



A Hub Of Fasteners

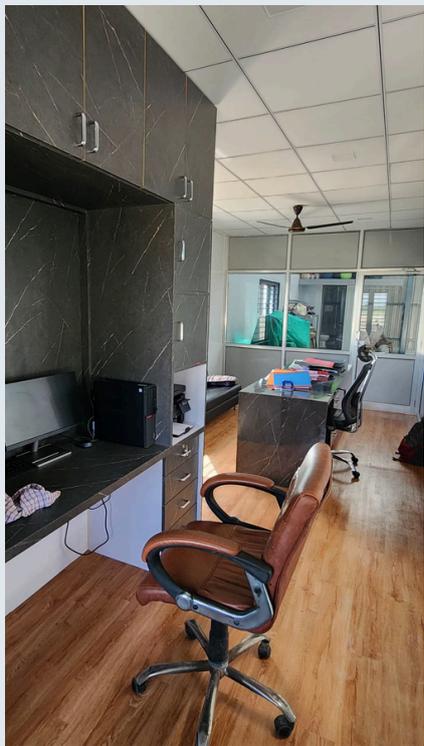
Manufacturer of High Quality

Fasteners



www.ambitionfasteners.com

Brand Name



AAAA **AMBITION
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WHO WE ARE

Our group of manufacturing company
Ambition Fasteners & Affix Fasteners

We seek to supply anyone who requires
stainless steel fasteners. Our stock range
covers from the smallest to the largest for
all types, in Metric and BSW threads and
special products, made to Stainless Steel
Nut order.

Varmora Steel Industries. has emerged
to be one of the leading manufacturers
of all kind of Fasteners such as nut, bolt,
screws, washers, stud, U-bolts, J-bolts etc.
in stainless steel (202, 304, 316 grade)
and mild steel (4.5, 5.6, 8.8 grade)
and HT (8.8, 10.9, 12.9).

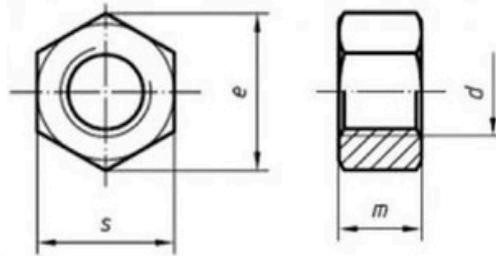


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HEX NUT

DIN 934 / ANSI B18.2.4.1M



All measurements in millimeters

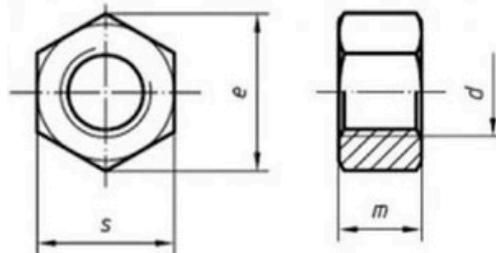
Manufacturing Process	Hot Forge										Yes		
	Cold Forge										Yes		
TECHNICAL SPECIFICATION													
d _i	M1	M1.2	M1.4	M1.6	M1.7	M2	M2.3	M2.5	M2.6	M3	M3.5	M4	M5
s	2.5	3	3	3.2	3.5	4	4.5	5	5	5.5	6	7	8
e	2.72	3.29	3.29	3.48	3.82	4.32	4.95	5.45	5.51	6.01	6.01	7.66	8.76
m	0.8	1	1.2	1.3	1.4	1.6	1.8	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

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HEX NUT

DIN 934 / ANSI B18.2.4.1M



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All measurements in millimeters

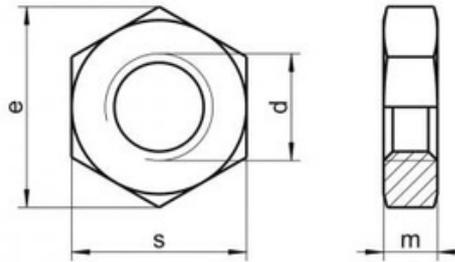
TECHNICAL SPECIFICATION												
d _i	M33	M36	M39	M42	M45	M48	M52	M56	M60	M64	M68	M72
s	50	55	60	65	70	75	80	85	90	95	100	105
e	55.37	60.79	66.44	71.3	76.95	82.6	88.25	95.07	100.72	106.37	112.02	117.67
m	26	29	31	34	36	38	42	45	48	51	54	58
d _i	M76	M80	M85	M90	M95	M100	M105	M110	M115	M120	M125	M130
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

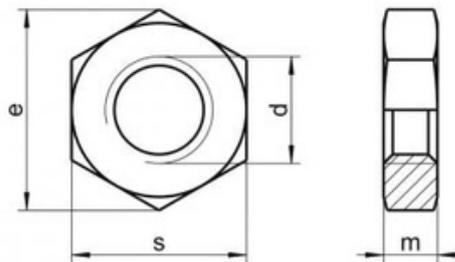
Also available in BS & ANSI standard

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LOCK NUT

DIN 439 / ISO 7042



...Continued

All measurements in millimeters

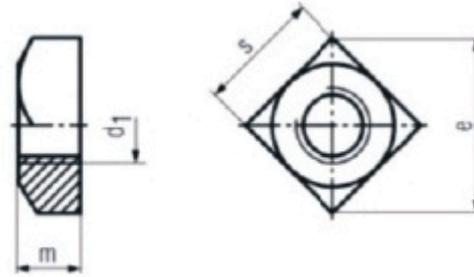
TECHNICAL SPECIFICATION									
d ₁	M16	M18	M20	M22	M24	M27	M30	M33	M36
s	24	27	30	32	36	41	46	50	55
e	26.75	29.56	32.95	35.03	39.55	45.2	50.85	55.37	60.79
m	8	9	10	11	12	13.5	15	16.5	18

Also available in BS & ANSI standard



SQUARE NUT

DIN 557



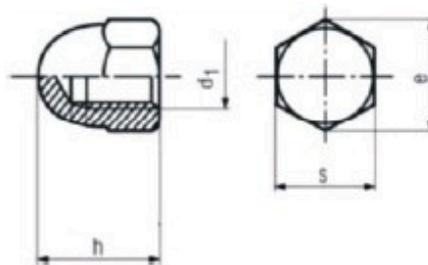
All measurements in millimeters

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



DOM NUT

DIN 1587



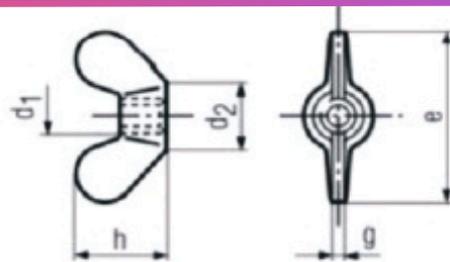
All measurements in millimeters

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

WING NUT

DIN 315



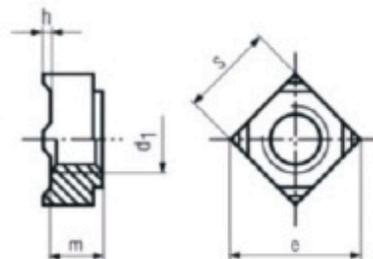
All measurements in millimeters

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

SQUARE WELD NUT

DIN 928



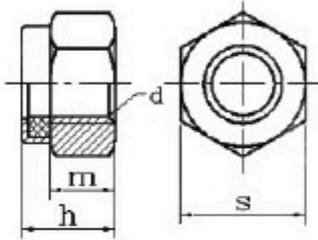
All measurements in millimeters

Manufacturing Process	Hot Forge		No			
	Cold Forge		Yes			
TECHNICAL SPECIFICATIONA						
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



