



Fasteners Catalogue.

KAFI GROUP — TRADING & INDUSTRIAL SUPPLIES • 2026 EDITION

Bolts, nuts, studs, washers and anchors — supplied to specification in metric and inch series, with the material certificates and test documentation the project asks for.



BOLTS • NUTS • STUDS • WASHERS • ANCHORS

JUBAIL INDUSTRIAL CITY

M3–M120

Metric range
1/4 in – 5 in

1200mm

Bolt lengths
6000 mm threaded bar

8

Fastener
families

35+

Years of supply
since 1990



01 — WHO WE ARE

Three decades of industrial supply.

A family-owned business supplying the Kingdom's industrial heart from Al Jubail since 1990.

KAFI GROUP has supplied Saudi industry since 1990 — steel materials, fasteners, valves, fittings and lifting equipment — backed by a global sourcing network for large-scale and urgent requirements. We are a registered, approved vendor to Saudi Aramco, SABIC, MARAFIQ, MA'ADEN and other major operators.

We treat every delivery as a commitment:
the right material, on specification, on time.

LEGAL NAME	KAFI GROUP for Trading & Industrial Supplies
COMMERCIAL REG.	7014326180
VAT NUMBER	300409992800003
FOUNDED	1990 — Al Jubail
SITES	Showroom & office — Al Dana District Warehouse & workshop — Al Uraifi

What supports the supply CAPABILITY

Global sourcing

Bought direct from the mill against your specification — standard, special and urgent requirements.

Local stock in Jubail

A main warehouse in Al Uraifi keeps the most-requested items on the shelf, minutes from the largest complexes.

Documented quality

A dedicated QA team checks every item against the buyer specification before dispatch. Material certificates on demand.

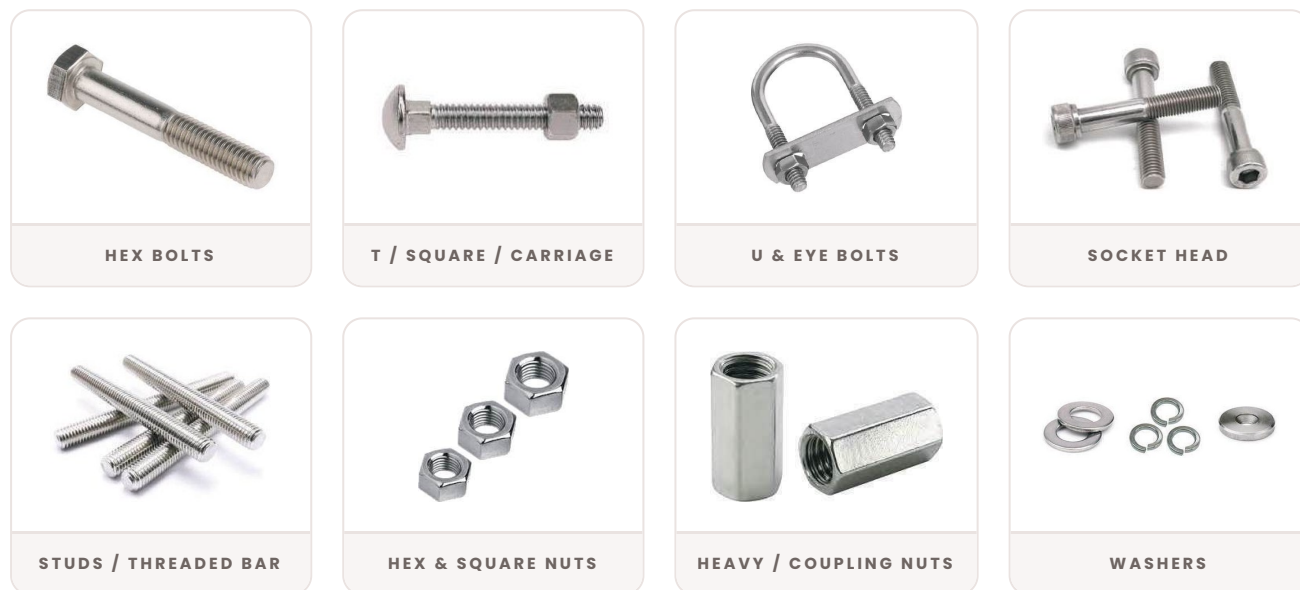




02 — WHAT WE SUPPLY

Eight fastener families.

