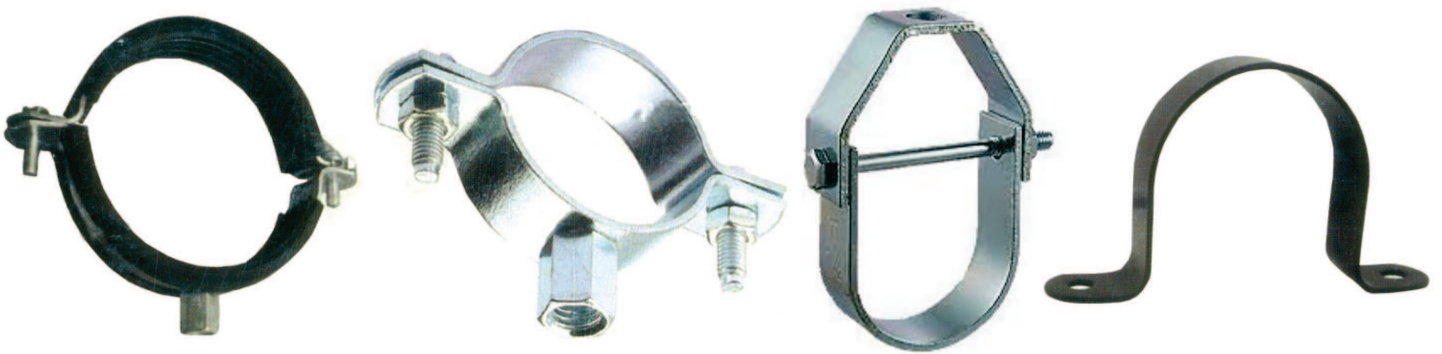




# KARISHMA STEEL

**AN ISO 9001 : 2015 CERTIFIED COMPANY**

**Manufacturer of : Steel Pipe Clamps, Sanitary Fittings  
& Hardware Items**



**QUALITY | DURABILITY | STANDARDS | VALUE**

Certificate



## Certificate of Registration

This is to certify that

### Karishma Steel

Plot No.182, Thani More, Opp. Escorts Railways Division, Mjessar,  
Sector-24, Faridabad, Haryana-121005, India

has been assessed and Certified by Otabu Certification Limited  
as meeting the requirements of:

**ISO 9001:2015**

**Quality Management System**

For the following scope of activities:

**Service Provider of Steel Sockets, Steel Pipes Clamps,  
Hardware Items, Sanitary Fittings**

Date of Registration	04 September 2018
1 <sup>st</sup> Surveillance Due	03 September 2019
2 <sup>nd</sup> Surveillance Due	03 September 2020
Recertification due (subject to the company maintaining its system to the required standard)	03 September 2021

Certificate Number: 180904606

Validity of this certificate can be verified at [www.otabucert.co.uk](http://www.otabucert.co.uk)



*John*  
Authorised Signatory

**Otabu Certification Limited (UK)**

*Validity of this Certificate is subject to Annual Surveillance audits done successfully*

*This Certificate of Registration remains the Property of Otabu Certification Limited and shall be returned immediately upon request.*

*Email:- [info@otabucert.co.uk](mailto:info@otabucert.co.uk) Website:- [www.otabucert.co.uk](http://www.otabucert.co.uk)*

*Suite 48, 88-90 Hatton Garden, London, EC1N 8PN, UK*





## Mission :

To be focused as pro-active exporter by anticipating & reacting to each stage of the growth process with commitment & endeavor. To Systematically climb experience strategic growth in the road path to achieve the position of a highly respected & recognized export company in the industry.

## Vision :

Karishma Steel's vision serves as the framework for our Roadmap and guides every aspect of our business by describing what we need to accomplish in order to continue achieving sustainable & quality based growth.

## Corporate :

We are acknowledged Government Registered Manufacturers and Exporters of clamps, based in Faridabad, New Delhi, India. Our factories are situated at Faridabad. Since 1992 we have satisfied our customers with our products and services which allowed them to make quality decisions. With a vast technical expertise spanning for our two decades Karishma Steel's offers a cutting edge solutions to a wide range of **various galvanized clamps, galvanized clevis hangers, bolts, pipe support systems, bath accessories etc.**

Karishma Steel's is one of india's leading manufacturer of pipe support systems. Karishma Steel offers a complete range of **support clamps, Nail Clamps (Hanging Clamps), A Clamps Sprinkler Hanger Clamps, Clevis Hangers and U Clamps.**

## Trusted name across international Shores :

Karishma Steel's lays immense importance on quality assurance procedure and consistent adherence to perfection in standards. It is this quality that guarantees Karishma Steel's Presence in international markets.

Our products are marketed in Gulf countries like UAE, Saudi Arabia, Oman, Qatar Kuwait etc. We have developed a favorable position in the middle eastern market.

This wide market presence speaks of high level of product quality and a commitment to the customer.

**Karishma Steel's products are listed by Underwriter's Laboratory Inc. (U.S.A) (UL) for fire sprinkler system installations.**

We are an ISO 9001 - 2015 Company & our Products are branded and marketed as **"Karishma"** Trade Mark.

## NOTICE

Karishma Steel's reserve the right to change the specification, material's prices or the availability of products at any time without prior notice. While effort has been made to assure the accuracy of information contained in this catalog at the time of publication, Karishma is not responsible for inaccuracies resulting from undetected errors or omissions.

## CLEVIS HANGER



### APPLICATION:

A CLEVIS HANGER provides for sizeable loads to be supported and for an elevation adjustment depending upon the pipe diameter. The lower nut adjusts the piping to the proper elevation and the upper nut, when locked into position, prevents loosening due to vibration.

### CONSTRUCTION:

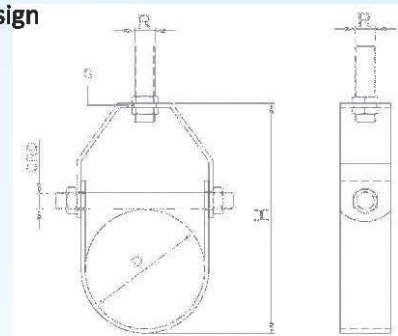
A CLEVIS HANGER consists of a yoke and a support strap made from shaped Mild steel strip and a joining bolt. 15° swing in either direction allows pipe to easily feed through. Pipe will not pinch when installing. Engineered design aligns bolt holes for quicker overhead installation.

### MATERIAL:

Mild Steel. Also other materials can be provided on request

### APPROVALS:

Underwriter's Laboratory (UL)



**MAXIMUM TEMPERATURE:** 343°C (650°F)

### FINISH AVAILABLE:

Electro-Galvanized, Hot Dip Galvanized, Epoxy, Plain.



Product Code	Nominal Pipe Size		Pipe OD (mm) D	Material Dimension (mm)		Hanger Rod Size (mm) R	Cross Bolt Dia. (CRD)	MAX LOAD (KG)
	In.	mm		Height H	op Hole Dia. S			
KS-CH-0.5	½"	DN15	21.3	68	11	M10	M8	350
KS-CH-0.75	¾"	DN20	26.7	72	11	M10	M8	350
KS-CH-0.1	1"	DN25	33.4	76	11	M10	M8	350
KS-CH-1.25	1 ¼"	DN32	42.1	87	11	M10	M8	350
KS-CH-1.5	1 ½"	DN40	48.2	97	11	M10	M8	350
KS-CH-0.2	2"	DN50	60.3	114	11	M10	M8	350
KS-CH-2.5	2 ½"	DN65	73.0	142	13	M12	M10	780
KS-CH-03	3"	DN80	88.9	165	13	M12	M10	780
KS-CH-04	4"	DN100	114.3	202	13	M12	M10	780
KS-CH-05	5"	DN125	141.3	236	13	M12	M12	1250
KS-CH-06	6"	DN150	168.3	278	13	M12	M12	1250
KS-CH-08	8"	DN200	219.1	338	13	M12	M12	2100
KS-CH-10	10"	DN250	273.1	419	17	M16	M16	2100
KS-CH-12	12"	DN300	323.8	490	21	M20	M20	2100
KS-CH-14	14"	DN350	355.6	556	21	M20	M20	3800
KS-CH-16	16"	DN400	406.4	610	25	M24	M20	3800
KS-CH-18	18"	DN450	457.2	675	25	M24	M24	4000
KS-CH-20	20"	DN500	508.0	715	32	M30	M24	4000
KS-CH-14	24"	DN600	609.6	850	32	M30	M24	9400
KS-CH-30	30"	DN750	762.0	995	32	M30	M24	9400

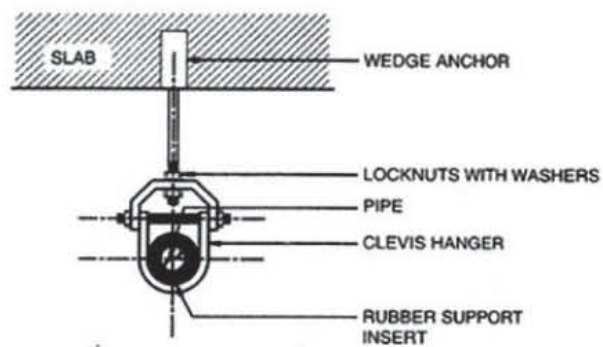
### Note :

Clevis Hanger of all Non Standard Sizes to fit upon Rubber Support Insert can be manufactured.

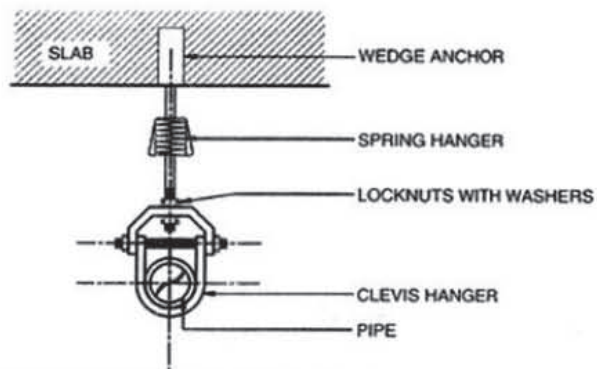


## INSTALLATION INSTRUCTION

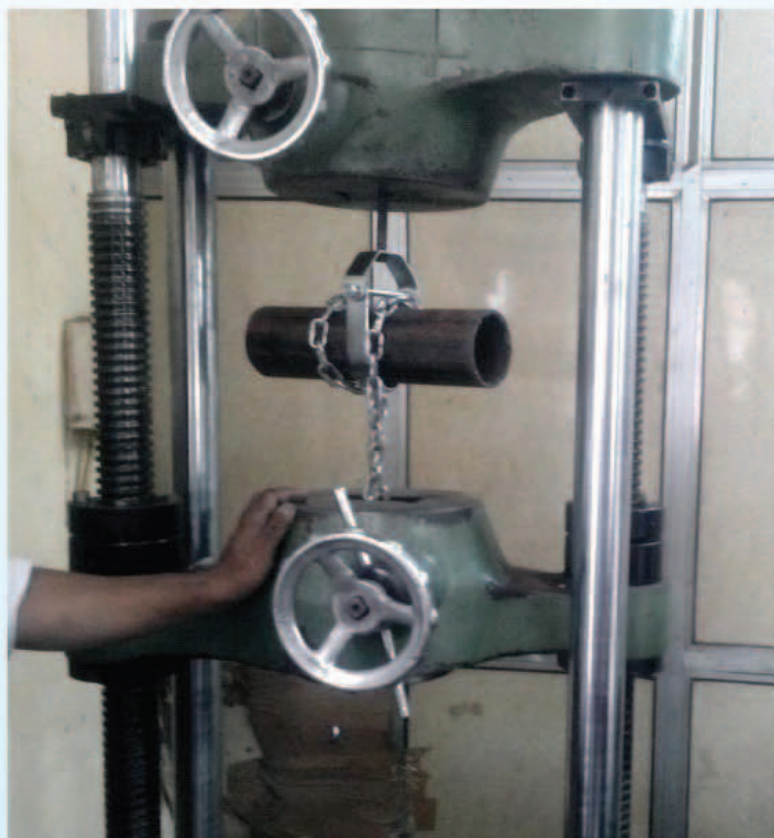
### CLEVIS HANGER



INSTALLATION OF INSULATED PIPES USING CLEVIS HANGER AND RUBBER SUPPORT INSERTS.



INSTALLATION OF STEEL PIPES USING CLEVIS HANGER AND SPRING HANGER



# SPRINKLER HANGER



## APPLICATION:

A SPRINKLER HANGER recommended to provide vertical support to non insulated piping systems. By adjusting the position of the sprinkler nut on the hanger rod at the top of the hanger, pipe elevation can be altered.

## CONSTRUCTION:

A SPRINKLER HANGER consists of a piece of mild steel shaped to support pipe. Gives Double thickness at the support. Most suitable for fire extinguishing pipes installation.

## MATERIAL:

Mild Steel. Also other materials can be provided on request

## MAXIMUM TEMPERATURE:

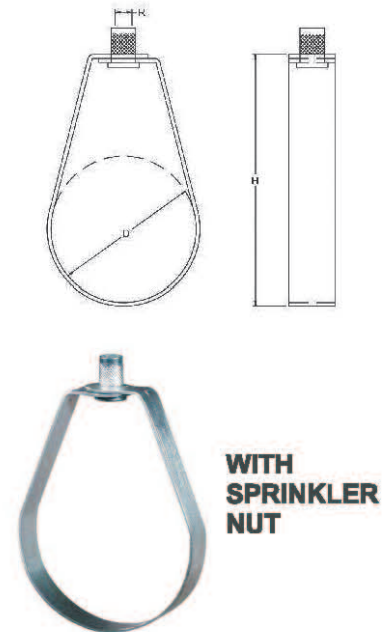
343°C (650°F)

## APPROVALS:

Underwriter's Laboratory (UL)

## FINISH AVAILABLE:

Electro-Galvanized, Hot Dip Galvanized, Epoxy, Plain.