NYLOCK NUT

DIN 985



All measurements in millimeters

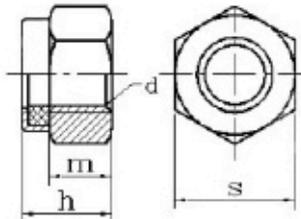
Manufacturing Process	Hot Forge		Cold Forge		No					
					Yes					
TECHNICAL SPECIFICATION										
d	M3	M4	M5	M6	M7	M8	M10	M12	M14	
p	0.5	0.7	0.8	1	1	1/1.25	1/1.25/1.5	1.25/1.5	1.5/2	
h (min)	4	5	5	6	7.5	8	10	12	14	
(max)	3.7	4.7	4.7	5.7	7.14	7.64	9.64	11.57	13.3	
m	2.4	2.9	3.2	4	4.7	5.5	6.5	8	9.5	
s (min)	5.5	7	8	10	11	13	17	19	22	
(max)	5.32	6.78	7.78	9.78	10.73	12.73	16.73	18.67	21.67	
w (kg)	0.5	1	1.4	2.4	3	5.1	10.6	17.2	26	

Also available in BS & ANSI standard



NYLOCK NUT

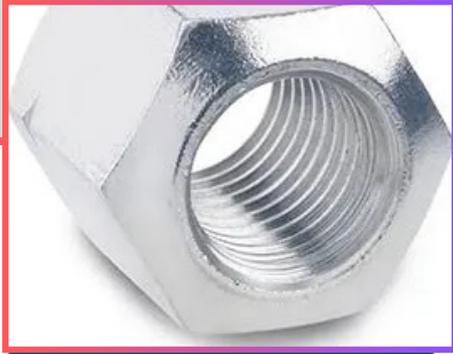
DIN 985



All measurements in millimeters

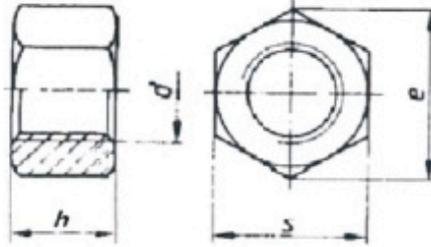
Manufacturing Process	Hot Forge		Cold Forge		No					
					Yes					
TECHNICAL SPECIFICATION										
d	M16	M18	M20	M22	M24	M27	M30	M33	M36	
p	1.5/2	1.5/2/2.25	1.5/2/2.5	1.5/2.5	2/3	2/3	2/3.5	2/3.5	3/4	
h (min)	16	18.5	20	22	24	27	30	33	36	
(max)	15.3	17.66	18.7	20.7	22.7	25.7	28.7	31.4	34.4	
m	10.5	13	14	15	15	17	19	22	25	
s (min)	24	27	30	32	36	41	46	50	55	
(max)	23.67	26.16	29.16	31	35	40	45	49	53.8	
w (kg)	34	45	65	75	100	162	212	317	415	

Also available in BS & ANSI standard



HEAVY HEX NUT

DIN 5587 & ANSI B 18.2.2

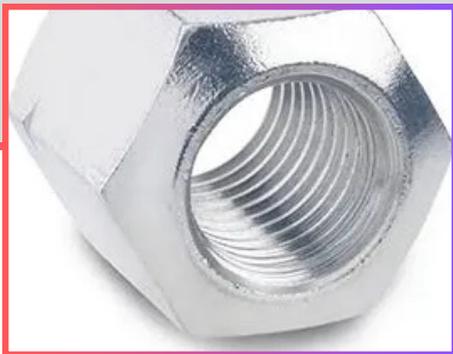


All measurements in millimeters

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

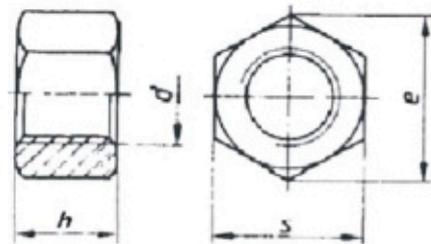
Also available in BS & ANSI standard

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HEAVY HEX NUT

DIN 5587 & ANSI B 18.2.2



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All measurements in millimeters

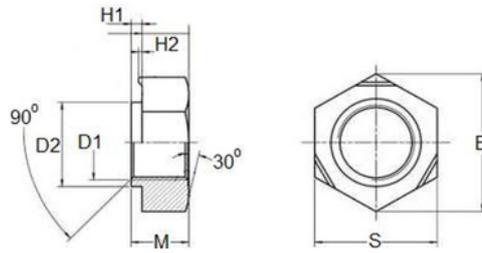
TECHNICAL SPECIFICATION											
d	M22	M24	M27	M30	M33	M36	M39	M42	M45	M48	M52
s	32	36	41	46	50	55	60	65	70	75	80
e	35,03	39,55	45,2	50,85	55,37	60,79	66,44	72,09	76,95	82,6	88,25
h	22	24	27	30	33	36	39	42	45	48	52

Also available in BS & ANSI standard



HEX WELD NUT

DIN 929

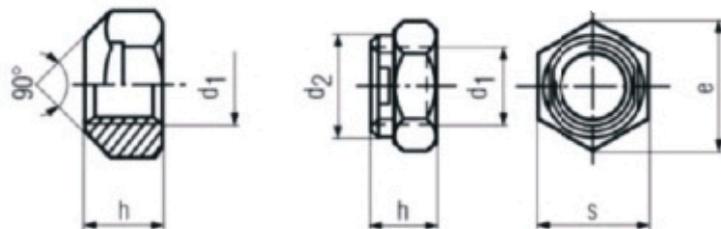


D1	M3	M4	M5	M6	M8	M10	M12	M14	M16
D2	4.5	6	7	8	10.5	12.5	14.8	16.8	18.8
H1	0.55	0.65	0.7	0.75	0.9	1.15	1.4	1.8	1.8
H2	0.25	0.35	0.4	0.4	0.5	0.65	0.8	1	1
M	3	3.5	4	5	6.5	8	10	11	13
S	7.5	9	10	11	14	17	19	22	24
E	8.15	9.83	10.95	12.02	15.38	18.74	20.91	24.27	26.51



