



A Hub of Fasteners

AT YOUR SERVICE SINCE 1981

SIW

We, at Swastik Industrial Works are leading supplier of Stainless Steel Fasteners in India. With a history of over four decades, SIW is now serving thousands of customers in India and around the world. We are proud to state that SIW as a brand is growing since its establishment & has catered to increasing demand of the market successfully.

Value Proposition “One Stop Solution for all your Fastening needs”

Brand Promise “We deliver quality”



MILESTONES

- 1981** | Started supply of Fasteners from Mumbai
- 1993** | Presence in Pan India
- 2002** | Entered in Export business
- 2004** | Setup of Manufacturing facility for special items
- 2007** | Major focus shifted to Stainless Steel Fasteners
- 2012** | Opened branch in Vapi
- 2016** | Achieved ready Stock of 1500 tons
- 2017** | Opened branch in Chennai



WHY US?

- More than 4 decades of experience in fasteners industry
- One stop solution for all your fastener needs
- Ready stock of more than 2500 tons at our central warehouse
- In-house QC system and Zonal order processing
- Awarded best vendors by Godrej, Voltas and many more...
- Expertise in non-standard products
- Client base of 20000 Traders & 200 Plus OEM'S Pan India, 30 Plus International Customers World Wide



WE DELIVER QUALITY



CORE PURPOSE

To Provide out of the world engineering solutions thus becoming a leading organization in the forefront of economic development

CORE VALUES

- We do what we say
- We do it with integrity
- We execute with speed
- We are accountable for our actions
- We are performance driven

OUR WAREHOUSE



Our Effective and efficient warehousing systems has helped us a lot in Delivering the orders in time and proper Despaching and packing of materials.



*This image is only for illustrative purpose

Specious Warehouse | Systematic Stocking | Well Equipped Storage | Online Tracing

PRODUCT STANDARDS & GRADES

We welcome OEM arrangements and we can manufacture custom specifications according to customers requirements.

Standards	Grades Stainless Steel	High Nickel Material	Carbon Steel	
			Mild Steel Grade	Alloy Steel Grade
DIN	304, 304 L, A2-70, A2-80	Duplex		
ASTM	316, 316 L, A4-70, A4-80	Super Duplex		
IS	410	Monel	4.6	8.8
ISO	420	Inconel	5.6	10.9
BS	321	Titanium	6.8	12.9
ANSI	347	Hast alloy	-	-
AISI	B8 M/ C/ T	Alloy 20	-	-

COATED MATERIAL

GALVANISED COATING



MAGNI
COATING



DECRO
COATING



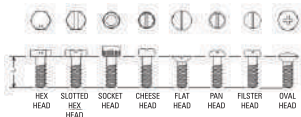
BLACK PASSIVATION



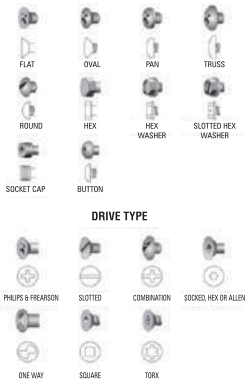
*on bulk order basis

TYPE OF FASTENERS

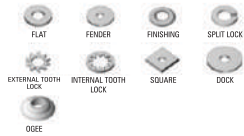
SCREWS



HEAD STYLE



WASHER TYPE



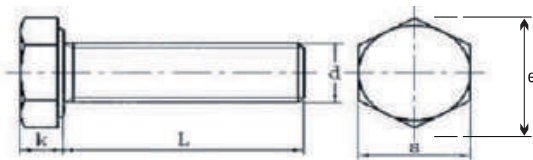
NUT TYPE





HEX SCREW

DIN 933/ IS1363



All measurements in millimeters

Manufacturing Process	Hot Forge	Yes
	Cold Forge	Yes

TECHNICAL SPECIFICATION																			
d	M3	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24	M27	M30	M33	M36	M42	M48
k	2	2.8	3.5	4	5.3	6.4	7.5	8.8	10	11.5	12.5	14	15	17	18.7	21	22.5	26	30
e	6.01	7.66	8.79	11.05	14.38	18.9	21.1	24.49	26.75	30.14	33.53	35.72	39.98	45.2	50.85	55.37	60.79	71.3	82.6
s	5.5	7	8	10	13	17	19	22	24	27	30	32	36	41	46	50	55	65	75

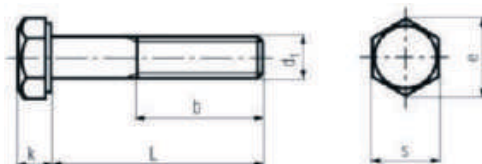
Also available in BS & ANSI standard

Continued...



HEX BOLT

DIN 931/ IS1363



...Continued

All measurements in millimeters

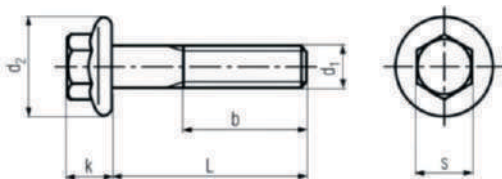
TECHNICAL SPECIFICATION																			
d_1	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24	M27	M30	M33	M36	M42	M45	M48
b* to 125	14	16	18	22	26	30	34	38	42	46	50	54	60	66	72	78	90	96	102
b to 200	—	—	24	28	32	36	40	44	48	52	56	60	66	72	78	84	96	102	108
b over 200	—	—	—	—	45	49	53	57	61	65	69	73	79	85	91	97	109	115	121
k	2.8	3.5	4	5.3	6.4	7.5	8.8	10	11.5	12.5	14	15	17	18.7	21	22.5	26	28	30
e	7.66	8.79	11.05	14.38	18.9	21.1	24.49	26.75	30.14	33.53	35.72	39.98	45.2	50.85	55.37	60.79	71.3	76.95	82.60
s	7	8	10	13	17	19	22	24	27	30	32	36	41	46	50	55	65	70	75

*Dimension for half thread bolt Also available in BS & ANSI standard



FLANGE BOLT

DIN 6921



All measurements in millimeters

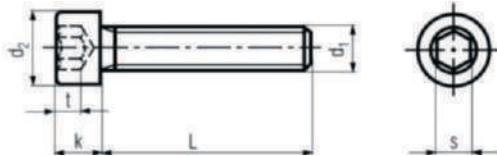
Manufacturing Process	Hot Forge	Yes
	Cold Forge	Yes

TECHNICAL SPECIFICATION

d_1	M4	M5	M6	M8	M10	M12	M14	M16	M20	M24	M30
b	14	16	18	22	26	30	34	38	46	54	66
t_{min}	1.48	1.88	2.38	2.88	3.35	3.85	4.35	5.35	6.32	6.82	8.82
s	3	4	5	6	8	10	12	14	17	19	22
k max	2.8	3.5	4	5	6.5	7.5	8.5	10	12	14	17.5
d_2 max	7	8.5	10	13	16	18	21	24	30	36	45