A comprehensive scope of fastening supply — detailed family by family in the pages that follow.



— Supply range ACROSS EVERY FAMILY

Metric M3 – M120	Inch 1/4 in – 5 in	Bolt lengths to 1200 mm	Threaded bar to 6000 mm
Class 4.6 · 8.8 · 10.9 · 12.9	B7 · B7M · B8 · B8M · L7	2H · 2HM · Gr.8 · 8M	UNC · UNF · Metric coarse & fine

— Finishes TO ORDER

Black / plain	Hot-dip galvanized	Electro-galvanized	Zinc-nickel	PTFE / Xylan	Phosphate
Passivated stainless					

Inside the range

The eight families above cover the daily needs of plants, contractors and maintenance teams — held in stock or bought to order against your purchase specification.

Beyond the range

Anchors, refractory fixings, inserts and CNC components are supplied against customer drawings and project specifications. Send the drawing with the enquiry.



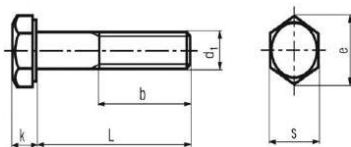
03 — BOLTS 01

Hex bolts & T-bolts.

Photographs and dimensional drawings for the two head forms most often specified on structural and equipment bolting.

Hex bolt

ISO 4014 / 4017 · DIN 931 / 933



STANDARD

ISO 4014 / 4017, DIN 931 / 933, ANSI & ASME B18.2.1

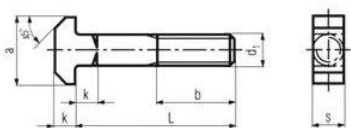
RANGE

M3–M120 · 1/4–5 in · length to 1200 mm

Six-sided head threaded fasteners, available fully threaded or partially threaded.

T-bolt

DIN 186



All measurements in millimeters (mm)

DIN 186

STANDARD

DIN 186 and to customer specification

RANGE

M3–M120 · 1/4–5 in

T-head bolts for channels, slots and engineered fastening arrangements.



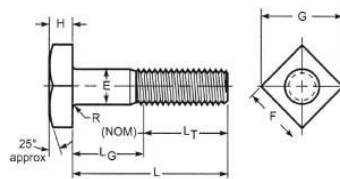
03 — BOLTS 02

Square & carriage bolts.

Special head profiles used where anti-rotation, strong wrench grip or secure seating is required.

Square head bolt

DIN 480



STANDARD

DIN 480 and to customer specification

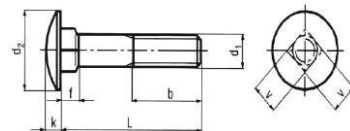
RANGE

M3–M120 · length to 1200 mm

A four-sided square head gives a strong wrenching surface and positive grip.

Carriage bolt

DIN 603 · ISO 8677



STANDARD

DIN 603, ISO 8677, UNI 5731 and to customer specification

RANGE

M3–M120 · 1/4–5 in

Round head with a square neck, designed to resist turning while the nut is tightened.



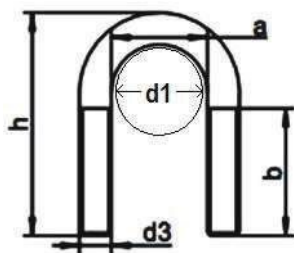
03 — BOLTS 03

U-bolts & eye bolts.

Pipe support and lifting-eye fasteners, supplied to standard dimensions or to your drawing.



U-BOLT



U-BOLT DRAWING



EYE BOLT

— Typical supply range U-BOLTS & EYE BOLTS

SIZE	Metric M3–M120 / Inch 1/4 in – 5 in
LENGTH	Metric up to 1200 mm / Inch up to 50 in
MATERIALS	Stainless steel, tensile and high tensile, duplex and super duplex steel, high nickel alloys, copper alloys, alloy steel, and other ferrous and non-ferrous metals.
STANDARDS	U-bolt: DIN 3570 · Eye bolt: DIN 444. Custom specifications available.