NYLOCK NUT

DIN 982



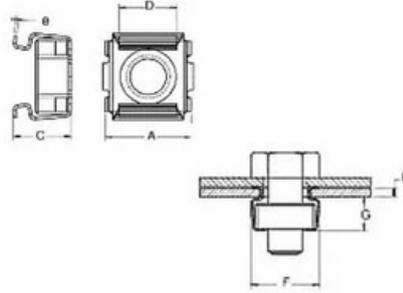
All measurements in millimeters

Manufacturing Process	Hot Forge					No				
	Cold Forge					Yes				
TECHNICAL SPECIFICATION										
d ₁	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

CAGE NUT

Open End - Imperial Hole Size

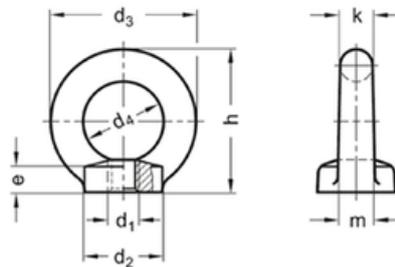


All measurements in millimeters

Manufacturing Process		Hot Forge		Yes				
		Cold Forge		Yes				
TECHNICAL SPECIFICATION								
screw size	P	F	S	G	B	J	N	K
	Panel Thick	See above	Emboss Square	Mounting Hole	Gage Width	Panel to Cage	Flange Lip	Cage Height
	Normal		Min.	Nominal				
M 6 - 1.0	0.635-1.600	2.54	13.49	A or B	13.21	6.35	1.52	4.32

EYE NUT

DIN 582



All measurements in millimeters

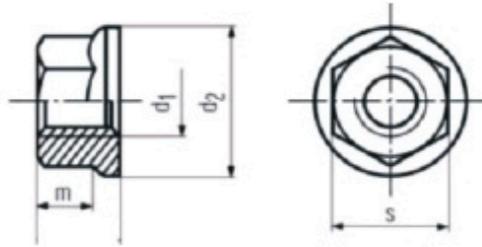
Manufacturing Process		Hot Forge		Yes							
		Cold Forge		No							
TECHNICAL SPECIFICATION											
d ₁	M6	M8	M10	M12	M14	M16	M20	M24	M27	M30	M36
d ₂	28	36	45	54	54	63	72	90	90	108	126
d ₃	16	20	25	30	30	35	40	50	50	65	75
d ₄	17	20	25	30	30	35	40	50	50	60,	70
h	36	36	45	53	53	62	71	90	90	109	128
k	-	8	10	12	12	14	16	20	20	24	28

Also available in BS & ANSI standard



FLANGE NUT

DIN 6923



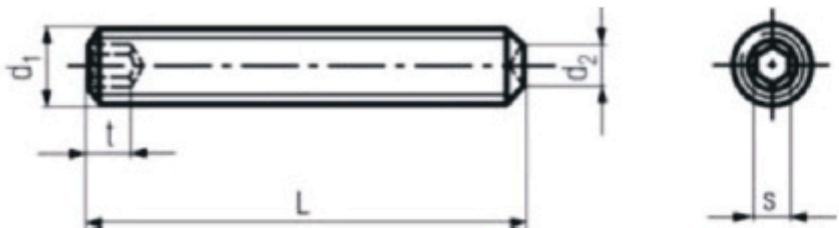
All measurements in millimeters

Manufacturing Process	Hot Forge					No				
	Cold Forge					Yes				
TECHNICAL SPECIFICATION										
d	M3	M4	M5	M6	M8	M10	M12	M14	M16	M20
d₁	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



ALLEN GRUB

DIN 916



All measurements in millimeters

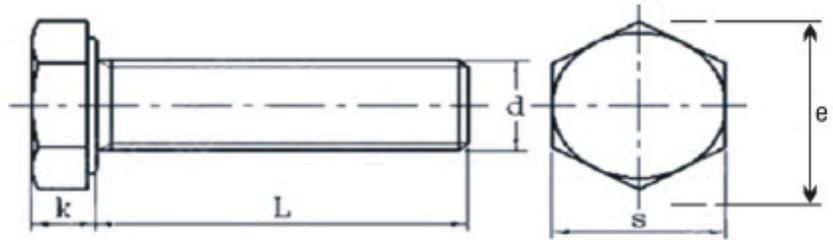
Manufacturing Process	Hot Forge					No						
	Cold Forge					Yes						
TECHNICAL SPECIFICATION												
d₁	M2	M3	M4	M5	M6	M8	M10	M12	M14	M16	M20	M24
d₂max	1	1.4	2	2.5	3	5	6	8	9	10	14	16
t min*	0.8	1.2	1.5	2	2	3	6	8	9	10	12	15
s	0.9	1.5	2	2.5	3	4	5	6	6	8	10	12

Also available in BS & ANSI standard



HEX SCREW

DIN 933 / IS 1363



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

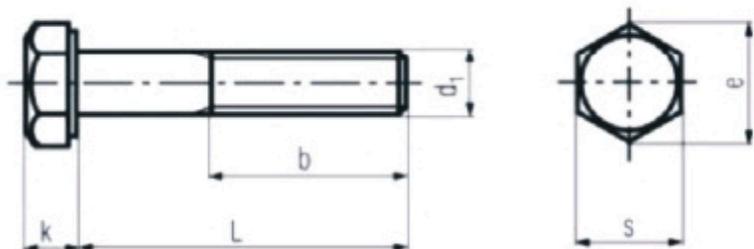
Also available in BS & ANSI standard

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HEX BOLT

DIN 931 / IS 1363



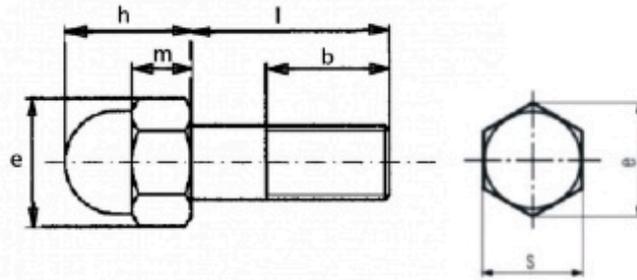
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All measurements in millimeters

