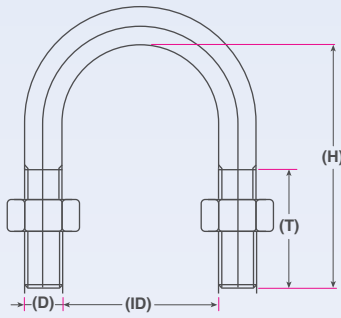




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ALL YOUR FASTENER NEEDS

www.standardbolts.net

U-BOLTS FOR STEEL PIPING



- 1 The following dimensions are recommended for standard steel piping fitting, custom made to special dimensions also available.
- 2 Grade of material use can be any of the following:
 - Low Carbon Steel, Alloy Steel, Stainless Steel
- 3 The product shall be bore finished, special coating is available i.e., Zinc Plating, Hot Dipped Galvanize Plated.

Nominal Pipe Size		Pipe Outside Diameter	Thread Size (D)		Inner Dimension (ID)	Height (H)	Thread Length (T)
mm	inch	mm	mm	inch	mm	mm	mm
15	1/2	21.7	6	1/4	24	42	22
20	3/4	27.2	6	1/4	30	47	22
25	1"	34.0	6	1/4	36	53	25
32	1-1/4	42.7	6	1/4	46	64	28
40	1-1/2	48.6	10	3/8	52	73	30
50	2"	60.5	10	3/8	64	85	32
65	2-1/2	76.3	10	3/8	80	105	35
80	3"	89.1	10	3/8	92	118	35
90	3-1/2	101.6	12	1/2	104	131	40
100	4"	114.3	12	1/2	118	150	55
125	5"	139.8	12	1/2	144	176	55
150	6"	165.2	16	5/8	170	210	65
200	8"	216.3	16	5/8	222	262	65
250	10"	267.4	20	3/4	274	320	75
300	12"	318.5	22	7/8	326	380	90
350	14"	355.6	22	7/8	362	420	90
400	16"	406.4	22	7/8	414	470	90
450	18"	457.2	24	1"	466	530	110
500	20"	508.0	24	1"	518	585	110
550	22"	558.8	24	1"	568	640	120
600	24"	609.6	24	1"	620	690	120

CUSTOM MADE

					
ASTM HEX BOLT WITH NUT & FW	ASTM STUD BOLT & NUT	DOUBLE END STUD	J BOLT	J-HOOK	L-BOLT
					
SAG ROD	SPECIAL EYE BOLT	SQUARE U-BOLT	V-BOLT	U-BOLT	KNURL HEAD SCREW

Thread Size Comparison

Metric Pitch (MM)				Imperial Thread Per Inch					
Dia.	Coarse	Fine	Extra Fine	Dia.	Commonly Thread		UNF	UN8	BSF
					UNC	BSW			
M1	0.25			#4	40		48		
M1.2	0.25			#5	40	40	44		
M1.4	0.3			#6	32		40		
M1.6	0.35			#8	32		36		
M2	0.4			#10	24	24	32		32
M2.5	0.45			#12	24		28		
M3	0.5	0.35		1/4	20	20	28		26
M3.5	0.6			5/16	18	18	24		22
M4	0.7	0.5		3/8	16	16	24		20
M5	0.8	0.5		7/16	14	14	20		18
M6	1.0	0.75		1/2	13	12	20		16
M7	1.0	0.75		9/16	12	12	18		16
M8	1.25	1.0		5/8	11	11	18		14
M10	1.5	1.25	1.0	3/4	10	10	16		12
M12	1.75	1.5	1.25	7/8	9	9	14		11
M14	2.0	1.5	1.0	1"	8	8	12	8	10
M16	2.0	1.5	1.0	1.1/8	7	7	12	8	9
M18	2.5	2.0	1.5	1.1/4	7	7	12	8	9
M20	2.5	2.0	1.5	1.3/8	6	6	12	8	8
M22	2.5	2.0	1.5	1.1/2	6	6	12	8	8
M24	3.0	2.0	1.5	1.5/8	5	5		8	8
M27	3.0	2.0	1.5	1.3/4	5	5		8	7
M30	3.5	3.0	2.0	1.7/8				8	
M33	3.5	3.0	2.0	2"	4.5	4.5		8	7
M36	4.0	3.0		2.1/4	4.5	4		8	6
M39	4.0	3.0		2.1/2	4	4		8	6
M42	4.5	3.0		2.3/4	4	3.5		8	6
M45	4.5	3.0		3"	4	3.5		8	5
M48	5.0	3.0		3.1/4	4	3.25		8	5
M52	5.0	3.0		3.1/2	4	3.25		8	4.5
M56	5.5	4.0		3.3/4	4	3		8	4.5
M60	5.5	4.0		4"	4	3		8	4.5
M64	6.0	4.0							

