2	-		110 ksi	15%	45%	-		321 HB or 35 HRC
	B6	-	AISI 410	110 ksi	15%	50%	-		-
	B6X	-		90 ksi	16%	50%	-		26 HRC
ASTM SA-194 FOR NUT	8	-	AISI 304	-	-	-	-		60 to 105 HRB
	8M	-	AISI 316	-	-	-	-		60 to 105 HRB
	6	-	AISI 410	-	-	-	-		20 to 28 HRC
ASTM F-593 FOR BOLT	ALLOY GROUP 1 CW / 304	-	AISI 304	100 to 150 ksi	20%	-	-		B95 to C32
	ALLOY GROUP 2 CW1 / 316	-	AISI 316	100 to 150 ksi	20%	-	-		B95 to C32
	ALLOY GROUP 3 CW1 / 321	-	AISI 321	100 to 150 ksi	20%	-	-		B95 to C32
	ALLOY GROUP 4 CW1 / 430	-	AISI 430	60 to 105 ksi	-	-	-		B75 to 98
	ALLOY GROUP 5 H / 410	-	AISI 410	110 to 140 ksi	18%	-	-		C20 to 30
	ALLOY GROUP 6 H / 431	-	AISI 431	125 to 150 ksi	15%	-	-		C25 to 32
ASTM F-594 FOR NUTS	ALLOY GROUP 1CW / 304	-	AISI 304	-	-	-	-	-	B95 to C32
	ALLOY GROUP 2 CW1 / 316	-	AISI 316	-	-	-	-	-	B95 to C32
	ALLOY GROUP 3 CW1 / 321	-	AISI 321	-	-	-	-	-	B95 to C32
	ALLOY GROUP 4 CW1 / 430	-	AISI 430	-	-	-	-	-	B75 to 98
	ALLOY GROUP 5 H / 410	-	AISI 410	-	-	-	-	-	C20 to 30
	ALLOY GROUP 6 H / 431	-	AISI 431	-	-	-	-	-	C25 to 32

▲ Fully automatic cold forging machines

PROD. SECTION

▲ Finished product storage

▲ Fully automatic packing machines



Profile Projector Test for self tapping fasteners

Checking of dies and tools for constant product quality

ENGG. SECTION

Physical properly testing of screws on universal testing machine

Hardness Testing

Research Center

Calibration of measuring instruments

CERTIFICATE OF REGISTRATION

ICI UK

This is to certify that the management system of

KUNTEK FASTENERS PRIVATE LIMITED

has been formally assessed by
INTERNATIONAL CERTIFICATION & INSPECTION UK LTD.
and found to comply with the requirements of

IATF 16949-2016

Scope of Registration:

Manufacture of Stainless Steel, Ferrous and Non-ferrous Fasteners
Exclusion : 8.3 Product Design

Registered Site (s):

Khewat No 1138/1000 Min 5.5 Km Stone, Sampla Beri Road, Bahadurgarh, Bhaproda, Jhajjar, Haryana 124501, India.

:: Certificate No :: ICI/1131428/25

Date of initial registration: **20 June 2025**

Re-certification Due: **19 June 2028**

This Certificate is property of ICI UK Ltd. and remains valid subject to satisfactory surveillance audits.

Peter Collins
Executive. Director
International Certifications & Inspection UK Limited.
128 City Road, London, United Kingdom, EC1V 2NX

To check validity of the certificate please visit at www.ici-uk.co

This certification of registration is issued by International Certification & Inspection UK Limited accredited with Accreditation Board For Certification bodies (www.ab-cb.org). This certificate remains the property of International Certification & Inspection UK Limited and must be returned upon request.