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

DOME HEAD BOLT

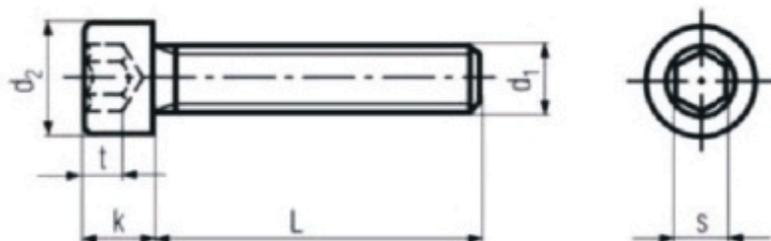


All measurements in millimeters

Manufacturing Process	Hot Forge						No					
	Cold Forge						Yes					
TECHNICAL SPECIFICATION												
d_1	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24
h	8	10	12	15	18	22	25	28	32	34	39	42
s	7	8	10	13	17	19	22	24	27	30	32	36
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

SOCKET HEAD CAP SCREW / ALLEN CAP

DIN 912



All measurements in millimeters

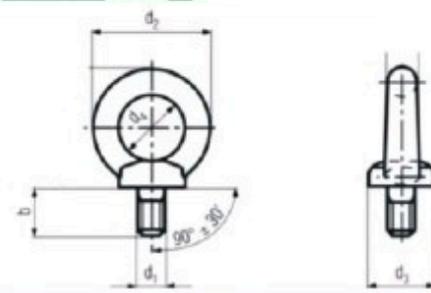
Manufacturing Process	Hot Forge															Yes																							
	Cold Forge															Yes																							
TECHNICAL SPECIFICATION																																							
d_1	M2	M3	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M24	M27	M30	M36																							
t min	1	1.3	2	2.5	3	4	5	6	7	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



EYE BOLT

DIN 580



All measurements in millimeters

Manufacturing Process	Hot Forge	Yes
	Cold Forge	No

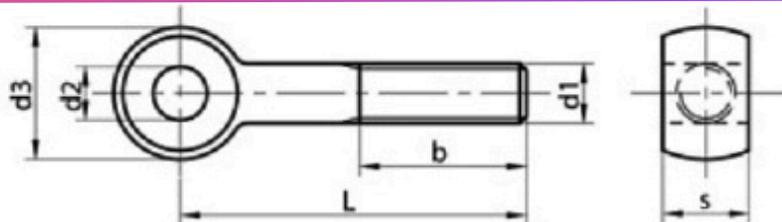
TECHNICAL SPECIFICATION						
d_1	M 8	M 10	M 12	M 16	M 20	M 24
b	13	17	20.5	27	30	36
d2	36	45	54	63	72	90
d3	20	25	30	35	40	50
d4	20	25	30	35	40	50

Also available in BS & ANSI standard



SMALL EYE BOLT

DIN 444



TECHNICAL SPECIFICATION												
d_1	M5	M6	M8	M10	M12	M20	M24	M27	M30	M33	M36	M39
b 1)	16	18	22	26	30	46	54	60	66	72	78	84
b 2)	22	24	28	32	36	52	60	66	72	78	84	90
b 3)	-	-	-	45	49	65	73	79	85	91	97	103
a 4)	11	14	16	18	23	32	40	42	46	54	59	61
d_2 H9 5)	5	6	8	10	12	18	22	25	28	30	32	35
d3	12	14	18	20	25	40	45	50	55	60	65	70
r	2,5	4	4	4	6	6	10	10	10	16	16	16
s A	8	9	11	14	17	24	28	30	34	38	41	46
B & C	6	7	9	12	14	22	25	27	30	34	38	41

ANTI THEFT BOLT



AAAA AMBITION FASTENERS

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	-

PIN TYPE ANCHOR BOLT



AAAA AMBITION FASTENERS

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

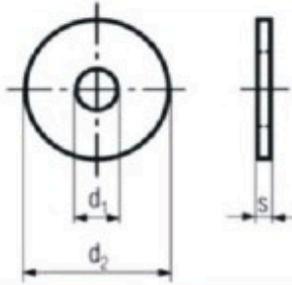
SLEEVE TYPE ANCHOR FASTENERS



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

BIG OD WASHER

DIN 9021

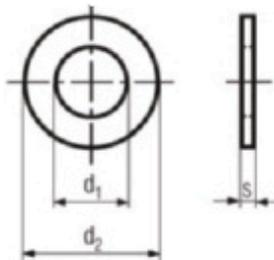


All measurements in millimeters

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	

PLAIN WASHER

DIN 125



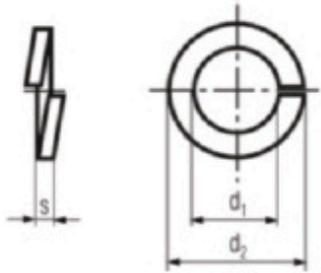
...Continued

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



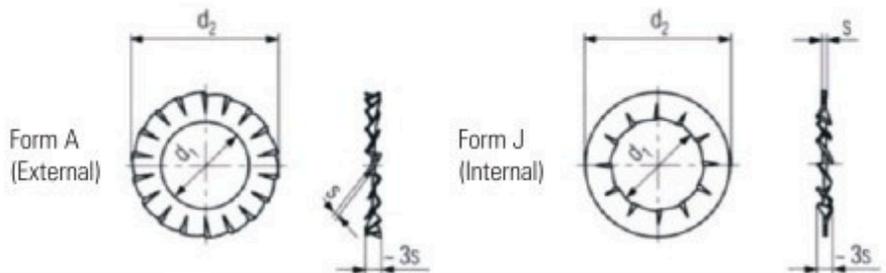
All measurements in millimeters

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...

TOOTH WASHER

DIN 6798

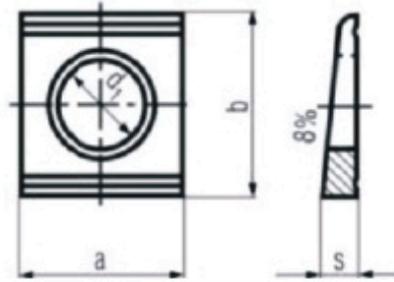
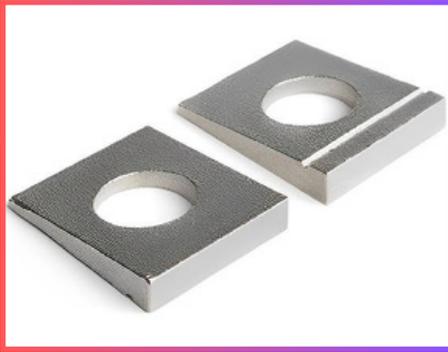


All measurements in millimeters

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

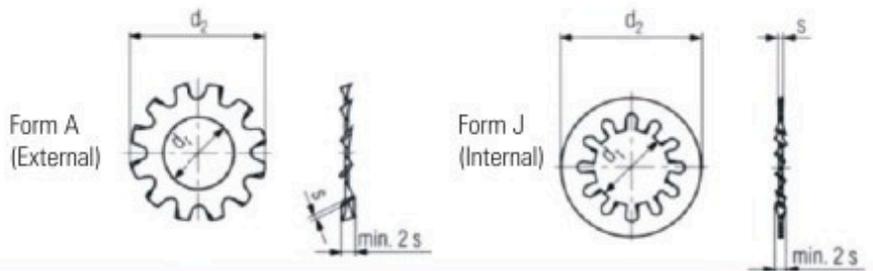


All measurements in millimeters

Manufacturing Process		Hot Forge							No	
		Cold Forge							Yes	
TECHNICAL SPECIFICATION										
Used for	M8	M10	M12	M16	M20	M22	M24	M27	M30	
d ₁	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	