SOCKET HEAD CAP SCREW/ ALLEN CAP

DIN 912



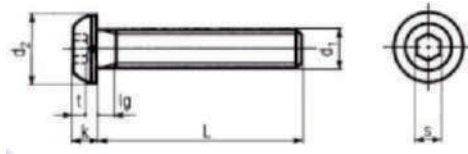
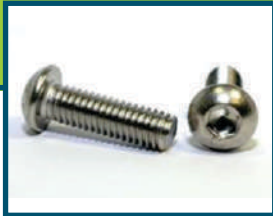
All measurements in millimeters

Manufacturing Process	Hot Forge											Yes				
	Cold Forge											Yes				
TECHNICAL SPECIFICATION																
d_1	M2	M3	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M24	M27	M30	M36
t min	1	1.3	2	2.5	3	4	5	6	7	8	9	10	12	13.5	15.5	19
s	1.5	2.5	3	4	5	6	8	10	12	14	14	17	19	19	22	27
k max	2	3	4	5	6	8	10	12	14	16	18	20	24	27	30	36
d_2	3.8	5.5	7	8.5	10	13	16	18	21	24	27	30	36	40	45	54

Also available in BS & ANSI standard

SOCKET BUTTON HEAD SCREW

ISO 7380



All measurements in millimeters

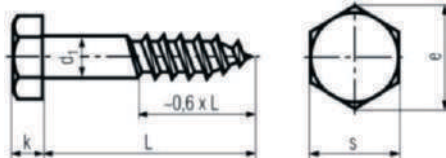
Manufacturing Process		Hot Forge								Yes		
		Cold Forge								Yes		
TECHNICAL SPECIFICATION												
ϕ	M2	M2.5	M3	M3.5	M4	M5	M6	M7	M8	M10	M12	
D2(mm)	3.5	4.5	5.7	6.8	7.5	9.5	10.5	12	14	18	21	
K Max(mm)	1.3	1.5	1.65	2.2	2.2	2.75	3.3	3.8	4.4	5.5	6.6	
T Min(mm)	0.8	1	10.4	1.3	1.3	1.56	20.8	2.2	2.6	3.12	4.16	
S (mm)	1.27	1.5	2	2.5	2.5	3	4	4	5	6	8	
Pitch	0.4	0.45	0.5	0.6	0.7	0.8	1	1	1.25	1.5	1.75	

Also available in BS & ANSI standard



HEX COACH SCREW

DIN 571



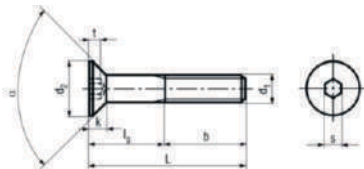
All measurements in millimeters

Manufacturing Process		Hot Forge				Yes	
		Cold Forge				Yes	
TECHNICAL SPECIFICATION							
d_1	M5	M6	M8	M10	M12	M16	
s	8	10	13	17	19	24	
e	8.63	10.89	14.20	18.72	20.88	26.17	
k	3.5	4	5.5	7	8	10	



ALLEN CSK

DIN 7991 | ISO 10642



All measurements in millimeters

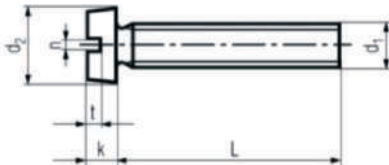
Manufacturing Process		Hot Forge						Yes		
		Cold Forge						Yes		
TECHNICAL SPECIFICATION										
d_1	M3	M4	M5	M6	M8	M10	M12	M16	M16	M24
b	12	14	16	18	22	26	30	38	38	54
t	1.2	1.8	2.3	2.5	3.5	4.4	4.6	5.3	5.3	10.3
s	2	2.5	3	4	5	6	8	10	10	14
k max	1.7	2.3	2.8	3.3	4.4	5.5	6.5	7.5	7.5	14
d_2	6	8	10	12	16	20	24	30	30	39

Also available in BS & ANSI standard



CHEESE HEAD SCREW

DIN 84



All measurements in millimeters

Manufacturing Process	Hot Forge	No
	Cold Forge	Yes

TECHNICAL SPECIFICATION

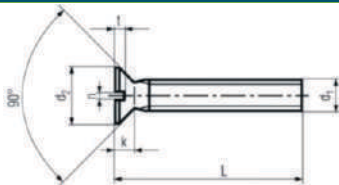
	M2	M3	M4	M5	M6	M8	M10	M12
d_1	M2	M3	M4	M5	M6	M8	M10	M12
t	0.6	0.85	1.1	1.3	1.6	2	2.4	2.4
n	0.5	0.8	1.2	1.2	1.6	2	2.5	2.5
k	1.3	2	2.6	3.3	3.9	5	6	7
d_2	3.8	5.5	7	8.5	10	13	16	18

Also available in BS & ANSI standard



CSK SLOTTED SCREW

DIN 963



All measurements in millimeters

Manufacturing Process	Hot Forge	No
	Cold Forge	Yes

TECHNICAL SPECIFICATION

d_1	M2	M3	M4	M5	M6	M8	M10	M12	M16
d_2	3.8	5.6	7.5	9.2	11	14.5	18	22	29
k max	1.2	1.65	2.2	2.5	3	4	5	6	8
n	0.5	0.8	1	1.2	1.6	2	2.5	3	4
t min	0.4	0.6	0.8	1	1.2	1.6	2	2.4	3.2

Also available in BS & ANSI standard

PAN PHILLIPS MACHINE SCREW

DIN 7985



All measurements in millimeters

Manufacturing Process	Hot Forge						No	
	Cold Forge						Yes	
TECHNICAL SPECIFICATION								
d_1	M2	M3	M4	M5	M6	M8	M10	
d_2	4	6	8	10	12	16	20	
k max	1.72	2.52	3.25	3.95	4.75	6.15	7.68	
Phillips	1	1	2	2	3	4	4	
m approx.	2.5	3.1	4.6	5.3	6.8	9	10.2	
t min.	1.1	1.7	2.04	2.77	3.03	4.18	5.38	
t max.	1.4	2	2.54	3.27	3.53	4.68	5.88	