MANAGEMENT SYSTEM CERTIFICATE

VERIFIED
www.royalapl.com

This is to certify that

KUNTEK FASTENERS PRIVATE LIMITED

KHEWAT NO 1138/1000 MIN 5.5 KM STONE, SAMPLA BERI ROAD, BAHADURGARH, BHAPRODA, JHAJJAR, HARYANA - 124501, INDIA.

has been assessed by RAPL and found to comply with the requirements of

ISO 14001 : 2015

Environmental Management System

For the following activities:

MANUFACTURE OF STAINLESS STEEL, FERROUS AND NON-FERROUS FASTENERS

Certificate Number: E20250625354
Date of certification: 03/06/2025
Ist Surveillance on or before: 02/06/2026
IInd Surveillance on or before: 02/06/2027
Certification Valid Until: 02/06/2028

IAF MEMBER OF MULTILATERAL RECOGNITION ARRANGEMENT
EGAC Accredited
EMS Certification CAB# 119012

Director (Certification)
Royal Assessments Pvt. Ltd.
623 A, Tower-B, iThum, Plot No. A - 40, Sector - 62, Noida 201301, India.
www.royalapl.com, info@royalapl.com
Phone : +91 120 4251329
This Certificate can be verified at www.iafcertsearch.org

This Certificate is an endorsement of certified clients certification status but remains the property of Royal Assessments Pvt. Ltd. Certificate must be returned on RAPL's request or if certificate is withdrawn. Validity of certificate is subject to successful completion of surveillance audits. RAPL is accredited by EGAC, Egypt. EGAC is member of International Accreditation Forum (IAF) and signatory of MLA.

CE Approved

MANAGEMENT SYSTEM CERTIFICATE

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This is to certify that

KUNTEK FASTENERS PRIVATE LIMITED

KHEWAT NO 1138/1000 MIN 5.5 KM STONE, SAMPLA BERI ROAD, BAHADURGARH, BHAPRODA, JHAJJAR, HARYANA - 124501, INDIA.

has been assessed by RAPL and found to comply with the requirements of

ISO 45001 : 2018

Occupational Health and Safety Management System

For the following activities:

MANUFACTURE OF STAINLESS STEEL, FERROUS AND NON-FERROUS FASTENERS

Certificate Number: E20250625355
Date of certification: 03/06/2025
Ist Surveillance on or before: 02/06/2026
IInd Surveillance on or before: 02/06/2027
Certification Valid Until: 02/06/2028

IAF MEMBER OF MULTILATERAL RECOGNITION ARRANGEMENT
EGAC Accredited
OHSMS Certification CAB# 119012

Director (Certification)
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MANAGEMENT SYSTEM CERTIFICATE

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KUNTEK FASTENERS PRIVATE LIMITED

KHEWAT NO 1138/1000 MIN 5.5 KM STONE, SAMPLA BERI ROAD, BAHADURGARH, BHAPRODA, JHAJJAR, HARYANA - 124501, INDIA.

has been assessed by RAPL and found to comply with the requirements of

ISO 9001 : 2015

Quality Management System

For the following activities:

MANUFACTURE OF STAINLESS STEEL, FERROUS AND NON-FERROUS FASTENERS

Certificate Number: E20250625353
Date of certification: 03/06/2025
Ist Surveillance on or before: 02/06/2026
IInd Surveillance on or before: 02/06/2027
Certification Valid Until: 02/06/2028