STAR WASHER

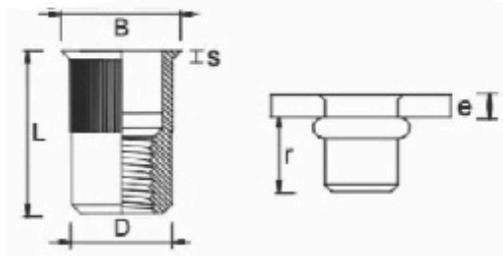
DIN 6797



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

REDUCED HEAD KNURLED BODY

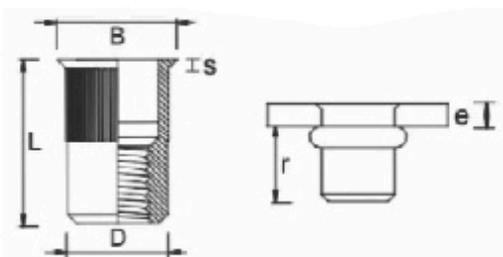


All measurements in millimeters

Manufacturing Process	Hot Forge		Yes		
	Cold Forge		No		
TECHNICAL SPECIFICATION					
for thread size	M4	M5	M6	M8	M10
Hole $+0.1/0.00\text{mm}$	6.5	7.25	9.6	10.6	12.8
Body (D) $0.05/-0.1\text{m}$	6.35	7.15	9.45	10.45	12.65 (+0.07/-0.1mm)
H (D) (mm) (B)	7.0	7.8	10.3	11.3	13.8

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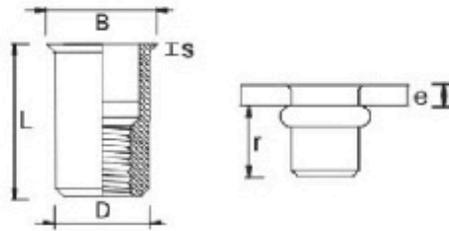
REDUCED HEAD KNURLED BODY



...Continued

TECHNICAL SPECIFICATION					
for thread size	M4	M5	M6	M8	M10
Overall (mm) (L)	10.5	12.0	15.0	16.0	20.0
Head Thick (mm) (S)	0.50	0.50	0.60	0.60	0.65
Grip range (mm) (e)	0.5-2	0.5-2.5	1 - 3	1 - 3.5	1 - 4
Head Style	Reduced Countersunk				
Dimension (r) (mm)	6.5	7.5	9.2	10.5	12.8
Body Style	Knurled	Knurled	Knurled	Knurled	Knurled

REDUCED HEAD PLAIN BODY

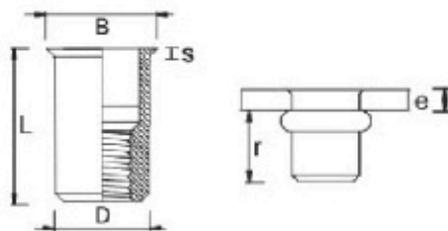


All measurements in millimeters

Manufacturing Process	Hot Forge		Yes		
	Cold Forge		No		
TECHNICAL SPECIFICATION					
for thread size	M3	M4	M5	M6	M8
Hole $+0.1/0.00\text{mm}$	4.8	6.4	7.2	9.6	10.6
Body (D) $0.05/-0.1\text{m}$	4.70	6.25	7.05	9.45	10.45
H (D) (mm) (B)	5.8	7.0	7.8	10.3	11.3

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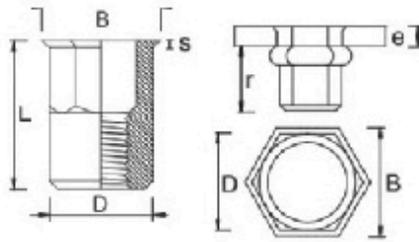
REDUCED HEAD PLAIN BODY



...Continued

TECHNICAL SPECIFICATION					
for thread size	M4	M5	M6	M8	M10
Overall (mm) (L)	9.5	10.5	12.0	15.0	16.0
Head Thick (mm) (S)	0.6	0.5	0.5	0.6	0.6
Grip range (mm) (e)	0.5 - 2.5	0.5 - 2	0.5 - 2.5	1 - 3	1 - 3.5
Head Style	Reduced Countersunk				
Dimension (r) (mm)	6.0	6.5	7.5	9.2	10.5
Body Style	Plain	Plain	Plain	Plain	Plain

REDUCED HEAD HEXAGON BODY

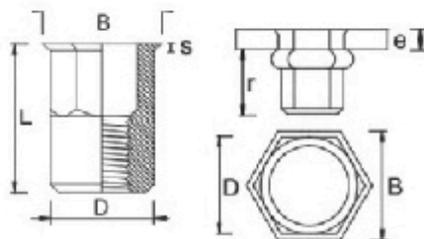


All measurements in millimeters

Manufacturing Process	Hot Forge	Yes		
	Cold Forge	No		
TECHNICAL SPECIFICATION				
for thread size	M4	M5	M6	M8
Hole $+0.1/0.00\text{mm}$	6.4 A/F	7.2 A/F	9.6 A/F	10.6 A/F
Body (D) $0.05/-0.1\text{m}$	6.25	7.05	9.45	10.45
H (D) (mm) (B)	7.25	8.1	10.5	11.5

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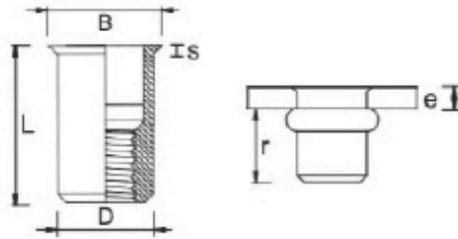
REDUCED HEAD HEXAGON BODY



...Continued

TECHNICAL SPECIFICATION				
for thread size	M4	M5	M6	M8
Overall (mm) (L)	10.5	12	15	16.5
Head Thick (mm) (S)	0.5	0.5	0.6	0.65
Grip range (mm) (e)	0.5 - 2	0.5 - 2.5	1 - 3	1 - 3.5
Head Style	Reduced Countersunk	Reduced Countersunk	Reduced Countersunk	Reduced Countersunk
Dimension (r) (mm)	6.5	7.5	9.2	10.5
Body Style	Half Hex	Half Hex	Half Hex	Half Hex