CSK PHILLIPS MACHINE SCREW

DIN 965

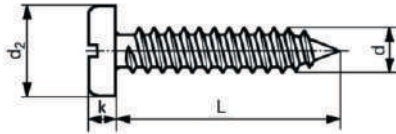


All measurements in millimeters

Manufacturing Process	Hot Forge		Cold Forge		No	
	Cold Forge		Yes			
TECHNICAL SPECIFICATION						
d_1	M2	M3	M4	M5	M6	M8
d_2	3.8	5.6	7.5	9.2	11	14.5
k max	1.2	1.65	2.2	2.5	3	4
Phillips	1	1	2	2	3	4
m approx.	2.35	2.9	4.4	4.6	6.6	8.7
t min.	0.95	1.5	1.9	2.1	2.8	3.9
t max.	1.25	1.8	2.4	2.6	3.3	4.4

PAN SLOTTED SELF TAPPING SCREW

DIN 7971

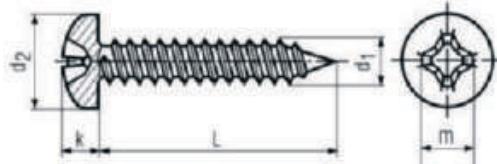


All measurements in millimeters

Manufacturing Process	Hot Forge		Cold Forge		No			
	Cold Forge		Yes					
TECHNICAL SPECIFICATION								
	No. 2	No. 4	No. 6	No. 7	No. 8	No. 10	No. 12	No. 14
d_1	2.2	2.9	3.5	3.9	4.2	4.8	5.5	6.3
d_2	4.2	5.6	6.9	7.5	8.2	9.5	10.8	12.5
k max	1.35	1.75	2.1	2.25	2.45	2.8	3.2	3.65

PAN PHILLIPS SELF TAPPING SCREW

DIN 7981

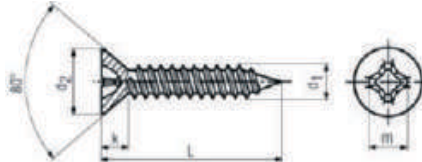


All measurements in millimeters

Manufacturing Process	Hot Forge		Cold Forge		No			
	Cold Forge		Yes					
TECHNICAL SPECIFICATION								
	No. 2	No. 4	No. 6	No. 7	No. 8	No. 10	No. 12	No. 14
d_1	2.2	2.9	3.5	3.9	4.2	4.8	5.5	6.3
k max	1.8	2.2	2.6	2.8	3.05	3.55	3.95	4.55
d_{max}	4.2	5.6	6.9	7.5	8.2	9.5	10.8	12.5
m approx.	2.6	3	4.2	4.4	4.6	5	6.5	7.1

CSK PHILLIPS SELF TAPPING SCREW

DIN 7982

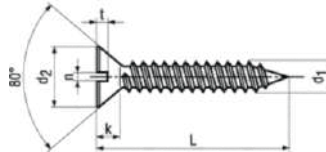


All measurements in millimeters

Manufacturing Process	Hot Forge		Cold Forge		No			
	Cold Forge		Yes					
TECHNICAL SPECIFICATION								
	No. 2	No. 4	No. 6	No. 7	No. 8	No. 10	No. 12	No. 14
d_1	2.2	2.9	3.5	3.9	4.2	4.8	5.5	6.3
d_{max}	4.3	5.5	6.8	7.5	8.1	9.5	10.8	12.4
$k \text{ max}$	1.3	1.7	2.1	2.3	2.5	3	3.4	3.8
$m \text{ approx.}$	2.5	3	4.2	4.6	4.7	5.1	6.8	7.1

CSK SLOTTED SELF TAPPING SCREW

DIN 7972



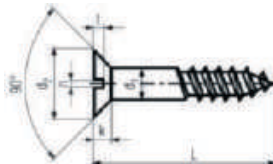
All measurements in millimeters

Manufacturing Process	Hot Forge		No		
	Cold Forge		Yes		
TECHNICAL SPECIFICATION					
	No.4	No.6	No.7	No.8	No.10
d_1	2.9	3.5	3.9	4.2	4.8
d_{max}	5.5	6.8	7.5	8.1	9.5
$k \text{ max}$	1.7	2.1	2.3	2.5	3
n	0.8	1	1	1.2	1.2
$t \text{ min}$	0.5	0.6	0.7	0.75	0.85
L	6.5	6.5	9.5	9.5	13



SCREW WOOD

DIN 97



All measurements in millimeters

Manufacturing Process	Hot Forge	No
	Cold Forge	Yes

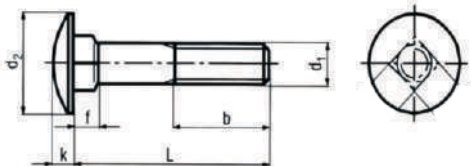
TECHNICAL SPECIFICATION

	M2	M3	M4	M5	M6	M7	M8
d_1							
d_2	3.8	5.6	7.5	9.2	11	12.5	14.5
k max.	1.2	1.65	2.2	2.5	3	3.5	4
n	0.5	0.8	1	1.2	1.6	2	2
t max.	0.6	0.85	1.1	1.3	1.6	1.9	2.1



CARRIAGE BOLT

DIN 603



All measurements in millimeters

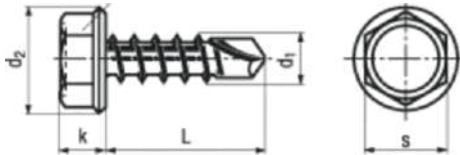
Manufacturing Process	Hot Forge	No
	Cold Forge	Yes

TECHNICAL SPECIFICATION

d_1	M5	M6	M8	M10	M12	M16	M20
d_2 max	13.55	16.55	20.65	24.65	30.65	38.8	46.8
k max	3.3	3.88	4.88	5.38	6.95	8.95	11.05
f max	4.1	4.6	5.6	6.6	8.75	12.9	15.9
b to 125	16	18	22	26	30	38	–
b to 200	–	24	28	32	36	44	–
b over 200	–	–	–	45	49	57	46

HEX HEAD SELF DRILLING SCREW

DIN 7504K

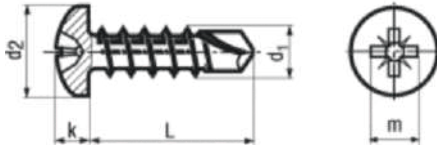


All measurements in millimeters

Manufacturing Process	Hot Forge		No	
	Cold Forge		Yes	
TECHNICAL SPECIFICATION				
	No. 8	No. 10	No. 12	No. 14
d_1	4.2	4.8	5.5	6.3
d_2 max	8.8	10,5	11	13.5
k max	4.25	4.45	5.45	6.45
s	7	8	8	10

PAN HEAD SELF DRILLING SCREW

DIN 7504M



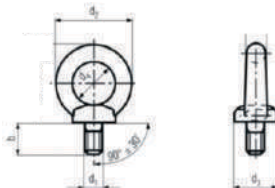
All measurements in millimeters

Manufacturing Process	Hot Forge		No
	Cold Forge		Yes
TECHNICAL SPECIFICATION			
	No. 6	No. 8	No. 10
d_1	3.5	4.2	4.8
d_2 max	7	8	9.5
k max	2.6	3.1	3.7
m	2	2	2