Product Code	Nominal Pipe Size		Pipe OD (mm) D	Height H	Hanger Rod Size (mm) R	MAX LOAD (KG)
	In.	mm				
KS-CH-0.75	¾"	DN20	26.7	61	M10	220
KS-CH-01	1"	DN25	33.4	70	M10	220
KS-CH-1.25	1 ¼"	DN32	42.1	78	M10	220
KS-CH-1.5	1 ½"	DN40	48.2	84	M10	220
KS-CH-02	2"	DN50	60.3	102	M10	220
KS-CH-2.5	2 ½"	DN65	73.0	118	M10	300
KS-CH-03	3"	DN80	88.9	144	M10	300
KS-CH-04	4"	DN100	114.3	176	M10	300
KS-CH-06	6"	DN150	168.3	262	M12	550
KS-CH-08	8"	DN200	219.1	305	M12	1300
KS-CH-10	10"	DN250	273.0	315	M12	1300
KS-CH-12	12"	DN300	323.8	378	M12	1300



## THREADED ROD

### APPLICATION:

Threaded rods can be used in both anchoring and suspension applications. When used for suspension, they are threaded into an anchor in the ceiling and used to hang pipes and struts. Threaded rod is often used along with a nut and/or square plate washer when embedded in concrete.

### CONSTRUCTION:

Threaded Rod consist of mild steel, carbon steel, Alloy Steel & Stainless steel. Threaded rods are used in a variety of sectors and for several purposes, such as construction, plumbing, manufacturing, marine, agricultural, oil extraction and contractor work.

### MATERIAL:

Mild Steel, Carbon Steel, Alloy Steel & Stainless Steel.

### THREADS:

UNC, 8UN, UNF, Metric Coarse and Metric Fine.  
Typical Grades & Standards :

- ASTM A193 Grade B7, B7M, B8, B8M & B16
- ASTM A320 Grade L7 & L7M
- Stainless Steel 304, 304L, 316, 316L, A2-70/80, A4-70/80
- BS3692/BS4190 Grade 4.6, 4.8, 5.6, 5.8, 8.8.



Any other specific grade can be manufactured upon request with short lead times

**SIZE RANGE:**

- M6 To M100 In metric series
- ¼" To 4" in imperial.

Alloy Steel Threaded Rod ANSI B.1.1/BS4882 Material to ASTM A193-B7/B73/B16/B8&B8M

DIA (D)	Threaded per inch	Weight kg/ft
¼" UNC	20	.130
5/16" UNC	18	.163
3/8" UNC	16	.195
7/16" UNC	14	.228
½" UNC	13	.250
9/16" UNC	12	.293
5/8" UNC	11	.372
¾" UNC	10	.560
7/8" UNC	9	.771
1" UNC	8	1.018
1.1/8" UNC	7	1.298
1.1/8" UNS	8	1.298
1.1/4" UNC	7	1.639
1.1/4" UNS	8	1.639
1.3/8" UNC	6	2.032
1.3/8" UNS	8	2.032
1.1/2" UNC	6	2.425
1.1/2" UNS	8	2.425
1.5/8" UNS	8	2.934
1.3/4" UNS	8	3.403
1.7/8" UNS	8	3.911
2" UNS	8	4.458
2.1/4" UNS	8	5.648
2.1/2" UNS	8	7.115
2.3/4" UNS	8	8.865
3" UNS	8	10.636
3.1/4" UNS	8	12.200
3.1/2" UNS	8	15.510



*Alloy Steel Threaded Rod to DIN 975 Material to ASTM A193M-B7/B7M/B16/B8 & B8M*

DIA	Thread per inch	Weight kg/meter
M6	1	.18
M8	1.25	.31
M10	1.5	.49
M12	1.75	.73
M14	2	.99
M16	2	1.33
M18	2.5	1.64
M20	2.5	2.06
M22	2.5	2.55
M24	3	2.98
M27	3	3.85
M30	3.5	4.70
M33	3.5	5.78
M36	4	6.85
M39	4	8.15
M42	4.5	9.4
M45	4.5	10.9
M48	5	12.4
M52	5	14.65
M56	5.5	16.9
M64	6	22.20
M72	6	28.51
M76	6	31.96

## ANCHOR BOLTS

### APPLICATION:

Anchor bolts are designed to attach structural elements to concrete. There are four main types of anchor bolts: L-shaped, double end rods with plate, headed, and swedge. Each type has their own uses, sizes, and advantages. Let's go over each type of anchor bolt and how they are used in structural applications each day.

### STANDARDS:

- ASTM/ASME/BS/DIN/BS EN ISO/JIS

### MATERIAL:

Mild Steel, Carbon Steel, Alloy Steel & Stainless Steel.

### SIZE RANGE:

- M6 to M100 in metric series
- 1/4" to 4" in imperial



### THREADS:

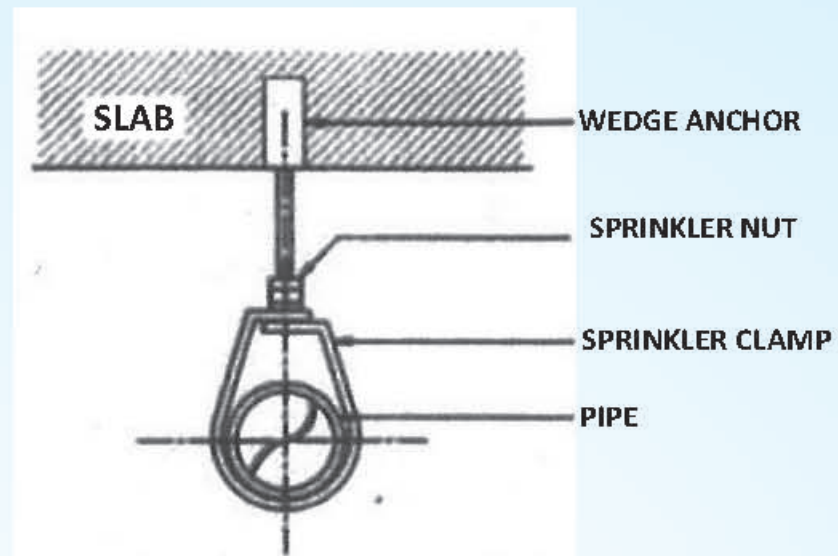
- UNC, 8UN, UNF, Metric Coarse and Metric Fine
  - Typical Grades & Standards :-
  - BS 3692 / BS 4190 grade 4.6 , 4.8, 5.6 , 5.8, 8.8, 10.9 & 12.9
  - ASTM A307, A325, A193, B7 & B16, ASTM A320 L7
  - Stainless STEEL 304, 304L, 316, 316L, A2-70/80, ASTM A193 Grade B8 & B8M
  - ASTM A675 Grade 90, ASTM A572 Grade 50 and ASTM F1554 Grade 36, 55 and 105
- Any Other specific grade can be manufactured upon request with short lead times.



*ORDERING INFORMATION:*

- Dimensions.
- Standard and Grade.
- Finish (Black ,GI, Yellow, HDG, Cadmium, Nickel, PTFE etc.)
- Nut and Washer quantity.
- Plate and sleeve dimensions (if required).

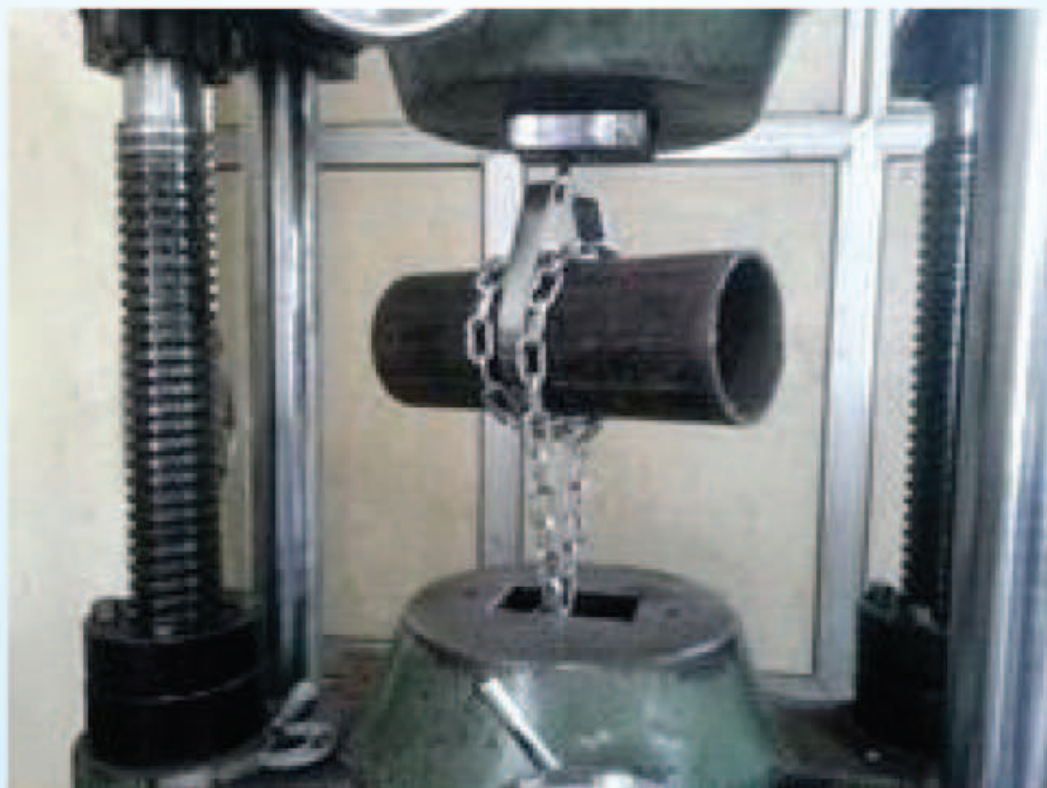
## INSTALLATION INSTRUCTION



INSTALLATION OF FIRE FIGHTING PIPE USING SPRINKLER

## TESTING OF PRODUCT

### SPRINKLER HANGER





## HANGING CLAMP WITH EPDM LINING

### APPLICATION:

PIPE HANGER WITH EPDM LINING is recommended for non-insulated stationary pipelines in a horizontal position. It can be used for supporting pipes along with the roof.

### CONSTRUCTION:

PIPE HANGER with EPDM lining consists of piece of mild steel shaped to wrap around the pipe. The selection of the proper PIPE HANGER WITH EPDM LINING depends upon the temperature of the piping system and load to be carried. Permits installation before and after pipe is in place. Reduces noise upto 18 dB.

### MATERIAL:

Mild Steel. Also other materials can be provided on request

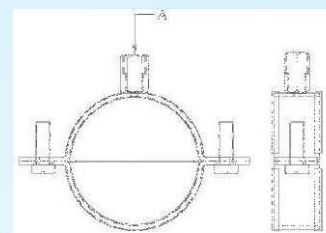
### Approvals :

**Minimum Temperature : -20°C**

**Maximum Temperature : 110°C**

### FINISH AVAILABLE:

Electro-Galvanized, Hot Dip Galvanized, Plain.



Product Code	Nominal Pipe Size		Pipe OD (mm)	Range (mm)	Nut Size ( A )	Side Screw size	MAX LOAD (KG)
	In.	mm					
KS - NCR 0.25	3/8"	DN10	17.1	15-19	M8 X M10	M6	450
KS - NCR 0.50	1/2"	DN15	21.3	20-25	M8 X M10	M6	450
KS - NCR 0.75	3/4"	DN20	26.7	26-30	M8 X M10	M6	450
KS - NCR 01	1"	DN25	33.4	32-36	M8 X M10	M6	450
KS - NCR 1.25	1 1/4"	DN32	42.1	38-43	M8 X M10	M6	450
KS - NCR 1.5	1 1/2"	DN40	48.2	47-51	M8 X M10	M6	450
KS - NCR 54		-	54	53-58	M8 X M10	M6	450
KS - NCR 02	2"	DN50	60.3	60-64	M8 X M10	M6	450
KS - NCR 63		-	63	63-66	M8 X M10	M6	450
KS - NCR 70		-	70	68-72	M8 X M10	M6	450
KS - NCR 2.5	2 1/2"	DN65	73.0	74-80	M8 X M10	M6	600
KS - NCR 83		-	83	81-86	M8 X M10	M6	600
KS - NCR 03	3"	DN80	88.9	87-92	M8 X M10	M6	600
KS - NCR 3.5	3 1/2"	DN90	101.6	99-105	M8 X M10	M6	600
KS - NCR 110		-	110	107-112	M8 X M10	M6	600
KS - NCR 04	4"	DN100	114.3	113-118	M8 X M10	M6	600
KS - NCR 125		-	125	125-130	M8 X M10	M6	600
KS - NCR 133		-	133	131-137	M8 X M10	M6	600
KS - NCR 05	5"	DN125	141.3	138-142	M8 X M10	M6	600
KS - NCR 150		-	150	148-153	M8 X M10	M6	600
KS - NCR 160		-	160	159-166	M8 X M10	M6	600
KS - NCR 06	6"	DN150	168.3	168-172	M8 X M10	M8	600
KS - NCR 210		-	210	200-212	M8 X M10	M8	950
KS - NCR 08	8"	DN200	219.1	215-220	M8 X M10	M8	950
KS - NCR 10	10"	DN250	273.0	269-274	M8 X M10	M8	950
KS - NCR 12	12"	DN300	323.8	313-318	M8 X M10	M8	1200

## HANGING CLAMP WITHOUT RUBBER

### APPLICATION:

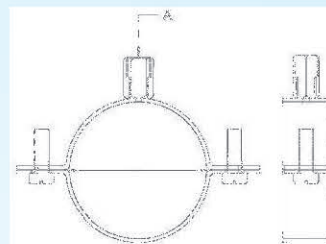
PIPE HANGER is recommended for non-insulated stationary pipe lines in either a horizontal or vertical position. It can be used for supporting pipes along with the roof.

### CONSTRUCTION:

PIPE HANGER consists of piece of mild steel shaped to wrap around the pipe. The selection of the proper 3-Bolt PIPE CLAMP depends upon the temperature of the piping system and load to be carried. Permits installation before and after pipe is in place.

