

PRECISION FASTENER MANUFACTURING

Engineered bolting and machined components — built in Houston, Texas for energy, industrial, and aerospace & defense.



ISO 9001

API Q1

API 20E/20F

AS9100/9120

EST. 2016

HOUSTON, TEXAS

24/7

EMERGENCY SUPPORT

1/4"-4"

STUD DIAMETER RANGE

100%

USA MANUFACTURING

41,000 FT²

MANUFACTURING SPACE

01 STUD BOLTS

- 1/4" to 4" Diameter
- B7 · B16 · L7
- B8 / B8M Class 1 & 2
- Plain, Cad & Xylan® Coated
- All ASTM Specifications

02 STUDS

- Full Thread · Double End
- Tap End · Single End Tapered
- Combination · Collar Studs
- Complete Assemblies

03 HEAVY HEX NUTS

- 2H · 2HM · Gr7 / 7M
- Gr8 · Gr8M
- 8A · 8MA

04 GASKETS

- 1/4" to 72" Diameter
- Spiral Wound — Stainless & Exotics
- Cut Gaskets · PTFE · Neoprene
- API Rings · Isolation Kits

05 MACHINE SERVICES

- CNC Milling & Turning
- Cutting · Chamfering · Drilling
- Tapping · Overtapping · Roll Threading
- Custom Etching & Engraving

06 COATINGS

- Zinc · Cadmium · Black Oxide
- Hot Dip & Mechanical Galvanizing
- Modumetal® NanoGalv®
- Xylan® · Fluorokote #1®
- Sermagard®

07 MATERIALS

ALLOY STEEL

SAE Gr.8 · 4140 · 4340
A193 B7 / B7M / B16
A320 L7 · A354 BC / BD

STAINLESS

304 · 316 / 316L · 321 ·
410
17-4 PH · A286 · Alloy 20

NICKEL ALLOYS

Monel® · Inconel®
Incoloy® · Hastelloy®

COPPER ALLOYS

Copper · Brass · Silicon,
Phosphor & Aluminum
Bronze

EXOTICS

Titanium · Zirconium
Non-Metallics & More





FLANGE BOLTING CHART

STUD BOLT SELECTION · ASME B16.5 FLANGES

SERIES 150 FLANGE

PIPE SIZE	STUD QTY	DIA	LNG RF/FF	LNG RTJ
1	4	1/2"	2-1/2"	3"
1.5	4	1/2"	2-3/4"	3-1/4"
2	4	5/8"	3-1/4"	3-3/4"
3	4	5/8"	3-1/2"	4-1/4"
4	8	5/8"	3-1/2"	4-1/4"
6	8	3/4"	4"	4-1/2"
8	8	3/4"	4-1/4"	4-3/4"
10	12	7/8"	4-3/4"	5-1/4"
12	12	7/8"	4-3/4"	5-1/2"
14	12	1"	5-1/4"	6"
16	16	1"	5-1/2"	6"
18	16	1-1/8"	6"	6-1/2"
20	20	1-1/8"	6-1/2"	7"
24	20	1-1/4"	7"	7-3/4"

SERIES 600 FLANGE

PIPE SIZE	STUD QTY	DIA	LNG RF/FF	LNG RTJ
1	4	5/8"	3-1/2"	3-1/2"
1.5	4	3/4"	4-1/4"	4-1/4"
2	8	5/8"	4-1/4"	4-1/2"
3	8	3/4"	5"	5-1/4"
4	8	7/8"	5-3/4"	6"
6	12	1"	6-3/4"	7"
8	12	1-1/8"	7-3/4"	8"
10	16	1-1/4"	8-1/2"	8-3/4"
12	20	1-1/4"	8-3/4"	9"
14	20	1-3/8"	9-1/4"	9-1/2"
16	20	1-1/2"	10"	10-1/4"
18	20	1-5/8"	10-3/4"	11"
20	24	1-5/8"	11-1/2"	11-3/4"
24	24	1-7/8"	13"	13-1/2"

SERIES 300 FLANGE

PIPE SIZE	STUD QTY	DIA	LNG RF/FF	LNG RTJ
1	4	5/8"	3"	3-1/2"
1.5	4	3/4"	3-1/2"	4"
2	8	5/8"	3-1/2"	4"
3	8	3/4"	4-1/4"	4-3/4"
4	8	3/4"	4-1/2"	5"
6	12	3/4"	4-3/4"	5-1/2"
8	12	7/8"	5-1/2"	6"
10	16	1"	6-1/4"	6-3/4"
12	16	1-1/8"	6-3/4"	7-1/4"
14	20	1-1/8"	7"	7-1/2"
16	20	1-1/4"	7-1/2"	8"
18	24	1-1/4"	7-3/4"	8-1/4"
20	24	1-1/4"	8-1/4"	8-3/4"
24	24	1-1/2"	9-1/4"	10"

SERIES 900 FLANGE

PIPE SIZE	STUD QTY	DIA	LNG RF/FF	LNG RTJ
1	4	7/8"	5"	5"
1.5	4	1"	5-1/2"	5-1/2"
2	8	7/8"	5-3/4"	6"
3	8	7/8"	5-3/4"	6"
4	8	1-1/8"	6-3/4"	7"
6	12	1-1/8"	7-3/4"	8"
8	12	1-3/8"	8-3/4"	9"
10	16	1-3/8"	9-1/4"	9-1/2"
12	20	1-3/8"	10"	10-1/2"
14	20	1-1/2"	10-3/4"	11-1/2"
16	20	1-5/8"	11-1/4"	12"
18	20	1-7/8"	13"	13-1/2"
20	20	2"	13-3/4"	14-1/4"
24	20	2-1/2"	17-1/4"	18"

NOTES Stud counts & diameters per ASME B16.5. Lengths measured first thread to first thread — verify coating build-up & service conditions. Class 1500 / 2500 and B16.47

