

Oil & Gas Anchor Bolts (M16–M36) — Grade 8.8

We manufacture high-strength anchor bolts for Oil & Gas with HDG and SS316 options. Sizes M16–M36, fast PAN-India dispatch, and BOQ review in 24 hours.

Quick Specs

Parameter	Specification
Sizes	M16, M20, M24, M30, M36
Grades	8.8 standard (higher grades on request)
Materials / Coatings	HDG, SS316; zinc-plated for dry indoor
Typical Concrete	M30 or higher
Embedment (rule)	10–12 × bolt diameter (final as per design/tests)
Documentation	Heat numbers, torque/pull-out reports, HDG/SS certificates, optional PMI

Typical Applications (Oil & Gas)

- Pipe racks & sleepers
- Pumps, compressors, skids, heat exchangers
- Platforms, walkways, handrails
- Tank foundations & equipment pedestals
- Cable trays and brownfield retrofits

Refinery & Terminal — Fast Dispatch

- Pre-packed kits with nuts, washers, plates and project labels
- Template plates with stamped markings for cast-in accuracy
- HDG/SS316 documentation bundle on request
- Just-in-time deliveries matched to shutdown windows

Chemical-Resistant Options (SS316/HDG)

Choice	Where to use
SS316	Chloride/chemical splash zones, coastal and marine influence
HDG	General outdoor industrial areas and pipe racks
Zinc-plated	Dry indoor rooms; avoid in harsh environments

- Keep same-metal stacks (bolt, nut, washer) to avoid galvanic corrosion
- Seal penetrations to block water ingress
- Specify HDG thickness or SS grade clearly in the RFQ

Sizes & Installation Data (Example)

Bolt Size	Typical Type	Drill Ø (mm)*	Embedment (mm)*	Coating	Typical Use
M16	J / L	18-20	160-200	HDG / SS316	Trays, small pumps
M20	J / L	22-24	200-240	HDG / SS316	Pipe racks, platforms
M24	J / L	26-28	240-300	HDG / SS316	Exchangers, compressors
M30	J + plate	32-34	300-360	HDG / SS316	Heavy skids
M36	J + plate	38-40	360-430	HDG / SS316	Large pedestals

*For post-installed holes; cast-in uses templates (no drilling).

**Rule-of-thumb only; finalize per structural design and site pull-out tests.

Installation Overview

- Cast-in: Fix template → tie to rebar → pour & protect threads → verify projection/alignment → grout & double-nut to torque
- Retrofit: Mark → drill to size/depth → clean hole (blow-brush-blow) → install mechanical/chemical anchor → torque & test → grout if required

Common Mistakes to Avoid

- Using zinc-plated in chloride or coastal zones
- Under-embedment or poor edge distance causing pull-out/cracking
- Skipping hole cleaning in retrofits (big capacity loss)
- Mixing dissimilar metals leading to galvanic corrosion
- Poor control of projection causing base-plate misalignment

HDG vs SS316 — Quick Comparison

Factor	HDG	SS316
Corrosion Resistance	High (industrial outdoor)	Very high (chlorides/chemical/coastal)
Cost	Lower	Higher
Maintenance	Inspect periodically	Lower, still inspect
Best For	Pipe racks, platforms	Splash zones, coastal, critical assets

Order Checklist (Add to RFQ)

- Base-plate drawings
- Bolt size, thread, projection and quantity per tag
- Coating choice (HDG/SS316) and environment class (C1-C5)
- Required dispatch date and delivery window

Ferry International — Oil & Gas Anchor Bolts (HDG & SS316)

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M16-M36 • Grade 8.8 • PAN-India Dispatch • BOQ Review in 24h

Upload BOQ & drawings for a detailed quote in 24 hours • WhatsApp for quick pricing • Download this spec as PDF