### MATERIAL:

Mild Steel. Also other materials can be provided on request



**MAXIMUM TEMPERATURE:** 343°C (650°F)

### FINISH AVAILABLE:

Electro-Galvanized, Hot dip Galvanized, Plain

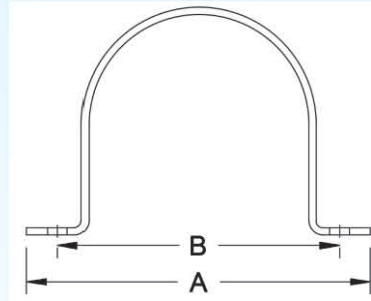
Product Code	Nominal Pipe Size		Size (mm)	Range (mm)	Nut Size (mm) ( A )	Side Screw size	MAX LOAD (KG)
	In.	mm					
KS - NC 0.25	3/8"	DN10	17.1	15-19	M8 X M10	M6	450
KS - NC 0.50	1/2"	DN15	21.3	20-25	M8 X M10	M6	450
KS - NC 0.75	3/4"	DN20	26.7	26-30	M8 X M10	M6	450
KS - NC 01	1"	DN25	33.4	32-36	M8 X M10	M6	450
KS - NC 1.25	1 1/4"	DN32	42.1	38-43	M8 X M10	M6	450
KS - NC 1.5	1 1/2"	DN40	48.2	47-51	M8 X M10	M6	450
KS - NC 54	-		54	53-58	M8 X M10	M6	450
KS - NC 02	2"	DN50	60.3	60-64	M8 X M10	M6	450
KS - NC 63	-		63	63-66	M8 X M10	M6	450
KS - NC 70	-		70	68-72	M8 X M10	M6	450
KS - NC 2.5	2 1/2"	DN65	73.0	74-80	M8 X M10	M6	600
KS - NC 83	-		83	81-86	M8 X M10	M6	600
KS - NC 03	3"	DN80	88.9	87-92	M8 X M10	M6	600
KS - NC 3.5	3 1/2"	DN90	101.6	99-105	M8 X M10	M6	600
KS - NC 110	-		110	107-112	M8 X M10	M6	600
KS - NC 04	4"	DN100	114.3	113-118	M8 X M10	M6	600
KS - NC 125	-		125	125-130	M8 X M10	M6	600
KS - NC 133	-		133	131-137	M8 X M10	M6	600
KS - NC 05	5"	DN125	141.3	138-142	M8 X M10	M6	600
KS - NC 150	-		150	148-153	M8 X M10	M6	600
KS - NC 160	-		160	159-166	M8 X M10	M6	600
KS - NC 06	6"	DN150	168.3	168-172	M8 X M10	M8	600
KS - NC 210	-		210	200-212	M8 X M10	M8	950
KS - NC 08	8"	DN200	219	215-220	M8 X M10	M8	950
KS - NC 10	10"	DN250	273.0	269-274	M8 X M10	M8	950
KS - NC 12	12"	DN300	323.8	313-318	M8 X M10	M8	1200

### Note

Pipe

all Non Standard Sizes to fit upon Rubber Support Insert can be manufactured.

## U STRAP



### **APPLICATION:**

A Standard Pipe Strap is recommended for supporting a piping system with fittings vertically or horizontally to walls or ceilings. It can be used as a restrainer when installed on top of structural wood beams for beam, for limiting pipe movements due to thrust loads during sprinkler system start-up.

### **CONSTRUCTION:**

A Standard Pipe Strap consists of a piece of mild steel shaped to hold the pipe down to walls or ceilings.

### **MATERIALS:**

Mild Steel. Also other materials can be provided on request

**MAXIMUM TEMPERATURE:** 343°C (650°F)

### **FINISH AVAILABLE:**

Electro-Galvanized, Hot Dip Galvanized, Epoxy, Plain .

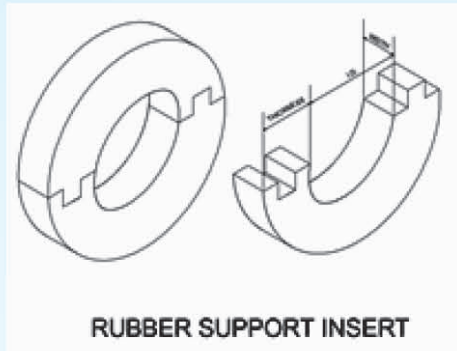


Product Code	Nominal Pipe Size		Pipe OD (mm)	Hanger Dimension (mm)		Bolt Size (mm)	MAX LOAD (KG)
	In.	mm		Overall dimension A	Distance Between two bolt B		
KS - US 0.5	½"	DN15	21.3	76	51	M8	500
KS - US 0.75	¾"	DN20	26.7	82	57	M8	500
KS - US 01	1"	DN25	33.4	89	64	M8	500
KS - US 1.25	1 ¼"	DN32	42.1	96	71	M8	500
KS - US 1.5	1 ½"	DN40	48.2	102	77	M8	500
KS - US 54	-		54	108	83	M8	500
KS - US 02	2"	DN50	60.3	114	89	M8	500
KS - US 67	-		67	121	96	M8	500
KS - US 2.5	2 ½"	DN65	73.0	145	113	M8	600
KS - US 82	-		82	152	120	M8	600
KS - US 03	3"	DN80	88.9	160	128	M8	600
KS - US 3.5	3 ½"	DN90	101.6	170	138	M8	600
KS - US 108	-		108	178	146	M8	600
KS - US 04	4"	DN100	114.3	185	153	M8	600
KS - US 126	-		126	196	164	M8	600
KS - US 5	5"	DN125	141.3	210	178	M10	600
KS - US 148	-		148	218	186	M10	600
KS - US 155	-		155	225	193	M10	600
KS - US 06	6"	DN150	168.3	237	205	M10	600
KS - US 179	-		179	249	217	M10	600
KS - US 190	-		190	260	228	M10	800
KS - US 205	-		205	275	243	M10	800
KS - US 8	8"	DN200	219.1	289	257	M10	800
KS - US 230	-		230	300	268	M10	800
KS - US 241	-		241	332	291	M12	1250
KS - US 263	-		263	354	313	M12	1250
KS - US 10	10"	DN250	273.0	364	323	M18	1250
KS - US 295	-		295	386	345	M18	1250
KS - US 12	12"	DN300	323.8	417	376	M18	1250
KS - US 14	14"	DN350	355.6	447	409	M18	1800
KS - US 374	-		374	465	427	M18	1800
KS - US 16	16"	DN400	406.4	497	459	M18	1800
KS - US 432	-		432	523	485	M18	1800
KS - US 18	18"	DN450	457.2	547	509	M18	1800
KS - US 482	-		482	573	535	M18	1800
KS - US 20	20"	DN500	508.2	599	561	M18	1800
KS - US 533	-		533	624	586	M18	1800
KS - US 559	-		559	650	612	M18	1800
KS - US 583	-		583	674	636	M18	1800
KS - US 24	24"	DN600	609.6	701	663	M18	1800
KS - US 658	-		658	766	721	M18	2300
KS - US 690	-		690	798	753	M18	2300
KS - US 760	-		760	868	823	M18	2300
KS - US 863	-		863	971	926	M18	2300
KS - US 918	-		918	1026	981	M18	2300

**Note :**

U Strap of all Non Standard Sizes to fit upon Rubber Support Insert can be manufactured.

## RUBBER SUPPORT INSERTS



### **APPLICATION:**

Recommended to use at the supporting points of insulated pipes to prevent crushing of insulation.

### **CONSTRUCTION:**

Dimensionally accurate as each piece is moulded. It has excellent resistance to deterioration / distortion. Steel reinforcement gives higher strength and load bearing capacity.

### **MATERIAL:**

**DENSITY:**  $1400\text{kg/m}^3$

### **THERMAL CONDUCTIVITY:**

$0.16\text{W/m}^\circ\text{C}$

*Minimum Temperature :  $-20^\circ\text{C}$*

*Maximum Temperature :  $110^\circ\text{C}$*

Nominal Pipe Size		Schedule 40 steel pipe OD (mm)	Product Code for Rubber Support Insert							
			1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"
Inches	mm		13 mm	19 mm	25 mm	32 mm	38 mm	50 mm	65 mm	75 mm
1/2"	15	21.3	KS RSI 13 - 22	KS RSI 19 - 22	KS RSI 25- 22	KS RSI 32- 22	KS RSI 38- 22	KS RSI 50- 22	KS RSI 65- 22	KS RSI 75 - 22
3/4"	20	26.7	KS RSI 13 - 27	KS RSI 19 - 27	KS RSI 25- 27	KS RSI 32- 27	KS RSI 38- 27	KS RSI 50- 27	KS RSI 65- 27	KS RSI 75 - 27
1"	25	33.4	KS RSI 13- 34	KS RSI 19 - 34	KS RSI 25- 34	KS RSI 32- 34	KS RSI 38- 34	KS RSI 50- 34	KS RSI 65- 34	KS RSI 75 - 34
1 1/4"	32	42.1	KS RSI 13- 42	KS RSI 19 - 42	KS RSI 25- 42	KS RSI 32- 42	KS RSI 38- 42	KS RSI 50- 42	KS RSI 65- 42	KS RSI 75 - 42
1 1/2"	40	48.2	KS RSI 13- 48	KS RSI 19 - 48	KS RSI 25- 48	KS RSI 32- 48	KS RSI 38- 48	KS RSI 50- 48	KS RSI 65- 48	KS RSI 75 - 48
2"	50	60.3	KS RSI 13- 60	KS RSI 19 - 60	KS RSI 25- 60	KS RSI 32- 60	KS RSI 38- 60	KS RSI 50- 60	KS RSI 50- 60	KS RSI 75 - 60
2 1/2"	65	73.0	KS RSI 13- 73	KS RSI 19 - 73	KS RSI 25- 73	KS RSI 32- 73	KS RSI 38- 73	KS RSI 50- 73	KS RSI 50- 73	KS RSI 75 - 73
3"	80	88.9	KS RSI 13- 89	KS RSI 19 - 89	KS RSI 25- 89	KS RSI 32- 89	KS RSI 38- 89	KS RSI 50- 89	KS RSI 50- 89	KS RSI 75 - 89
3 1/2"	90	101.6	KS RSI 13- 102	KS RSI 19 - 102	KS RSI 25- 102	KS RSI 32- 102	KS RSI 38- 102	KS RSI 50- 102	KS RSI 50-102	KS RSI 75 - 102
4"	100	114.3	KS RSI 13- 114	KS RSI 19 - 114	KS RSI 25- 114	KS RSI 32- 114	KS RSI 38- 114	KS RSI 50- 114	KS RSI 50-114	KS RSI 75 - 114
5"	125	141.3	KS RSI 13- 141	KS RSI 19 - 141	KS RSI 25- 141	KS RSI 32- 141	KS RSI 38- 141	KS RSI 50- 141	KS RSI 50-141	KS RSI 75 - 141
6"	150	168.3	KS RSI 13- 168	KS RSI 19 - 168	KS RSI 25- 168	KS RSI 32- 168	KS RSI 38- 168	KS RSI 50- 168	KS RSI 50- 168	KS RSI 75 - 168
8"	200	219.3	KS RSI 13- 219	KS RSI 19 - 219	KS RSI 25- 219	KS RSI 32- 219	KS RSI 38- 219	KS RSI 50- 219	KS RSI 50- 219	KS RSI 75 - 219
10"	250	273.0	KS RSI 13- 273	KS RSI 19 - 273	KS RSI 25- 273	KS RSI 32- 273	KS RSI 38- 273	KS RSI 50- 273	KS RSI 50- 273	KS RSI 75 - 273
12"	300	323.6	KS RSI 13- 323	KS RSI 19 - 323	KS RSI 25- 323	KS RSI 32- 323	KS RSI 38- 323	KS RSI 50- 323	KS RSI 50- 323	KS RSI 75 - 323
14"	350	355.6	KS RSI 13- 356	KS RSI 19 - 356	KS RSI 25- 356	KS RSI 32- 356	KS RSI 38- 256	KS RSI 50- 256	KS RSI 50- 256	KS RSI 75 - 256
16"	400	406.4	KS RSI 13- 406	KS RSI 19 - 406	KS RSI 25- 406	KS RSI 32- 406	KS RSI 38- 406	KS RSI 50- 406	KS RSI 50- 406	KS RSI 75 - 406
18"	450	457.2	KS RSI 13- 457	KS RSI 19 - 457	KS RSI 25- 457	KS RSI 32- 457	KS RSI 38- 457	KS RSI 50- 457	KS RSI 50- 457	KS RSI 75 - 457
20"	500	508.0	KS RSI 13- 508	KS RSI 19 - 508	KS RSI 25- 508	KS RSI 32- 508	KS RSI 38- 508	KS RSI 50- 508	KS RSI 50- 508	KS RSI 75 - 508
24"	600	609.6	KS RSI 13- 610	KS RSI 19 - 610	KS RSI 25- 610	KS RSI 32- 610	KS RSI 38- 610	KS RSI 50- 610	KS RSI 50- 610	KS RSI 75 - 610



Size	OD	RSI size	Total OD
1/2 "	21.3	1/2" X 13mm X 25mm	47.3
3/4 "	26.7	3/4 " X 13mm X 25mm	52.7
1 "	33.4	1 " X 13mm X 25mm	59.4
1 1/4"	42.1	1 1/4" X 13mm X 25mm	68.1
1 1/2"	48.2	1 1/2" X 13mm X 25mm	74.2
2 "	60.3	2 " X 13mm X 25mm	86.3
2 1/2 "	73	2 1/2 " X 13mm X 38mm	99
3 "	88.9	3 " X 13mm X 38mm	114.9
3 1/2 "	101.6	3 1/2 " X 13mm X 38mm	127.6
4 "	114.3	4 " X 13mm X 38mm	140.3
5 "	141.3	5 " X 13mm X 38mm	167.3
6 "	168.3	6 " X 13mm X 50mm	194.3
8 "	219.1	8 " X 13mm X 50mm	245.1
10 "	273	10 " X 13mm X 50mm	299
12 "	323.8	12 " X 13mm X 50mm	349.8
14 "	355.6	14 " X 13mm X 50mm	381.6
16 "	406.4	16 " X 13mm X 50mm	432.4
18 "	457.2	18 " X 13mm X 50mm	483.2
20 "	508	20 " X 13mm X 50mm	534
24 "	609.6	24 " X 13mm X 50mm	635.6

