



FASTENERS

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U - BOLTS



Type	Flat Half-round,full-round Half-round With Forged – Section Full - Round With Forged – Section Flat With Forged - Section
Stem Length	Min. - 40 Mm Max.-650 Mm ,Dia - Min.-7mm Max.-30 Mm, Centre Distance Between Stems - Min.-24 Mm Max. - 130 Mm
Thread	Metric ,UNF/UNC Or BSF/BSW Thread Length - Max Upto 200 Mm, Rolled Threads.Thread Pitch - 1 Mm To 3 Mm
Materials	M.S,SAE - 1015 ,EN-8,CK-45,SAE - 1541,41cr4,sae - 4140,strength - 5.6 , 8.8,10.9
Surface Treatment	Phosphating , Zinc Plating(yellow, Blue & Green) Powder Coating (Black & Red) Self, Auto Black, Hot Dip Galvanize
Bending	Cold & Hot Both Facilities Are Available
Size	M8 To M24
Grades	4.6, 4.8, 5.6, 6.8, 8.8, A325
Standards	As Per Drawings

CENTRE - BOLTS



Type	Round Head With Slots & Milled Head Hot Cold Both Head Forming Facilities Are Available
Length	Min. - 75 Mm Max.-450 Mm
Dia	Min.-8 Mm Max.-18 Mm
Thread	Metric,UNF/UNC Or BSF/BSW, CUT & Rolled Threads
Materials	Thread Length - Max. 75% Of Total Length
Surface Treatment	Mild Steel,8.8 Grade,10.9 Grade(H.T. Materials Are Hardened & Tempered) Phosphating, auto-black & Zinc Plating Passivated.

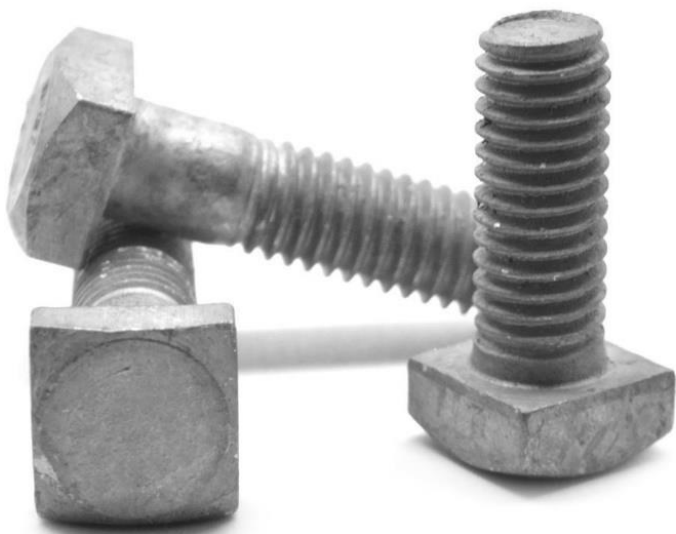
HEX HEAD BOLTS



Sizes	DIA M8 To M72 And Length From 12mm To 900mm
Grades	All Grades 4.6, 4.8, 5.6, 6.8, 8.8, 10.9, B7, L7, A325, A394, A2-70 Etc.
Finishes	Auto Black, HDG, Zinc Plated, PTFE, Teflon, Xylon, Cadmium, Dichromate, Rilson, Nickel Etc
Standards:	As Per All IS, ISO, DIN, ANSI, BS, ASTM, JIS Standards & Non-standard As Per Customers Drawing.