EYE BOLT

DIN 580



All measurements in millimeters

Manufacturing Process	Hot Forge	Yes
	Cold Forge	No

TECHNICAL SPECIFICATION

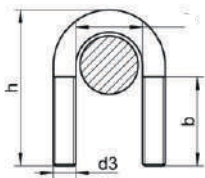
	M 8	M 10	M 12	M 16	M 20	M 24
d_1						
b	13	17	20.5	27	30	36
d_2	36	45	54	63	72	90
d_3	20	25	30	35	40	50
d_4	20	25	30	35	40	50

Also available in BS & ANSI standard



U BOLT

DIN 3570



Manufacturing Process	Hot Forge	No
	Cold Forge	Yes

TECHNICAL SPECIFICATION								
d3	M10	M10	M10	M10	M10	M12	M12	M12
inch	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"
h	65	70	76	86	92	109	125	138
b	33	40	40	50	50	50	50	50

Also available in BS & ANSI standard

ALLEN GRUB

DIN 916



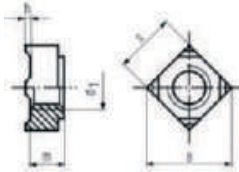
All measurements in millimeters

Manufacturing Process		Hot Forge						No					
		Cold Forge						Yes					
TECHNICAL SPECIFICATION													
d_1	M2	M3	M4	M5	M6	M8	M10	M12	M14	M16	M20	M24	
d_2 max	1	1.4	2	2.5	3	5	6	8	9	10	14	16	
t min*	0.8	1.2	1.5	2	2	3	6	8	9	10	12	15	
s	0.9	1.5	2	2.5	3	4	5	6	6	8	10	12	

Also available in BS & ANSI standard

SQUARE WELD NUT

DIN 928



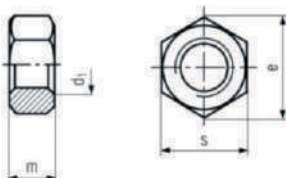
All measurements in millimeters

Manufacturing Process		Hot Forge				No	
		Cold Forge				Yes	
TECHNICAL SPECIFICATION A							
d_1	M4	M5	M6	M8	M10	M12	
e	9	12	13	18	22	25	
h	0.6	0.8	0.8	1	1.2	1.4	
m	3.5	4.2	5	6.5	8	9.5	
s	7	9	10	14	17	19	



HEX NUT

DIN 934 / ANSI B18.2.4.1M



All measurements in millimeters

Manufacturing Process	Hot Forge	Yes
	Cold Forge	Yes

TECHNICAL SPECIFICATION

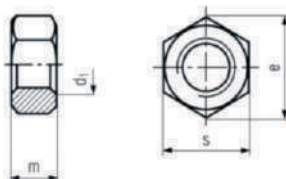
d_i	M1	M1.2	M1.4	M1.6	M1.7	M2	M2.3	M2.5	M2.6	M3	M3.5	M4	M5
s	2.5	3	3	3.2	3.5	4	4.5	5	5	5.5	6	7	8
e	2.72	3.29	3.29	3.48	3.82	4.32	4.95	5.45	5.51	6.01	6.01	7.66	8.76
m	0.8	1	1.2	1.3	1.4	1.6	1.8	2	2	2.4	2.8	3.2	4
d_i	M6	M7	M8	M10	M12	M14	M16	M18	M20	M22	M24	M27	M30
s	10	11	13	17	19	22	24	27	30	32	36	41	46
e	11.05	12.12	14.38	18.9	21.1	24.49	26.75	29.56	32.95	35.03	39.55	45.2	50.85
m	5	5.5	6.5	8	10	11	13	15	16	18	19	22	24

...Continued



HEX NUT

DIN 934 /ANSI B18.2.4.1M



...Continued

All measurements in millimeters

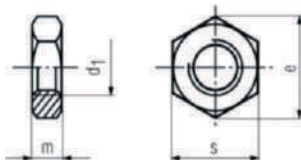
TECHNICAL SPECIFICATION												
d_i	M33	M36	M39	M42	M45	M48	M52	M56	M60	M64	M68	M72
s	50	55	60	65	70	75	80	85	90	95	100	105
e	55.37	60.79	66.44	71.3	76.95	82.6	88.25	95.07	100.72	106.37	112.02	117.67
m	26	29	31	34	36	38	42	45	48	51	54	58
d_i	M76	M80	M85	M90	M95	M100	M105	M110	M115	M120	M125	M130
s	110	115	120	130	135	145	150	155	165	170	180	185
e	123.32	128.97	133.11	145.77	151.42	162.72	168.37	174.02	185.32	190.97	202.27	207.75
m	61	64	68	72	76	80	84	88	92	96	100	104

Also available in BS & ANSI standard



LOCK NUT

DIN 439 / ISO 7042



All measurements in millimeters

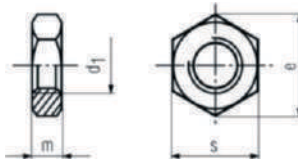
Manufacturing Process		Hot Forge						Yes	
		Cold Forge						Yes	
TECHNICAL SPECIFICATION									
d_1	M2	M3	M4	M5	M6	M8	M10	M12	M14
s	4	5.5	7	8	10	13	17	19	22
e	4.32	6.01	7.66	8.79	11.05	14.38	18.9	21.1	24.49
m	1.2	1.8	2.2	2.7	3.2	4	5	6	7

Also available in BS & ANSI standard

Continued...

LOCK NUT

DIN 439 / ISO 7042



...Continued

All measurements in millimeters

TECHNICAL SPECIFICATION

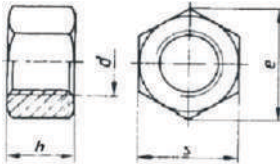
	M16	M18	M20	M22	M24	M27	M30	M33	M36
d_1	M16	M18	M20	M22	M24	M27	M30	M33	M36
s	24	27	30	32	36	41	46	50	55
e	26.75	29.56	32.95	35.03	39.55	45.2	50.85	55.37	60.79
m	8	9	10	11	12	13.5	15	16.5	18

Also available in BS & ANSI standard



HEAVY HEX NUT

DIN 5587 & ANSI B 18.2.2



All measurements in millimeters

Manufacturing Process				Hot Forge				Yes			
				Cold Forge				Yes			
TECHNICAL SPECIFICATION											
d	M4	M5	M6	M7	M8	M10	M12	M14	M16	M18	M20
s	7	8	10	11	13	17	19	22	24	27	30
e	7.66	8.79	11.05	12.12	14.38	18.9	21.1	24.49	26.75	29.56	32.95
h	4	5	6	7	8	10	12	14	16	18	20

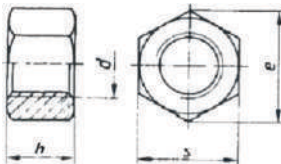
Also available in BS & ANSI standard

Continued...