Size	OD	RSI size	Total OD
1/2 "	21.3	1/2" X 19mm X 25mm	59.3
3/4 "	26.7	3/4 " X 19mm X 25mm	64.7
1 "	33.4	1 " X 19mm X 25mm	71.4
1 1/4"	42.1	1 1/4" X 19mm X 25mm	80.1
1 1/2"	48.2	1 1/2" X 19mm X 25mm	86.2
2 "	60.3	2 " X 19mm X 25mm	98.3
2 1/2 "	73	2 1/2 " X 19mm X 38mm	111
3 "	88.9	3 " X 19mm X 38mm	126.9
3 1/2 "	101.6	3 1/2 " X 19mm X 38mm	139.6
4 "	114.3	4 " X 19mm X 38mm	152.3
5 "	141.3	5 " X 19mm X 38mm	179.3
6 "	168.3	6 " X 19mm X 50mm	206.3
8 "	219.1	8 " X 19mm X 50mm	257.1
10 "	273	10 " X 19mm X 50mm	311
12 "	323.8	12 " X 19mm X 50mm	361.8
14 "	355.6	14 " X 19mm X 50mm	393.6
16 "	406.4	16 " X 19mm X 50mm	444.4
18 "	457.2	18 " X 19mm X 50mm	495.2
20 "	508	20 " X 19mm X 50mm	546
24 "	609.6	24 " X 19mm X 50mm	647.6

Size	OD	RSI size	Total OD
1/2 "	21.3	1/2" X 25mm X 25mm	71.3
3/4 "	26.7	3/4 " X 25mm X 25mm	76.7
1 "	33.4	1 " X 25mm X 25mm	83.4
1 1/4"	42.1	1 1/4" X 25mm X 25mm	92.1
1 1/2"	48.2	1 1/2" X 25mm X 25mm	98.2
2 "	60.3	2 " X 25mm X 25mm	110.3
2 1/2"	73	2 1/2 " X 25mm X 38mm	123
3 "	88.9	3 " X 25mm X 38mm	138.9
3 1/2 "	101.6	3 1/2 " X 25mm X 38mm	151.6
4 "	114.3	4 " X 25mm X 38mm	164.3
5 "	141.3	5 " X 25mm X 38mm	191.3
6 "	168.3	6 " X 25mm X 50mm	218.3
8 "	219.1	8 " X 25mm X 50mm	269.1
10 "	273	10 " X 25mm X 50mm	323
12 "	323.8	12 " X 25mm X 50mm	373.8
14 "	355.6	14 " X 25mm X 50mm	405.6
16 "	406.4	16 " X 25mm X 50mm	456.4
18 "	457.2	18 " X 25mm X 50mm	507.2
20 "	508	20 " X 25mm X 50mm	558
24 "	609.6	24 " X 25mm X 50mm	659.6

Size	OD	RSI size	Total OD
1/2 "	21.3	½" X 32mm X 25mm	85.3
3/4 "	26.7	3/4 " X 32mm X 25mm	90.7
1 "	33.4	1 " X 32mm X 25mm	97.4
1 1/4"	42.1	1 1/4" X 32mm X 25mm	106.1
1 1/2"	48.2	1 1/2" X 32mm X 25mm	112.2
2 "	60.3	2 " X 32mm X 25mm	124.3
2 1/2 "	73	2 1/2 " X 32mm X 38mm	137
3 "	88.9	3 " X 32mm X 38mm	152.9
3 1/2 "	101.6	3 1/2 " X 32mm X 38mm	165.6
4 "	114.3	4 " X 32mm X 38mm	178.3
5 "	141.3	5 " X 32mm X 38mm	205.3
6 "	168.3	6 " X 32mm X 50mm	232.3
8 "	219.1	8 " X 32mm X 50mm	283.1
10"	273	10 " X 32mm X 50mm	337
12 "	323.8	12 " X 32mm X 50mm	387.8
14 "	355.6	14 " X 32mm X 50mm	419.6
16 "	406.4	16 " X 32mm X 50mm	470.4
18 "	457.2	18 " X 32mm X 50mm	521.2
20 "	508	20 " X 32mm X 50mm	572
24 "	609.6	24 " X 32mm X 50mm	673.6

Size	OD	RSI size	Total OD
1/2 "	21	1/2" X 38mm X 25mm	97.3
3/4 "	27	3/4 " X 38mm X 25mm	102.7
1 "	33	1 " X 38mm X 25mm	109.4
1 1/4"	42	1 1/4" X 38mm X 25mm	118.1
1 1/2"	48	1 1/2" X 38mm X 25mm	124.2
2 "	60	2 " X 38mm X 25mm	136.3
2 1/2 "	73	2 1/2 " X 38mm X 38mm	149
3 "	89	3 " X 38mm X 38mm	164.9
3 1/2 "	102	3 1/2 " X 38mm X 38mm	177.6
4 "	114	4 " X 38mm X 38mm	190.3
5 "	141	5 " X 38mm X 38mm	217.3
6 "	168	6 " X 38mm X 50mm	244.3
8 "	219	8 " X 38mm X 50mm	295.1
10 "	273	10 " X 38mm X 50mm	349
12 "	324	12 " X 38mm X 50mm	399.8
14 "	356	14 " X 38mm X 50mm	431.6
16 "	406	16 " X 38mm X 50mm	482.4
18 "	457	18 " X 38mm X 50mm	533.2
20 "	508	20 " X 38mm X 50mm	584
24 "	610	24 " X 38mm X 50mm	685.6

Size	OD	RSI size	Total OD
1/2 "	21.3	1/2" X 50mm X 25mm	121.3
3/4 "	26.7	3/4 " X 50mm X 25mm	126.7
1 "	33.4	1 " X 50mm X 25mm	133.4
1 1/4"	42.1	1 1/4" X 50mm X 25mm	142.1
1 1/2"	48.2	1 1/2" X 50mm X 25mm	148.2
2 "	60.3	2 " X 50mm X 25mm	160.3
2 1/2 "	73	2 1/2 " X 50mm X 38mm	173
3 "	88.9	3 " X 50mm X 38mm	188.9
3 1/2 "	101.6	3 1/2 " X 50mm X 38mm	201.6
4 "	114.3	4 " X 50mm X 38mm	214.3
5 "	141.3	5 " X 50mm X 38mm	241.3
6 "	168.3	6 " X 50mm X 50mm	268.3
8 "	219.1	8 " X 50mm X 50mm	319.1
10 "	273	10 " X 50mm X 50mm	373
12 "	323.8	12 " X 50mm X 50mm	423.8
14 "	355.6	14 " X 50mm X 50mm	455.6
16 "	406.4	16 " X 50mm X 50mm	506.4
18 "	457.2	18 " X 50mm X 50mm	557.2
20 "	508	20 " X 50mm X 50mm	608
24 "	609.6	24 " X 50mm X 50mm	709.6

Size	OD	RSI size	Total OD
1/2 "	21.3	1/2" X 65mm X 25mm	151.3
3/4 "	26.7	3/4 " X 65mm X 25mm	156.7
1 "	33.4	1 " X 65mm X 25mm	163.4
1 1/4"	42.1	1 1/4" X 65mm X 25mm	172.1
1 1/2"	48.2	1 1/2" X 65mm X 25mm	178.2
2 "	60.3	2 " X 65mm X 25mm	190.3
2 1/2 "	73	2 1/2 " X 65mm X 38mm	203
3 "	88.9	3 " X 65mm X 38mm	218.9
3 1/2 "	101.6	3 1/2 " X 65mm X 38mm	231.6
4 "	114.3	4 " X 65mm X 38mm	244.3
5 "	141.3	5 " X 65mm X 38mm	271.3
6 "	168.3	6 " X 65mm X 50mm	298.3
8 "	219.1	8 " X 65mm X 50mm	349.1
10 "	273	10 " X 65mm X 50mm	403
12 "	323.8	12 " X 65mm X 50mm	453.8
14 "	355.6	14 " X 65mm X 50mm	485.6
16 "	406.4	16 " X 65mm X 50mm	536.4
18 "	457.2	18 " X 65mm X 50mm	587.2
20 "	508	20 " X 65mm X 50mm	638
24 "	609.6	24 " X 65mm X 50mm	739.6

Size	OD	RSI size	Total OD
1/2 "	21.3	1/2" X 75mm X 25mm	171.3
3/4 "	26.7	3/4 " X 75mm X 25mm	176.7
1 "	33.4	1 " X 75mm X 25mm	183.4
1 1/4"	42.1	1 1/4" X 75mm X 25mm	192.1
1 1/2"	48.2	1 1/2" X 75mm X 25mm	198.2
2 "	60.3	2 " X 75mm X 25mm	210.3
2 1/2 "	73	2 1/2 " X 75mm X 38mm	223
3 "	88.9	3 " X 75mm X 38mm	238.9
3 1/2 "	101.6	3 1/2 " X 75mm X 38mm	251.6
4 "	114.3	4 " X 75mm X 38mm	264.3
5 "	141.3	5 " X 75mm X 38mm	291.3
6 "	168.3	6 " X 75mm X 50mm	318.3
8 "	219.1	8 " X 75mm X 50mm	369.1
10 "	273	10 " X 75mm X 50mm	423
12 "	323.8	12 " X 75mm X 50mm	473.8
14 "	355.6	14 " X 75mm X 50mm	505.6
16 "	406.4	16 " X 75mm X 50mm	556.4
18 "	457.2	18 " X 75mm X 50mm	607.2
20 "	508	20 " X 75mm X 50mm	658
24 "	609.6	24 " X 75mm X 50mm	759.6



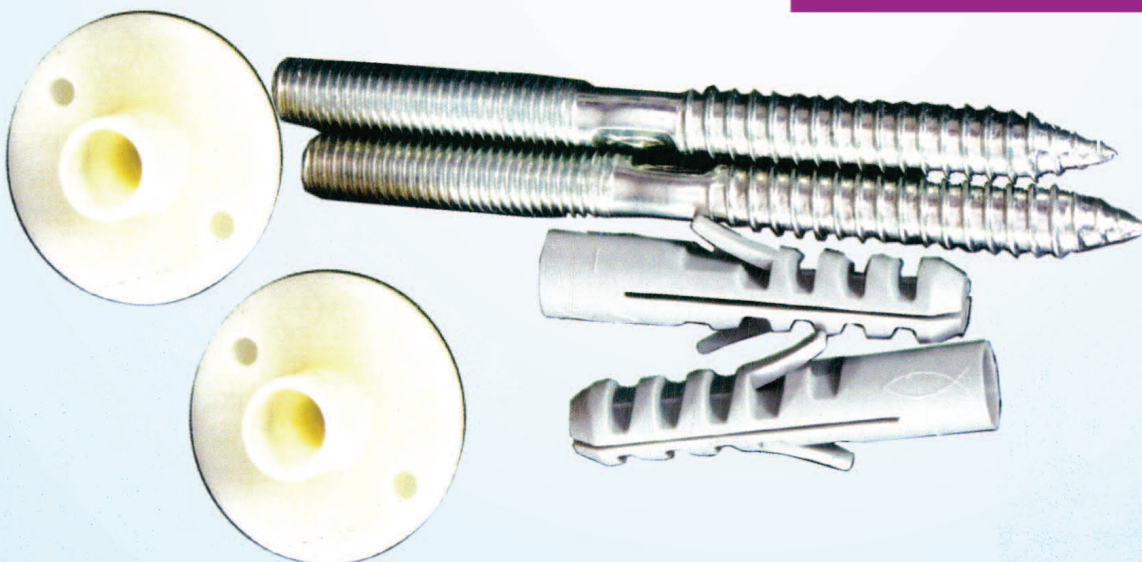
**Screw for Bidet**



**Screw for Water Heater**



**Screw for Wash-Basin**





## HEAVY SADDLE CLAMP "U" TYPE

### APPLICATION:

Recommended for supporting a piping system of heavy weight with fittings vertically or horizontally to walls or ceilings. It can be used to mount electrical & insulated pipes, corner locking and better gripping of electrical conduits.

### CONSTRUCTION:

A HEAVY SADDLE consists of single piece of mild steel shaped to the proper configuration as shown in the diagram.

### MATERIALS:

Mild Steel. Also other materials can be provided on request

### MAXIMUM TEMP:

343°C (650°F)

### FINISH AVAILABLE:

Electro-Galvanized, Hot Dip Galvanized, Plain.



Product Code	Nominal Pipe Size		Diameter (mm)	Screw Size
	Inch	mm		
KS- HS 0.5	1/2 "	DN15	21.3	M6
KS- HS 0.75	3/4 "	DN20	26.7	M6
KS- HS 01	1 "	DN25	33.4	M6
KS- HS 1.25	1 1/4 "	DN32	42.1	M6
KS- HS 1.5	1 1/2 "	DN40	48.2	M6
KS- HS 54			54	M6
KS- HS 2	2 "	DN50	60.3	M6
KS- HS 67			67	M6
KS- HS 2.5	2 1/2 "	DN65	73.0	M6
KS- HS 82			82	M6
KS- HS 3	3 "	DN80	88.9	M6
KS- HS 3.5	3 1/2 "	DN90	101.6	M6
KS- HS 108			108	M6
KS- HS 4	4 "	DN100	114.3	M6
KS- HS 126			126	M6
KS- HS 5	5 "	DN125	141.3	M6
KS- HS 148			148	M6
KS- HS 155			155	M6
KS- HS 6	6 "	DN150	168.3	M6
KS- HS 179			179	M6
KS- HS 190			190	M6
KS- HS 205			205	M6
KS- HS 8	8 "	DN200	219.1	M8
KS- HS 230			230	M8
KS- HS 241			241	M8
KS- HS 263			263	M8
KS- HS 10	10 "	DN250	273.1	M8

## HALF SADDLE

### APPLICATION:

Recommended for support of standard conduit, cable and steel pipe on walls or sides of beams. Not recommended for use horizontally on ceilings, bottoms of beams and similar installations since the factor of safety is greatly reduced when so used.

### CONSTRUCTION:

HALF SADDLE consists of single piece of mild steel shaped to proper configuration as shown in above diagram.

### MATERIAL:

Mild Steel. Also other materials can be provided on request

### MAXIMUM TEMPERATURE:

343°C (650°F)

### FINISH AVAILABLE:

Electro-Galvanized, Hot Dip Galvanized, Plain.



PRODUCT CODE	NOMINAL (INCH)	PIPE SIZE ( MM )	DIA (MM)	SCREW
KS - HFS 0.5	1/2"	DN 15	21.3	M 6
KS - HFS 0.75	3/4"	DN 20	26.7	M 6
KS - HFS 0.1	1"	DN 25	33.4	M 6
KS - HFS 1.25	1 1/4"	DN 32	42.1	M 6
KS - HFS 1.5	1 1/2"	DN 40	48.2	M 6
KS - HFS 02	2"	DN 50	60.3	M 6
KS - HFS 2.5	2 1/2"	DN 65	73	M 8
KS - HFS 03	3"	DN 80	88.9	M 8
KS - HFS 04	4"	DN 100	114.3	M 8
KS - HFS 06	6"	DN 150	168.3	M 8

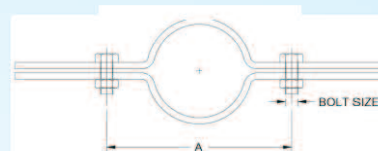
## RISER CLAMP

### APPLICATION:

RISER CLAMPS are recommended for the support and/or restraint of vertical steel pipes. A RISER CLAMP is designed to attach to the pipe and to rest on a structural member or floor; It is not designed to have hanger rods attached to it to support the pipe.