REDUCED HEAD PLAIN BODY

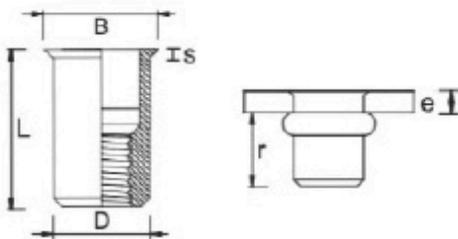


All measurements in millimeters

Manufacturing Process	Hot Forge		Yes		
	Cold Forge		No		
TECHNICAL SPECIFICATION					
for thread size	M4	M5	M6	M8	M10
Hole +0.1/0.00mm	6.0	7.0	9.0	11.0	13.0
Body (D) 0.05/-0.1m	5.9	6.9	8.9	10.9	12.9
H (D) (mm) (B)	7.0	8.0	10.0	12.0	14.0

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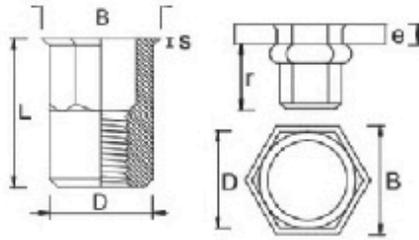
REDUCED HEAD PLAIN BODY



...Continued

TECHNICAL SPECIFICATION					
for thread size	M4	M5	M6	M8	M10
Overall (mm) (L)	10.5	11.5	14.0	16.5	17.7
Head Thick (mm) (S)	0.5	0.5	0.6	0.65	0.7
Grip range (mm) (e)	0.5-2	0.5-2	0.5 - 2.5	0.5 - 3	1 - 3.5
Head Style	Reduced Conuntersunk				
Dimension (r) (mm)	6.5	7.0	8.5	10.5	11.5
Body Style	Plain	Plain	Plain	Plain	Plain

REDUCED HEAD HEXAGON BODY

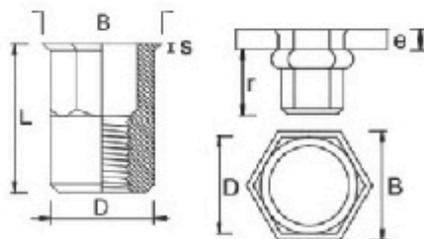


All measurements in millimeters

Manufacturing Process	Hot Forge	Yes			
	Cold Forge	No			
TECHNICAL SPECIFICATION					
for thread size	M4	M5	M6	M8	M10
Hole $+0.1/0.00\text{mm}$	6.0 A/F	7.0 A/F	9.0 A/F	11.0 A/F	13.0 A/F
Body (D) $0.05/-0.1\text{m}$	5.9	6.9	8.9	10.9	12.9
H (D) (mm) (B)	7.0	8.0	10.0	12.0	14.5

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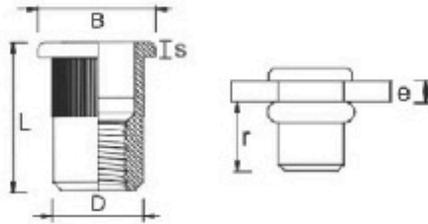
REDUCED HEAD HEXAGON BODY



...Continued

TECHNICAL SPECIFICATION					
for thread size	M4	M5	M6	M8	M10
Overall (mm) (L)	12.0	13.0	16.0	17.5	21.0
Head Thick (mm) (S)	0.5	0.5	0.6	0.65	0.75
Grip range (mm) (e)	0.5 - 2	0.5 - 2.5	0.5 - 3	1 - 3.5	1 - 4
Head Style	Reduced Countersunk				
Dimension (r) (mm)	8.0	8.2	10.7	11.2	13.5
Body Style	Half Hex				

FLANGE HEAD KNURLED BODY

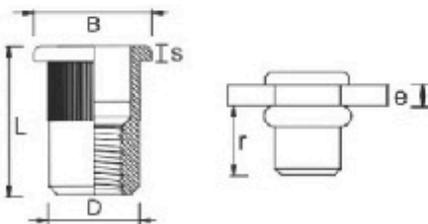


All measurements in millimeters

Manufacturing Process	Hot Forge		Yes		
	Cold Forge		No		
TECHNICAL SPECIFICATION					
for thread size	M4	M5	M6	M8	M10
Hole $+0.1/0.00\text{mm}$	6.0	7.0	9.0	11.0	13.0
Body (D) $0.05/-0.1\text{m}$	5.9	6.9	8.9	10.9	12.9
H (D) (mm) (B)	9.0	10.0	12.3	14.5	17.0

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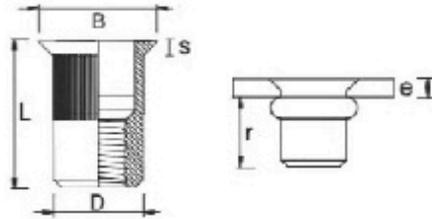
FLANGE HEAD KNURLED BODY



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TECHNICAL SPECIFICATION					
for thread size	M4	M5	M6	M8	M10
Overall (mm) (L)	10.5	13.0	15.5	18.5	21.0
Head Thick (mm) (S)	0.8	1.0	1.3	1.5	1.6
Grip range (mm) (e)	0.5 - 2	0.5 - 2.5	0.5 - 3	1 - 3.5	1. - 4.0
Head Style	Flange	Flange	Flange	Flange	Flange
Dimension (r) (mm)	6.5	8.0	9.2	11.5	13.5
Body Style	Knurled	Knurled	Knurled	Knurled	Knurled

COUNTERSUNK HEAD KNURLED BODY

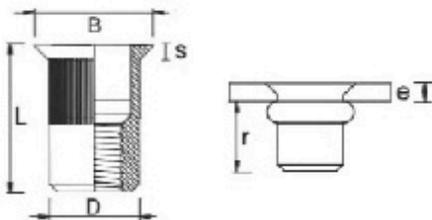


All measurements in millimeters

Manufacturing Process	Hot Forge		Yes		
	Cold Forge		No		
TECHNICAL SPECIFICATION					
for thread size	M4	M5	M6	M8	M10
Hole +0.1/-0.00mm	5.0	6.0	7.0	9.0	11.0
Body (D) 0.05/-0.1m	4.9	5.9	6.9	8.9	10.9
H (D) (mm) (B)	7.5	9.0	10.0	12.0	14.0

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COUNTERSUNK HEAD KNURLED BODY

