

The Precise Fasteners Advantage

At Precise Fasteners, we go beyond being a fastener manufacturer & seek to provide high-quality customized fasteners solutions to meet the exact requirements of discerning clients. Here are just 5 reasons why we are class apart from its peers:

We provide peace of mind, not just products

Any factory can make a product, but it takes experience, expertise & expansive knowledge to help solve critical issues faced by clients.

We come with over 50 years of in-depth exposure to the industry, and employs proven and tested methods to provide continuously stable quality.

This allows our clients to fully concentrate on their business knowing their fastener need will be effectively and efficiently met.

Our people are as advanced as our technology

Technology is nothing without the human touch.

This is why we deploy the latest manufacturing equipment combined with dedicated, highly trained and vastly experienced personnel to ensure everything we do is fortified with the quality and attention to detail that comes with a long term commitment to delivering the best.

Good is never good enough for us

At Precise Fasteners, quality is everything.

That's why we use only the most advanced inspection equipment. Why we have tight control measures at every level of processing. And why we are capable of delivering zero-defect customized solutions to clients on demand.



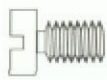
Building long term relationships is our first priority

We approach our clients not as suppliers, but as business partners working together to achieve common goals. We offer our clients ideas on how to improve their customized solutions, help them meet even the most urgent of deadlines, and even recommend ways to reduce production costs. All to create long-lasting and mutually beneficial relationships.

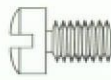
Our track record speaks for itself

Precise Fasteners has customized quality fastener solutions for clients in countless fields. Whichever your area of endeavor, we can create the most accurate, most relevant and most effective fastener solution for you.

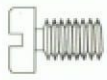
Head Styles



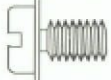
Cheese



Filister



Pan



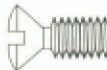
Pan Flanged (Washer)



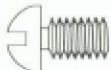
Flat (Countersunk)



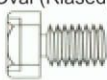
Truss



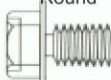
Oval (Riased)



Round



Indented Hex



Indented Hex Flanged (Washer)



Square Bolt



Carriage Bolt



Hex Socket Head



Hex Bolt



Binding



Weld Bolt

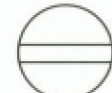


Sem screw

Drive Styles



Sq Socket



Slotted



Phillips



Pozi



Cross Recess



Hex Socket



Combination



Index Head Pozi



Index Head Phillips



Index Head

Rivets



Blind (Pop)



CSK



Raised Head



Snap Head



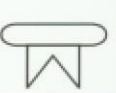
Mushroom



Flat Head



Semi Tubular



Bifur

Grub Screws



PLAIN CUP
DIN. 916



FLAT
DIN. 913



HALF DOG
DIN. 915



FULL DOG
DIN. 915



CONE
DIN. 914



OVAL

TAPPING SCREWS



Type A has a gimlet point applied to a thread-forming screw having a coarse-spaced thread.



Type B has a blunt, tapered, thread-forming point with incomplete entering threads.



Type AB has a gimlet point applied to a thread-forming screw.



Type BP has a sharp, conical or pinched point applied to a type B screw.



Type C has a blunt, tapered, thread-forming point with incomplete entering threads.



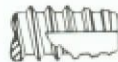
Type BF has a blunt, tapered, thread-cutting point with incomplete entering threads and multiple flutes.



Type 17 has a sharp, thread-cutting point with incomplete entering threads and a wide, milled cutting slot.



Type BG or H has a slotted, blunt, tapered, thread-cutting point with incomplete entering threads.



Type BT or 25 has a blunt, tapered, thread-cutting point with incomplete entering threads and a wide, milled cutting slot.



Type D or 1 has a blunt, tapered, thread-cutting point with incomplete entering threads and one flute.



Type F has a blunt, tapered, thread-cutting point with incomplete entering threads and multiple flutes.



Type G has a slotted, blunt, tapered, thread-cutting point with incomplete entering threads.



Type T or 23 has a blunt, tapered, thread-cutting point with incomplete entering threads and a wide, milled, cutting slot.

BOLTS

BOLTS

BOLTS

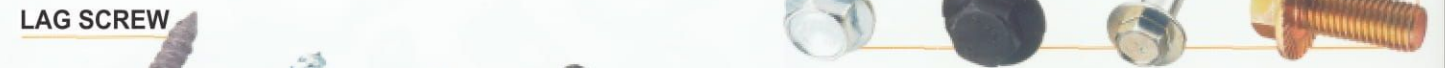
HEX HEAD SCREWS

HEX CAP SCREW



LAG SCREW

HEX FLANGE BOLTS



HEX SOCKET CAP SCREWS



BOLTS

WHEEL BOLTS

BOLTS



T BOLTS



SQ. HEAD SET SCREW



WHEEL BOLTS



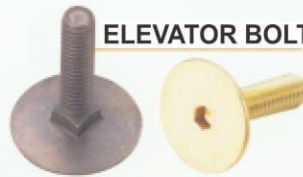
THUMB SCREWS



SHOULDER SCREW



ELEVATOR BOLTS



SQ. HEAD M/S



WING SCREW



U BOLT



WHEEL BOLTS SET



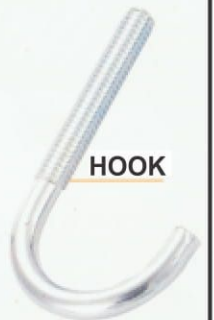
SOCKET CSK HEAD CAP SCREW



EYE BOLTS



HOOK



THREADED BOLTS



BUTTON HEAD CAP SCREW



BOLTS/STUDS

BOLTS

- Bolts
- Ball plungers
- Pipe plugs
- Socket set screws
- Special studs



PIPE PLUGS



SOCKET SET SCREWS



BALL PLUNGERS



SPECIAL STUDS



NUTS

HEX NUTS

- Hex Nut
- Locking Nuts
- Flange Nuts

ORDINARY

HEAVY



NYLON INSERT

LOCKING NUTS



FLANGE NUTS



NUTS

HEX CASTLE NUT

- Hex Castle Nut
- Coupling Nuts
- Square / Rectangular Nut
- Conical / Kep Nuts
- Weld Nuts
- Wing Nuts
- Hex Cap Nuts



SQUARE / RECTANGULAR NUT



WING NUTS

COLD FORGED



STAMPED

COUPLING NUTS

ROUND

HEX

EYE COUPLING



WELD NUTS



CONICAL / KEP NUTS



HEX CAP NUTS

HEX CAP NUTS

METAL CAP

NYLON CAP



NUTS

SPECIAL NUTS



CONE NUTS



PIPE NUTS



SPECIAL NUTS

BRASS INSERT RUBBER NUTS



CLINCH NUTS



INVIOLENT NUTS

WHEEL NUT



NUTS

- SPOT WELDING NUTS
- STAMPING NUTS
- TEE NUTS
- SPRING NUTS
- CAGE NUTS
- PLATE NUTS
- ASSEMBLY PARTS
- RIVET NUTS

SPOT WELDING NUTS



RIVET NUTS



TEE NUTS



ASSEMBLY PARTS



SPRING NUTS



CAGE NUTS



PLATE NUTS



STAMPING NUTS



SCREWS

TRILOBULAR/TAPTITE/PLASTITE/THREAD FORMING SCREWS

- Thread Forming Screws
- Thread Cutting Screws
- Machine Screws
- Window Screws

*for metal

FOR PLASTIC



THREAD CUTTING SCREWS

WINDOW SCREWS



MACHINE SCREWS



SCREWS

Sems Screws

- Sems Screws
- Screws with Locking Patch



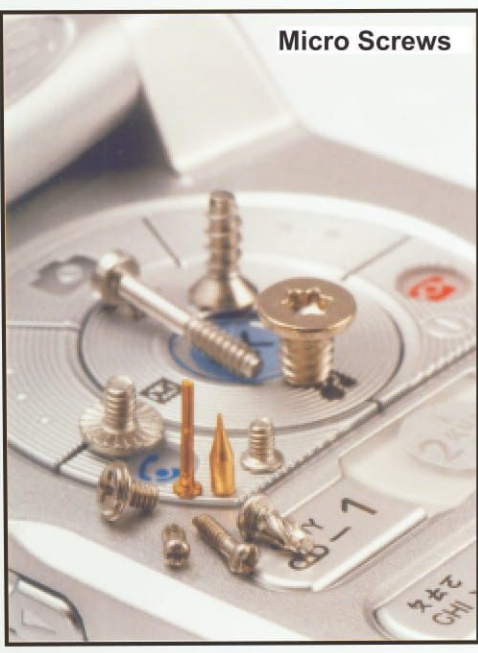
Screws with Locking Patch



SCREWS

MICRO SCREWS

- Special Screws
- Micro Screws



Micro Screws

SPECIAL SCREWS



SCREWS

WOOD SCREWS & OTHER SHARP POINT SCREWS

- Wood Screws & Other Sharp Point Screws
- Hi-Lo Thread Screws



Nail Screws



HI-LO THREAD SCREWS

WINDOW FRAME SCREWS



DISTANCE SCREWS



MASONRY SCREWS



SECURITY SCREW

WHITE RUSPERT

SCREWS

CHIPBOARD SCREWS

- Chipboard screws
- Tapping screws
- Drywall screws



DRYWALL SCREWS



TAPPING SCREWS



SCREWS

Self Drilling Screws

SELF DRILLING SCREWS



SCREWS

STAINLESS STEEL COVER CAP HEAD

- Nylon Cover Cap Head
- Stainless Steel Cover Cap Head
- Spoon Point
- Painted Head
- Self Drilling Screws



NYLON COVER CAP HEAD

SPOON POINT



SELF DRILLING SCREWS



WASHER / RING

DIN9021 / DIN125A / DIN127B

- FLAT WASHER
- CIRCULAR RING
- WAVE WASHER
- TEETH WASHER
- E-RING
- EPDM WASHER



CIRCULAR RING



WAVE WASHER

TOOTH WASHER



E-RING



EPDM BONDED WASHER



ANCHORS

Anchors with nylon sleeve

- Anchors with sleeve
- Other anchors
- Nylon material pluge / Anchors
- Metal & wire rope fittings

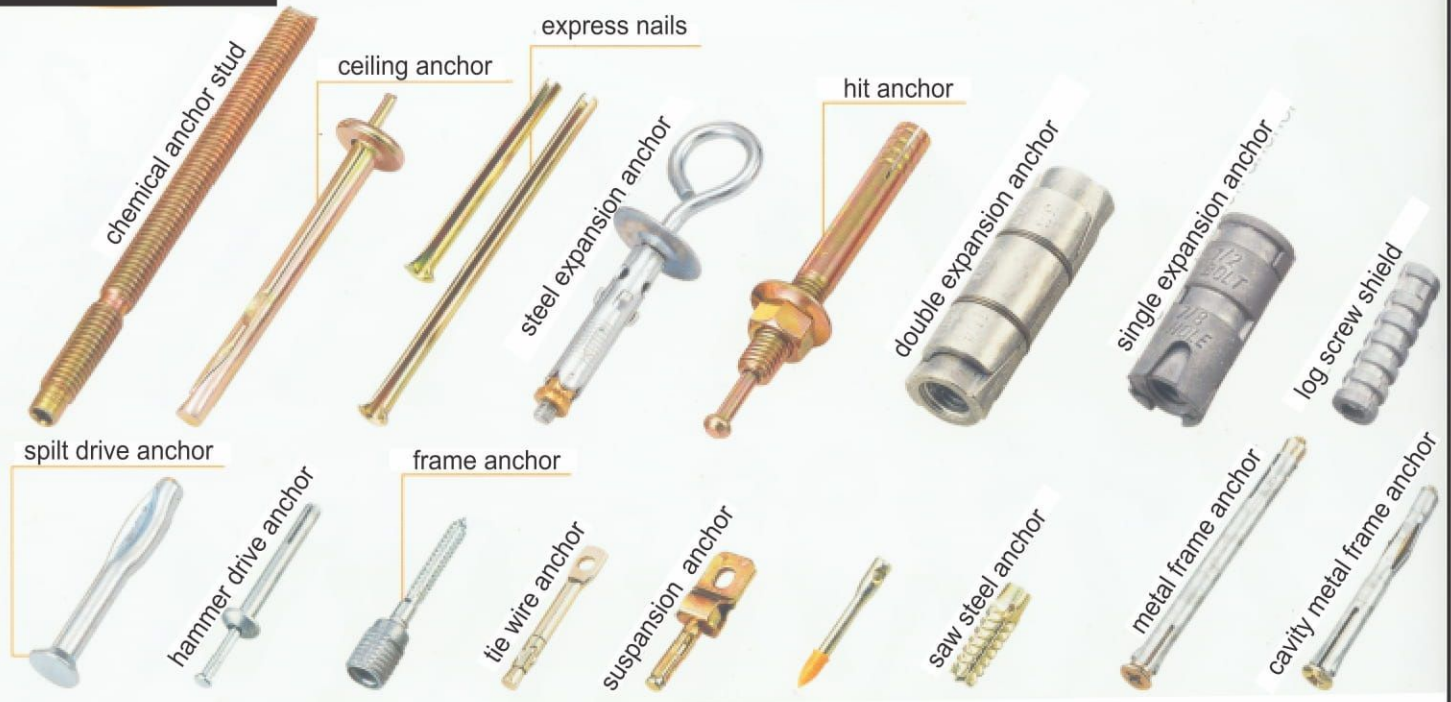


Metal & wire rope fittings

Nylon material pluge / Anchors



Other anchors



ANCHORS

SLEEVE ANCHORS

- WEDGE ANCHORS
- SLEEVE ANCHORS
- SHIELD ANCHORS
- DROP IN / CUT ANCHORS
- HOLLOW WALL ANCHORS
- SPEED PLUGS & TOOL
- TOGGLE ANCHORS
- GRAVITY ANCHORS



DROP IN / CUT ANCHORS



HOLLOW WALL ANCHORS



WEDGE ANCHORS



TOGGLE ANCHORS



GRAVITY ANCHORS



SHIELD ANCHORS



NYLON PRODUCTS

NYLON / PVC / PLASTIC / EPDM PRODUCTS



MACHINING PARTS

MACHINING PARTS

MACHINING PARTS



STAMPING PARTS

OTHER STAMPING PARTS

OTHER STAMPING PARTS



PINS/NAILS/RIVETS

PINS

- Pins
- Nails
- Rivets
- Hose clamps

Cotter pins



Snap pins



Special pins



Spring lock pins



HOSE CLAMPS



NAILS



RIVETS



FURNITURE SCREWS & ASSOCIATES

EYE SCREWS/HOOKS

EYE SCREWS/HOOKS

INSERT NUTS

JOINT CONNECTOR NUTS

BARREL NUT
(STEEL / ZINC ALLOY)

WING NUTS (DIE CASTING)

C HOOK

CUP HOOK

SQUARE HOOK

INSERT NUTS



BARREL NUT (STEEL / ZINC ALLOY)



JOINT CONNECTOR NUTS



BREAK MACHINE SCREWS



WING NUTS (DIE CASTING)



OTHERS FOR FURNITURE



FURNITURE SCREWS & ASSOCIATES

- CONFIRMAT SCREWS
- JOINT CONNECTOR
- EURO SCREWS
- OTHERS FOR FURNITURE
- BINDING POST NUTS/SETS
- SHELL SUPPORTS
- HANGER BOLTS