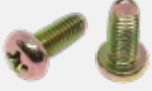
ANCHOR BOLTS

					
CHEMICAL ANCHOR STUD	CHEMICAL ANCHOR STUD WITH DOG POINT	DYNA BOLT	DROP IN ANCHOR	EXPANSION ANCHOR	HEX HEAD SLEEVE ANCHOR
					
HIT ANCHOR	SET ANCHOR	SHIELD ANCHOR	SHIELD ANCHOR WITH EYE BOLT	SLEEVE ANCHOR	WEDGE ANCHOR
					
NYLON WING PLUG	PLASTERBOARD TOGGLE	NYLON IMPACT ANCHOR	NAIL IN ANCHOR	HAMMER CAPSULES	SPIN CAPSULES

SOCKET TYPE

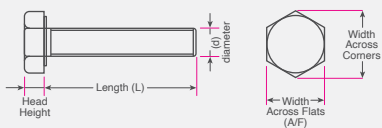
					
BUTTON CAP SCREW	COUNTERSUNK CAP SCREW	SOCKET HEAD CAP SCREW (FULL THREAD)	SOCKET HEAD CAP SCREW (HALF THREAD)	SOCKET HEAD CAP SCREW (GRADE 8.8)	SOCKET HEAD SHOULDER SCREW
					
SOCKET HEAD CAP SCREW (LOW HEAD)	BUTTON CAP SCREW WITH TORX PIN	JCBC & JCBB SCREW	BALL PLUNGER (SLOTTED TYPE)	BALL PLUNGER (SOCKET TYPE)	SOCKET SET SCREW WITH CUP POINT
					
SOCKET SET SCREW WITH CONE POINT	SOCKET SET SCREW WITH FLAT POINT	SOCKET SET SCREW WITH DOG POINT	SPRING PLUNGER	SOCKET PIPE PLUG	KNURL KNOB FOR CAP SCREW

MACHINE SCREW

					
BINDING HEAD MACHINE SCREW	CHEESE HEAD MACHINE SCREW	COUNTERSUNK MACHINE SCREW	PAN HEAD MACHINE SCREW	ROUND HEAD MACHINE SCREW	TRUSS HEAD MACHINE SCREW
					
BINDING HEAD TAPTITE SCREW	PAN HEAD TAPTITE SCREW	COUNTERSUNK TAPTITE SCREW	FLANGE BOLT TAPTITE SCREW	COUNTERSUNK TAPTITE SCREW (TORX HEAD)	PAN HEAD TAPTITE SCREW (TORX HEAD)

HEXAGON BOLT

HEXAGON BOLT (FULL THREAD)



DIN 933

DIN 961
(FINE PITCH)



BLACK OXIDE
PLATED



ZINC PLATED

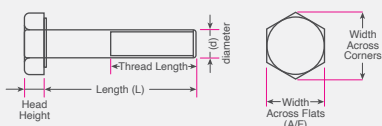


RAINBOW PLATED



STAINLESS STEEL

HEXAGON BOLT (HALF THREAD)



DIN 931

DIN 960
(FINE PITCH)