IAF MEMBER OF MULTILATERAL RECOGNITION ARRANGEMENT
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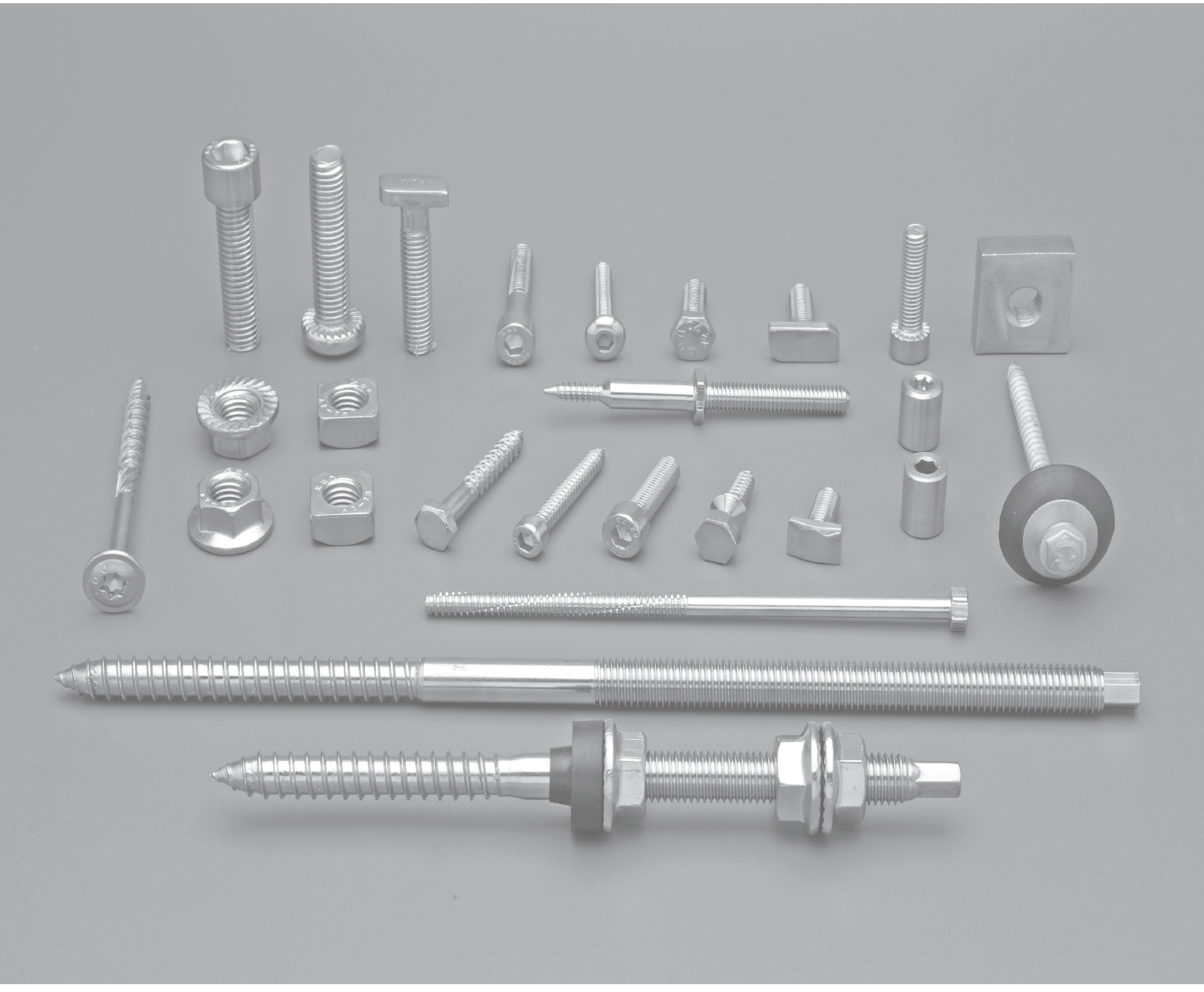
Scan for Catalogue



KUNTEK FASTENERS PVT. LTD.

Registered Office :
F-3, 3rd Floor, Main Road,
Shastri Nagar
(North West Delhi),
Delhi 110 052
Contact : +91 98111 54712

Works :
Khewat No. 1138/1000 Min,
5.5 KM Stone, Sampla-Beri Road,
Vill-Bhaproda, Teh.- Bahadurgarh,
Dist.-Jhajjar, Haryana 124 501

Marketing Office :
Unit No. 23, Sheetal Business Centre,
Near Chinchpada Junction,
Valiv Road, Vasai (East),
Maharashtra-401 208
Contact : +91 90229 03544

Email : info@kuntekfasteners.com **Website :** www.kuntekfasteners.com