CONFIRMAT SCREWS



JOINT CONNECTOR



HANGER BOLTS



EURO SCREWS



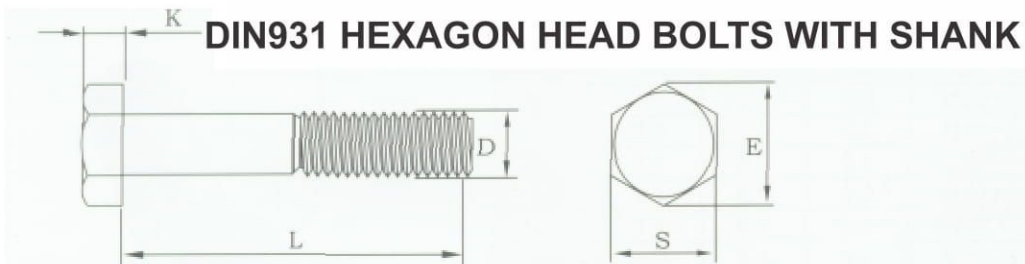
SHELL SUPPORTS



BINDING POST NUTS/SETS



BOLTS



AVAILABLE MATERIAL :
CARBON STEEL,
STAINLESS STEEL,
BRASS

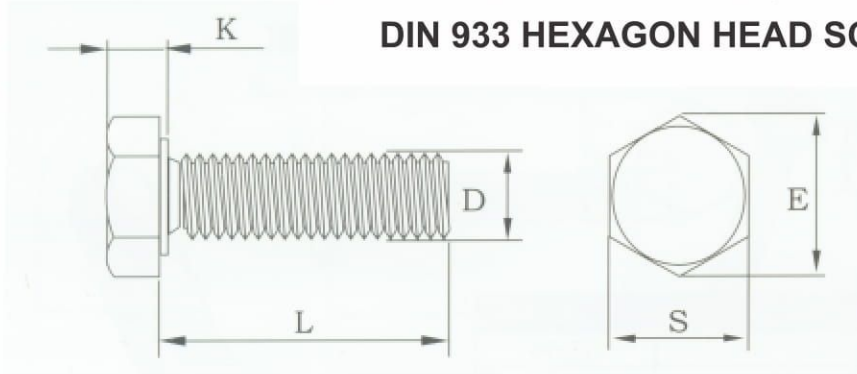
D	S	E	K	L
M1.6	3.2	3.41 MIN.	1.1	12~ 16
M2	4.0	4.32 MIN.	1.4	16~ 20
M2,5	5.0	5.45 MIN.	1.7	16~ 25
M3	5.5	6.01 MIN.	2.0	20~ 30
M3.5	6.0	6.58 MIN.	2.4	25~ 35
M4	7.0	7.66 MIN.	2.8	20~ 50
M5	8.0	8.79 MIN.	3.5	25~ 60
M6	10.0	11.05 MIN.	4.0	30~ 100
M7	11.0	12.12 MIN.	4.8	30~ 70
M8	13.0	14.38 MIN.	5.3	35~ 150
M10	17.0	18.90 MIN.	6.4	40~ 150
M12	19.0	21.10 MIN.	7.5	45~ 200
M14	22.0	24.49 MIN.	8.8	50~ 150
M16	24.0	26.75 MIN.	10.0	55~ 200
M18	27.0	30.14 MIN.	11.5	65~ 160
M20	30.0	33.53 MIN.	12.5	65~ 200
M22	32.0	35.72 MIN.	14.0	70~ 220
M24	36.0	39.98 MIN.	15.0	80~ 240
M27	41.0	45.20 MIN.	17.0	90~ 260
M30	46.0	50.85 MIN.	18.7	90~ 300
M33	50.0	55.37 MIN.	21.0	100~ 300
M36	55.0	60.79 MIN.	22.5	110~ 300
M39	60.0	66.44 MIN.	25.0	120~ 300
M42	65.0	71.30 MIN.	26.0	130~ 300
M45	70.0	76.95 MIN.	28.0	130~ 300
M48	75.0	82.60 MIN.	30.0	140~ 340
M52	80.0	88.25 MIN.	33.0	150~ 340
M56	85.0	93.56 MIN.	35.0	160~ 360
M60	90.0	99.21 MIN.	38.0	170~ 360
M64	95.0	104.86 MIN.	40.0	180~ 360
M68	100.0	110.51 MIN.	43.0	190~ 380
M72X 6	105.0	116.16 MIN.	45.0	200~ 400
M76X 6	110.0	121.81 MIN.	48.0	200~ 420
M80 X 6	115.0	127.46 MIN.	50.0	220~ 460
M90 X 6	130.0	144.08 MIN.	57.0	240~ 500
M100 X 6	145.0	161.02 MIN.	63.0	260~ 500
M110 X 6	155.0	172.32 MIN.	69.0	280~ 500
M125 X 6	180.0	200.57 MIN.	79.0	320~ 500
M140 X 6	200.0	220.80 MIN.	88.0	340~ 500
M160 X 6	230.0	254.70 MIN.	100.0	380~ 500



BOLTS

AVAILABLE MATERIAL : CARBON STEEL, STAINLESS STEEL, BRASS

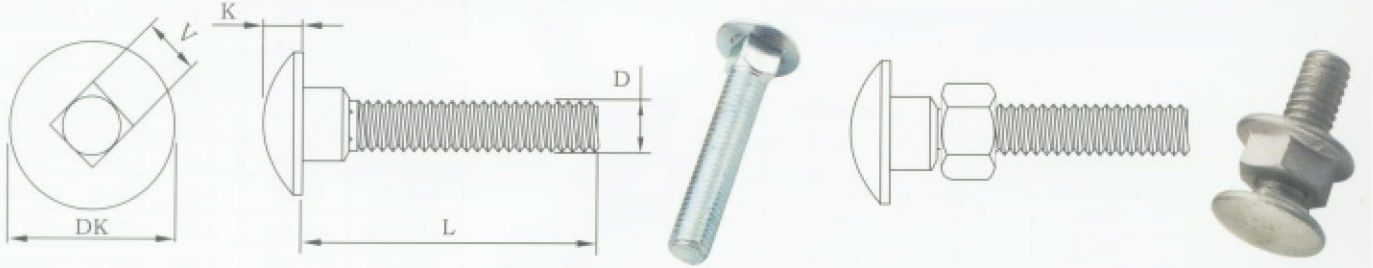
DIN 933 HEXAGON HEAD SCREWS



D	S	E	K	L
M1.6	3.2	3.41 MIN.	1.1	2~12
M2	4.0	4.32 MIN.	1.4	3~16
M2.5	5.0	5.45 MIN.	1.7	3~25
M3	5.5	6.01 MIN.	2.0	4~30
M3,5	6.0	6.58 MIN.	2.4	5~35
M4	7.0	7.66 MIN.	2.8	5~70
M5	8.0	8.79 MIN.	3.5	6~80
M6	10.0	11.05 MIN.	4.0	6~80
M7	11.0	12.12 MIN.	4.8	7~100
M8	13.0	14.38 MIN.	5.3	8~160
M10	17.0	18.90 MIN.	6.4	8~200
M12	19.0	21.10 MIN.	7.5	10~200
M14	22.0	24.49 MIN.	8.8	10~150
M16	24.0	26.75 MIN.	10.0	12~200
M18	27.0	30.14 MIN.	11.5	16~200
M20	30.0	33.53 MIN.	12.5	16~200
M22	32.0	35.75 MIN.	14.0	16~200
M24	36.0	39.98 MIN.	15.0	16~200
M27	41.0	45.20 MIN.	17.0	22~200
M30	46.0	50.85 MIN.	18.7	35~200
M33	50.0	55.37 MIN.	21.0	35~200
M36	55.0	60.79 MIN.	22.5	35~200
M39	60.0	66.44 MIN.	25.0	35~200
M42	65.0	71.30 MIN.	26.0	40~200
M45	70.0	76.95 MIN.	28.0	40~200
M48	75.0	82.60 MIN.	30.0	40~200
M52	80.0	88.25 MIN.	33.0	50~200

BOLTS

DIN 603 MUSHROOM HEAD SQUARE NECK BOLTS

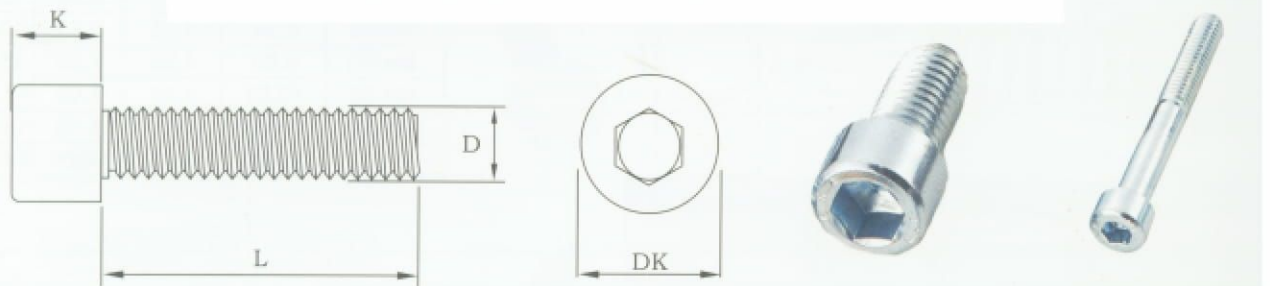


D	DK	V	K	L
M5	12.45-13.55	4.52-5.48	2.70-3.30	12~ 90
M6	15.45-16.55	5.52-2.48	3.12-3.88	12 ~ 170
M7	16.50-17.50	6.70-7.30	3.43-4.17	30~100
M8	19.35-20.65	7.42-8.58	4.12-4.88	15~200
M10	23.35-24.65	9.42-10.58	4.62-5.38	16~300
M12	29.35-30.65	11.30-12.70	6.05-6.95	25 ~300
M14	33.30-34.80	13.60-14.30	7.65-8.45	80~300
M16	37.20-38.80	15.30-16.70	8.05-8.95	35~300
M20	45.20-46.80	19.16-20.84	9.95-11.05	50~300

AVAILABLE MATERIAL :
CARBON STEEL,
STAINLESS STEEL

FOR MORE MUSHROOM HEAD SQUARE NECK BOLTS, PLEASE SEE PAGE 30

DIN912 HEXAGON SOCKET HEAD CAP SCREWS

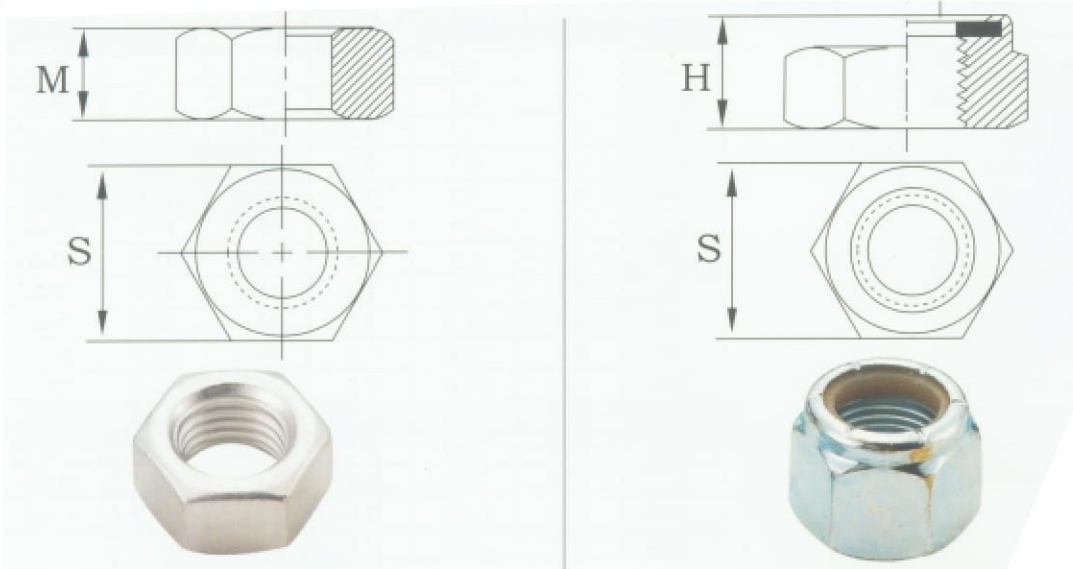


D	DK	K	L
M1.4	2.46-2.60	1.26-1.40	2~12
M1.6	2.86-3.00	1.46-1.60	2.5~16
M2	3.62-3.80	1.86-2.00	2.5~16
M2.5	4.32-4.50	2.36-2.50	3~25
M3	5.32-5.50	2.86-3.00	5~30
M4	6.78-7.00	3.82-4.00	6~40
M5	8.28-8.50	4.82-5.00	8~50
M6	9.78-10.00	5.70-6.00	8~100
M8	12.73-13.00	7.64-8.00	10~200
M10	15.73-16.00	9.64-10.00	16~200
M12	17.73-18.00	11.57-12.00	16~200
M14	20.67-21.00	13.57-14.00	25~200
M16	23.67-24.00	15.57-16.00	26~200
M18	26.67-27.00	17.57-18.00	30~200
M20	29.67-30.00	19.48-20.00	30~200

D	DK	K	L
M22	32.61-33.00	21.48-22.00	35~200
M24	35.61-36.00	23.48-24.00	40~200
M27	39.61-40.00	26.48-27.00	45~200
M30	44.61-45.00	29.48-30.00	45~200
M33	49.61-50.00	32.38-33.00	50~300
M36	53.54-54.00	35.38-36.00	55~300
M42	62.54-64.00	41.38-42.00	60~300
M48	71.54-72.00	47.38-48.00	70~300
M56	83.46-84.00	55.26-56.00	80~300
M64	95.46-96.00	63.26-64.00	90~300
M72 X 6	107.46-108.00	71.26-72.00	100~300
M80 X 6	119.46-120.00	79.26-80.00	120~300
M90 X 6	134.37-135.00	89.13-90.00	140~300
M100 X 6	149.37-150.00	99.13-100.00	140~300

NUTS

AVAILABLE MATERIAL : CARBON STEEL, STAINLESS STEEL

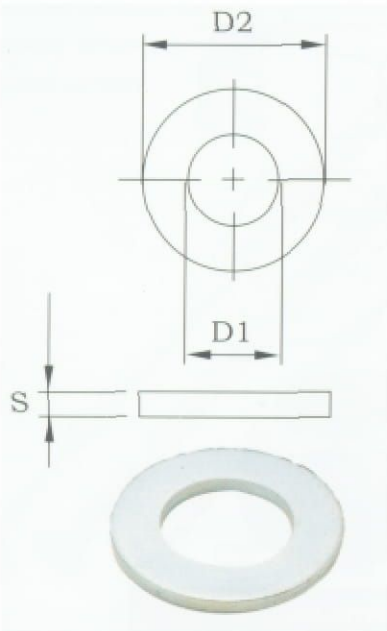


DIN934 HEXAGON NUTS		
D	M	S
M1	0.8	2.5
M1.2	1.0	3.0
M1.4	1.2	3.0
M1.6	1.3	3.2
M2	1.6	4.0
M2.5	2.0	5.0
M3	2.4	5.5
M3.5	2.8	6.0
M4	3.2	7.0
M5	4.0	8.0
M6	5.0	10.0
M7	5.5	11.0
M8	6.5	13.0
M10	8.0	17.0
M12	10.0	19.0
M14	11.0	22.0
M16	13.0	24.0
M18	15.0	27.0
M20	16.0	30.0
M22	18.0	32.0
M24	19.0	36.0
M27	22.0	41.0
M30	24.0	46.0
M33	26.0	50.0
M36	29.0	55.0
M39	31.0	60.0
M42	34.0	65.0
M45	36.0	70.0
M48	38.0	75.0
M52	42.0	80.0
M56	45.0	85.0