MECHANICAL
GALVANIZE PLATED



HOT DIPPED
GALVANIZE PLATED



TRIVALENT COBALT
ZINC PLATED



TRIVALENT
RAINBOW PLATED

Size	M4	M5	M6	M7	M8	M10	M12	M14	M16	M18	M20
Pitch	0.7	0.8	1.0	1.0	1.25	1.5	1.75	2.0	2.0	2.5	2.5
Width Across Flat	7MM	8MM	10MM	11MM	13MM	17MM	19MM	22MM	24MM	27MM	30MM
Width Across Corners	7.66MM	8.79MM	11.05MM	12.12MM	14.38MM	17.77MM	20.03MM	24.49MM	26.75MM	30.14MM	33.53MM
Head Height	2.8MM	3.5MM	4MM	4.8MM	5.3MM	6.4MM	7.5MM	8.8MM	10MM	11.5MM	12.5MM

Size	M22	M24	M27	M30	M33	M36	M39	M42	M45	M48	
Pitch	2.5	3.0	3.0	3.5	3.5	4.0	4.0	4.5	4.5	5.0	
Width Across Flat	32MM	36MM	41MM	46MM	50MM	55MM	60MM	65MM	70MM	75MM	
Width Across Corners	37.72MM	39.98MM	45.2MM	50.85MM	55.37MM	60.79MM	66.44MM	71.3MM	76.95MM	82.6MM	
Head Height	14MM	15MM	17MM	18.7MM	21MM	22.5MM	25MM	26MM	28MM	30MM	

BOLTS



HEXAGON BOLT
(DIN 933)



HEXAGON BOLT
(DIN 931)



BRASS HEXAGON
BOLT



NYLON HEXAGON
BOLT



SWING BOLT



STUD BOLT



CARRIAGE BOLT



FLANGE BOLT
(MILD STEEL)



FLANGE BOLT
(GRADE 8.8)



WING BOLT

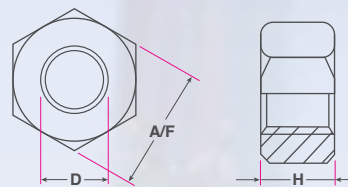


EYE BOLT



FOOT CAP

HEXAGON NUT



Size	M2	M2.5	M3	M3.5	M4	M5	M6	M7	M8	M10	M12	M14	M16	M18	M20
Pitch	0.4	0.45	0.5	0.6	0.7	0.8	1.0	1.0	1.25	1.5	1.75	2.0	2.0	2.5	2.5
A/F	4MM	5MM	5.5MM	6MM	7MM	8MM	10MM	11MM	13MM	17MM	19MM	22MM	24MM	27MM	30MM
Height	1.6MM	2MM	2.4MM	2.8MM	3.2MM	4MM	5MM	5.8MM	6.5MM	8MM	10MM	11MM	13MM	15MM	16MM
Size	M22	M24	M27	M30	M33	M36	M39	M42	M45	M48	M52	M56	M60	M64	
Pitch	2.5	3.0	3.0	3.5	3.5	4.0	4.0	4.5	4.5	5.0	5.0	5.5	5.5	6.0	
A/F	32MM	36MM	41MM	46MM	50MM	55MM	60MM	65MM	70MM	75MM	80MM	85MM	90MM	95MM	
Height	18MM	19MM	22MM	24MM	26MM	29MM	31MM	34MM	36MM	38MM	42MM	45MM	48MM	51MM	

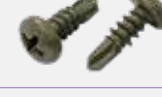
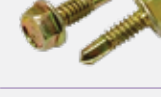
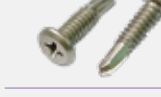
NUTS

ALL METAL LOCK NUT	CAP NUT	CASLTE NUT	HEXAGON LONG NUT	HEXAGON NUT	U-NUT
NYLON LOCK NUT	HEXAGON FLANGE NUT	INSERT NUT WITH FLANGE AND ROULETTE	INSERT NUT WITH FLANGE	INSERT NUT HALF HEX WITH FLANGE	KEP NUT
SQUARE NUT	SPRING NUT	WING NUT	EYE NUT	TEE NUT	WOOD INSERT TYPE D

WASHER

BONDED WASHER	CONICAL DISC SPRING WASHER	CONTACT WASHER	CONTACT WASHER WITH TEETH	COPPER WASHER	DISC SPRING WASHER
FLAT WASHER	SPRING WASHER	EXTERNAL OVERLAP TOOTH LOCK WASHER	EXTERNAL TOOTH LOCK WASHER	INTERNAL TOOTH LOCK WASHER	INTERNAL OVERLAP TOOTH LOCK WASHER
NYLON FLAT WASHER	QUICK LOCK WASHER	WEDGE LOCK WASHER	SQUARE WASHER	TAPER WASHER	TWO TONGUE WASHER