### CONSTRUCTION:

RISER CLAMPS consists of two mild steel flat bars bent to shape and held together by two bolts. Designed to act as a rigid support or guide vertical pipes. The clamp should be bolted to the pipe just below support lugs or other attachments that can carry a shear load.



### MATERIAL:

Mild Steel. Also other materials can be provided on request



### MAXIMUM TEMPERATURE:

343°C (650°F)

### FINISH AVAILABLE:

Electro-Galvanized, Hot Dip Galvanized, Plain .

Product Code	Nominal Pipe Size		Pipe OD (mm)	Length between Hole centre (mm)	Bolt Size	MAX LOAD (KG)
	In.	mm				
KS- RC 0.5	½"	DN15	21.3	57	M10	1250
KS- HS 0.75	¾"	DN20	26.7	68	M10	1250
KS- HS 01	1"	DN25	33.4	76	M10	1250
KS- HS 1.25	1 ¼"	DN32	42.1	90	M10	1250
KS- HS 1.5	1 ½"	DN40	48.2	110	M10	1250
KS- HS 2	2"	DN50	60.3	130	M10	1850
KS- HS 2.5	2 ½"	DN65	73.0	142	M12	1850
KS- HS 3	3"	DN80	88.9	161	M12	2250
KS- HS 4	4"	DN100	114.3	190	M12	3600
KS- HS 6	6"	DN150	168.3	258	M16	4500
KS- HS 8	8"	DN200	219.1	333	M16	4500
KS- HS 10	10"	DN250	273.0	409	M16	5800
KS- HS 12	12"	DN300	323.8	467	M20	7300
KS- HS 16	16"	DN400	406.4	583	M20	7300
KS- HS 20	20"	DN500	508.0	708	M20	13400
KS- HS 24	24"	DN600	609.6	833	M20	13400

### Note :

Riser Clamp of all Non Standard Sizes to fit upon Rubber Support Insert can be manufactured.



## STRUT CLAMP- TWO PIECE CHANNEL CLIP

### APPLICATION:

Designed as a guide to permit longitudinal movement of pipe.

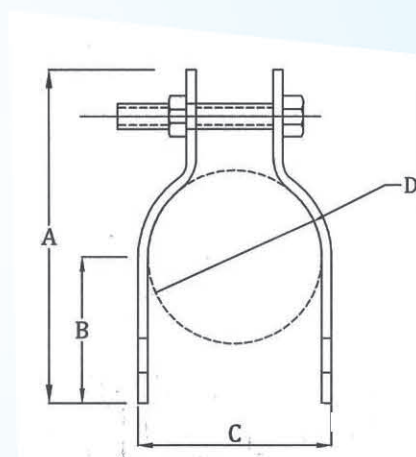
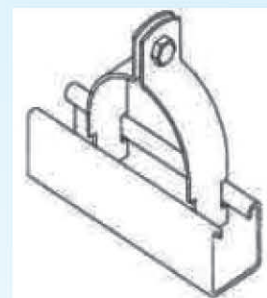
### MATERIALS:

Mild Steel. Also other materials can also be provided on request

### FINISH AVAILABLE:

Electro-Galvanized, Hot Dip Galvanized, Epoxy Green, Plain.

### Approvals :



PRODUCT CODE	NOMINAL PIPE SIZE		O.D. OF PIPE 'D'	A	B	C	FASTENER SIZE
	INCH	MM	MM				
KS- CC 0.5	1/2"	15	22	50.5	14.2	25.00	M 6 x 25
KS- CC 0.75	3/4"	20	27	57.1	17.5	30.00	M 6 x 25
KS- CC 01	1"	25	34	63.8	20.6	38.00	M 6 x 25
KS- CC 1.25	1 1/4"	32	42	76.2	25.4	46.00	M 6 x 25
KS- CC 1.5	1 1/2"	40	48	81.5	28.4	52.00	M 6 x 25
KS- CC 2	2"	50	60	95.8	34.8	65.00	M 8 x 40
KS- CC 2.5	2 1/2"	65	73	108.7	41.1	78.00	M 8 x 40
KS- CC 3	3"	80	89	128.3	50.8	94.00	M 8 x 40
KS- CC 4	4"	100	114	153.7	63.5	120.00	M 8 x 40

## A CLAMP

### APPLICATION:

Recommended for support of pipe lines running at a definite distance from the wall or floor of a building or structure. Used where removing and installing of pipe is done periodically.

### CONSTRUCTION:

An OFFSET HANGER consists of single piece of mild steel shaped to the proper configuration.

### MATERIALS:

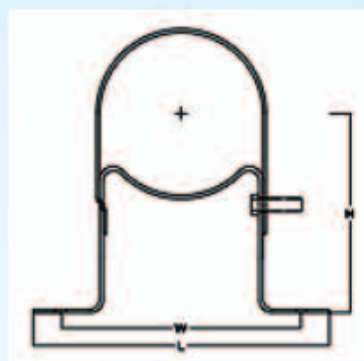
Mild Steel. Also other materials can be provided on request

### MAXIMUM TEMPERATURE:

343°C (650°F)

### FINISH AVAILABLE:

Electro-Galvanized, Hot Dip Galvanized, Plain.



Product Code	Nominal Pipe Size		Pipe OD (mm)	Dimension		
	Inch	mm		L	W	H
KS - AC 2	2 "	DN50	60.3	214	186	83
KS - AC 2.5	2 1/2 "	DN65	73	269	231	113
KS - AC 3	3 "	DN80	88.9	284	246	113
KS - AC 110	-		110	298	259	113
KS - AC 4	4 "	DN100	114.3	311	271	113
KS - AC 5	5 "	DN125	141.3	386	336	138
KS - AC 6	6 "	DN150	168.3	411	361	138
KS - AC 8	8 "	DN200	219.1	469	419	138

## NAIL CLAMP

### APPLICATION:

Recommended for vertical installation of steel, copper and PVC pipes.

Suitable for installation without vibration control requirements.

### CONSTRUCTION:

AN OFFSET HANGER consists of piece of steel shaped to the proper Configuration as shown in the diagram.

### MATERIALS:

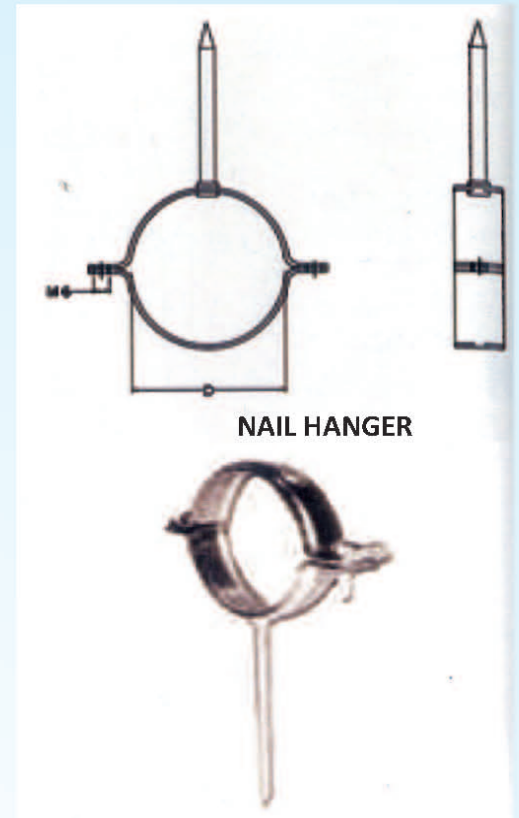
Steel. Also other materials can also be provided on request

### MAXIMUM TEMP:

343°C (650°F)

### FINISH AVAILABLE:

Plain, Hot Dip Galvanized, Electro-Galvanized.



NAIL HANGER

Product Code	Size (Inches)	D (mm)	Screw Size	Shaft Size Square Rod (Side X Length) (mm)
KS-NC 0.5	1/2"	22	M6 X 20	6 X 65
KS-NC 0.75	3/4"	28	M6 X 20	6 X 65
KS-NC 01	1"	35	M6 X 20	6 X 65
KS-NC 1.25	1-1/4"	42	M6 X 20	6 X 65
KS-NC 1.5	1-1/2"	48	M6 X 20	6 X 65
KS-NC 54	-	54	M6 X 20	6 X 65
KS-NC 02	2"	60	M6 X 20	6 X 65
KS-NC 67	-	67	M6 X 20	6 X 65
KS-NC 2.5	2-1/2"	75	M6 X 20	8 X 90
KS-NC 82	-	82	M6 X 20	8 X 90
KS-NC 90	3"	90	M6 X 20	8 X 90
KS-NC 3.5	3-1/2"	100	M6 X 20	8 X 90
KS-NC 108	-	108	M6 X 20	8 X 90
KS-NC 4	4"	115	M6 X 20	8 X 90
KS-NC 126	-	126	M6 X 20	8 X 90
KS-NC 5	5"	140	M6 X 20	8 X 90
KS-NC 148	-	148	M6 X 20	8 X 90
KS-NC 155	-	155	M6 X 20	8 X 90
KS-NC 6	6"	167	M6 X 20	8 X 90
KS-NC 179	-	179	M6 X 20	8 X 90
KS-NC 190	-	190	M6 X 20	8 X 90
KS-NC 205	-	205	M6 X 20	8 X 90
KS-NC 8	8"	219	M6 X 20	8 X 90



## GALVANISED HOSE CLAMPS

### Construction Details :

- Galvanised
- Thickness  
2" = 1.6 mm. X 25 mm.  
3" = 1.6 mm. X 25 mm.  
4" = 1.8 mm. X 25 mm.
- Bolt Sizes  
2" = 10 mm.  
3" = 10 mm.  
4" = 10 mm.



## GALVANISED G CLAMPS

**Bolt :** M10 X 25 MM

**Material :** Carbon Steel

**Thickness :** 3.0 MM

**Finish :** Electro Galvanized, Hotdip Galvanized

**Dimensions :** Mention in above drawing



## U BOLT

### APPLICATION:

U-Bolts are used to secure piping to structural members. When the piping is below the structural member, the U-Bolt provides vertical support and restricts lateral movement while allowing for axial movement. When the piping system is above the structural member, the U-Bolt restricts lateral movement and upward movement while allowing axial movement of the piping.

### CONSTRUCTION:

U-Bolt is provided with four standard hex nuts and has a longer straight threaded length.

### MATERIALS:

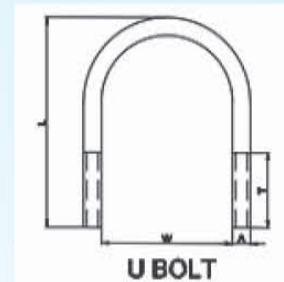
Mild Steel. Also other materials can be provided on request

### MAXIMUM TEMPERATURE:

399°C (750°F)

### FINISH AVAILABLE:

Electro-Galvanized, Hot Dip Galvanized, Plain



U BOLT



Product Code	Nominal Pipe Size		Pipe OD (mm)	Material Dimension (mm)			Bolt Size (mm) A	MAX LOAD (KG)
	In.	mm		Rod Dia. W	Height L	Thread Length T		
KS- UB 0.5	½"	DN15	21.3	21	65	50	M10	550
KS- UB 0.75	¾"	DN20	26.7	27	77	50	M10	550
KS- UB 01	1"	DN25	33.4	34	85	50	M10	550
KS- UB 1.25	1 ¼"	DN32	42.1	43	93	50	M10	550
KS- UB 1.5	1 ½"	DN40	48.2	48	100	50	M10	550
KS- UB 2	2"	DN50	60.3	60	110	50	M10	550
KS- UB 2.5	2 ½"	DN65	73.0	76	127	50	M12	900
KS- UB 3	3"	DN80	88.9	89	140	50	M12	900
KS- UB 4	4"	DN100	114.3	115	165	50	M12	900
KS- UB 5	5"	DN125	141.3	140	190	50	M12	900
KS- UB 6	6"	DN150	168.3	168	220	50	M12	900
KS- UB 8	8"	DN200	219.1	219	295	75	M16	1900
KS- UB 10	10"	DN250	273.0	273	370	100	M20	3200
KS- UB 12	12"	DN300	323.8	324	420	100	M20	3200
KS- UB 14	14"	DN350	355.6	356	455	100	M20	3200
KS- UB 16	16"	DN400	406.4	406	505	100	M20	3200
KS- UB 18	18"	DN450	457.2	457	555	100	M24	4400
KS- UB 20	20"	DN500	508.0	508	605	100	M24	4400
KS- UB 24	24"	DN600	609.6	610	710	100	M24	4400

- Also can manufacture with different Rod size as per requirement.

### Note :

U bolt of all Non Standard Sizes to fit upon Rubber Support Insert can be manufactured.