HEAVY HEX NUT

DIN 5587 & ANSI B 18.2.2



...Continued

All measurements in millimeters

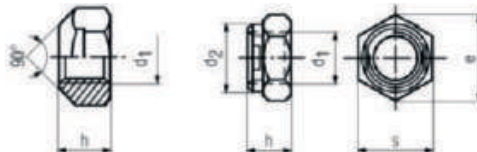
TECHNICAL SPECIFICATION											
d	M22	M24	M27	M30	M33	M36	M39	M42	M45	M48	M52
s	32	36	41	46	50	55	60	65	70	75	80
e	35,03	39,55	45,2	50,85	55,37	60,79	66,44	72,09	76,95	82,6	88,25
h	22	24	27	30	33	36	39	42	45	48	52

Also available in BS & ANSI standard



NYLOCK NUT

DIN 982



All measurements in millimeters

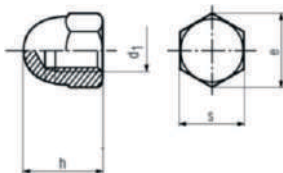
Manufacturing Process	Hot Forge					No				
	Cold Forge					Yes				
TECHNICAL SPECIFICATION										
d₁	M5	M6	M8	M10	M12	M14	M16	M20	M24	
s	8	10	13	17	19	22	24	30	36	
e	8.79	11.05	14.38	18.90	21.1	24.49	26.75	32.95	39.55	
m min	3.52	3.92	5.15	6.43	8.3	9.68	11.28	13.52	16.16	
h	6.3	8	9.5	11.5	14	16	18	22	28	

Also available in BS & ANSI standard



DOM NUT

DIN 1587



All measurements in millimeters

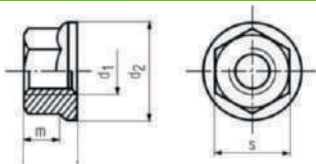
Manufacturing Process	Hot Forge											No	
	Cold Forge											Yes	
TECHNICAL SPECIFICATION													
d ₁	M3	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24
h	6	8	10	12	15	18	22	25	28	32	34	39	42
s	5.5	7	8	10	13	17	19	22	24	27	30	32	36
e	6.08	7.66	8.79	11.05	14.38	18.9	21.1	24.49	26.75	30.14	33.53	35.72	39.98

Also available in BS & ANSI standard



FLANGE NUT

DIN 6923



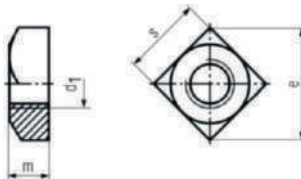
All measurements in millimeters

Manufacturing Process		Hot Forge					No				
		Cold Forge					Yes				
TECHNICAL SPECIFICATION											
d	M3	M4	M5	M6	M8	M10	M12	M14	M16	M20	
d _i	8	10	11.8	14.2	17.9	21.8	26	29.9	34.5	42.8	
s	5.5	7	8	10	13	15	18	21	24	30	
m	3.7	4.5	5	6	8	10	12	14	16	20	



SQUARE NUT

DIN 557



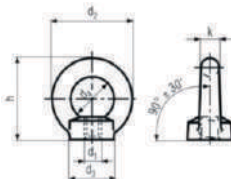
All measurements in millimeters

Manufacturing Process	Hot Forge				No	
	Cold Forge				Yes	
TECHNICAL SPECIFICATION						
d_1	M3	M6	M8	M10	M12	M16
s	8	10	13	16	18	24
e	5.5	14.1	18.4	22.6	25.4	33.9
m	3.7	5	6.5	8	10	13



EYE NUT

DIN 582



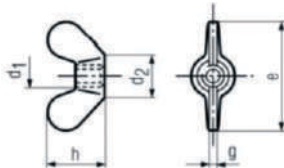
All measurements in millimeters

Manufacturing Process		Hot Forge									Yes
		Cold Forge									No
TECHNICAL SPECIFICATION											
d_1	M6	M8	M10	M12	M14	M16	M20	M24	M27	M30	M36
d_2	28	36	45	54	54	63	72	90	90	108	126
d_3	16	20	25	30	30	35	40	50	50	65	75
d_4	17	20	25	30	30	35	40	50	50	60 ₄	70
h	36	36	45	53	53	62	71	90	90	109	128
k	-	8	10	12	12	14	16	20	20	24	28

Also available in BS & ANSI standard

WING NUT

DIN 315



All measurements in millimeters

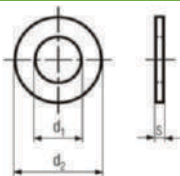
Manufacturing Process		Hot Forge						Yes	
		Cold Forge						Yes	
TECHNICAL SPECIFICATION									
d_1	M4	M5	M6	M8	M10	M12	M16	M20	M24
d_2	6	8	10	13	17	20	26	32	41
e	18	24	30	36	48	62	70	86	106
g	1.7	2.3	2.7	3.6	4.6	5.6	6.5	7	8.6
h	8.5	11	15	18	23	31	35	44	53.5

Also available in BS & ANSI standard



PLAIN WASHER

DIN 125



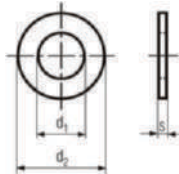
All measurements in millimeters

Manufacturing Process		Hot Forge						No				
		Cold Forge						Yes				
TECHNICAL SPECIFICATION												
for thread size	M3	M3.5	M4	M5	M6	M7	M8	M10	M12	M14	M16	M18
d_1	3.2	3.7	4.3	5.3	6.4	7.4	8.4	10.5	13	15	17	19
d_2	7	8	9	10	12	14	16	20	24	28	30	34
s	0.5	0.5	0.8	1	1.6	1.6	1.6	2	2.5	2.5	3	3

Continued...

PLAIN WASHER

DIN 125



...Continued

All measurements in millimeters

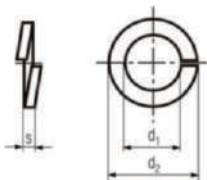
TECHNICAL SPECIFICATION

for thread size	M20	M22	M24	M27	M30	M33	M36	M39	M42	M45	M48	M52
d_1	21	23	25	28	31	34	37	40	43	46	50	54
d_2	37	39	44	50	56	60	66	72	76	85	92	98
s	3	3	4	4	4	5	5	6	7	7	8	8



SPRING WASHER

DIN 127 | IS 3063



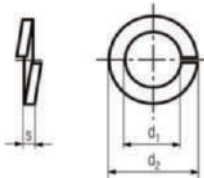
All measurements in millimeters

Manufacturing Process		Hot Forge						No					
		Cold Forge						Yes					
TECHNICAL SPECIFICATION													
for thread size	M2	M3	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	
d_1	2.1	3.1	4.1	5.1	6.1	8.1	10.2	12.2	14.2	16.2	18.2	20.2	
d_2	4.4	6.2	7.6	9.2	11.8	14.8	18.1	21.1	24.1	27.4	29.4	33.6	
s	0.5	0.8	0.09	1.2	1.6	2	2.2	2.5	3	3.5	3.5	4	

Continued...