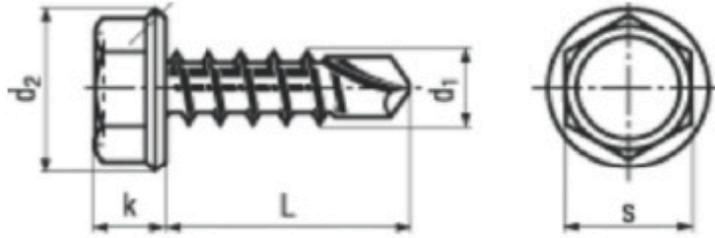


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TECHNICAL SPECIFICATION					
for thread size	M4	M5	M6	M8	M10
Overall (mm) (L)	5.0	6.0	7.0	9.0	11.0
Head Thick (mm) (S)	4.9	5.9	6.9	8.9	10.9
Grip range (mm) (e)	7.5	9.0	10.0	12.0	14.0
Head Style	Countersunk	Countersunk	Countersunk	Countersunk	Countersunk
Dimension (r) (mm)	7.5	7.5	7.8	9.0	12.0
Body Style	Knurled	Knurled	Knurled	Knurled	Knurled

HEX HEAD SELF DRILLING SCREW

DIN 7504K

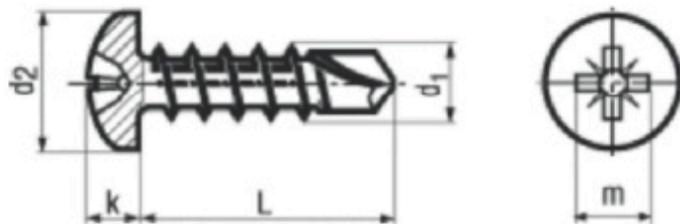


All measurements in millimeters

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

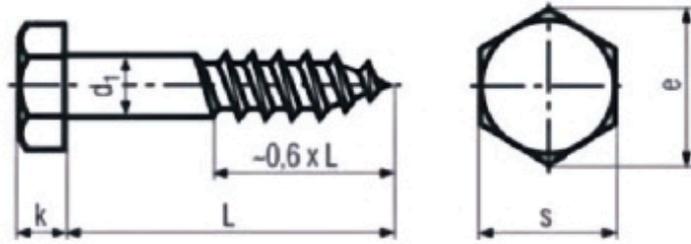


All measurements in millimeters

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	

HEX COACH SCREW

DIN 571

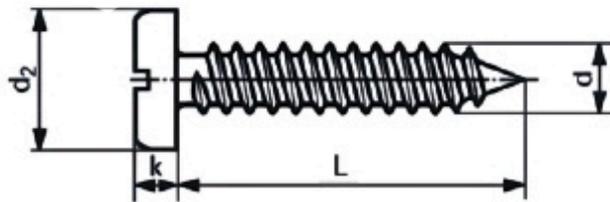


All measurements in millimeters

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	

PAN SLOTTED SELF TAPPING SCREW

DIN 7971

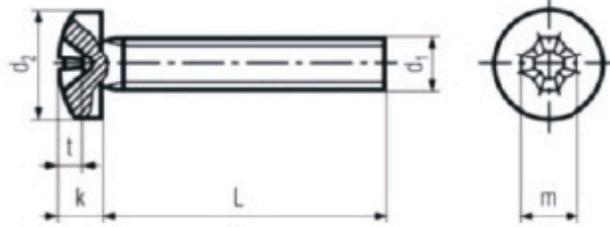


All measurements in millimeters

Manufacturing Process		Hot 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 MACHINE SCREW

DIN 7985

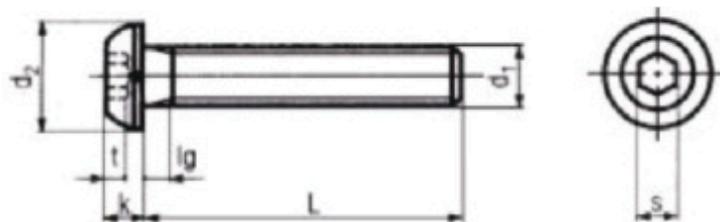


All measurements in millimeters

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

SOCKET BUTTON HEAD SCREW

ISO 7380



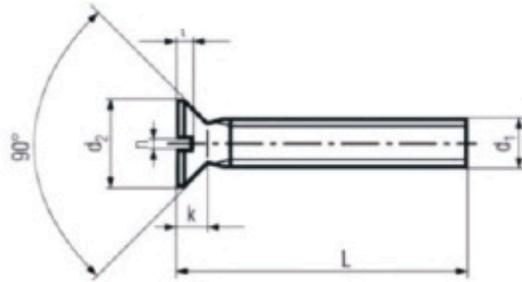
All measurements in millimeters

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

CSK SLOTTED SCREW

DIN 963



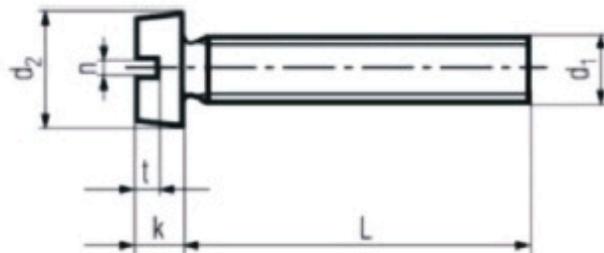
All measurements in millimeters

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

CHEESE HEAD SCREW

DIN 84



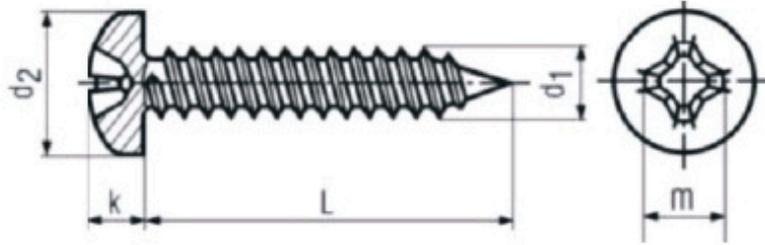
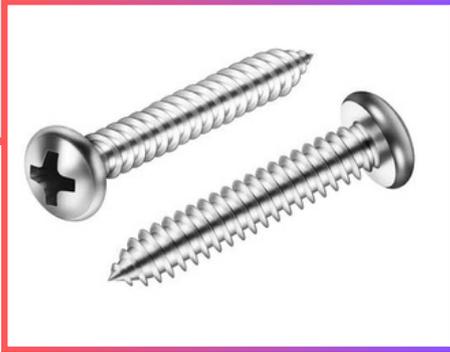
All measurements in millimeters

Manufacturing Process	Hot Forge					No			
	Cold Forge					Yes			
TECHNICAL SPECIFICATION									
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

PAN PHILLIPS SELF TAPPING SCREW

DIN 7981

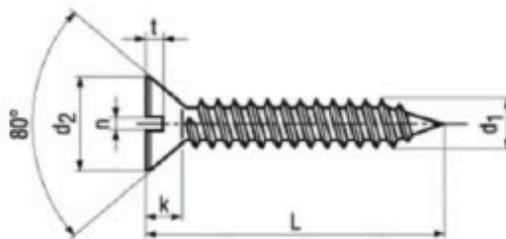


All measurements in millimeters

Manufacturing Process	Hot 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 SLOTTED SELF TAPPING SCREW