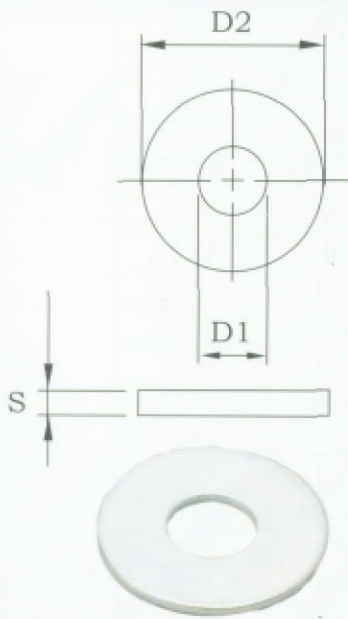
DIN985 PREVAILING TORQUE TYPE HEXAGON THIN NUTS		
D	M	S
M3	4.0	5.5
M4	5.0	7.0
M5	5.0	8.0
M6	6.0	10.0
M7	7.5	11.0
M8	8.0	13.0
M10	10.0	17.0
M12	12.0	19.0
M14	14.0	22.0
M16	16.0	24.0
M18	18.5	27.0
M20	20.5	30.0
M22	22.0	32.0
M24	24.0	36.0
M27	27.0	41.0
M30	30.0	46.0
M33	33.0	50.0
M36	36.0	55.0
M39	39.0	60.0
M42	42.0	65.0
M45	45.0	70.0
M48	48.0	75.0

WASHERS

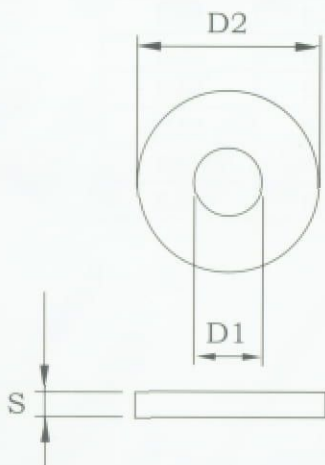
AVAILABLE MATERIAL : CARBON STEEL,
STAINLESS STEEL, BRASS, ALUMINUM



DIN125A WASHERS							
D	D1	D2	S	D	D1	D2	S
M1.6	1.7	4.0	0.3	M22	23.0	39.0	3.0
M2	2.2	5.0	0.3	M24	25.0	44.0	4.0
M2.5	2.7	6.0	0.5	M27	28.0	50.0	4.0
M3	3.2	7.0	0.5	M30	31.0	56.0	4.0
M3,5	3.7	8.0	0.5	M33	34.0	60.0	5.0
M4	4.3	9.0	0.8	M36	37.0	66.0	5.0
M5	5.3	10.0	1.0	M39	42.0	72.0	6.0
M6	6.4	12.0	1.6	M42	45.0	78.0	8.0
M8	8.4	16.0	1.6	M45	48.0	85.0	8.0
M10	10.5	20.0	2.0	M48	52.0	92.0	8.0
M12	13.0	24.0	2.5	M52	56.0	98.0	8.0
M14	15.0	28.0	2.5	M56	62.0	105.0	10.0
M16	17.0	30.0	3.0	M60	66.0	110.0	10.0
M18	19.0	34.0	3.0	M64	70.0	115.0	10.0
M20	21.0	37.0	3.0				



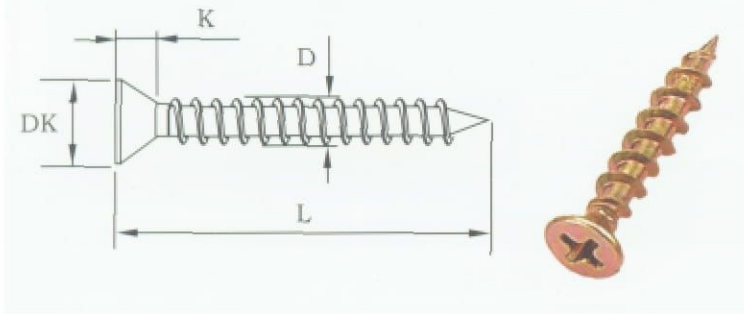
DIN9021 WASHERS							
D	D1	D2	S	D	D1	D2	S
M2,5	2.7	8.0	0.8	M12	17.0	50.0	3.0
M3	3.2	9.0	0.8	M18	19.0	56.0	4.0
M3,5	3.7	11.0	0.8	M20	21.0	60.0	4.0
M4	4.3	12.0	1.0	M22	23.0	66.0	5.0
M5	5.4	15.0	1.0	M24	25.0	72.0	5.0
M6	6.4	18.0	1.6	M27	30.0	85.0	6.0
M8	8.4	24.0	2.0	M30	33.0	92.0	6.0
M10	10.5	30.0	2.5	M33	36.0	105.0	6.0
M12	13.0	37.0	3.0	M36	39.0	110.0	8.0
M14	15.0	44.0	3.0				



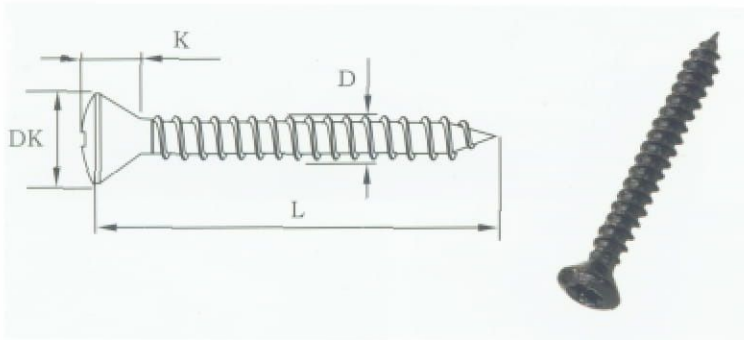
DIN440R ROUND WASHERS							
D	D1	D2	S	D	D1	D2	S
M5	5.5	18.0	2.0	M27	30.3	98.0	6.0
M6	6.6	22.0	2.0	M30	33.0	105.0	6.0
M8	9.0	28.0	3.0	M33	36.0	112.0	6.0
M10	11.0	34.0	3.0	M36	39.0	125.0	8.0
M12	14.0	45.0	4.0	M39	42.0	140.0	8.0
M16	18.0	58.0	5.0	M42	45.0	150.0	8.0
M20	22.0	68.0	5.0	M45	48.0	160.0	8.0
M22	24.0	80.0	6.0	M48	52.0	170.0	10.0
M24	26.0	92.0	6.0	M52	56.0	180.0	10.0

CHIPBOARD SCREWS

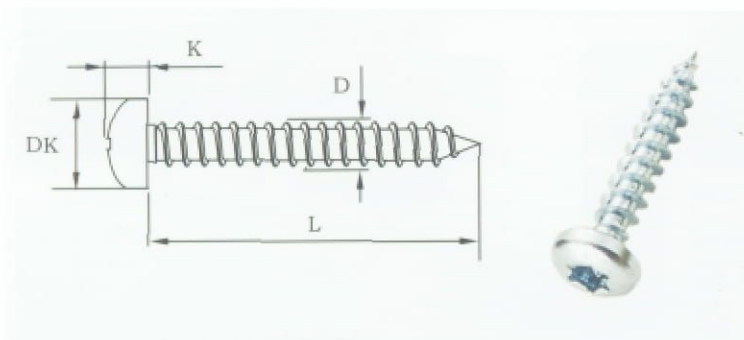
AVAILABLE MATERIAL : CARBON STEEL, STAINLESS STEEL, BRASS



DOUBLE FLAT HEAD CHIPBOARD SCREWS			
D	DK	K	L
M2.5	5.0	1.3	10 - 30
M2.7	5.5	1.3	10 - 50
M3.0	6.0	1.3	10 - 50
M3.5	7.0	1.4	10 - 60
M4.0	8.0	1.8	12 - 80
M4.5	9.0	1.9	16 - 80
M5.0	10.0	2.2	20 - 140
M5.5	11.0	2.3	20 - 140
M6.0	12.0	2.5	25 - 200
M8.0	14.5	4.0	60 - 300
M10.0	18.2	5.0	80 - 300



OVALC HEAD CHIPBOARD SCREWS			
D	DK	K	L
M3.0	6.0	1.90	16- 40
M3.5	7.0	2.10	10 - 50
M4.0	8.0	2.45	14 - 70
M4.5	9.0	2.70	16 - 80
M5.0	10.0	3.10	20 - 140
M6.0	12.0	3.70	25 - 180



PAN HEAD CHIPBOARD SCREWS			
D	DK	K	L
M2.5	5.0	2.12	10 - 30
M3.0	6.0	2.37	16 - 40
M3.5	7.0	2.72	10 - 50
M4.0	8.0	2.92	14 - 70
M4.5	9.0	3.15	16-180
M5.0	10.0	3.65	20 - 140
M6.0	12.0	4.25	25 - 200



POZI



PHIL

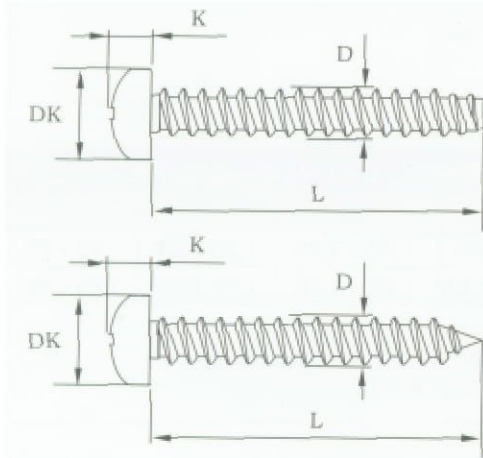


6 LOBES



POZI - HOLE

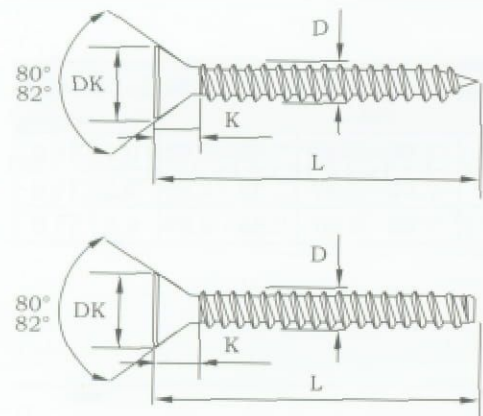
TAPPING SCREWS



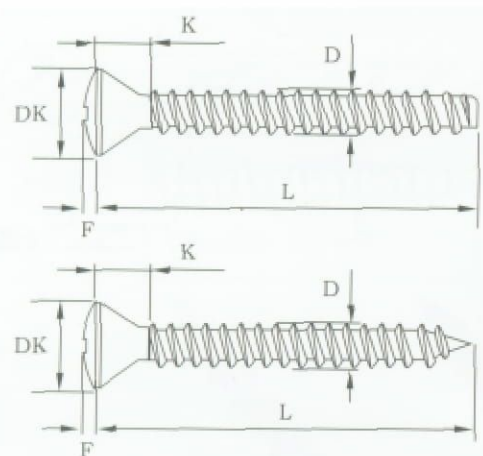
AVAILABLE MATERIAL :
CARBON STEEL, STAINLESS STEEL, BRASS



DIN 7981 PAN HEAD TAPPING SCREWS			
D	DK	K	L
M2.2	4.2	1.80	4.5 - 16.0
M2.9	5.6	2.20	6.5 - 25.0
M3.5	6.9	2.60	9.5 - 60.0
M3.9	7.5	2.80	9.5 - 70.0
M4.2	8.2	3.05	9.5 - 70.00
M4.8	9.5	3.55	9.5 - 120.00
M5.5	10.8	3.95	13.0 - 150.00
M6.3	12.5	4.55	13.0 - 200.00



DIN 7982 CSK HEAD TAPPING SCREWS			
D	DK	K	L
M2.2	4.2	1.3	4.5 - 16.0
M2.9	5.6	1.7	6.5 - 25.0
M3.5	6.9	2.1	9.5 - 60.0
M3.9	7.5	2.3	9.5 - 70.0
M4.2	8.2	2.5	9.5 - 70.0
M4.8	9.5	3.0	9.5 - 120.0
M5.5	10.8	3.4	13.0 - 150.0
M6.3	12.5	3.8	13.0 - 200.0



DIN 7983 RAISED HEAD TAPPING SCREWS				
D	DK	K	L	
M2.2	4.3	0.7	1.3	4.5 - 16
M2.9	5.5	0.9	1.7	6.5 - 25
M3.5	6.8	1.2	2.1	9.5 - 60
M3.9	7.5	1.3	2.3	9.5 - 70
M4.2	8.1	1.4	2.5	9.5 - 70
M4.8	9.5	1.5	3.0	9.5 - 120
M5.5	10.8	1.7	3.4	13.0 - 15
M6.3	12.5	2	3.8	13.0 - 200



SQUARE



POZI



PHIL



6 LOBES



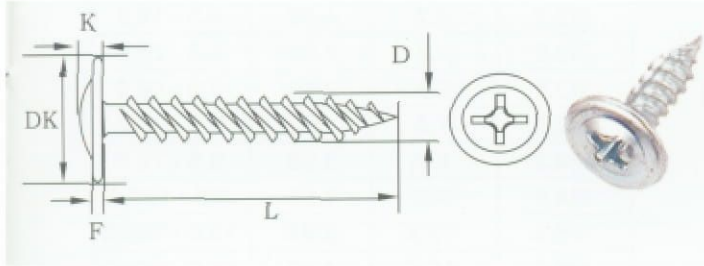
SLOT



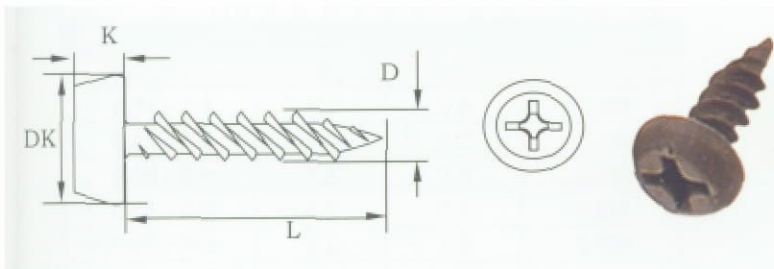
HEX SOCKET

DRYWALL SCREWS

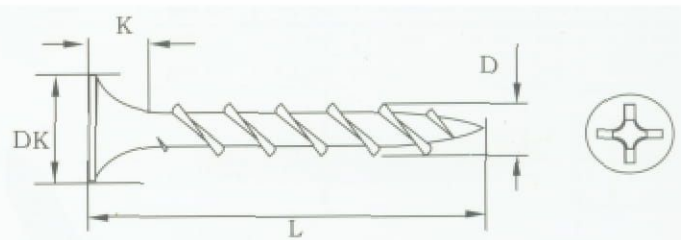
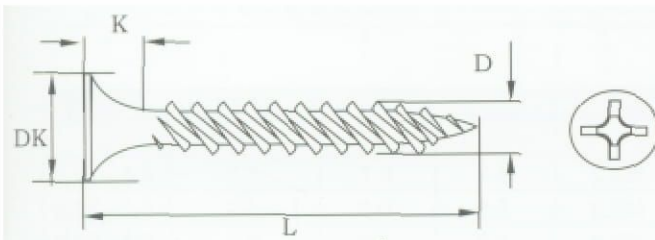
AVAILABLE MATERIAL : CARBON STEEL, STAINLESS STEEL, BRASS



