

Valve & Flange Fasteners

SEPL

Engineering With Imagineering

- Fully Threaded Stud / Stud Bolt
- Double Ended Stud
- Hex Bolt & Heavy Hex Bolt
- Socket Cap Screw
- Hex Nut & Heavy Hex Nut
- Lock/Jam Nut
- Plain Washer
- Special Knurled Washers
- Disc Washer



Electro Polished Stainless Steel Studs



Fully Threaded Stud/Stud Bolts

Double Ended Stud

For valve Flange Fitting

Roller Thread Diameter : M6-1/4" to M110-4-1/2"

Roller Thread Length : Any Length

*Both Side Chamfered

We do thread rolling of Studs after Heat-treatment process to avoid Dent/Damage to threads during Handling & Heat-treatment process. This also helps to improve Mechanical Properties of the Fasteners. It is proved that if thread rolling is done after heat-treatment it helps to prevent decarburization on surface & gives better Gauge Fitment as heat-treatment surface distortion is been removed by center less Grinding process before thread rolling.

Design:

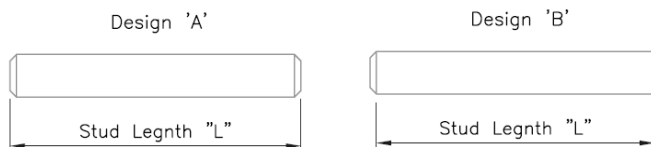
Design A: For Low Pressure Class Joints as per API 6A

Design B: For High Pressure Class Joints as per API6A & ASME B16.5

Thread Class:

Metric : 6g, 6h, Special Class

Inch : 2A, 3A, Special Class



Regular Material Grades:

ASTM A193 -B7, B7M, B16, B8, B8M, B8T (B8,B8M,B8T Class 2 up to limited Diameter)

ASTM A320 -L7, L7M, L43, B8, B8M, B8T (B8,B8M,B8T Class 2 up to limited Diameter)

ISO 898-1 -8.8, 9.8, 10.9, 12.9, 12.9

SS -SS 304, SS 316, SS 316L,SS 316Ti,SS 321,SS 310

Duplex Gr. -UNS31803, UNS32750, UNS32760

Alloys -Nickel Alloy, Hastelloy, Inconel, Monel (400/K500)

We provide facility of special chemistry/grade requirement subject to MOQ.

Surface Costing:

Zinc Phosphatizing (Black) with Rust stop Oil Layer, Zinc Plating, Hot Dip Galvanizing, Zinc Flake Coating, PTFE, Xylan®, Teflon®, Nylon®, Cr-Ni Plating, ENP



Hex & Heavy Hex Bolts Socket Cap Screws

Cold Forged*	: M1.2-#1 to M20-3/4"
Length	: 4MM-0.16" to 150 -6"MM
Hot Forged	: M20-3/4" to M64-2-1/2"
Length	: 20MM-3/4" to Any Length

*Cold Forging Operation Limited to feasible Materials

Manufacturing Standards:

ISO, DIN, ANSI/ASME, IS, BS, JIS

Regular Material Grades:

ASTM A193 -B7, B7M, B16, B8, B8M, B8T (B8,B8M,B8T Class 2 up to limited Diameter)

ASTM A320 -L7, L7M, L43, B8, B8M, B8T (B8,B8M,B8T Class 2 up to limited Diameter)

ISO 898-1 -8.8, 9.8, 10.9, 12.9, 12.9

SS -SS 304, SS 316, SS 316L,SS 316Ti,SS 321,SS 310

Duplex Gr. -UNS31803, UNS32750, UNS32760

Alloys -Nickel Alloy, Hastelloy, Inconel, Monel (400/K500)

We provide facility of special chemistry/grade requirement subject to MOQ.

Surface Costing:

Zinc Phosphatizing (Black) with Rust stop Oil Layer, Zinc Plating, Hot Dip Galvanizing, Zinc Flake Coating, PTFE, Xylan®, Teflon®, Nylon®, Cr-Ni Plating, ENP



Hex & Heavy Hex Nuts Lock/Jam Nuts

Forged : M1.2-#2 to M110-6"
Machined : M6-1/4" to M350-14"

Manufacturing Standards:

ISO, DIN, ANSI/ASME, IS, BS, JIS



Regular Material Grades:

ASTM A194 -2H, 2HM, Gr.4, Gr. 7, Gr. 8, Gr. 8M, Gr. 8T

ISO 898-2 -Gr. 8, Gr. 9, Gr. 10, Gr. 12

SS -SS 304, SS 316, SS 316L, SS 316Ti, SS 321, SS 310

Duplex Gr. -UNS31803, UNS32750, UNS32760

Alloys -Nickel Alloy, Hastelloy, Inconel, Monel (400/K500)

We provide facility of special chemistry/grade requirement subject to MOQ.

Surface Coating:

Zinc Phosphating (Black) with Rust stop Oil Layer, Zinc Plating, Hot Dip Galvanizing, Zinc Flake Coating, PTFE, Xylan®, Teflon®, Nylon®, Cr-Ni Plating, ENP



Plain Washers & Machined Washers

Punched Washer	: Upto 300 MM Diameter & 8 MM Thick
Machined Washer	: Upto 600 MM Diameter & Any Thickness
Forged Washer	: Upto 400 MM Diameter & Any Thickness

*Special facility to Both Side Washers Grinding

** Special Serration Grip Flat Washer for Maximum Grip On Nut & Gripping Face.

***Washer Grade Ck45 / AISI 1045 / AISI 4140 – Hardened & Tempered on Request

****Strain Hardened Stainless Washer (450 HV Hardness)

Disc Washers / Conical Spring Washers Knurled Washer

Punched Disc Washer	: Upto 300 MM Diameter & 8 MM Thick
Forged Disc Washer	: Upto 400 MM Diameter & 40 MM Thick

*Knurled/Serrated Face Option available on Request. Use for Vibration resistance.

**Stainless Steel Full Hard(Strain Hardened, 450 HV) Washer available upto limited thickness

Manufacturing Standards:

ISO, DIN, ANSI/ASME, IS, BS, JIS



Regular Material Grades:

Carbon Steel-Carbon Steel Cold Drawn, Medium Carbon Steel, High Carbon Steel

SS -SS 304, SS 316, SS 316L,SS 316Ti,SS 321,SS 310

Duplex Gr. -UNS31803, UNS32750, UNS32760

Alloys -Nickel Alloy, Hastelloy, Inconel, Monel (400/K500)

Surface Costing:

Zinc Phosphating (Black) with Rust stop Oil Layer, Zinc Plating, Hot Dip Galvanizing, Zinc Flake Coating, PTFE, Xylan®, Teflon®, Nylon®, Cr-Ni Plating, ENF