SQUARE HEAD BOLTS



Sizes	Sq Bolts M8 to M30 and Sq Sq Bolts M16 to M56
Finish	Auto Black, HDG, Zinc Plated, PTFE, Teflon, Xylon, Cadmium, dichromate, Rilson, Nickel etc.
Grade	4.6, 4.8, 6.8 & 8.8



CARRIAGE BOLTS



Sizes	M6 To M24
Grades	4.6, 4.8, 5.6, 8.8, 10.9
Finishes	Auto Black, HDG, Zinc Plated, PTFE, Teflon, Xylon, Cadmium, Dichromate, Rilson Etc.
Standards:	Din-603/ Is:2609/ Iso-8677/ Bs-4933

HEX NUT



Sizes	M5 To M120
Grades	4, 5, 6, 8, 10, 12 Etc.
Finishes	Auto Black, HDG, Zinc Plated, PTFE, Teflon, Xylon, Cadmium, Dichromate, Rilson Etc.
Standards:	As Per All IS, ISO, DIN, ANSI, BS, ASTM, JIS Standards.

HEX LOCK NUT

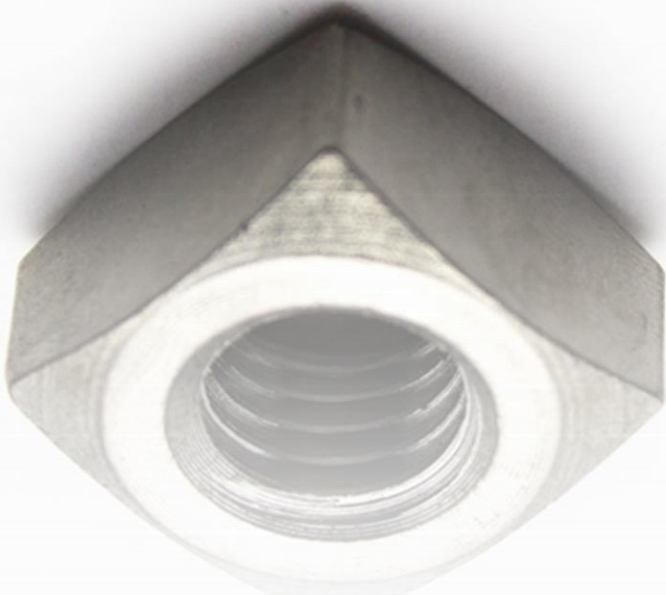


Sizes	M8 To M100
Grades	Auto Black, HDG, Zinc Plated, PTFE, Teflon, Xylon, Cadmium, Dichromate, Rilson Etc.
Finishes	4, 5, 6, 8, 10 Etc.
Standards:	IS, ISO, DIN Standards.

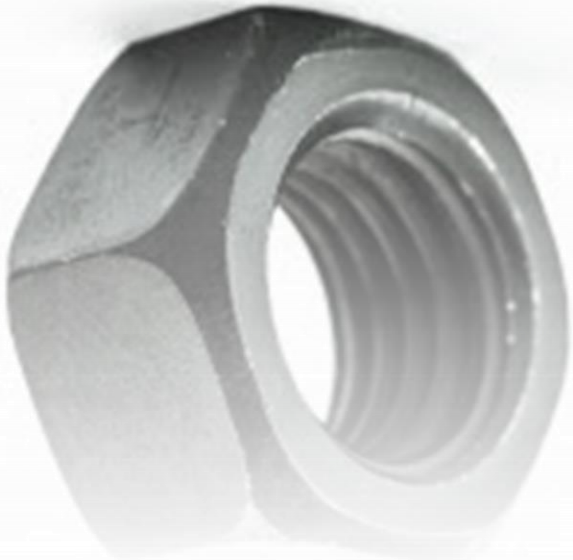
SQUARE NUTS



Sizes	M16 To M56
Grades	4, 5, 6, 8, 10 Etc.
Finishes	Auto Black, HDG, Zinc Plated, PTFE, Teflon, Xylon, Cadmium, Dichromate, Rilson Etc.
Standards:	Din 557



HEAVY HEX NUT



Sizes	M16 To M72 (5/8" To 3")
Grades	: 8, 10, 2H, 2HM, 4 & 7 Etc.
Finishes	Auto Black, HDG, Zinc Plated, PTFE, Teflon, Xylon, Dichromate, Rilson Etc.
Standards:	Astm, Ansi, Din

LONG NUTS



Sizes	M16 To M24
Grades	5, 6, 8, 10
Finishes	Auto Black, HDG, Zinc Plated
Standards:	Iso, Is, Din