## Chrome Plated Brass Sanitary Fittings



C.P. Ext 1/2 X 10 mm"



C.P. Ext 1/2 X 15 mm"



C.P. Ext 1/2 X 20 mm"



C.P. Ext 1/2 X 25 mm"



C.P. Ext 1/2 X 30 mm"



C.P. Ext 1/2 X 40 mm"



C.P. Ext 1/2 X 50 mm"



C.P. Ext 1/2 X 60 mm"



C.P. Red Ext  
1/2 X 3/8 X 10 mm"



C.P. Red Ext  
1/2 X 3/8 X 15 mm"



C.P. Red Ext  
3/4 X 1/2 X 10 mm"



C.P. Red Ext  
3/4 X 1/2 X 15 mm"



C.P. Hex Nipple 1/2" X 1/2"



C.P. Hex Nipple 3/4" X 3/4"



C.P. Hex Nipple 1" X 1"



C.P. Hex Nipple 1/2" X 3/8"



C.P. Red Hex Nipple 3/4" X 1/2"



C.P. Red Hex Bush 1/2" X 1/4"



C.P. Red Hex Bush 1/2" X 3/8"



C.P. Red Hex Bush 3/4" X 1/2"



C.P. Red Hex Bush 1" X 1/2"



C.P. Red Hex Bush 1" X 3/4"



C.P. 3 Pcs. Connector 1/2" X 3/8"



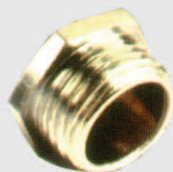
C.P. Conical Nut 1/2" X 3/8"



## Chrome Plated Brass Sanitary Fittings



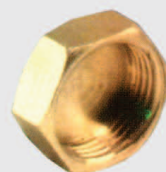
C.P. Plug 1/2"



C.P. Plug 3/4"



C.P. End Cap 1/2"



C.P. End Cap 3/4"



C.P. Elbow 1/2"



C.P. Elbow 3/4"



C.P. Elbow 1"



C.P. Tee 1/2"



C.P. Tee 3/4"



C.P. Tee 1"



C.P. Socket 1/2"



C.P. Socket 3/4"



C.P. Socket 1"



C.P. Red Socket 3/4" x 1/2"



C.P. M/F Elbow 1/2"



C.P. Long Nipple 1/2" X 3/4"



C.P. Long Nipple 1/2" X 3"



C.P. Long Nipple 1/2" X 4"



C.P. Long Nipple 1/2" X 5"



C.P. Long Nipple 1/2" X 6"



Kim Nipple 1/2"



Kim Nipple 3/4"



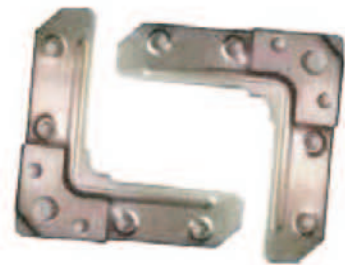
Kim Nipple 1"



Brass Double Tank Connector 1"

## ACCESSORY SERIES

### Duct Corner Piece



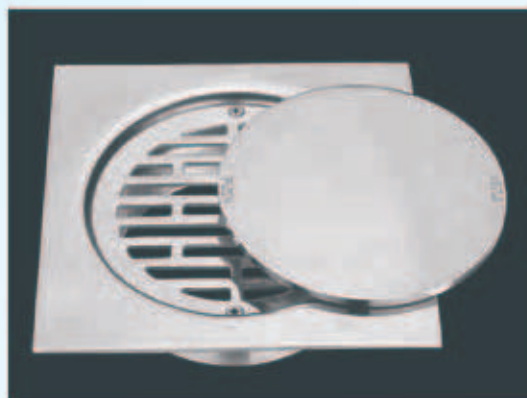
### G - Clamp



## FLOOR DRAINS

### Stainless Steel Floor Drains – Non Magnetic

**SS FLOOR DRAINOUT 3PC GRADE  
NON MAGNETIC  
(BODY + SCREWED GRATING + LID)**



**Technical Discription:**

200mm x 200mm x 102mm Fits Inside 4"Pipe  
150mm x 150mm x 102mm Fits Inside 4"Pipe  
109mm x 109mm x 78mm Fits Inside 3"Pipe  
79mm x 79mm x 51mm Fits Inside 2"Pipe

**SS FLOOR CLEANOUT 2PC. - NON  
MAGNETIC  
(BODY + LID)**



**Technical Discription:**

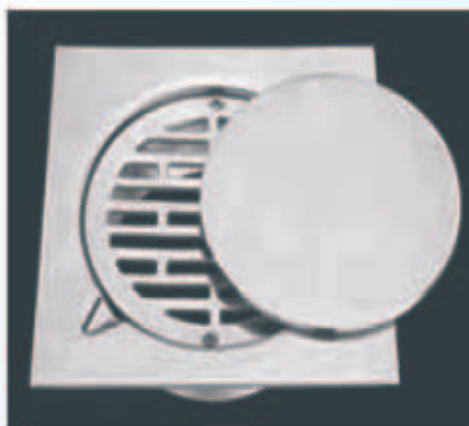
150mm x 150mm x 102mm Fits Inside 4"Pipe  
109mm x 109mm x 78mm Fits Inside 3"Pipe  
79mm x 79mm x 51mm Fits Inside 2"Pipe  
63 mm x63 mm x38 mm Fits Inside 1.1/2"Pipe

### SS Floor Grating 2pc. - Non Magnetic (Body + Screwed Grating)



**Technical Discription:**

200mm x 200mm x 102mm Fits Inside 4"Pipe  
150mm x 150mm x 102mm Fits Inside 4"Pipe  
109mm x 109mm x 78mm Fits Inside 3"Pipe  
79mm x 79mm x 51mm Fits Inside 2"Pipe  
63 mm x63 mm x38 mm Fits Inside 1.1/2"Pipe

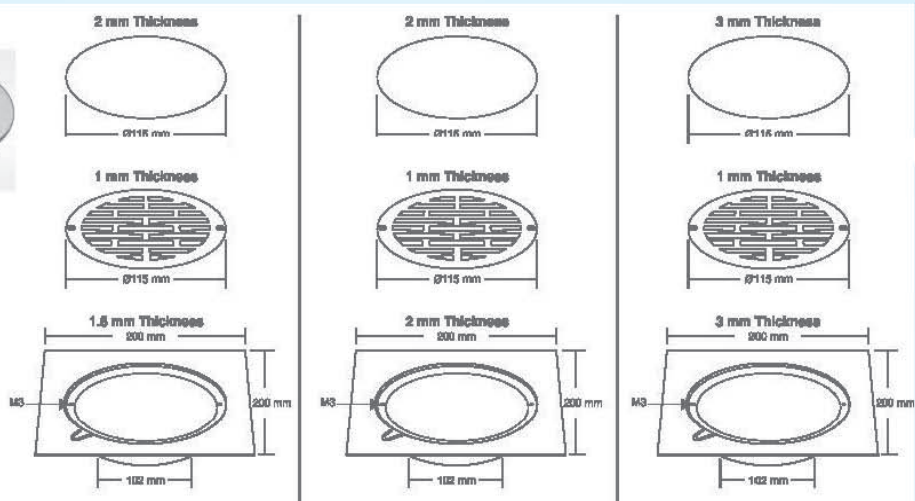
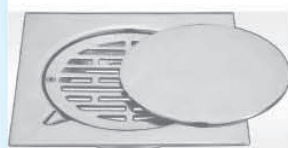


**Thumb Type**



# FLOOR DRAINS

200 mm x 200 mm (3 PC.)



200 mm x 200 mm (3 PC.)



150 mm x 150 mm (3 PC.)



100 mm x 100 mm (3 PC.)



200 mm x 200 mm (2 PC.)



150 mm x 150 mm (2 PC.)



100 mm x 100 mm (2 PC.)



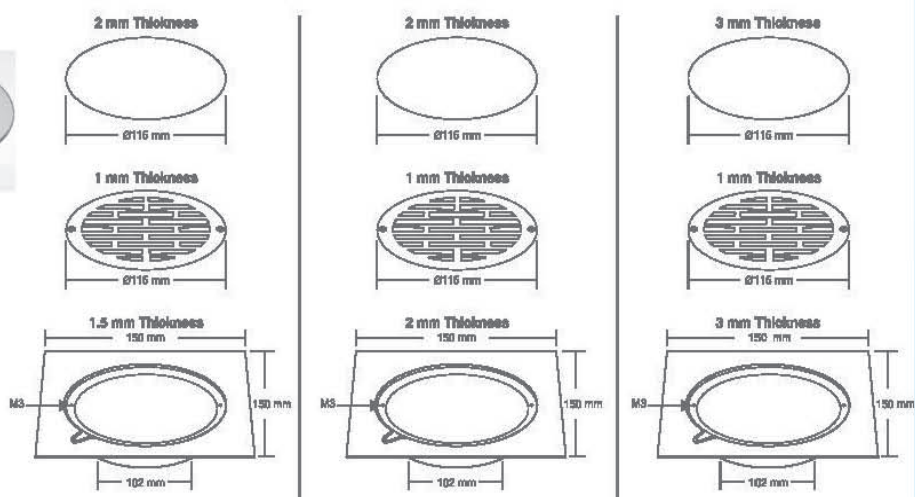
79 mm x 79 mm (2 PC.)

## Clean Out



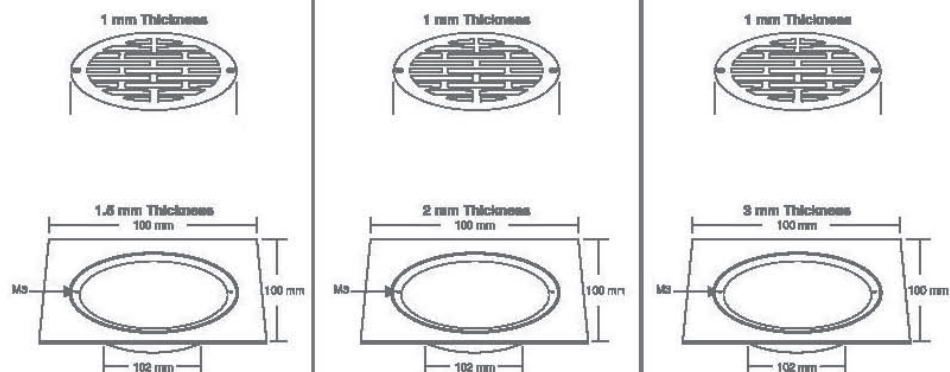
150 mm x 150 mm (2 PC.)

150 mm x 150 mm (3 PC.)

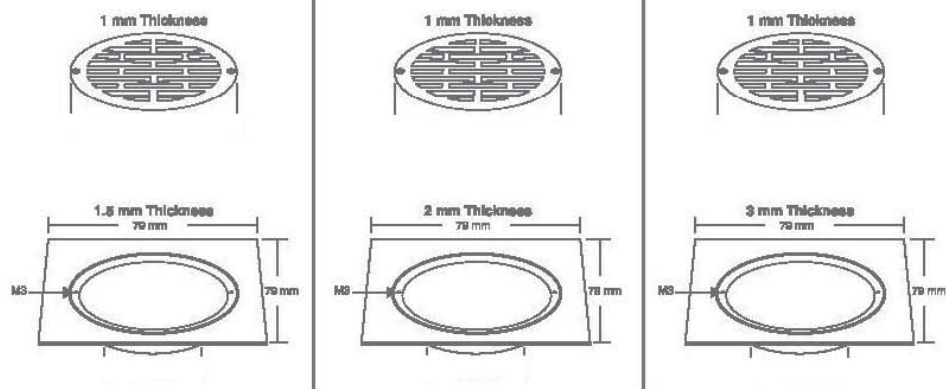


# FLOOR DRAINS

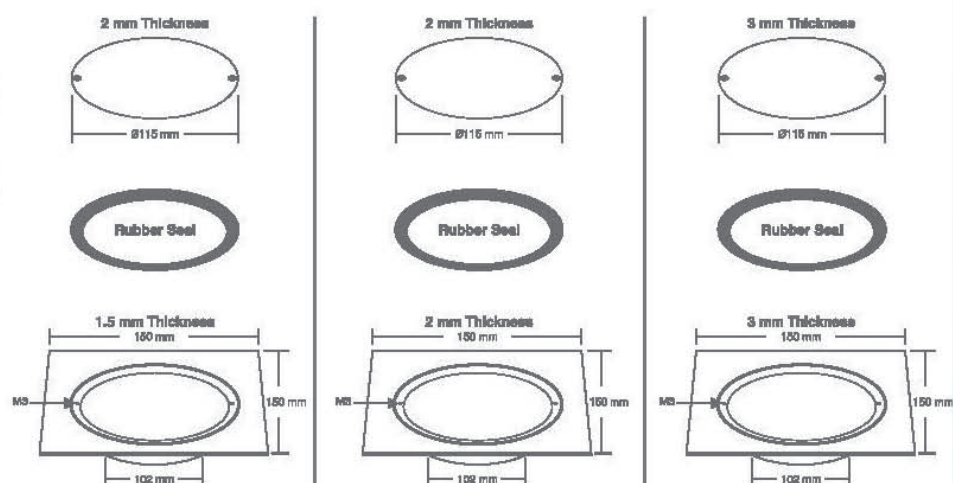
100 mm x 100 mm (2 PC.)



79 mm x 79 mm (2 PC.)

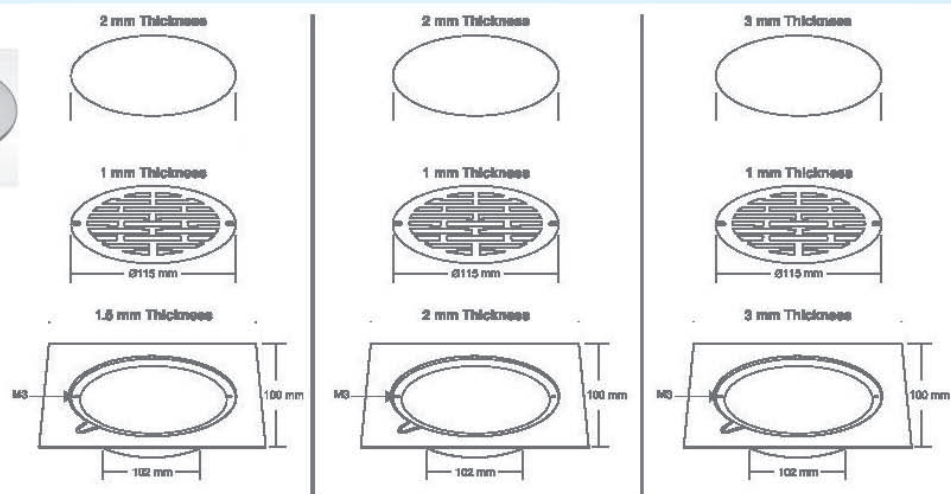
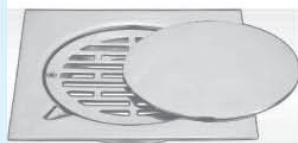


Clean Out  
150 mm x 150 mm (2 PC.)