WAFER HEAD DRYWALL SCREWS				
D	DK	K	F	L
M3.5	7.50 - 8.00	1.90 - 2.20	1.20 REF	13 - 75
M4.2	10.40 - 11.00	1.90 - 2.20	1.20 REF	13 - 75



PAN FRAMING HEAD DRYWALL SCREWS			
D	DK	K	L
M3.5	7.60 - 8.00	2.55 - 2.85	9.5 / 11.0
M3.8	7.60 - 8.00	2.55 - 2.85	9.5 / 11.0
M3.9	7.60 - 8.00	2.55 - 2.85	9.5 / 11.0

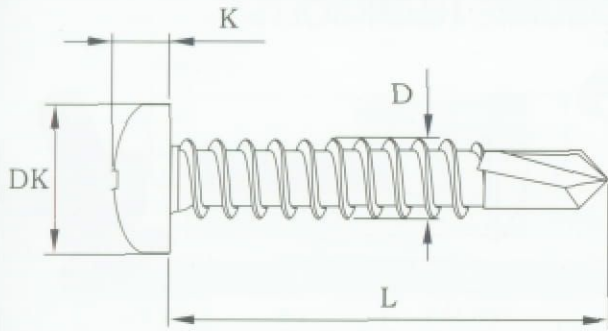


BUGLE HEAD DRYWALL SCREWS			
D	DK	K	L
M3.5	7.80 - 8.20	5.00 REF	16.0 - 65.0
M3.9	7.80 - 8.20	5.00 REF	16.0 - 75.0
M4.2	7.80 - 8.20	6.00 REF	16.0 - 100.0
M4.8	8.00 - 8.40	6.00 REF	65.0 - 180.0

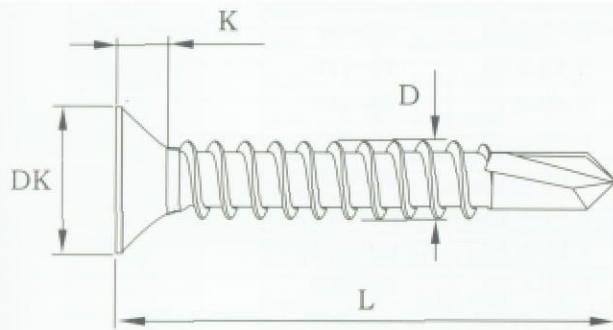


SELF DRILLING SCREWS

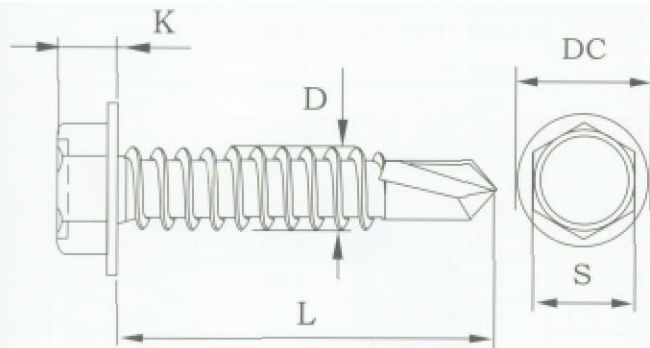
AVAILABLE MATERIAL : CARBON STEEL
STAINLESS STEEL



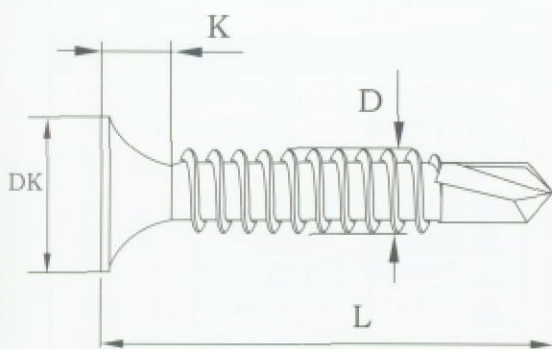
DIN 7504 MH			
D	DK	K	L
M2.90	5.60	2.20	9.5 - 25.0
M3.50	6.90	2.60	9.5 - 60.0
M3.90	7.50	2.80	13.0 - 70.0
M4.20	8.20	3.05	13.0 - 70.0
M4.80	9.50	3.55	13.0 - 120.0
M5.50	10.80	3.95	16.0 - 150.0
M6.30	12.50	4.55	19.0 - 200.0



DIN 7504 OH			
D	DK	K	L
M2.90	5.50	4.70	9.5 - 25.0
M3.50	6.80	2.10	9.5 - 60.0
M3.90	7.50	2.30	13.0 - 70.0
M4.20	8.10	2.50	13.0 - 70.0
M4.80	9.50	3.00	13.0 - 120.0
M5.50	10.80	3.40	16.0 - 150.0
M6.30	12.40	3.80	19.0 - 200.0



DIN 7504 K				
D	DC	K	S	L
M3.50	8.30	3.45	5.50	9.5 - 60.0
M3.90	8.30	3.45	5.50	13.0 - 70.0
M4.20	8.80	4.25	7.00	13.0 - 70.0
M4.80	10.50	4.45	8.00	13.0 - 120.0
M5.50	11.00	5.45	8.00	16.0 - 150.0
M6.30	13.20	6.45	10.00	19.0 - 200.0



PHL BUGLE HEAD SELF DRILLING SCREWS			
D	DK	K	L
M3.5	7.90 - 8.40	5.00 REF	25.0 - 65.0
M3.9	7.90 - 8.40	5.00 REF	25.0 - 65.0
M4.2	7.90 - 8.40	6.00 REF	50.0 - 75.0
M4.8	7.90 - 8.40	6.00 REF	100.0 - 150.0



SQUARE



POZI



PHIL



6 LOSSES

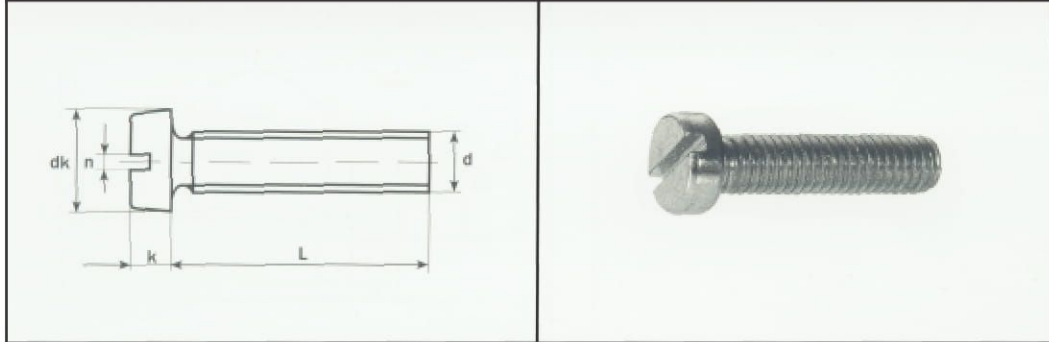


SLOT



HEX SOCKET

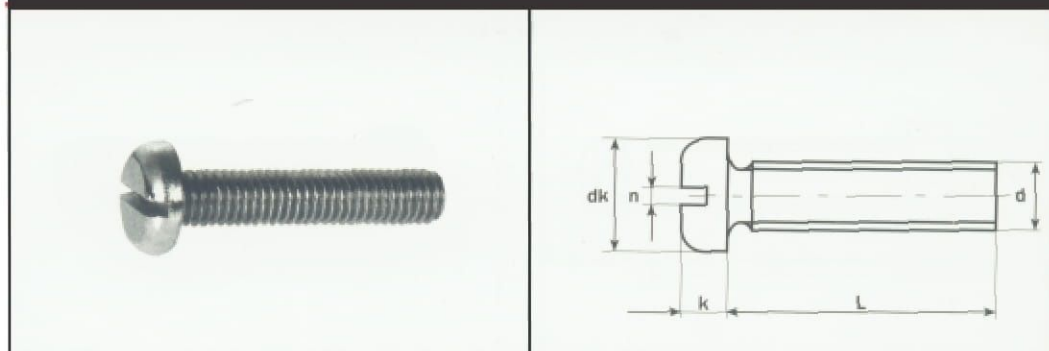
DIN 84



Slotted cheese head screws

d	M3	M4	M5	M6	M8
P	0,5	0,7	0,8	1	1,25
dk	5,5	7	8,5	10	13
k	2	2,6	3,3	3,9	5
n	0,8	1,2	1,2	1,6	2

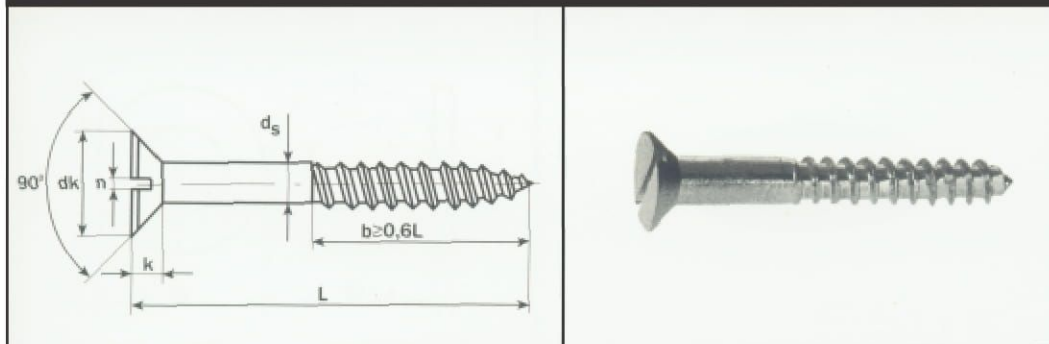
DIN 85



Slotted pan head screws

d	M3	M4	M5	M6	M8
P	0,5	0,7	0,8	1	1,25
dk	6	8	10	12	16
k	1,8	2,4	3	3,6	4,8
n	0,8	1,2	1,2	1,6	2

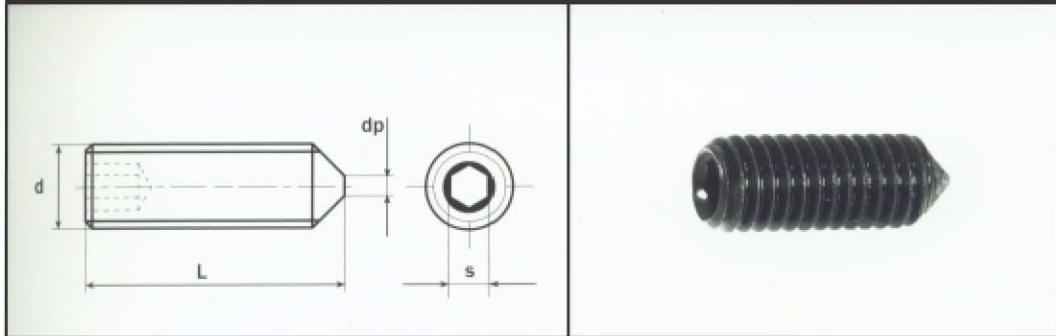
DIN 97



Slotted countersunk (flat) head wood screws

d	2	2,5	3	3,5	4	4,5	5	6
dk	3,8	4,7	5,6	6,5	7,5	8,3	9,2	11
dk (max)	1,2	1,5	1,65	1,93	2,2	2,35	2,5	3
n	0,5	0						

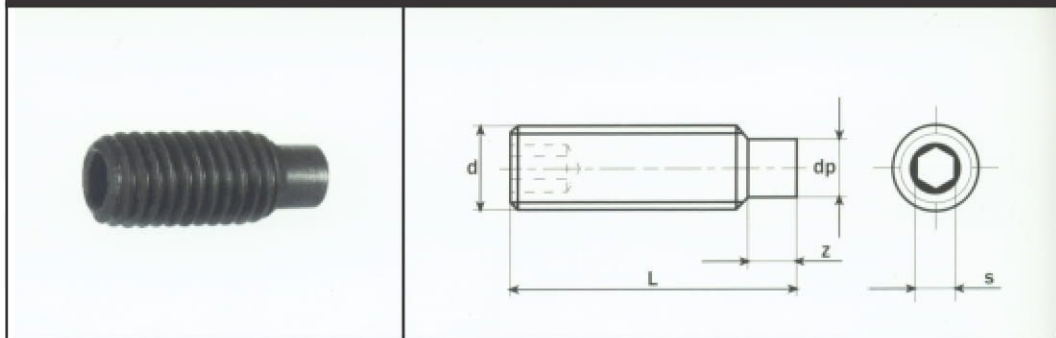
DIN 914



Hexagon socket set screws with cone point

d	M3	M4	M5	M6	M8	M10	M12	M16	M20	M24
P	0,5	0,7	0,8	1	1,25	1,5	1,75	2	2,5	3
dp (max)	-2	-	-	4	2	2	2	4	6	8
s	1,5	2	2,5	3	4	5	6	8	10	12

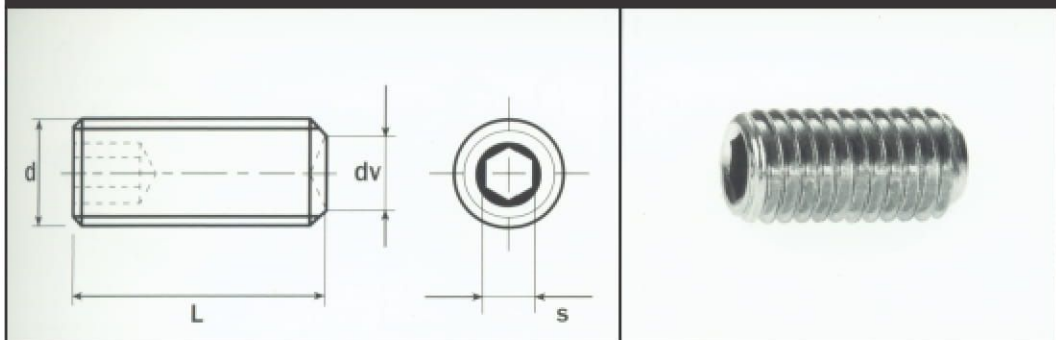
DIN 915



Hexagon socket set screws with dog point

d	M3	M4	M5	M6	M8	M10	M12	M16	M20	M24
P	0,5	0,7	0,8	1	1,25	1,5	1,75	2	2,5	3
dp (max)	2	2,5	3,5	4	5,5	7	8,5	12	15	18
s	1,5	2	2,5	3	4	5	6	18	10	12
	0,75	1	1,25	1,5	2	2,5	3	4	5	6
	1	1,25	1,5	1,75	2,25	2,75	3,25	4,3	5,3	6,3
	1,5	2	2,5	3	4	5	6	8	10	12
	1,75	2,25	2,75	3,25	4,3	5,3	6,3	8,36	10,36	12,43