SPRING WASHERS



Sizes	M5 To M45
Grades	En42 Steel
Finishes	Black, HDG, Mech. Galy, Zinc Plated
Standards:	Din 127, Is: 4072, Is: 3063

FLAT WASHERS



Flat Washers Available In All DIA From M5 To M72 & Anp; All Finishes As Per DIN 125, DIN126, ANSI/ASME B18.22.1, ASTM F-436, DIN 440, DIN 446, DIN 9021, DIN 7989, DIN 6916, DIN EN 14399, ISO 7416, ISO 7089, ISO 7091, IS:2016, BS4320 Etc.

SQUARE WASHERS



Sizes	M12 to M72
Grades	MS & En8
Finishes	Black, HDG, Mech. Galv, Zinc plated, PTFE, Rilson etc.
Standards:	DIN ,IS, ISO, ANSI and as per customer's requirement

Foundation Bolts



Sizes	DIA Up To 72 Mm And Length Up To 2 Meter
Material	Mild Steel, High Tensile, Alloy Steel, Stainless Steel And Special Material To Meet The Physical Properties At - 40 ⁰ Centigrade.
Finishes	Self, Black, HDG, Teflon
Standards:	As Per Customer's Requirement (I-shape, L-shape, J-shape Etc.)

STUDS



Sizes	DIA M12 To M72 And Length Up To 1000mm Or Equivalent In Inches Series.
Material	5.6, 8.8, 10.9, B7, L7 Etc.
Finishes	Auto Black, HDG, Zinc Plated, PTFE, Teflon, Xylon, Dichromate, Rilson Etc.
Standards:	IS 1862, DIN 938, ASTM A193, DIN 976 And As Per Customers Drawing.

J-BOLTS



Sizes	M12 To M24
Grade	4.6, 4.8, 5.6, 6.8, 8.8, A325
Finishes	Self, Auto Black, Hot Dip Galvanize And Zinc Plated
Standards:	As Per Drawing

EYE BOLTS & EYE NUTS



Sizes	DIA M16 To M39
Bolt Grade	4.8 & 8.8
Nut Grade	5, 8
Finishes	Black, Zinc Plated, Hot Dip Galvanize
Standards:	DIN-444- B/ DIN 580/DIN 582 Etc

HSFG BOLT, NUT & WASHERS



Sizes	DIA M16 To M72
Bolt Grade	8.8s & 10.9s, A325, A490, B7 & L7
Nut Grade	8S, 10S, 2H, 4 & Anp; 7
Washer's Grade	8, F-436
Finishes	Black, Zinc Plated, Hot Dip Galvanize, PTFE/ Teflon Or As Per Customer's Requirement
Standards:	Din, Is, Iso, Bs & Astm

PINS



Length	Max. 250 Mm
Dia	Min. 20 Mm Ivi ax. 44 Mm
Material	Sae - 8620, Sae - 4140, Sae - 1541, En - 353, En -19
Heat -Treatment	Case Carburised Or Induction - Hardened
Hardness Surface	62 HRC Max.
Case-depth	3.0 Mm Max. By Induction Hardening Process, 1.5 Mm Max. By Case - Carburising Process
Surface Treatment	Phosphating, MN-phosphating, Hard-chrome Plating, Zinc-plating, Rust Preventive Oil Film

HUB BOLT



Type	Round-head Milled Head D-type Head Centre Head
Length	Min.-30mm Max.-180 Mm
Dia Body	Min. -10 Mm Max. - 40 Mm
Dia Head	Min. -15 Mm Max. - 50 Mm
Thread	Metric, UNF / UNC Or BSF / BSW, Pitch - 1.0, 1.25, 1.50, 2.0, 2.5, 3.0
Material	M.S., EN-8, SAE-1541, 41cr4, SAE-4140
Strength	5.6, 8.8,10.9 Grade
Surface Treatment	Phosphating, Auto-black & Zinc-plating With White, Yellow & Green Passivated



Contact us :

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