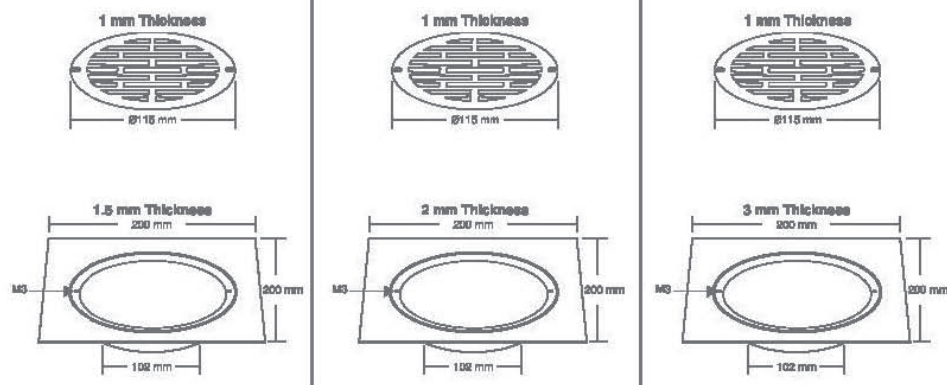


# FLOOR DRAINS

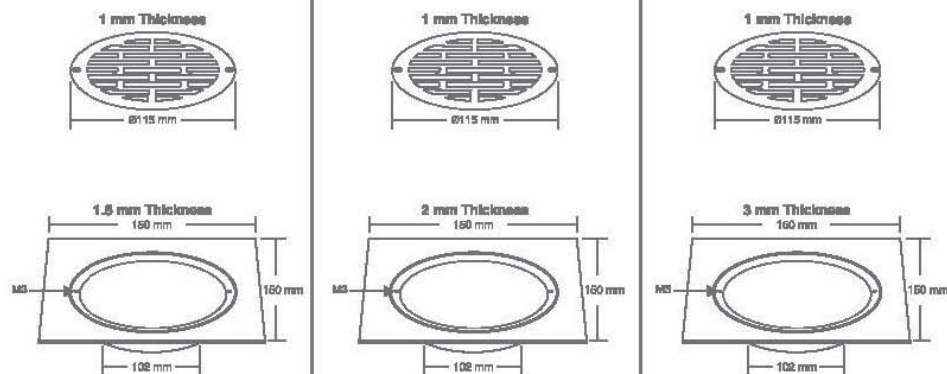
100 mm x 100 mm (3 PC.)



200 mm x 200 mm (2 PC.)



150 mm x 150 mm (2 PC.)





# HEX BOLTS

Hex Head and Heavy Hex Head in Full and Partial Threading

## Standards:-

- ASTM/ASME/BS/DIN/BS EN ISO /JIS

## Material:-

- Mild Steel, Carbon Steel, Alloy Steel & Stainless Steel.

## Size Range:-

- M6 to M64 in metric series
- ¼" to 2½" in imperial
- Bigger sizes can be manufactured as per order.

## Threads:-

- UNC, 8UN, UNF, Metric Coarse and Metric Fine

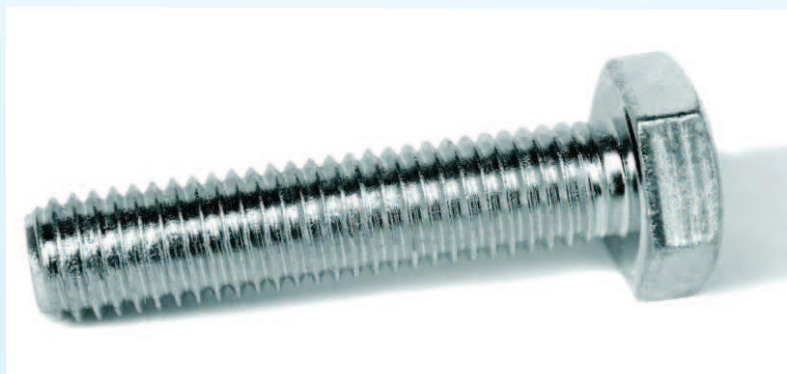
## Typical Grades & Standards:-

- BS3692 / BS4190 grade 4.6, 4.8, 5.6, 5.8, 8.8, 10.9 and 12.9
- ASTM A307 Grade A and B
- ASTM A325
- ASTM A193 Grade B7, B7M, B8, B8M & B16
- ASTM A320 Grade L7 & L7M
- Stainless Steel 304, 304L, 316, 316L, A2-70/80, A4-70/80

Any other specific grade can be manufactured upon request with short lead times.

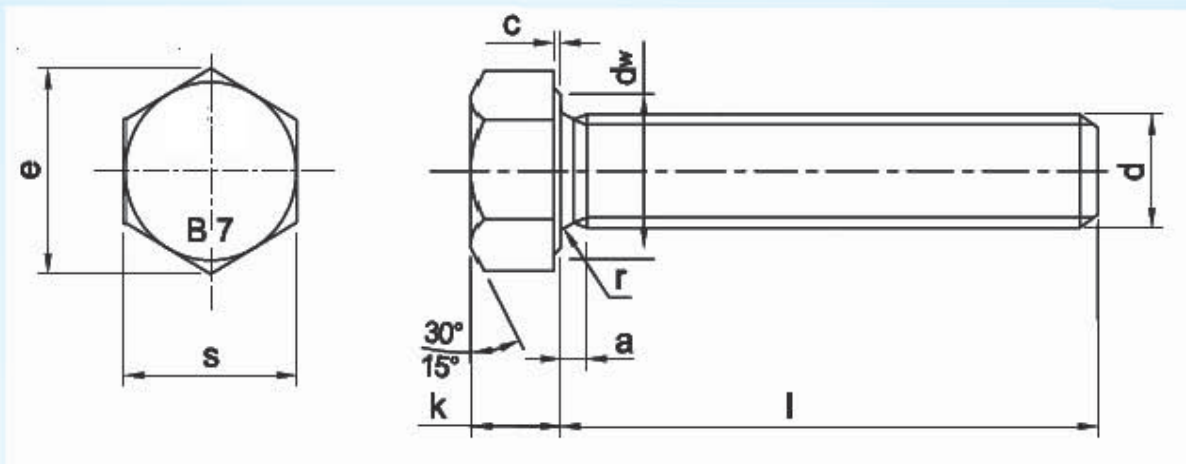
## Ordering Information:-

- Dimensions – Size Dia and Length.
- Standards and Grade
- Finish (Black, GI, Yellow, HDG, Cadmium, Nickel, PTFE etc)
- Nut and washer quantity



## DIN 93 HEXAGON HEAD BOLT

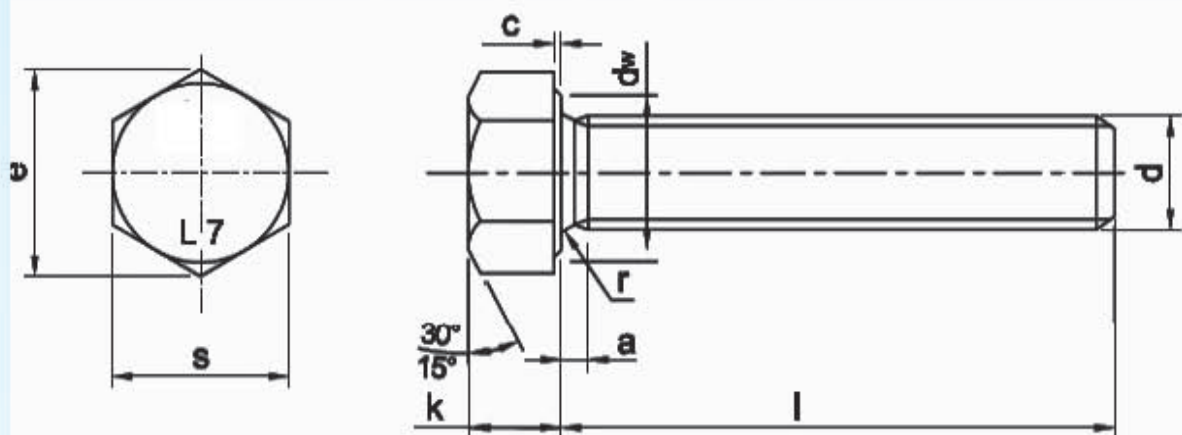
### Material ASTM A193 Grade B7



Threads (d)		M6	M8	M10	M12	M16	M20	M24	M27	M30	M33	M36	M39	M42	M45	M52
Across flat (s)	Min	9.78	12.73	16.73	18.67	23.67	29.67	35.38	40.00	45.00	49.00	53.80	58.80	63.10	68.10	78.10
	Max	10.00	13.00	17.00	19.00	24.00	30.00	36.00	41.00	46.00	50.00	55.00	60.00	65.00	70.00	80.00
Across corner(e)	Min	11.05	14.38	18.90	21.10	26.75	33.53	39.98	45.20	50.85	55.37	60.79	66.44	71.30	76.95	88.25
Head Thickness(k)	Min	3.85	5.15	6.22	7.32	9.82	12.28	14.78	16.65	18.28	20.58	22.08	24.58	25.58	27.58	32.50
	Max	4.15	5.45	6.58	7.68	10.18	12.72	15.22	17.35	19.12	21.42	22.92	25.42	26.42	28.42	33.50
Unthreaded Length (a)	Min	1.00	1.25	1.5	1.75	2.00	2.50	3.00	3.00	3.50	3.50	4.00	4.00	4.50	4.50	5.00
	Max	3.00	4.00	4.50	5.30	6.00	7.50	9.00	9.00	10.50	10.50	12.00	12.00	13.50	13.50	5.00
Washer face Depth (c)	Min	0.15	0.15	0.15	0.15	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30
	Max	0.50	0.60	0.60	0.60	0.80	0.80	0.80	0.80	0.80	0.80	0.80	1.00	1.00	1.00	1.00
Washer face Dia (dw)	Min	8.88	11.63	15.60	17.40	22.49	28.19	33.61	38.00	42.70	46.50	51.10	55.90	55.90	64.70	74.20
Head Junction Radius(r)	Min	0.25	0.40	0.40	0.60	0.60	0.80	0.80	1.00	1.00	1.00	1.00	1.00	1.20	1.20	1.60

## DIN 933 HEXAGON HEAD BOLT

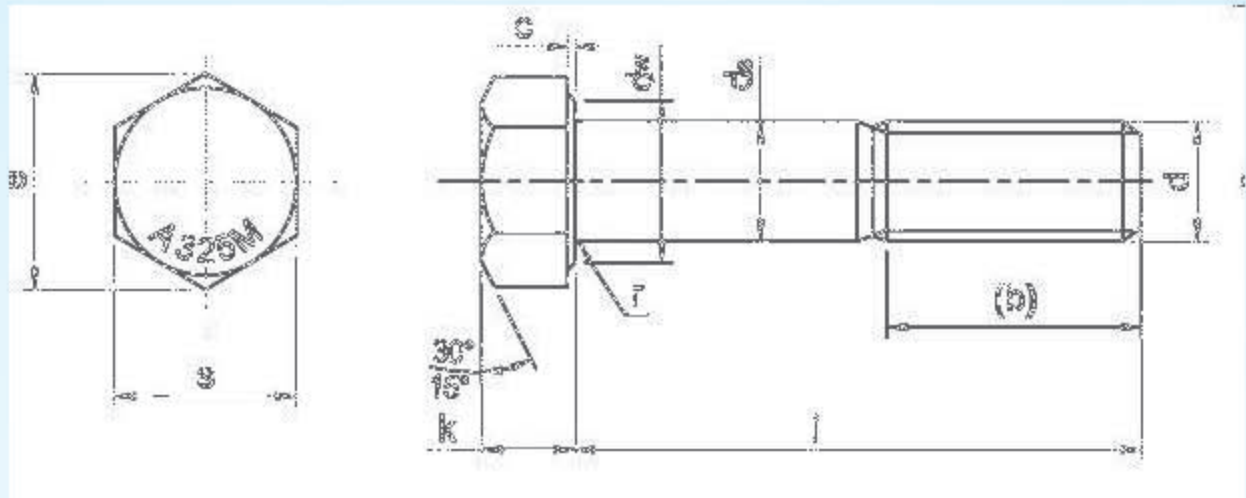
### Material ASTM A320 Grade L7



A320 L7 HEX BOLTS																
Threads (d)		M6	M8	M10	M12	M16	M20	M24	M27	M30	M33	M36	M39	M42	M45	M52
Across flat (s)	Min	9.78	12.73	16.73	18.7	23.67	29.67	35.38	40.00	45.00	49.00	53.80	58.80	63.10	68.10	78.10
	Max	10.00	13.00	17.00	19.00	24.00	30.00	36.00	41.00	46.00	50.00	55.00	60.00	65.00	70.00	80.00
Across corner(e)	Min	11.05	14.38	18.90	21.10	26.75	33.53	39.98	45.20	50.85	55.37	60.79	66.44	71.30	76.95	88.25
Head Thickness(k)	Min	3.85	5.15	6.22	7.32	9.82	12.28	14.78	16.65	18.28	20.58	22.08	24.58	25.58	27.58	32.50
	Max	4.15	5.45	6.58	7.68	10.18	12.72	15.22	17.35	19.12	21.42	22.92	25.42	26.42	28.42	33.50
Unthreaded Length (a)	Min	1.00	1.25	1.5	1.75	2.00	2.50	3.00	3.00	3.50	3.50	4.00	4.00	4.50	4.50	5.00
	Max	3.00	4.00	4.50	5.30	6.00	7.50	9.00	9.00	10.50	10.50	12.00	12.00	13.50	13.50	5.00
Washer face Depth (c)	Min	0.15	0.15	0.15	0.15	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30
	Max	0.50	0.60	0.60	0.60	0.80	0.80	0.80	0.80	0.80	0.80	0.80	1.00	1.00	1.00	1.00
Washer face Dia (dw)	Min	8.88	11.63	15.60	17.40	22.49	28.19	33.61	38.00	42.70	46.50	51.10	55.90	55.90	64.70	74.20
Head junction Radius(r)	Min	0.25	0.40	0.40	0.60	0.60	0.80	0.80	1.00	1.00	1.00	1.00	1.00	1.20	1.20	1.60



## ASTM A325M HEX BOLTS



A325M HEX BOLTS								
Threads (d)		M16	M20	M24	M27	M30	M33	M36
Across flat (s)	Min	26.16	33.00	35.00	40.00	45.00	49.00	58.80
	Max	27.00	34.00	36.00	41.00	46.00	50.00	60.00
Across corner(e)	Min	29.56	37.29	39.55	45.20	50.85	55.37	66.44
	Max	31.18	39.26	41.57	47.34	53.12	57.74	69.28
Head Thickness(k)	Min	9.25	11.60	13.10	14.10	16.10	17.65	21.45
	Max	10.75	13.40	14.90	15.90	17.90	19.75	23.55
Washer face Depth (c)	Min	0.40	0.40	0.40	0.40	0.40	0.40	0.40
	Max	0.80	0.80	0.80	0.80	0.80	0.80	0.80
Washer face Dia (dw)	Min	24.90	31.40	33.30	38.00	42.80	46.50	55.90
Shank Diameter (d s)	Min	15.30	19.16	21.16	23.16	26.16	29.16	35.00
	Max	16.70	20.84	22.84	24.84	27.84	30.84	37.00
Head Junction Radius(r)	Min	0.60	0.80	0.80	1.00	1.20	1.20	1.50
Thread Length (b)	1<100	31	36	38	41	44	49	56
	1>100	38	43	45	48	51	56	63

l = Overall length of the Bolt

## ALLEN BOLT SCREW

Socket Screws are also known as Allen Head Bolts and are fastened with a hex Allen wrench. Socket Screws are available in various head styles and materials.