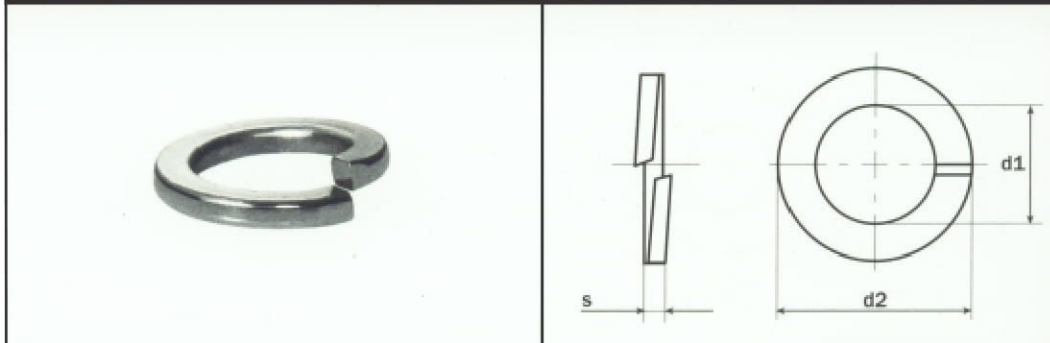
DIN 916



Hexagon socket set screws with cup point

d	M3	M4	M5	M6	M8	M10	M12	M16	M20	M24
P	0,5	0,7	0,8	1	1,25	1,5	2,75	2	2,5	3
dv	1,4	2	2,5	3	5	6	8	10	14	16
s	1,5	2	2,5	3	4	5	6	8	10	12

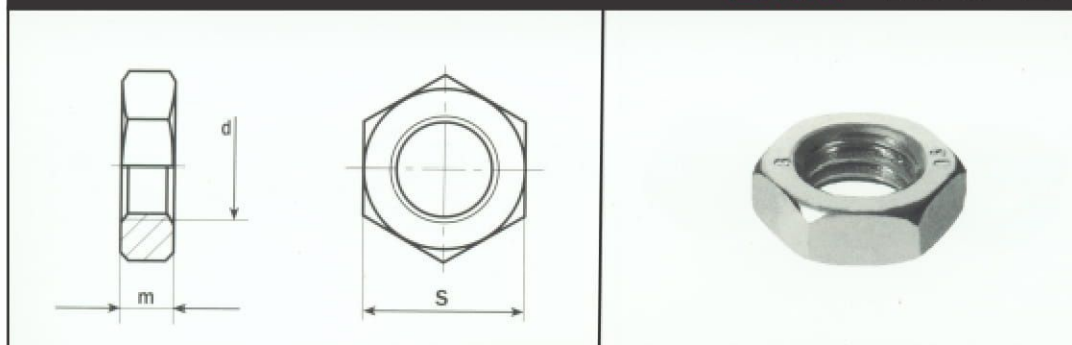
DIN 127-B



Spring lock washers

d	M3	M4	M5	M6	M7	M8	M10	M12
d1 (min)	3,1	4,1	5,1	6,1	7	8,1	10,2	12,2
d2 (max)	6,2	7,6	9,2	11,8	12,8	14,8	18,1	21,1
s	0,8	0,9	1,2	1,6	1,6	2	2,2	2,5

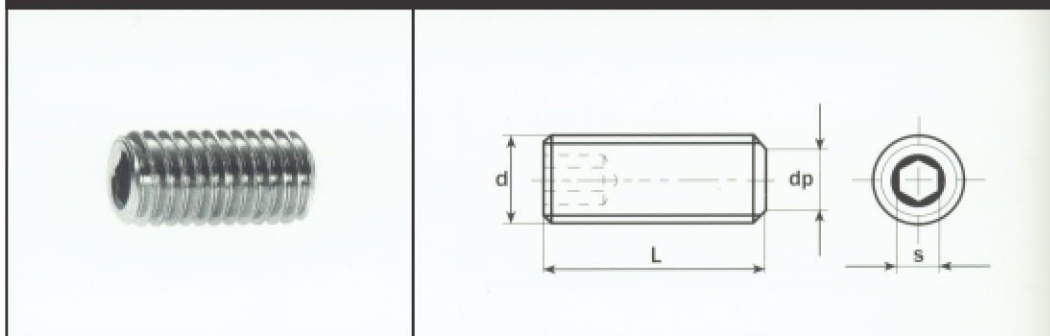
DIN 439-B



Hexagon thin nuts

d	M3	M4	M5	M6	M8	M10	M12	M14
P	0,5	0,7	0,7	1	1,25	1,5	1,75	2
m	1,8	2,2	2,2	3,2	4	5	6	7
s	5,5	7	7	10	13	17/16*	19/18*	22/11*

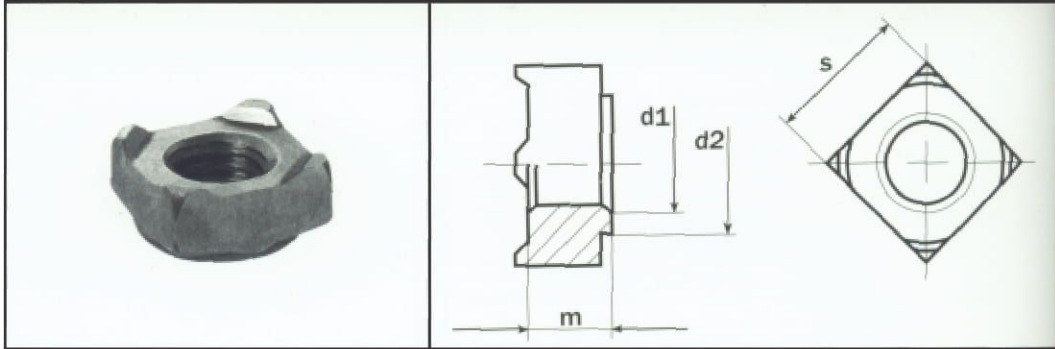
DIN 913



Hexagon socket set screws with flat point

d	M3	M4	M5	M6	M8	M10	M12	M16	M20	M24
P	0,5	0,7	0,8	1	1,25	1,5	1,75	2	2,5	3
dp (max)	2	2,5	3,5	4	5,5	7	8,5	12	15	18
s	1,5		2,5	3	4	5	6	8	10	12

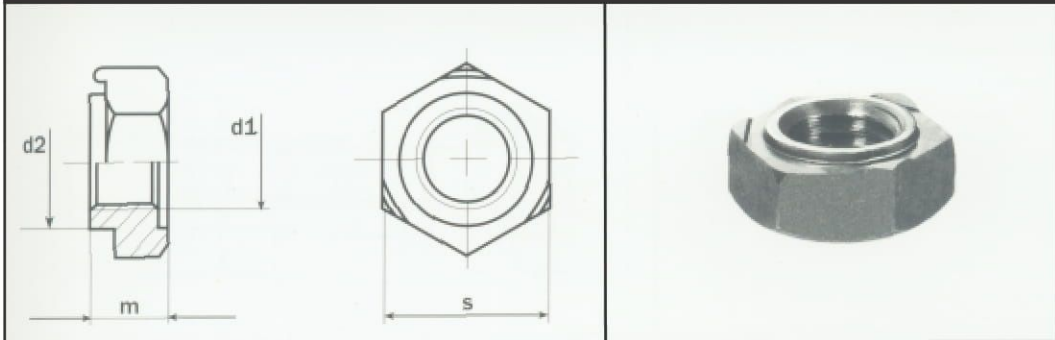
DIN 928



Square weld nuts

d ₁	M4	M5	M6	M8	M10	M12	M14	M16
P	0,7	0,8	1	1,25	1,5	1,75	2	2
m (h14)	3,5	4,2	5	6,5	8	9,5	12	13
s (h14)	7	9	10	14	17	19	22	24
d ₂ / Hole Ø (H11)	6	7	8	10,5	12,5	14,8	16,8	18,8

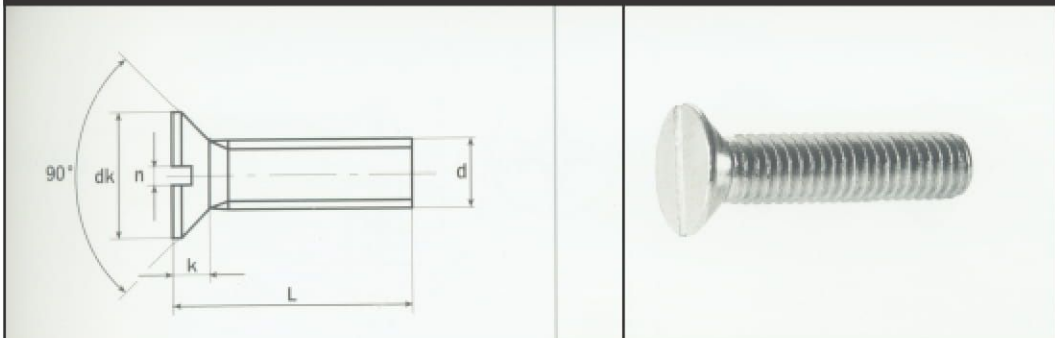
DIN 929



Hexagon weld nuts

d ₁	M3	M4	M5	M6	M8	M10	M12	M14	M16
P	0,5	0,7	0,8	1	1,25	1,5	1,75	2	2
m (h14)	3	3,5	4	5	6,5	8	10	11	13
s (h13)	7,5	9	10	11	14	17	19	22	24
d ₂ / Hole Ø (H11)	4,5	6	7	8	10,5	12,5	14,8	16,	18,8

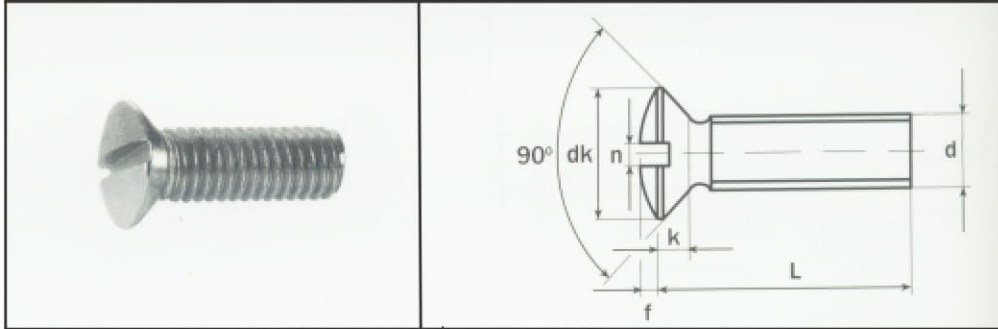
DIN 963



Slotted countersunk head screws

d ₁	M3	M4	M5	M6	M8	M10
P	0,5	0,7	0,8	1	1,25	1,5
dk	5,6	7,5	9,2	11	14,5	18
K (max)	1,65	2,2	2,5	3	4	5
n	0,8	1	1,2	1,6	2	2,5

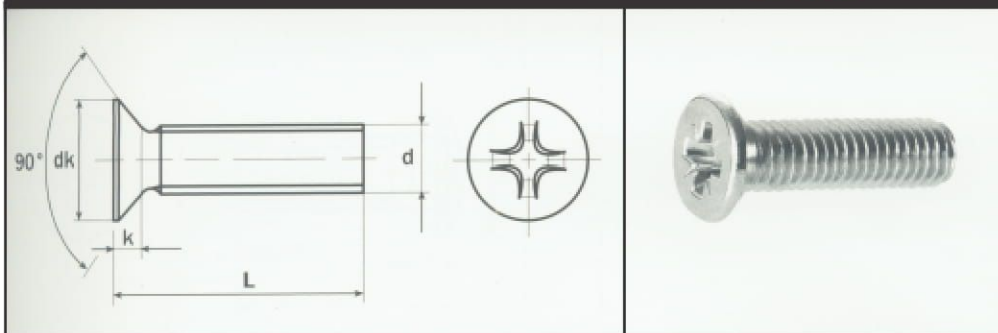
DIN 964



Slotted raised countersunk head screws

d	M3	M4	M5	M6	M8
P	0,5	0,7	0,8	1	1,25
dk	5,6	7,5	9,2	11	14,5
k (max)	1,65	2,2	2,5	3	4
f ≈	0,75	1	1,25	1,5	2
n	0,8	1	1,2	1,6	2

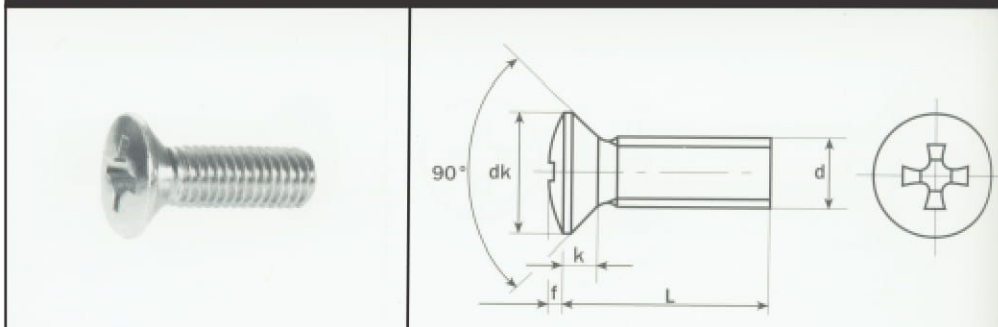
DIN 965



Cross recessed countersunk head screws

d	M3	M4	M5	M6	M8
P	0,5	0,7	0,8	1	1,25
dk	5,6	7,5	9,2	11	14,5
k (max)	1,65	2,2	2,5	3	4
Nr. Phillips (H)	1	2	2	3	4

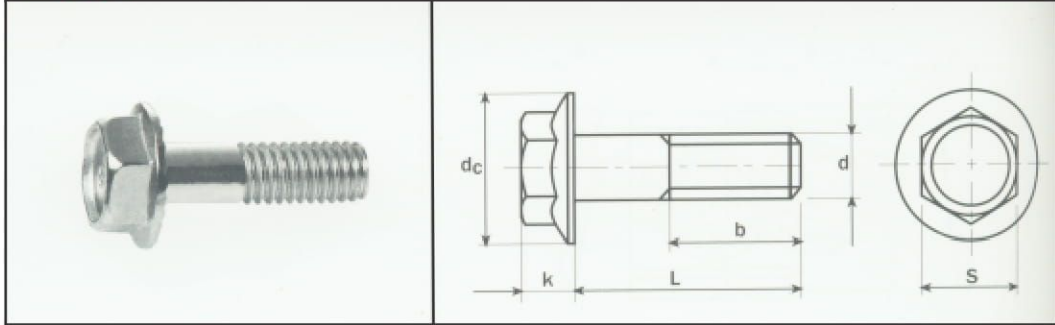
DIN 966



Cross recessed raised countersunk head screws

d	M3	M4	M5	M6	M8
P	0,5	0,7	0,8	1	1,25
dk	5,6	7,5	9,2	11	14,5
k (max)	1,65	2,2	2,5	3	4
f ≈	0,75	1	1,25	1,5	2
Nr. Phillips (H)	0,8	1	1,2	1,6	2