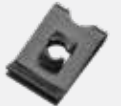
DRILLING SCREW

					
COUNTERSUNK SELF DRILLING SCREW	COUNTERSUNK SELF DRILLING SCREW WITH WING	PAN HEAD SELF DRILLING SCREW	WAFER HEAD SELF DRILLING SCREW	HEXAGON SELF DRILLING SCREW (HO)	HEXAGON SELF DRILLING SCREW (HW)
					
TD SCREW TYPE 17 HO	TD SCREW TYPE 17 HW	SCREW KING	PAN HEAD SELF DRILLING SCREW (RUSPERT)	HEXAGON SELF DRILLING SCREW (FINE THREAD)	WAFER HEAD SELF DRILLING SCREW (FINE THREAD)

TAPPING SCREW / WOOD SCREW

					
CHIPBOARD SCREW	DRYWALL SCREW (BLACK)	DRYWALL SCREW (ZINC)	COUNTERSUNK SELF TAPPING SCREW	PAN HEAD SELF TAPPING SCREW	TRUSS HEAD SELF TAPPING SCREW
					
COACH SCREW	HEX HEAD SELF TAPPING SCREW	PAN HEAD STS (TYPE B)	PAN HEAD STS (TYPE BT)	TRUSS HEAD STS (TYPE B)	TRUSS HEAD STS (TYPE BT)

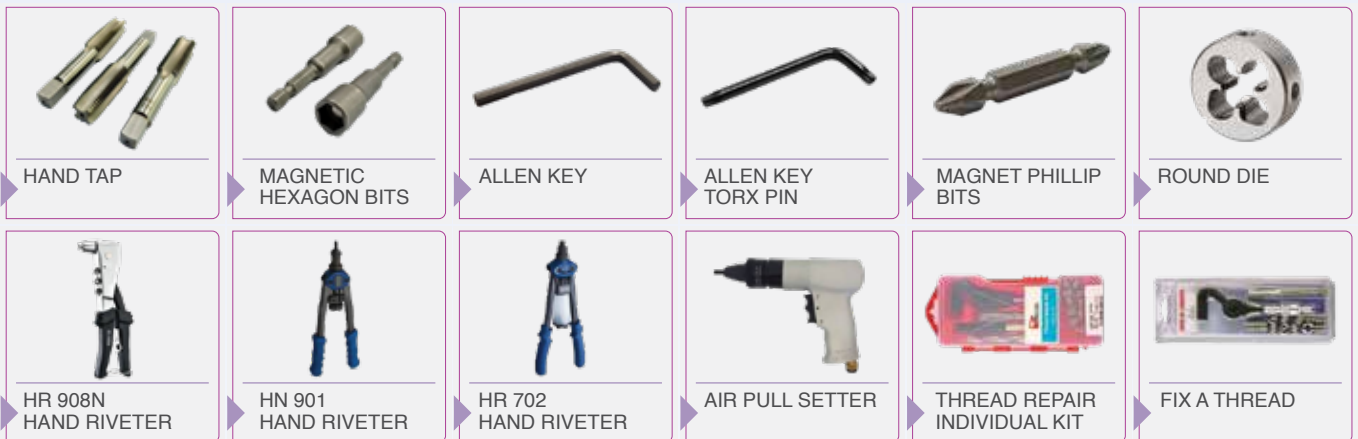
CLIP & PIN

					
INTERNAL CIRCLIP	EXTERNAL CIRCLIP	PUSH ON CLIP	U CLIP (SPEED NUT)	E CLIP	HAMMER DRIVE
					
DOWEL PIN	PULL OUT DOWEL PIN	SPIRAL PIN	SPRING PIN	COTTER PIN	TAPER PIN
					
R PIN (JIS B1351)	SNAP PIN (DIN 11024)	BULBING HS RIVET	EXPANDING HS RIVET	DOMED HEAD BLIND RIVET	MULTI-GRIP BLIND RIVET

OTHER



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