### Standards:-

- DIN/BS EN ISO

### Materials:-

- Alloy Steel & Stainless Steel (304, 304L, 316, 316L)

### Size Range:-

- M5 to M24 in metric series
- Bigger sizes can be manufactured as per order.

### Threads:-

- Metric Coarse and Metric Fine

### Typical Grades & Standards:-

- A2-70/80, A4-70/80
- DIN 912
- DIN 7991
- ISO 7380

Any other specific grade can be manufactured upon request with short lead times.

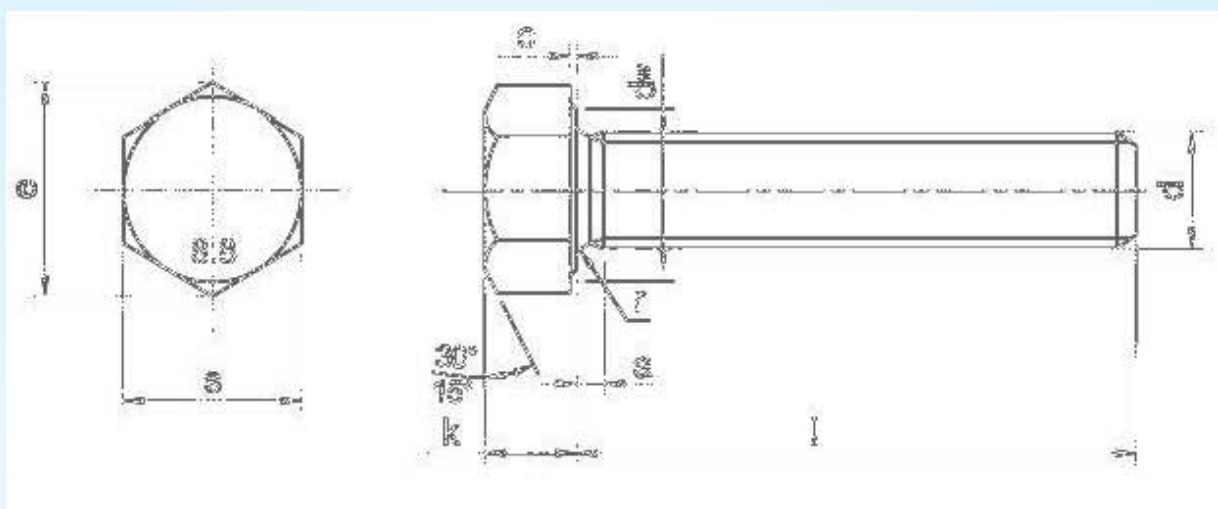
### Ordering information:-

- Dimensions - Size Dia and Length.
- Standard and Material Grade
- Nut and Washer quantity



## DIN 931 HEX BOLTS (HALF THREAD)

Grades - 4.6, 8.8, A2 70, A2 80, A4 70 and A4 80

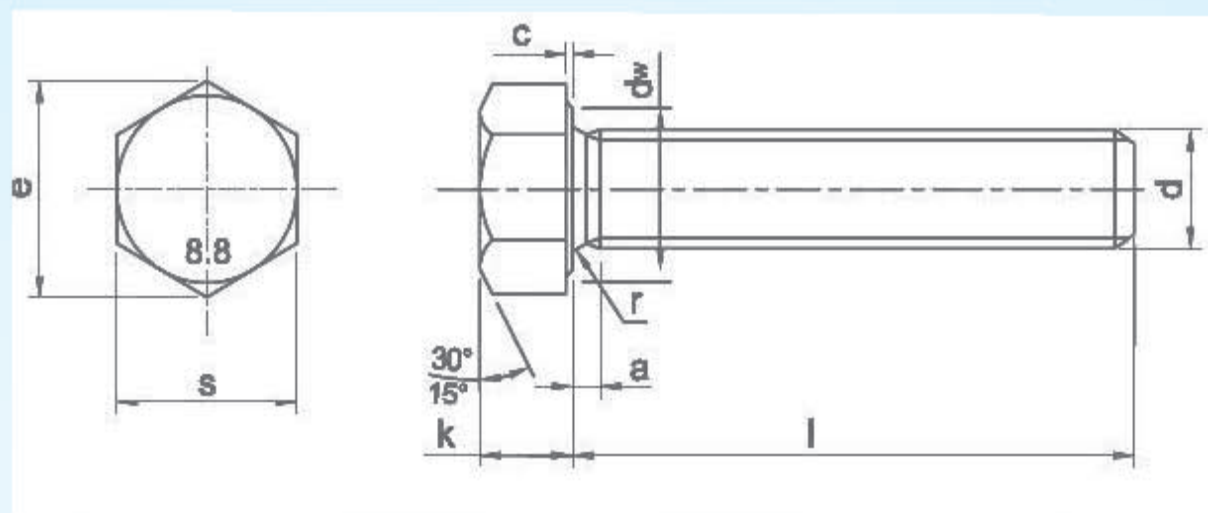


A320 L7 HEX BOLTS																
Threads (d)		M6	M8	M10	M12	M16	M20	M24	M27	M30	M33	M36	M39	M42	M45	M52
Across flat (s)	Min	9.78	12.73	16.73	18.7	23.67	29.67	35.38	40.00	45.00	49.00	53.80	58.80	63.10	68.10	78.10
	Max	10.00	13.00	17.00	19.00	24.00	30.00	36.00	41.00	46.00	50.00	55.00	60.00	65.00	70.00	80.00
Across corner(e)	Min	11.05	14.38	18.90	21.10	26.75	33.53	39.98	45.20	50.85	55.37	60.79	66.44	71.30	76.95	88.25
Head Thickness(k)	Min	3.85	5.15	6.22	7.32	9.82	12.28	14.78	16.65	18.28	20.58	22.08	24.58	25.58	27.58	32.50
	Max	4.15	5.45	6.58	7.68	10.18	12.72	15.22	17.35	19.12	21.42	22.92	25.42	26.42	28.42	33.50
Washer face Depth (c)	Min	0.15	0.15	0.15	0.15	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30
	Max	0.50	0.60	0.60	0.60	0.80	0.80	0.80	0.80	0.80	0.80	0.80	1.00	1.00	1.00	1.00
Washer face D/a (dw)	Min	0.15	0.15	0.15	0.15	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30
	Max	0.50	0.60	0.60	0.60	0.80	0.80	0.80	0.80	0.80	0.80	0.80	1.00	1.00	1.00	1.00
Shank Diameter (ds)	Min	5.82	7.78	9.78	11.73	15.73	19.67	23.67	27.00	30.00	33.00	36.00	39.00	42.00	45.00	52.00
	Max	6.00	8.00	10.00	12.00	16.00	20.00	24.00	26.48	29.48	32.38	35.38	38.38	41.38	44.38	51.26
Head Junction Radius(r)	Min	0.25	0.40	0.40	0.60	0.60	0.80	0.80	1.00	1.00	1.00	1.00	1.00	1.20	1.20	1.60
Thread Length (b)	1<125*	18	22	26	30	38	46	54	60	66						
	125<200	24	28	32	36	44	52	60	66	72	78	84	90	96	102	116
	1>200*	37	41	45	49	57	65	73	79	85	91	97	103	109	115	129

L = Overall length of the Bolt



# **DIN 933 HEX SCREWS (FULL THREAD)** **Grades 4.6, 8.8, 10.9, 12.9, A2 70, A2 80, A4 70 and A4 80**



Threads (d)		M6	M8	M10	M12	M16	M20	M24	M27	M30	M33	M36	M39	M42	M45	M52
Across flat (s)	Min	9.78	12.73	16.73	18.7	23.67	29.67	35.38	40.00	45.00	49.00	53.80	58.80	63.10	68.10	78.10
	Max	10.00	13.00	17.00	19.00	24.00	30.00	36.00	41.00	46.00	50.00	55.00	60.00	65.00	70.00	80.00
Across corner(e)	Min	11.05	14.38	18.90	21.10	26.75	33.53	39.98	45.20	50.85	55.37	60.79	66.44	71.30	76.95	88.25
Head Thickness(k)	Min	3.85	5.15	6.22	7.32	9.82	12.28	14.78	16.65	18.28	20.58	22.08	24.58	25.58	27.58	32.50
	Max	4.15	5.45	6.58	7.68	10.18	12.72	15.22	17.35	19.12	21.42	22.92	25.42	26.42	28.42	33.50
Unthreaded Length (a)	Min	1.00	1.25	1.5	1.75	2.00	2.50	3.00	3.00	3.50	3.50	4.00	4.00	4.50	4.50	5.00
	Max	3.00	4.00	4.50	5.30	6.00	7.50	9.00	9.00	10.50	10.50	12.00	12.00	13.50	13.50	5.00
Washer face Depth (c)	Min	0.15	0.15	0.15	0.15	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30
	Max	0.50	0.60	0.60	0.60	0.80	0.80	0.80	0.80	0.80	0.80	0.80	1.00	1.00	1.00	1.00
Washer face Dia (dw)	Min	8.88	11.63	15.60	17.40	22.49	28.19	33.61	38.00	42.70	46.50	51.10	55.90	55.90	64.70	74.20
Head junction Radius(r)	Min	0.25	0.40	0.40	0.60	0.60	0.80	0.80	1.00	1.00	1.00	1.00	1.00	1.20	1.20	1.60

## NUTS

Standard Hex Nut, Heavy Hex Nut, Hex Coupling Nut, Nylon Lock Nut, Spring Nut, Dome Nut and Wing Nut

### Standards:-

- ASTM/ASME/BS/DIN/BS EN ISO /JIS

### Material:-

- Mild Steel, Carbon Steel, Alloy Steel & Stainless Steel.

### Size Range:-

- M6 to M64 in metric series
- ¼" to 2-½" in imperial
- Bigger sizes can be manufactured as per order.

### Threads:-

- UNC, 8UN, UNF, Metric Coarse and Metric Fine

### Typical Grades & Standards:-

- DIN 934 Class 4, 8, 10, 12, A270, A280, A470 and A480
- ASTM A194/A194M Grades 2H, 2HM, 4L, 7L and 7LM
- ASTM A563/563M Grades 8, 10S, A, B, C, D, DH, DH3

### Ordering Information:-

- Dimensions - Size.
- Standard and Grade
- Finish (Black, GI, Yellow, HDG, Cadmium, Nickel, PTFE etc)



# WASHERS

Plain Washers, Spring Lock Washers and Hardened Steel Washers

**Standards:-**

- ASTM/ASME/BS/DIN/BS EN ISO /JIS

**Material:-**

- Mild Steel, Carbon Steel, Alloy Steel & Stainless Steel.

**Size Range:-**

- M6 to M64 in metric series
- ¼" to 2-½" in imperial
- Bigger sizes can be manufactured as per order.

**Typical Grades & Standards:-**

- DIN 125/A
- DIN 127/B
- DIN 9021
- ASTM F436 and F436M

Any other specific grade can be manufactured upon request with short lead times

**Ordering information:-**

- Dimensions – Size.
- Standard and Grade
- Finish (Black, GI, Yellow, HDG, Cadmium, Nickel, PTFE etc.)







# KARISHMA STEEL

**AN ISO 9001 : 2015 CERTIFIED COMPANY**



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**Website : [www.karishmasteels.com](http://www.karishmasteels.com)**



شهادة قيد السجل التجاري  
Commercial Registration Certificate

The Registration Directorate at the Ministry of Industry, Commerce and Tourism certifies that the merchant's below details have been registered in accordance with Decree law No. (27) for the year 2015 of the Commercial Registration.

تشهد إدارة التسجيل بوزارة الصناعة والتجارة والسياحة بأنه قد تم قيد التاجر المسجلة بياناته أدناه وذلك وفقاً للمرسوم بقانون رقم (27) لسنة 2015 بشأن السجل التجاري.

Due Date	03/08/2023	تاريخ الاستحقاق	Registration Date	03/08/2008	تاريخ القيد	Registration No.	69503 - 1	رقم القيد
Group Name	STEELMARK MIDEAST W.L.L				ستيل مارك ميد إيست ذ.م.م			اسم المجموعة
Commercial Name	STEELMARK MIDEAST W.L.L				ستيل مارك ميد إيست ذ.م.م			الاسم التجاري
Registration Type	With Limited Liability Company				شركة ذات مسئولية محدودة			نوع القيد
CR Status	UNDER MORTGAGE				تحت الرهن			حالة القيد
Commercial Address	P.O.BOX	Area المنطقة	Block مجمع	طريق Road	مبنى Building	شقة/محل Flat/Shop No.	العنوان التجاري	
	ص.ب	MANAMA CENTER / وسط المنامة	304	402	123	32		
Activities				الأنشطة				
Sale/Trade of Stationary, arts and crafts, and office/professional tools and apparatus				تجارة/بيع القرطاسية وأدوات وأجهزة الفنون والحرف اليدوية والأدوات المكتبية والمهنية				
Sale/Trade in other machinery and equipment and parts				تجارة/بيع الآلات والمعدات الأخرى				

\* This CR does not permit its holder to practice investment activities on behalf of others.

\* هذا القيد لا يجيز لصاحبه بمزاولة نشاط استثمار أموال الغير.



إدارة التسجيل  
Registration Directorate

Q.F. 409 Issue 0

Issued Date: 05/07/2022

Page 1 of 1