SPRING WASHER

DIN 127 | IS 3063



...Continued

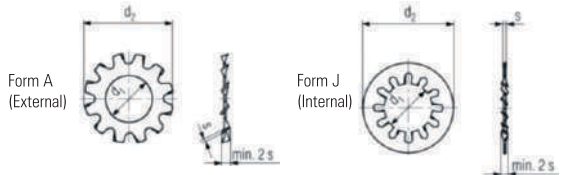
All measurements in millimeters

TECHNICAL SPECIFICATION

for thread size	M22	M24	M27	M30	M33	M36	M38	M42	M45	M48	M52
d_1	22.5	24.5	27.5	30.5	33.5	36.5	39	42.5	45.5	49	53
d_2	35.9	40	43	48.2	55.2	58.2	61.2	68.2	71.2	75	86
s	4	5	5	6	6	6	6	7	7	7	8

STAR WASHER

DIN 6797



All measurements in millimeters

Manufacturing Process		Hot Forge						No					
		Cold Forge						Yes					
TECHNICAL SPECIFICATION													
Used for	M3	M4	M5	M5	M6	M8	M8	M10	M12	M14	M16	M20	M24
d_1	3.2	4.3	5.1	5.3	6.4	8.2	8.4	10.5	13	15	17	21	25
d_2	6	8	9	10	11	14	15	18	20.5	24	26	33	38
s	0.4	0.5	0.5	0.6	0.7	0.8	0.8	0.9	1	1	1.2	1.4	1.5



TOOTH WASHER

DIN 6798

Form A
(External)



Form J
(Internal)

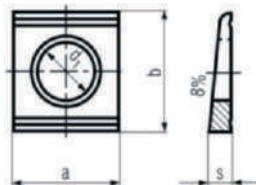


All measurements in millimeters

Manufacturing Process		Hot Forge						No			
		Cold Forge						Yes			
TECHNICAL SPECIFICATION											
Used for	M3	M4	M5	M6	M8	M10	M12	M14	M16	M20	M24
d_1	3.2	4.3	5.3	6.4	6.4	8.4	13	15	17	21	25
d_2	6	8	10	11	11	15	20.5	24	26	33	38
s	0.4	0.5	0.6	0.7	0.7	0.8	1	1	1.2	1.4	1.5

TAPER WASHER

DIN 434



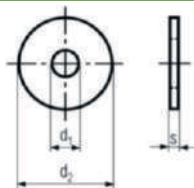
All measurements in millimeters

Manufacturing Process		Hot Forge						No	
		Cold Forge						Yes	
TECHNICAL SPECIFICATION									
Used for	M8	M10	M12	M16	M20	M22	M24	M27	M30
d_i	9	11	14	18	22	24	26	30	33
a	22	22	26	32	40	44	56	56	62
b	22	22	30	36	44	50	56	56	62
s	3.8	3.8	4.9	5.9	7	8	8.5	8.5	9



BIG OD WASHER

DIN 9021



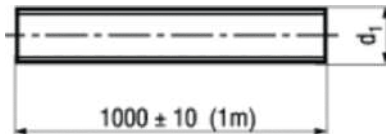
All measurements in millimeters

Manufacturing Process		Hot Forge						No			
		Cold Forge						Yes			
TECHNICAL SPECIFICATION											
Used for	M3	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20
d_1	3.2	4.3	5.3	6.4	8.4	10.5	13	14	17	20	22
$d_{2,max}$	9	12	15	18	24	30	37	44	50	56	60
s	0.8	1	1.2	1.6	2	2.5	3	3	3	4	4



THREADED ROD

DIN 975



All measurements in millimeters

Manufacturing Process		Hot Forge						No	
		Cold Forge						Yes	
TECHNICAL SPECIFICATION									
d_1	M3	M4	M5	M6	M8	M10	M12	M14	M16
d_1	M18	M20	M22	M24	M27	M30	M33	M36	M39

Also available in BS & ANSI standard

OTHER PRODUCTS

Pan Slotted Machine Screw



Manufacturing Process	Hot Forge	No
	Cold Forge	Yes
Size: (IS)	Diameter	M3 to M10
	Length	6 to 75
Size: (BS)	Diameter	-
	Length	-

All measurements in millimeters

Round Head Slotted Screw

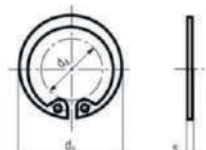
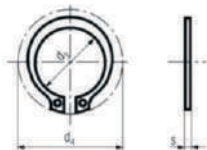


Manufacturing Process	Hot Forge	No
	Cold Forge	Yes
Size: (IS)	Diameter	M3 to M10
	Length	6 to 75
Size: (BS)	Diameter	-
	Length	-

OTHER PRODUCTS

EXTERNAL CIRCLIP DIN 471

INTERNAL CIRCLIP DIN 472



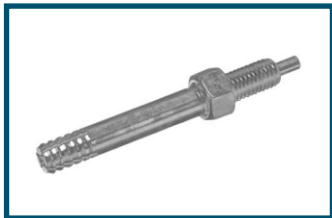
Manufacturing Process	Hot Forge	No
	Cold Forge	Yes
Size: (IS)	Diameter	M4 to M100
	Length	-
Size: (BS)	Diameter	-
	Length	-

Manufacturing Process	Hot Forge	No
	Cold Forge	Yes
Size: (IS)	Diameter	M4 to M100
	Length	-
Size: (BS)	Diameter	-
	Length	-

All measurements in millimeters

OTHER PRODUCTS

PIN TYPE ANCHOR BOLT



Manufacturing Process	Hot Forge	No
	Cold Forge	Yes
Size: (IS)	Diameter	M6 to M24
	Length	50 to 300
Size: (BS)	Diameter	-
	Length	-

All measurements in millimeters

SLEEVE ANCHOR FASTENER



Manufacturing Process	Hot Forge	No
	Cold Forge	Yes
Size: (IS)	Diameter	M6 to M24
	Length	-
Size: (BS)	Diameter	-
	Length	-