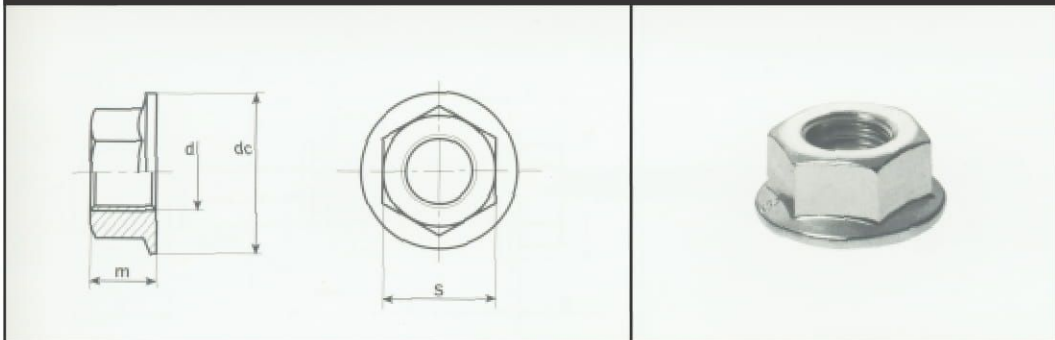
DIN 6921



Hexagon flange bolts

d	M5	M6	M8	M10	M12	M14	M16	M20
P	0,8	1	1,25	1,5	1,75	2	2	2,5
b	16	18	22	26	30	34	38	46
k (max)	5,40	6,6	8,1	9,2	11,5	12,8	14,4	17,1
s \approx	8	10	13	15	16	18	21	27
d _c	11,8	14,2	18	22,3	26,6	30,5	35	43

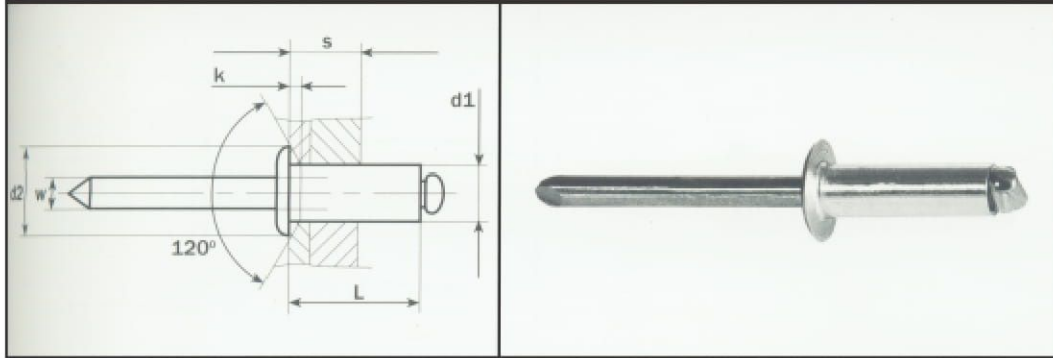
DIN 6923



Hexagon flange nuts

d	M5	M6	M8	M10	M12	M16	M16	M20
P	0,8	1	1,25	1,5	1,75	2	2	2,5
m	5	6	8	10	12	14	16	20
s	8	10	13	15	18	21	24	30
d _c	11,8	14,2	17,9	21,8	26	29,9	34,5	42,8

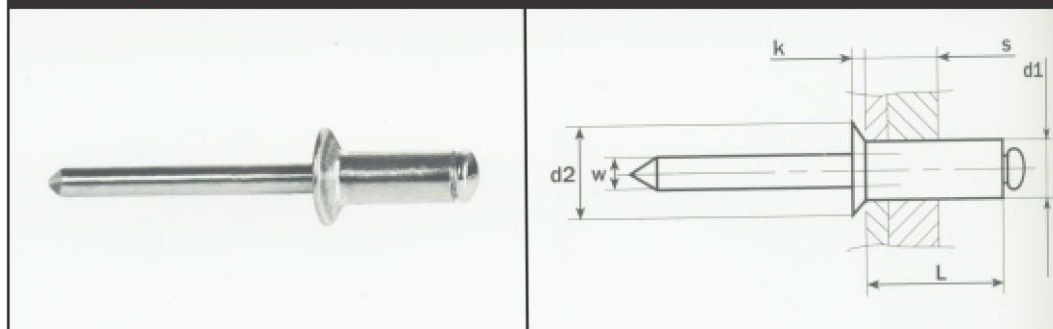
DIN 7337-A



Domed head blind rivets

d ₁	2,4	3,0	3,2	4,0	4,8	5,05	6,06	6,4
d ₂	5	6,5	6,5	8	9,5	9,5	12	13
k	0,55	0,8	0,8	1	1,1	1,1	1,5	1,8
Drillø	2,5	3,1	3,2	4,1	4,9	5,1	6,1	6,5
w	1,45	1,8	1,8	2,2	2,75	2,75	3,2	3,6

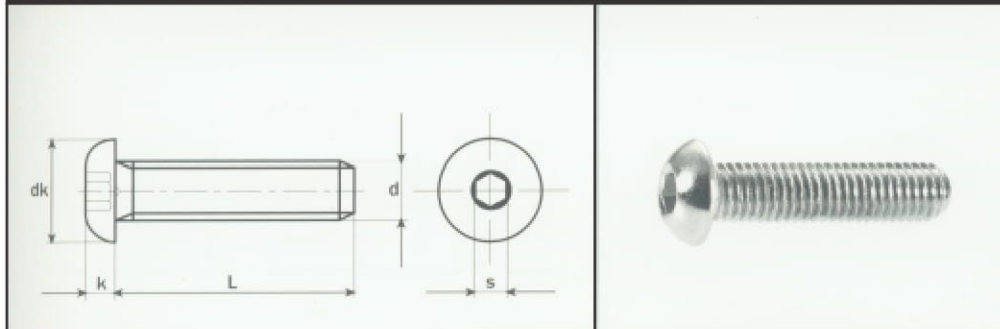
DIN 7337-B



Countersunk head blind rivets

d ₁	3	3,2	4,0	4,8	5,0
d ₂	6	6	7,5	9	9
k	0,90	0,9	1	1,20	1,2
Drillø	3	3,3	4,1	4,90	4,9
w	1,8	1,8	2,2	2,75	2,75

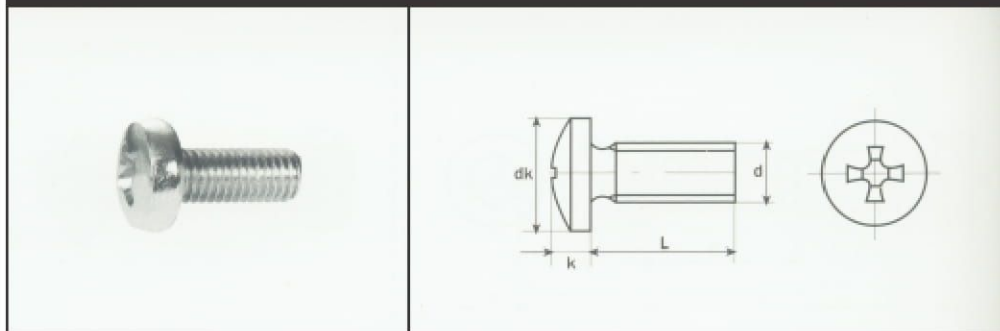
DIN 7380



Hexagon socket button head screws

d _t	M3	M4	M5	M6	M8	M10	M12	M16
P	0,5	0,7	0,8	1	1,25	1,5	1,75	2
dk (max)	5,7	7,6	9,5	10,5	14	17,5	21	28
k (max)	1,65	2,2	2,75	3,3	4,4	5,5	6,6	8,8
s	2	2,5	3	4	5	6	8	10

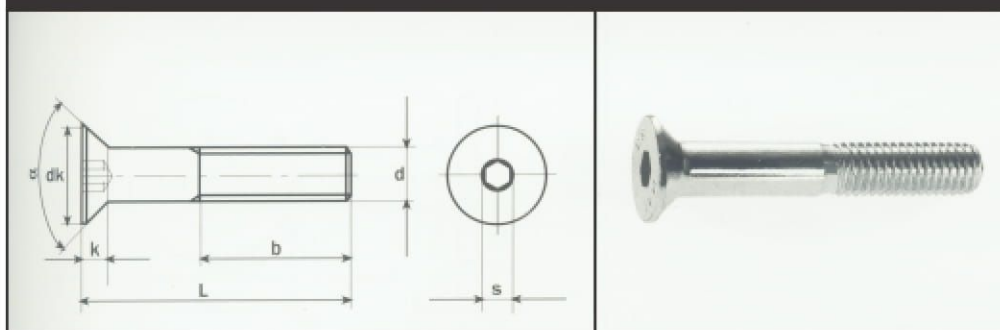
DIN 7985



Cross recessed raised cheese head screws

d _t	M3	M4	M5	M6	M8
P	0,5	0,7	0,8	1	1,25
dk	5,7	8	10	12	16
k	2,4	3,1	3,8	4,6	6
Nr. Phillips (H)	1	2	2	3	4

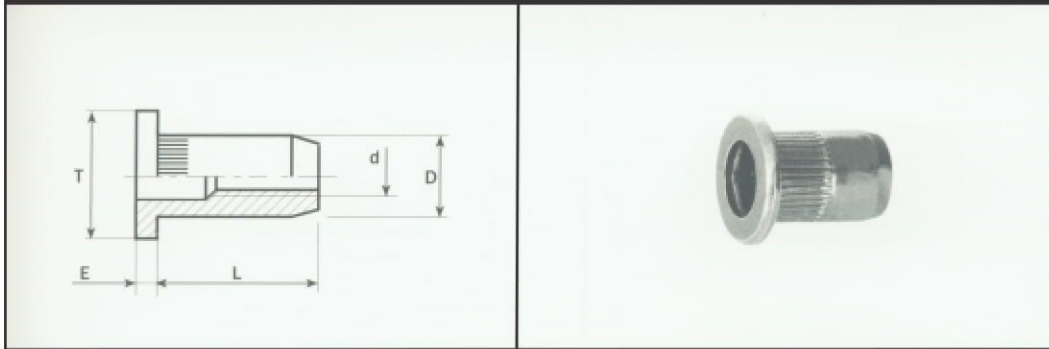
DIN 7991



Hexagon socket countersunk head screws

d	M3	M4	M5	M6	M8	M10	M12	M16	M20
P	0,5	0,7	0,8	1	1,25	1,5	1,75	2	2,5
b*	12	14	16	18	22	26	30	38	46
dk	6	8	10	12	16	20	24	30	36
k (max)	1,7	2,3	2,8	3,3	4,4	5,5	6,5	7,5	8,5
a	90	90	90	90	90	90	90	90	90
s	2	2,5	3	4	5	6	8	10	12

NUT INSERTS

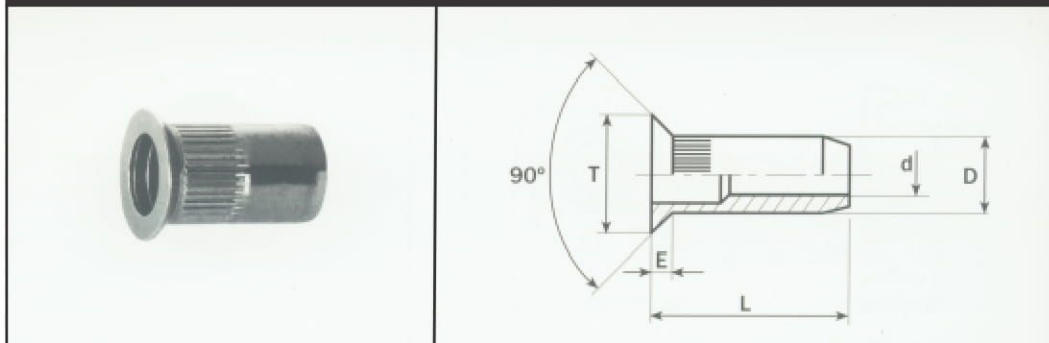


Blind rivet nuts with cylindrical Head

d pulgada / inch-mm	M3	M4	M5	M5	M5	M6
Grip Range	0,25-2,00	0,25-3,00	3,00-4,50	0,25-3,00	3,00-4,40	0,50-3,00
D	5,00	6,00	6,00	7,00	7,00	9,00
E	1,00	1,00	1,00	1,00	1,00	1,50
T	7,50	9,00	9,00	10,00	10,00	13,00
L	10,75	10,50	13,25	13,00	16,00	16,00

d pulgada / inch-mm	M6	M8	M8	M10	M10
Grip Range	3,00-5,50	0,50-50,3,00	3,00-5,00	0,50-3,5	3,50-6,00
D	9,00	11,00	11,00	13,00	13,00
E	1,50	1,50	1,50	2,00	2,00
T	13,00	16,00	16,00	19,00	19,00
L	18,00		20,00	21,50	23,50

NUT INSERTS



Blind rivet nuts with countersunk head

d pulgada / inch-mm	M4	M5	M6	M8
Grip Range	1,50-3,00	1,50-4,00	1,50-4,00	1,50-4,00
D	6,00	7,00	9,00	11,00
E	1,50	1,50	1,50	1,50
T	9,00	10,00	12,00	14,00
L	13,00	14,50	17,50	20,50

Sheet Metal Fasteners



Self Clinch Fasteners *(for installation into sheet up to HRB70 max)*

NUT



STUD



THROUGH STANDOFF



BLIND STANDOFF



FRESH NUT



BLIND NUT



FRESH NUT



STUD for min. Sheet 0,51mm



HIGH STRENGTH STUD



FLOATING NUT (non locking)



FLOATING NUT (locking)



CLIP ON STANDOFFS



KEYHOLE STANDOFFS



GRINDING STANDOFFS



SCREWLOCKS STANDOFF



Panel Fasteners

SLOTTED LOW PROFILE



SLOTTED



RECESS



RECESS



Self Clinch Fasteners *(for installation into sheet up to HRB90 max)*

NUT



STUD



THROUGH STANDOFF



BLIND STANDOFF



Self Clinch Fasteners for blind holes

BOLT (Min. 1.6mm)



BOLT (Min. 2.4mm)



STANDOFF (Min. 1.6mm)



STANDOFF (Min. 2.4mm)



Rivet Products

ROUND SERRATED SPIGOT



ROUND MINI



HEXAGONAL



SWAGE NUT



ROUND STANDOFF



MINI STANDOFF



ROUND SERRATED FACE



LOCK ROUND



LOCK HEXAGONAL



TANK BUSH



Self Clinch Fasteners for PC board

BROACHING NUTS



STUDS



BROACHING STANDOFFS



CLIP-IN STANDOFFS





WE AT PRECISE

We always strive to meet the exacting standards of quality for our products, which are as per accepted International standards. We supply better quality and better value for money to our customers using best quality control, state of the art machines, technology, trained manpower coupled with cost effectiveness that will sustain our future growth.

Today we are one of the leading manufacturers, exporters and stockists of stainless steel, carbon steel, alloy steel in the shape of Pipes, Tubes, Rods, Sheets, Plates, Wires, Angles, Coils, Strips and entire range of Butt-weld and Socket-weld pipe fittings supplying to various core industries like

- * Refineries & Petrochemicals
- * Oil & Gas
- * Chemicals & Fertilisers
- * Cement
- * Engineering
- * Construction
- * Sugar
- * Nuclear & Thermal
- * Paper & Pulp
- * Ship Building

We are also certified and approved by many third party inspection agencies.