DIN 7972



Brand Name

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_{max}	1.7	2.1	2.3	2.5	3
n	0.8	1	1	1.2	1.2
t_{min}	0.5	0.6	0.7	0.75	0.85
L	6.5	6.5	9.5	9.5	13

POP RIVETS



AAAA AMBITION FASTENERS

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	-

PAN SLOTTED MACHINE SCREW



AAAA AMBITION FASTENERS

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	-

ROUND RIVETS

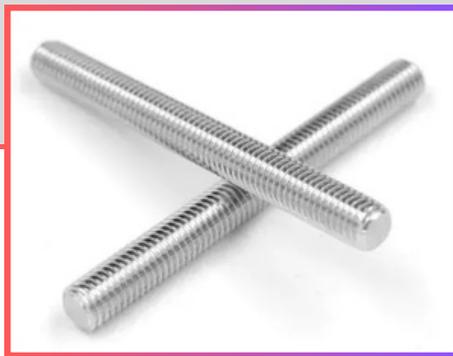
FLAT RIVETS



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

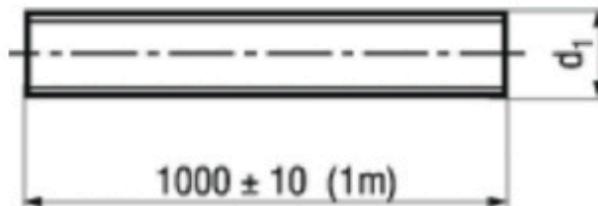
Manufacturing Process	Hot Forge	No
	Cold Forge	Yes
Size: (IS)	Diameter	M2 to M12
	Length	5 to 100
Size: (BS)	Diameter	-
	Length	-

All measurements in millimeters



THREADED ROD

DIN 975



All measurements in millimeters

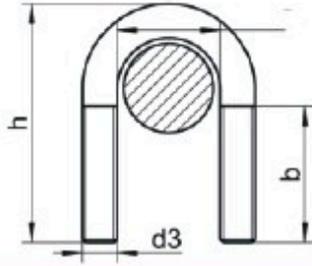
Manufacturing Process		Hot Forge				No			
		Cold Forge				Yes			
TECHNICAL SPECIFICATION									
d ₁	M3	M4	M5	M6	M8	M10	M12	M14	M16
d ₁	M18	M20	M22	M24	M27	M30	M33	M36	M39

Also available in BS & ANSI standard



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

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



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"

COTTER PIN DIN 94

DOWEL PIN DIN 6325

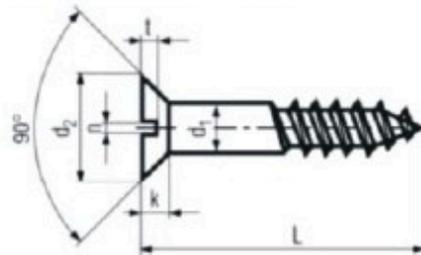


Manufacturing Process	Hot Forge	No
	Cold Forge	Yes
Size: (IS)	Diameter	M3 to M6
	Length	12 to 250
Size: (BS)	Diameter	1.6 to 12
	Length	1/16" to 1/2"

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

All measurements in millimeters

WOOD SCREW DIN 97



AAAATM
Brand Name

All measurements in millimeters

Manufacturing Process	Hot Forge		No				
	Cold Forge		Yes				
TECHNICAL SPECIFICATION							
d_1	M2	M3	M4	M5	M6	M7	M8
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

CUSTOMIZED BOLT



U BOLT



J BOLT



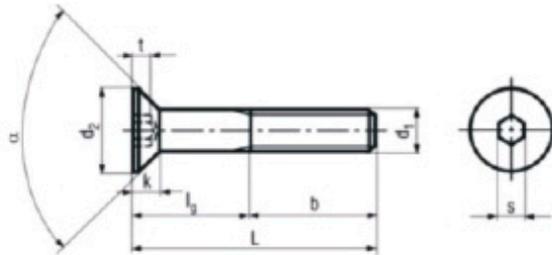
T BOLT

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	



ALLEN CSK DIN 7991 / ISO 10642



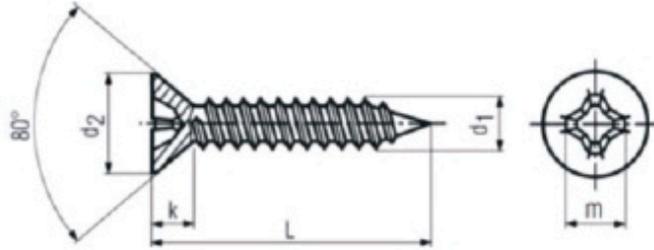
All measurements in millimeters

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

CSK PHILIPS SELF TAPPING SCREW

DIN 7982

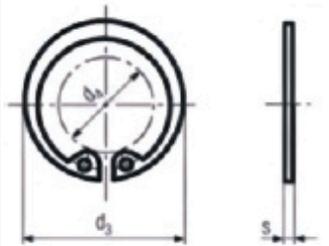
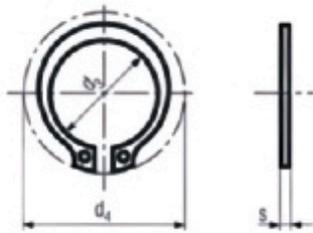


All measurements in millimeters

Manufacturing Process	Hot 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 max	1.3	1.7	2.1	2.3	2.5	3	3.4	3.8
m approx.	2.5	3	4.2	4.6	4.7	5.1	6.8	7.1

EXTERNAL CIRCLIP DIN 471

INTERNAL CIRCLIP DIN 472

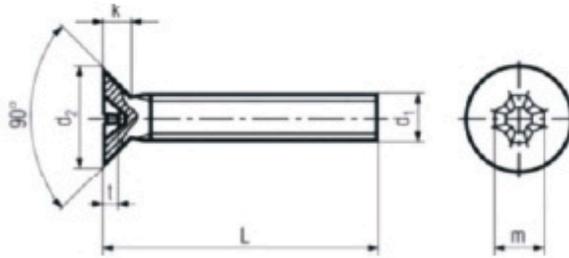


Manufacturing Process	Hot Forge	No
	Cold Forge	Yes
Size: (IS)	Diameter	M4 to M100
	Length	-
Size: (BS)	Diameter	-
	Length	-

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

All measurements in millimeters

CSK PHILIPS MACHINE SCREW DIN 965



All measurements in millimeters

Manufacturing Process	Hot Forge		Cold Forge		No		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		

PITCH TABLE FOR MATERIC 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 indicated
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

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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

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Group Of Companies

AAAA **AMBITION
FASTENERS**

AAAATM

Brand Name

AAAA

**AMBITION
FASTENERS**

AAAATM

Brand Name

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