OTHER PRODUCTS

POP RIVETS



Manufacturing Process	Hot Forge	No
	Cold Forge	Yes
Size: (IS)	Diameter	M3 to M6
	Length	6 to 25
Size: (BS)	Diameter	-
	Length	-

All measurements in millimeters

RIVETING NUT



Manufacturing Process	Hot Forge	No
	Cold Forge	Yes
Size: (IS)	Diameter	M3 to M6
	Length	6 to 25
Size: (BS)	Diameter	-
	Length	-

OTHER PRODUCTS

ROUND RIVETS



Manufacturing Process	Hot Forge	No
	Cold Forge	Yes
Size: (IS)	Diameter	M2 to M12
	Length	5 to 100
Size: (BS)	Diameter	-
	Length	-

All measurements in millimeters

FLAT RIVETS



Manufacturing Process	Hot Forge	No
	Cold Forge	Yes
Size: (IS)	Diameter	M2 to M12
	Length	5 to 100
Size: (BS)	Diameter	-
	Length	-

OTHER PRODUCTS

COTTER PIN DIN 94



Manufacturing Process	Hot Forge	No
	Cold Forge	Yes
Size: (IS)	Diameter	M3 to M6
	Length	12 to 250
Size: (BS)	Diameter	1.6 to 12
	Length	1/16" to 1/2"

All measurements in millimeters

DOWEL PIN DIN 6325



Manufacturing Process	Hot Forge	No
	Cold Forge	Yes
Size: (IS)	Diameter	2 to 16
	Length	10 to 100
Size: (BS)	Diameter	-
	Length	-

OTHER PRODUCTS

TORX SCREW



Manufacturing Process	Hot Forge	No
	Cold Forge	Yes
Size: (IS)	Diameter	M3 to M8
	Length	6 to 50
Size: (BS)	Diameter	-
	Length	-

All measurements in millimeters

HALF THREAD STUD

DIN 939



Manufacturing Process	Hot Forge	No
	Cold Forge	Yes
Size: (IS)	Diameter	M3 to M6
	Length	30 to 300
Size: (BS)	Diameter	3/16" to 2"
	Length	1" to 40"

OTHER PRODUCTS

ANTI THEFT BOLT



Manufacturing Process	Hot Forge	No
	Cold Forge	Yes
Size: (IS)	Diameter	M5 to M12
	Length	10 to 100
Size: (BS)	Diameter	-
	Length	-

All measurements in millimeters

ANTI THEFT NUT



Manufacturing Process	Hot Forge	No
	Cold Forge	Yes
Size: (IS)	Diameter	M5 to M12
	Length	-
Size: (BS)	Diameter	-
	Length	-

OTHER PRODUCTS

CUSTOMISED BOLT



U BOLT



J BOLT



T BOLT

Manufacturing Process	Hot Forge	Yes
	Cold Forge	No
Size: (IS)	As per Drawing	

Manufacturing Process	Hot Forge	No
	Cold Forge	Yes
Size: (IS)	M8 to M12	

WHY STAINLESS STEEL FASTENERS ?

- Excellent corrosion resistance
- Non-magnetic (Austenitic only)
- Resistance to unsightly staining
- Aesthetic surface finish
- 60% recycled content, 100% recyclable
- Excellent high and low temperature properties
- High resistance to elevated temperature
- Very low temperature environment prevents brittleness
- Low maintenance
- High ductility and strength



PITCH TABLE FOR METRIC FASTENERS

METRIC DIAMTER	Pitch mm	
	Coarse Standard	Fine Standard
3mm	0.50	0.35
4mm	0.70	0.50
5mm	0.80	0.50
6mm	1.00	0.75
8mm	1.25	1.00
10mm	1.50	1.25
12mm	1.75	1.25
14mm	2.00	1.50
16mm	2.00	1.50
18mm	2.50	1.50
20mm	2.50	1.50
22mm	2.50	1.50
24mm	3.00	2.00
27mm	3.00	2.00
30mm	3.50	2.00
33mm	3.50	2.00
36mm	4.00	3.00
39mm	4.00	3.00
42mm	4.50	3.00
48mm	5.00	3.00

(DIN EN ISO 2006)

Alloy Group	Grade	Chemical Composition % (m/m)								Notes
		C	Si	Mn	P	S	Cr	Mo	Ni	
Austenitic	A2	0.08	1	2	0.045	0.03	18-20	—	8-10.50	3 & 4
	A4	0.08	1	2	0.045	0.03	16-18	2-3	10-14	4 & 5

1. Values are maximum unless otherwise indicted
2. Molybdenum may be presents at the discretion of the manufacturer. However, if for some applications limiting of the molybdenum content is essential, this must be stated at the time of ordering by the purchaser
3. If the chromium content is below 17% the maximum nickel content should be 12%
4. For Austenitic Stainless Steel having a maximum Carbon content 0.03% nitrogen may be present to a maximum of 0.22%
5. At the discretion of the manufacturer carbon content may be higher where required to obtain the specified mechanical properties at larger diameters, but shall not exceed 0.12% for Austenitic Steels

MECHANICAL PROPERTIES

(Ref-DIN EN ISO 3506)

Group		Austenitic		
Grade		A2,A4		
Property Class		50	70	80
Thread Dia. Range		≤ M39	≤ M24"	≤ M24"
Bolts, Screws & Studs	Tensile strength Rm" min N/mm ²	500	700	800
	Stress at 0.2% permanent strain Rp0.2" min N/min ²	210	450	600
	Elongation after fracture A" min. mm	0.6d	0.4d	0.3d
Stress under proof load Sp Min N/mm ²	Nuts style 1 (m ≥ 0.8d)	500	700	800
	Thin Nuts (0.5 ≥ m < 0.8d)	250	350	400

m : nut thickness

(Ref-DIN EN ISO 3506)

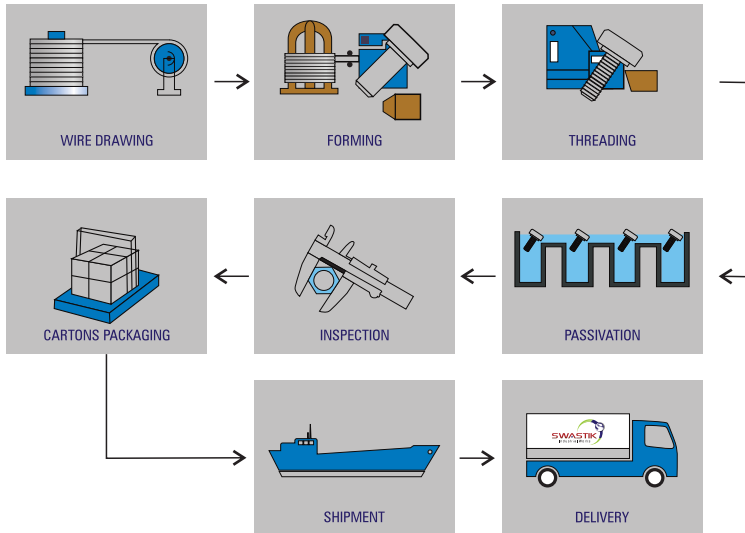
1. The tensile stress is calculated on the stress area.
2. To be determined according to test method on the actual screw length and not on a prepared test piece; d is the nominal thread diameter.
3. For fasteners with nominal thread diameters $d > 24\text{mm}$ the mechanical properties shall be agreed upon between user and manufacturer and marked with grade and property class according to this table.