Flanges

Standard	: LBS : 150#, 300#, 600#, 900#, 1500# & 2500#
Table	: ASA 150 & ASA 300 - D, E, F, H, DIN : NID-6, 10, 16, 25, 40 etc.
Type	: Weld Neck (WNRF), Socket Weld (SWRF), Slip on (SORF), Blind (BLRF), Screwed (Threaded) Long Weld Neck (LWNRF), Lapped Joint, Reducing, Spectacle Blind
Stainless Steel Flanges	: ASTM A 240 / 182 F-304 / 304H / 3041, 361 / 316H / 316L / 316 Ti, 309, 310, 317L, 321, 347, 904L etc.
Duplex Steel Flanges	: ASTM A 182 - F 51 UNS S 31803, S32750, S31500
Carbon Steel Flanges	: ASTM 182, ASTM 694 - F 42, F 46, F 52, F 60 F 70
LTCS Flanges	: A-350, Lf2, A516, Gr. 70
Alloy Steel Flanges	: ASTM A 182 - F5, F9, F11, F12, F21, F22 & F91
Cu-Ni Flanges	: C70400, C70600, (90:10), C71000, C71500 (70:30), C71640
Monel & Nickel Flanges	: UNS N04400, N05500, UNS 02200, N02201
Inconel Flange	: UNS N06600, N06625, N08800, N08810, N08825
Copper Alloy & All Flanges	: C2800, C36500, C46400, ASTM 6061, 6063, 6351



Buttweld Fittings

Thickness	: Sch 5, 10, 20, 30, 40, 60, 80, 100, 120, 140, 160, STD, X, Xx5
Dimension	: ANSI B 16.9, MSS-SP-43
Type	: Elbow LR & SR - 45, Deg. 90 Deg. & 180 Deg. Tee - Barred, Equal, Reducing Reducer - Concentric & Eccentric, Nipple - Swags & Barrel, Stubbed-Long & Short, U Bend, Endcap, Laterals.
Stainless Steel Fitting	: ASTM A 403 WP - TP 304 / 304 H / 304 L 316 / 316H/316L/316Ti, 309, 310, 317L, 321, 347, 904 L etc.
Duplex Fitting	: ASTM A 234 WP 5, Wp9, Wp11, Wp12, Wp22 & Wp91
Carbon Steel Fitting	: ASTM A 234 WPB
LTCS Fitting	: ASTM A - 420 WPL6
Inconel Fitting	: UNS N06600, N06601, N06625, N08800, N08810, N08825, N06601
Non Ferrous Fitting	: Copper, Brass, Aluminium
Specialise	: IBR Fittings, Barred Tee, Customized etc.

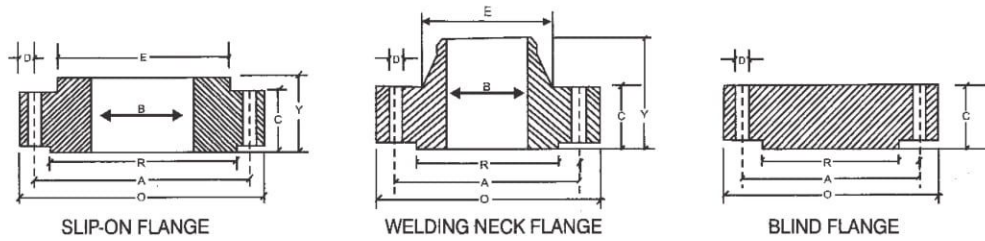


Forged Fittings

Type	: Elbow, Tee, Union, Cross, Swage, Nipples, Coupling, CAP, Plug, Reducer, Weldolet, Thredolet, Bushing Boss
Stainless Steel Fitting	: ASTM A 182 F - 304 / 304 H / 304L, 316 / 316H / 316L / 316Ti, 309, 310, 317L, 321, 347, 904L etc.
Duplex Steel Fitting	: ASTM A 182-F 51 UNSS S31803, S32750, S31500
Carbon Steel Fitting	: STM A-105, IS 1239 Part II
LTCS Fitting	: A-350 Lf2
Alloy Steel Fitting	: ASTM A 182-F9, F9, F11, F12, F21, F22, F91
Cu-Ni Fitting	: C70400, C70600, (90:10), C71000, C71500 (70:30) C71640
Nickel Fitting	: UNS N02200, N02201
Inconel Fitting	: UNS N06600, N06601, N06625, N08800, N08810, N08825
Hastelloy Fitting	: UNS N 10276, N06022, N10665, N06455
Titanium Fitting	: Gr. 1,2,3, DIN 3, 7025, DIN3, 7035, DIN 3, 7055
Copper Alloy Fittin	: Cs800, C36500, C46400
Aluminium Fitting	: ASTM 6061, 6063, 6351



DIMENSIONS OF FORGED FLANGES ANSI B 16.5



ASA 150 CLASS

Nominal Pipe Size		Flange Dia	Dia of Bolt Circle	Dia of Bolt Holes	No. of Holes	Thk of Flange	Dia of Hub	Length Through Hub			Dia of Bore		Dia of R/F	Depth of Socket	Pipe Dia
								S/O & S/W	W/N	L/J	S/O & S/W	L/J			
(MM)	(INCH)	O	A	D		C	E	Y	Y	Y	B	B	R	F	X
15	1/2	88.9	60.3	15.9	4	11.1	30.2	15.9	47.6	15.9	22.3	22.9	34.9	9.5	21.33
20	3/4	98.4	69.8	15.9	4	12.7	38.1	15.9	52.4	15.9	27.7	28.2	42.9	11.1	26.67
25	1	107.9	79.4	15.9	4	14.3	49.2	17.5	55.6	17.5	34.5	35.0	50.8	12.7	33.40
32	1 1/4	117.5	88.9	15.9	4	15.9	58.7	20.6	57.1	20.6	43.2	43.7	63.5	14.3	42.16
40	1 1/2	127.0	98.4	15.9	4	17.5	65.1	22.2	61.9	22.2	49.5	50.0	73.0	15.9	48.26
50	2	152.4	120.6	19.0	4	19.0	77.8	25.4	63.5	25.4	62.0	62.5	92.1	17.5	60.31
65	2 1/2	177.8	139.7	19.0	4	22.2	90.5	28.6	69.8	28.6	74.7	75.4	104.8	19.0	73.02
80	3	190.5	152.4	19.0	4	23.8	107.9	30.2	69.8	30.2	90.7	91.4	127.0	20.6	88.90
100	4	228.6	190.5	19.0	8	23.8	134.9	33.3	76.2	33.3	116.1	116.8	157.2	23.8	114.30
125	5	254.0	215.9	22.2	8	23.8	163.5	36.5	88.9	36.5	143.8	144.5	185.7	23.8	141.30
150	6	279.4	241.3	22.2	8	25.4	192.1	39.7	88.9	39.7	170.7	171.4	215.9	27.0	168.27
200	8	342.9	298.4	22.2	8	28.6	246.1	44.4	101.6	44.4	221.5	222.2	269.9	31.7	219.07
250	10	406.4	361.9	25.4	12	30.2	304.8	49.2	101.6	49.2	276.3	277.4	323.8	33.3	273.05
300	12	482.6	431.8	25.4	12	31.8	365.1	55.6	114.3	55.6	327.1	328.2	381.0	39.7	323.85
350	14	533.4	476.2	28.6	12	34.9	400.0	57.1	127.0	79.4	359.1	360.2	412.7	41.3	355.60
400	16	596.9	539.7	28.6	16	36.5	457.2	63.5	127.0	87.3	410.5	411.2	469.9	44.4	406.40
450	18	635.0	577.8	31.7	16	39.7	504.8	68.3	139.7	96.8	461.8	462.3	533.4	49.2	457.20
500	20	698.5	635.0	31.7	20	42.9	558.8	73.0	144.5	103.2	513.1	514.3	584.2	54.0	508.00
600	24	812.8	749.3	34.9	20	47.6	663.6	82.5	152.4	111.1	615.9	615.9	692.1	63.5	609.60

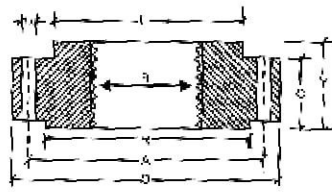
All Dimensions are in Millimeters. Flanges except Lap joint will be furnished with (1.6mm) Raised Face, which is included in Thickness (C) and Length through Hub(Y)

ASA 300 CLASS

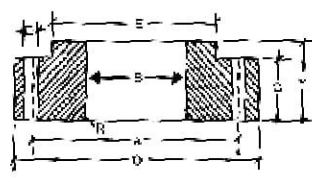
Nominal Pipe Size		Flange Dia	Dia of Bolt Circle	Dia of Bolt Holes	No. of Holes	Thk of Flange	Dia of Hub	Length Through Hub			Dia of Bore		Dia of R/F	Depth of Socket	Pipe Dia
								S/O & S/W	W/N	L/J	S/O & S/W	L/J			
(MM)	(INCH)	O	A	D		C	E	Y	Y	Y	B	B	R	F	X
15	1/2	95.2	66.7	15.9	4	14.3	38.1	22.2	52.4	22.2	22.3	22.9	34.9	9.5	21.33
20	3/4	117.5	82.5	19.0	4	15.9	47.6	25.4	57.1	25.4	27.7	28.2	42.9	11.1	26.67
25	1	123.8	88.9	19.0	4	17.5	54.0	27.0	61.9	27.0	34.5	35.0	50.8	12.7	33.40
32	1 1/4	133.3	98.4	19.0	4	19.0	63.5	27.0	65.1	27.0	43.2	43.7	63.5	14.3	42.16
40	1 1/2	155.6	114.3	22.2	4	20.6	69.8	30.2	68.3	30.2	49.5	50.0	73.0	15.9	48.26
50	2	165.1	127.0	19.0	8	22.2	84.1	33.3	69.8	33.3	62.0	62.5	92.1	17.5	60.31
65	2 1/2	190.5	149.2	22.2	8	25.4	100.0	38.1	76.2	38.1	74.7	75.4	104.8	19.0	73.02
80	3	209.5	168.3	22.2	8	28.6	117.5	42.9	79.4	42.9	90.7	91.4	127.0	20.6	88.90
100	4	254.0	200.0	22.2	8	31.8	146.0	47.6	85.7	47.6	116.1	116.8	157.2	23.8	114.30
125	5	279.4	234.9	22.2	8	34.9	177.8	50.8	98.4	50.8	143.8	144.5	185.7	-	141.30
150	6	317.5	269.9	22.2	12	36.5	206.4	52.4	98.4	52.4	170.7	171.4	215.9	-	168.27
200	8	381.0	330.2	25.4	12	41.3	260.3	61.9	111.1	61.9	221.5	222.2	269.9	-	219.07
250	10	444.5	387.3	28.6	16	47.6	320.7	66.7	117.5	95.2	276.3	277.4	323.8	-	273.05
300	12	520.7	450.8	31.7	16	50.8	374.6	73.0	130.2	101.6	327.1	328.2	381.0	-	323.85
350	14	584.2	514.3	31.7	20	54.0	425.4	76.2	142.9	111.1	359.1	360.2	412.7	-	355.60
400	16	647.7	571.5	34.9	20	57.2	482.6	82.5	146.0	120.6	410.5	411.2	469.9	-	406.40
450	18	711.2	628.5	34.9	24	60.3	533.4	88.9	158.7	130.2	461.8	462.3	533.4	-	457.20
500	20	774.7	685.8	34.9	24	63.5	587.4	95.2	161.9	139.7	513.1	514.3	584.2	-	508.00
600	24	914.4	812.8	41.3	24	69.8	701.7	106.4	168.3	152.4	615.9	615.9	692.1	-	609.60

All Dimensions are in Millimeters. Flanges except Lap joint will be furnished with (6.35mm) Raised Face, which is included in Thickness (C) and Length through Hub(Y)

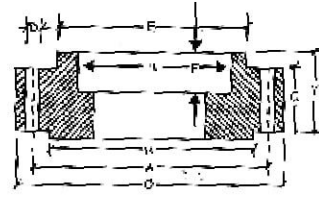
DIMENSIONS OF FORGED FLANGES ANSI B 16.5



THREADED FLANGES



LAP JOINT FLANGES



SOCKET WELD FLANGES

ASA 600 CLASS

Nominal Pipe Size (MM)	Flange Dia O	Dia of Bolt Circle A	Dia of Bolt Holes D	No. of Holes	Thk of Flange C	Dia of Hub E	Length Through Hub			Dia of Bore		Dia of R/F R	Depth of Socket F	Pipe Dia X
							S/O & S/W Y	W/N Y	L/J Y	S/O & S/W B	L/J B			
15	95.2	66.7	15.9	4	14.3	38.1	22.2	52.4	22.3	22.3	22.8	34.9	9.5	21.33
20	117.5	82.5	19.0	4	15.9	47.6	25.4	57.1	25.4	27.7	28.1	42.9	11.1	26.67
25	123.8	88.9	19.0	4	17.5	54.0	27.0	61.9	26.9	34.5	35.0	50.8	12.7	33.40
32	133.3	98.4	19.0	4	20.6	63.5	28.6	66.7	28.4	43.2	43.6	63.5	14.2	42.16
40	155.6	114.3	22.2	4	22.2	69.8	31.7	69.8	31.7	49.5	50.0	73.0	15.8	48.26
50	165.1	127.0	19.0	8	25.4	84.1	36.5	73.0	36.5	62.0	62.4	92.1	17.4	60.31
65	190.5	149.2	22.2	8	28.6	100.0	41.3	79.4	41.1	74.7	75.4	104.8	19.0	73.02
80	209.5	168.3	22.2	8	31.8	117.5	46.0	82.5	45.9	90.7	91.4	127.0	-	88.90
100	273.0	215.9	25.4	8	38.1	152.4	54.0	101.6	53.8	116.1	116.8	157.2	-	114.30
125	330.2	266.7	28.6	8	44.4	188.9	60.3	114.3	60.4	143.8	144.5	185.7	-	141.30
150	355.6	292.1	28.6	12	47.6	222.2	66.7	117.5	66.5	170.7	171.4	215.9	-	168.27
200	419.1	349.2	31.7	12	55.6	273.0	76.2	133.3	76.2	221.5	222.2	269.9	-	219.07
250	508.0	431.8	34.9	16	63.5	342.9	85.7	152.4	111.2	276.3	277.4	323.8	-	273.05
300	558.8	488.9	34.9	20	66.7	400.0	92.1	155.6	117.3	327.1	328.2	381.0	-	323.85
350	603.2	527.0	38.1	20	69.9	431.8	93.7	165.1	127.0	359.1	360.1	412.7	-	355.60
400	685.8	603.2	41.3	20	76.2	495.3	106.4	177.8	139.7	410.5	411.2	469.9	-	406.40
450	742.9	654.0	44.4	20	82.6	546.1	117.5	184.1	152.4	461.8	462.3	533.4	-	457.20
500	812.8	723.9	44.4	24	88.9	609.9	127.0	190.5	165.1	513.1	514.3	584.2	-	508.00
600	939.8	838.2	50.8	24	101.6	717.5	139.7	203.2	184.1	615.9	615.9	692.1	-	609.60

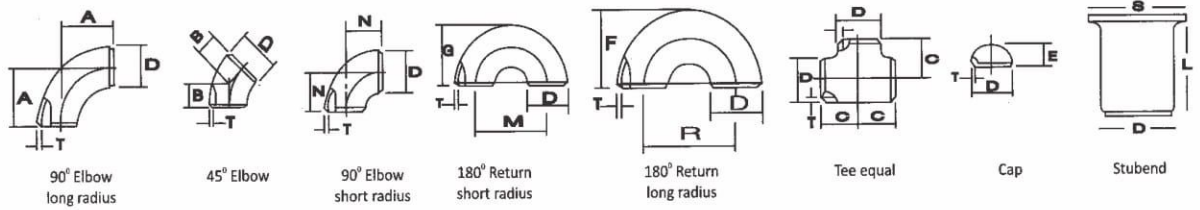
All Dimensions are in Millimeters. Flanges except Lap joint will be furnished with (6.35mm) Raised Face, which is included in Thickness (C) and Length through Hub(Y)

ASA 900 CLASS

Nominal Pipe Size (MM)	Flange Dia O	Dia of Bolt Circle A	Dia of Bolt Holes D	No. of Holes	Thk of Flange C	Dia of Hub E	Length Through Hub			Dia of Bore		Dia of R/F R	Depth of Socket F	Pipe Dia X
							S/O & S/W Y	W/N Y	L/J Y	S/O & S/W B	L/J B			
15	120.6	82.5	22.2	4	22.2	38.1	31.7	60.3	31.7	22.3	22.8	34.9	9.5	21.33
20	130.2	88.9	22.2	4	25.4	44.4	34.9	69.8	35.0	27.7	28.1	42.9	11.1	26.67
25	149.2	101.6	25.4	4	28.6	52.4	41.3	73.0	41.1	34.5	35.0	50.8	12.7	33.40
32	158.7	111.1	25.4	4	28.6	63.5	41.3	73.0	41.1	43.2	43.6	63.5	14.2	42.16
40	177.8	123.8	28.6	4	31.8	69.8	44.4	82.5	44.4	49.5	50.0	73.0	15.8	48.26
50	215.9	165.1	25.4	8	38.1	104.8	57.1	101.6	57.1	62.0	62.4	92.1	17.4	60.31
65	244.5	190.5	28.6	8	41.3	123.8	63.5	104.8	63.5	74.7	75.4	104.8	19.0	73.02
80	241.3	190.5	25.4	8	38.1	127.0	53.9	101.6	53.8	90.7	91.4	127.0	-	88.90
100	292.1	234.9	31.7	8	44.4	158.7	69.8	114.3	69.8	116.0	116.8	157.2	-	114.30
125	349.2	279.4	35.0	8	50.8	190.5	79.3	127.0	79.2	143.7	144.5	185.7	-	141.30
150	381.0	317.5	31.7	12	55.6	234.9	85.8	139.7	85.8	170.6	171.4	215.9	-	168.27
200	469.9	393.7	38.1	12	63.5	298.4	101.6	162.0	114.3	221.4	222.2	269.9	-	219.07
250	546.1	469.9	38.1	16	69.8	368.3	107.9	184.1	127.0	276.3	277.3	323.8	-	273.05
300	609.6	533.4	38.1	20	79.3	419.1	117.4	200.0	142.7	327.1	328.2	381.0	-	323.85

All Dimensions are in Millimeters. Flanges except Lap joint will be furnished with (6.35mm) Raised Face, which is included in Thickness (C) and Length through Hub(Y)

BUTT WELDING PIPE FITTING DIMENSIONAL STANDARD ANSI B-16.9B, B-16.28

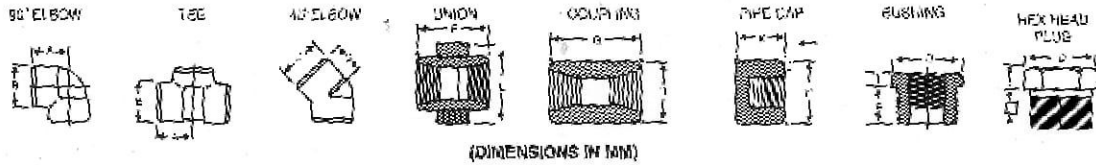


Nominal Pipe Size		Outside Diameter D	Center to Face				Back to Face			Center to Center			Length "L" MSS SP 43 B16.9	
INCH	MM		A R = 1.5D	B	C	N R = 1D	E	F	G	R	M	S	Short L	Long L
1/2	15	21.3	38.00	16.0	25.0	-	25.0	48.0	-	76.0		34.93	50.8	76.2
3/4	20	26.7	29.00	11.0	29.0	-	25.0	43.0	-	57.0		42.86	50.8	76.2
1	25	33.4	38.00	22.0	38.0	25.0	38.0	56.0	41.0	76.0	51.0	50.80	50.8	101.6
1 1/4	32	42.2	48.00	25.0	48.0	32.0	38.0	70.0	52.0	95.0	64.0	63.50	50.8	101.6
1.1/2	40	48.3	57.15	29.0	57.0	38.0	38.0	83.0	62.0	114.0	76.0	73.20	50.8	101.6
2	50	60.3	76.00	35.0	64.0	51.0	38.0	106.0	81.0	152.0	102.0	92.08	63.5	152.4
2.1/2	65	73.0	95.25	44.0	76.0	64.0	38.0	132.0	100.0	191.0	127.0	104.78	63.5	152.4
3	80	88.9	114.30	51.0	86.0	76.0	51.0	159.0	121.0	229.0	152.0	127.00	63.5	152.4
3.1/2	90	101.6	133.35	57.0	95.0	89.0	64.0	184.0	140.0	267.0	178.0	139.70	76.2	152.4
4	100	114.3	152.00	64.0	105.0	102.0	64.0	210.0	159.0	305.0	203.0	157.16	76.2	152.4
5	125	141.3	190.00	79.0	123.0	127.0	76.0	262.0	197.0	381.0	254.0	185.74	76.2	203.2
6	150	168.3	229.00	95.0	143.0	152.0	102.0	313.0	237.0	457.0	305.0	269.88	88.9	203.2
8	200	219.1	305.00	127.0	178.0	203.0	89.0	414.0	313.0	610.0	406.0	323.85	101.6	203.2
10	250	273.1	381.00	159.0	216.0	254.0	102.0	515.0	391.0	762.0	508.0	324.00	127.0	254.0
12	300	323.8	457.00	190.0	254.0	305.0	127.0	619.0	467.0	914.0	610.0	381.00	152.4	254.0
14	350	355.6	533.00	222.0	279.0	356.0	152.0	711.0	533.0	1067.0	711.0	412.75	152.4	305.0
16	400	406.4	610.00	254.0	305.0	406.0	165.0	813.0	610.0	1219.0	813.0	469.90	152.4	305.0
18	450	457.2	686.00	286.0	343.0	457.0	178.0	914.0	686.0	1372.0	914.0	533.40	152.4	305.0
20	500	508.0	762.00	318.0	381.0	508.0	203.0	1016.0	762.0	1524.0	1016.0	584.20	152.4	305.0
22	550	559.0	838.00	343.0	419.0	559.0	229.0	1118.0	838.0	1676.0	1118.0	692.15	152.4	305.0
24	600	610.0	914.00	381.0	432.0	610.0	254.0	1219.0	914.0	1829.0	1219.0	692.15	152.4	305.0
26	650	660.0	991.00	405.0	495.0	660.0	267.0							
28	700	711.0	1067.00	438.0	521.0	771.0	267.0							
30	750	762.0	1143.00	470.0	559.0	762.0	267.0							
32	800	813.0	1219.00	502.0	597.0	813.0	267.0							
34	850	864.0	1295.00	533.0	635.0	864.0	267.0							
36	900	914.4	1372.00	565.0	673.0	914.0	267.0							



All Dimensions in Millimeters

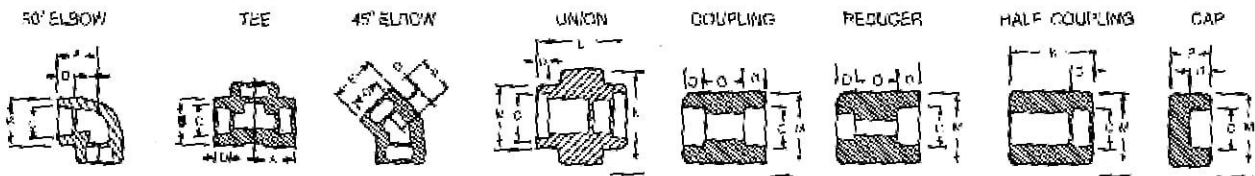
FORGED SCREWED FITTING TO ANSI B-16.11 3000/6000 LBS. THREADED TO ASA B 2.1



NOM. BORE	PIPE O.D.	3000 LBS						COMMON FACTORS						6000 LBS					
		A	B	C	G	H	K	D	E	F	I	J	L	A	B	C	G	H	K
1/8"	10.3	21	22	17	32	16	19	11	10	40	-	6	-	25	25	19	32	22	-
1/4"	13.7	25	25	19	35	19	25	16	11	43	3	6	32	29	33	22	35	25	27
3/8"	17.2	29	33	22	38	22	25	17.5	13	48	4	8	38	33	38	25	38	32	27
1/2"	21.3	33	38	25	48	29	32	22	15	51	5	8	46	38	46	29	48	38	33
3/4"	26.7	38	46	29	51	35	37	27	16	57	6	10	51	44	56	33	51	44	38
1"	33.4	44	56	33	60	44	41	35	19	64	6	10	60	51	62	35	60	57	43
1 1/4"	42.2	51	62	35	67	57	44	44.5	21	70	7	14	72	60	75	43	67	64	46
1 1/2"	48.3	60	75	43	79	64	44	51	21	79	8	16	80	64	84	44	79	76	48
2"	60.3	64	84	45	86	76	48	63.5	22	88	9	17	94	83	102	52	86	92	51
2 1/2"	73.02	83	102	52	92	92	60	76	27	118	10	21	122	95	121	64	92	108	64
3"	89.0	95	121	64	108	108	65	89	29	121	10	25	140	106	146	79	108	127	68
4"	114.5	114	152	79	121	140	68	117.5	32	150	13	25	180	114	152	79	121	159	75

Dimensions And Others Specifications As Per Customers Requirements Are Available On Request

SOCKET WELD FITTING TO ANSI B-16.11



NOM. BORE	PIPE O.D.	3000 LBS									COMMON FACTORS				6000 LBS.				
		A MAX.	B MAX.	K	J	L	M	N	P	Q	C MIN.	D MIN.	O. MIN.	O. MIN.	A	B	M	K	N
1/8"	10.3	22	18.5	26	16	40	17.3	32	15	10	10.7	10	5	8	22	22	20	25	46
1/4"	13.7	22	22	26	18	43	21.2	32	15	10	14.1	10	5	8	27	25	24	25	51
3/8"	17.2	25	25	26	19	48	25.4	36	16.5	10	17.6	10	3	9	27	28	28	26	60
1/2"	21.3	27	32	30	21	51	31	41	16.5	10	21.7	10	6	13	31	34	34	31	72
3/4"	26.7	34	38	36	24	57	37	50	19.5	13	27.0	13	6	13	37	42	41	35	80
1"	33.4	37	46	40	25	64	45.2	60	22.5	13	33.8	13	9	17	42	50	50	40	94
1 1/4"	42.2	42	56	40	29	70	55	70	22.5	13	42.6	13	9	17	47	59	58	41	100
1 1/2"	48.3	47	62	40	30	79	61.4	78	24	13	48.7	13	9	17	53	67	66	43	122
2"	60.3	56	75	52	37	89	75	95	29	13	61.2	16	15	23	59	84	83	55	
2 1/2"	73.02	60	92	52	48	114	91.3	125	32	16	73.8	16	14	24		102		56	
3"	89.0	76	110	52	51	127	108.8	140	35	16	89.8	16	14	24		121		58	
4"	114.5	88	137	58		150	136.9		42	19	115.5	19	14	24		152		64	

Available Standard

ANSI ISO IS SAE DIN ASTM BS JIS AS
AS Per Customer Specification

Plating selection

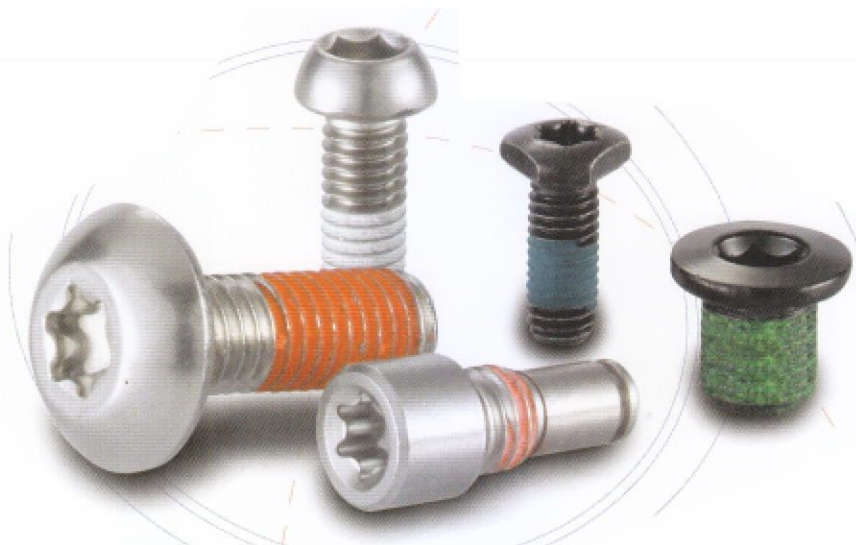
Types	Salt spray test (hrs)
Zinc	24-36
Yellow zinc	24-36
Black phosphate	24-36
Grey Phosphate	24-36
Dacromet	500-1000
Ruspert	500-3000
Mechanical galvanizing	500-1000
Mechanical galvanizing + coating	1000-1500
Nanoplating	1500-2000
Tufcode (Ruspert)	1500-2000

Available Finish

Self Colour (Plain) / Zinc (White/Blue/Yellow/Olive Green/Black)
Also available Trivalent Chrome (Cr+3) Plating / ROHS Compliant
Black Oxide / Nickle / Chrome / Brass / Antique Brass / Antique Bronze /
Copper / Tin / Cadmium / Lead

Hot Dip Galvanized / Zylan Coating
Mechanical Galvanized / Phosphate
Dacrodized / Delta Coating / E-Coating / Geomat
And

Coating adhesives / sealants on threading surfaces available



Available Packing

Gunny bags in bulk packing (about 20 – 25 Kgs)

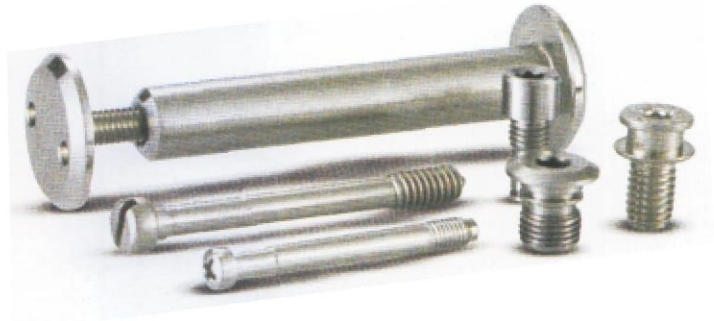
Carton packing (about 20 – 25 Kgs)

Poly bags and plastic box assortment as per customer request

Secondary Operations

For fasteners which require additional processes we are able to provide a wide range of facilities such as :

- Auto lathe & CNC machinings
- Chamferring
- Shank & head slotting
- Centerless grinding



Available Material :

Low Carbon Steel

High Carbon Steel / Boron Steel / Alloy Steel

Stainless Steel

Aluminum

Brass

Silicon Bronze

Copper

Exotic Metals

Zinc Alloy Die – Casting

Nylon (Polyamide)

PVC

Whilst sending your enquiry, kindly provide us with the following details to enable us to be more efficient in our service to you.

1. Description
2. Standard
3. Material
4. Size (Nominal Dia, length, Head Style, Point Style.... Etc)
5. Surface Treatment and Heat Treatment
6. Quantity
7. Delivery Requirement (Freight / Transportation)
8. Packing Requirement if any
9. Special Requirement if any
10. Drawing (If non standard screw) / sample



PRECISE

FASTENERS PVT. LTD.



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