MINIMUM BREAKING TORQUE

(Ref-DIN EN ISO 3506)

THREAD	Minimum Breaking Torque, M Nm		
	Property Class		
	50	70	80
M6	9.3	13	15
M8	23	32	37
M10	46	65	74
M12	80	110	130
M16	210	290	330

MANUFACTURING PROCESS



QUALITY CONTROL AT SIW

CHEMICAL TESTING



MECHANICAL TESTING



DIMENSIONAL TESTING





CERTIFICATIONS

Registered under



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ENGINEERING INDUSTRY



AUTOMOBILE INDUSTRY



ELECTRICAL INDUSTRY



AVIATION INDUSTRY



SHIPPING INDUSTRY



AUTOMATION INDUSTRY



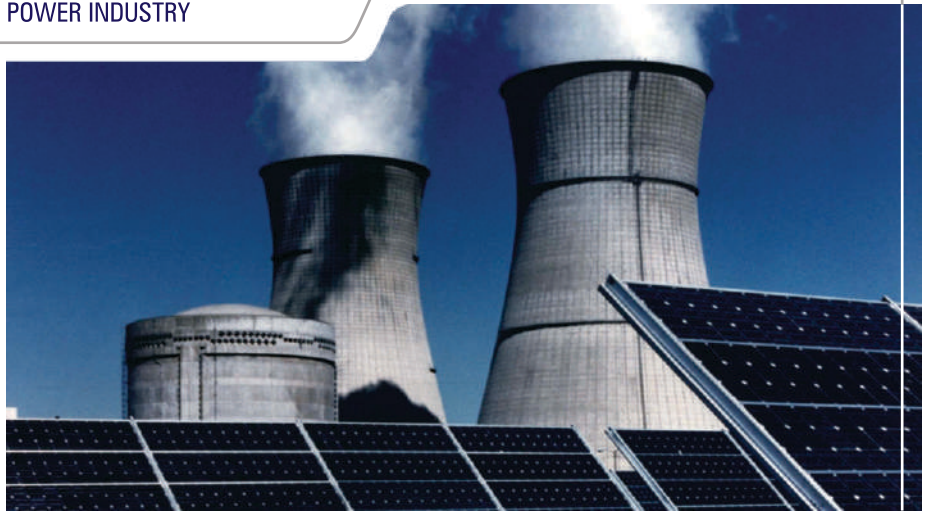
STEEL INDUSTRY



HEALTHCARE



POWER INDUSTRY



PHARMACEUTICAL INDUSTRY



RENEWABLE ENERGY INDUSTRY



Hot-dip galvanizing (HDG) is the process of dipping fabricated steel into a kettle or vat containing molten zinc. The process provides a distinct advantages over other corrosion protection methods. While the steel is in the kettle, the iron in the steel metallurgically reacts with the molten zinc to form a tightly bonded alloy coating that provides superior corrosion protection to steel. Galvanizing and electroplating is central activity in the supply chain which offers scope for backward and forward integration expanding business.

- Fabrication for industrial and infrastructure projects
- Trading of non ferrous metals and scrap
- Open doors to manufacturing/ trading of galvanizing products such as cable trays, galvanized hardware, transmission and electrical accessories, cold roll steel, structural steel like beams,
- TMT bars, Piping for oil and gas sector
- Exposure to a various industries which require galvanizing and gain opportunities in.

Application of Hot Dip Galvanizing

- Infrastructure
 - Marine and Shipping
 - Solar and wind energy
 - Automobiles
 - Oil and Gas
 - Telecommunication
 - Railways
 - Electrical & Power Transmission
 - Industrial Turnkey Project
- and many more....

GALVANIZING PROCESS



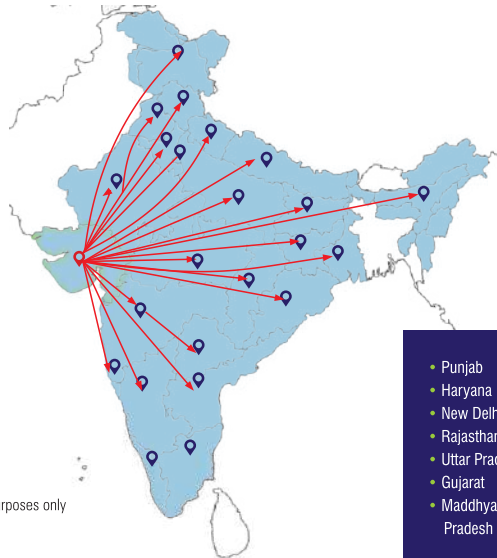
What is Electroplating?

Electroplating is the application of a metal coating to a metallic or other conducting surface by an electrochemical process. The article to be plated (the work) is made the cathode (negative electrode) of an electrolysis cell through which a direct electric current is passed. The article is immersed in an oxidised form, either as an equated cation or as a complex ion. The anode is usually a bar of the metal being plated. During electrolysis metal is deposited on the work and metal from the bar dissolves.

Some of the purposes for which articles are Electroplated are:

1. Appearance
2. Protection
3. Special surface properties
4. Engineering or mechanical properties

DOMESTIC REACH



Disclaimer : This map is for illustrative purposes only

INTERNATIONAL REACH



- Dubai
- Qatar
- Jordan
- Spain
- South Africa
- Oman
- Baharain
- UAE
- UK
- Germany
- France
- Egypt
- Keniya
- Saudi Arabia

Disclaimer : This map is for illustrative purposes only

















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CORPORATE OFFICE

151, Narayan Dhuru Street, Nagdevi, Masjid West, Mumbai - 400 003, Maharashtra. INDIA

Factory : Plot No 1820, Phase-4, GIDC, Wadwan, Surendranagar-363035

WORKS : 4D, Vimal Industrial Estate, Naikpada Road, Opp Mahavir Industrial Estate, Valiv, Vasai East, Thane, 401 281, Maharashtra, India.

BRANCH OFFICES (INDIA)

CHENNAI : 122/ 2, Thambu Chetty Street, Chennai - 600 001, India.

VAPI : Plot No. 150, Kesar Infra Compound, Near Sardar Chowk,
2nd Phase GIDC, Vapi - 396 195.

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