Ordering note

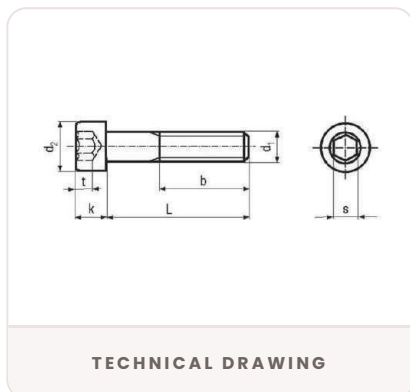
U-bolts for pipe support are selected against the actual outside diameter of the pipe including insulation and any wear pad. Confirm the OD, not the nominal bore, when ordering.



03 — BOLTS 04

Socket head screws & stud bolts.

Compact high-strength assemblies and the stud bolting used across flanged pressure joints.



— Typical supply range SOCKET HEAD & STUDS

SIZE	Metric M3–M120 / Inch 1/4 in – 5 in
LENGTH	Metric up to 1200 mm / Inch up to 50 in
MATERIALS	Stainless steel, tensile and high tensile, duplex and super duplex steel, high nickel alloys, copper alloys, alloy steel, and other ferrous and non-ferrous metals.
STANDARDS	DIN 912, ISO 4762, ASME B18.2.3.1M and customer specification.

Selection note

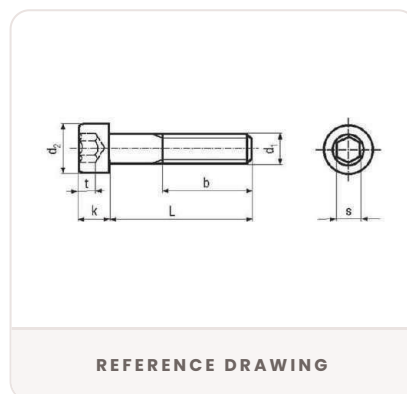
Socket-head fasteners combine a cylindrical head with an internal hexagonal recess. Check counterbore depth and key access on the mating component before specifying.



03 — BOLTS 05

Studs, threaded bars & tie rods.

Threaded elements for structural, piping, equipment and engineered assembly applications.



— Typical supply range THREADED ELEMENTS

SIZE	Metric M3–M120 / Inch 1/4 in – 5 in
LENGTH	Metric up to 6000 mm / Inch up to 236 in
MATERIALS	Stainless steel, tensile and high tensile, duplex and super duplex steel, high nickel alloys, copper alloys, alloy steel, and other ferrous and non-ferrous metals.
STANDARDS	DIN 835, DIN 939, DIN 975, DIN 976, IS 1862 and customer specification.

Supply note

Threaded bar is supplied in stock lengths and cut to requirement. State whether cut ends must be chamfered and de-burred for nut entry.



04 — NUTS

Hex, square, heavy hex & coupling.

Nuts to suit standard and engineered bolt and stud assemblies across industrial applications.



NUT TYPE	STANDARD	RANGE	APPLICATION
Hex nuts	DIN 934 · ISO 4032	M3–M120	General industrial bolting assemblies
Square nuts	DIN 557	M3–M120	Commonly paired with square-head bolts
Heavy hex nuts	ASTM A194 · A563 · ASME B18.2.2	To bolt grade	Larger bearing and wrenching area for demanding joints
Coupling nuts	To type	M3–M120	Joining threaded bars, rods or studs end to end

Grade matching

Nut grade must be matched to the bolt or stud grade and to the service temperature. A nut of the wrong grade is the most common cause of a joint failing at less than its design load.



05 — WASHERS & FINISHES

Washers & coated fasteners.

Washers give a smooth bearing surface, supplied in standard, hardened, square and spring configurations. Coating is specified alongside the fastener, not after it.



— Typical supply range WASHERS

SIZE	M3–M120 and project-specific requirements
WASHER TYPES	Standard flat, hardened, square and spring washers
MATERIALS	Stainless steel, tensile and high tensile, duplex and super duplex steel, high nickel alloys, copper alloys, alloy steel, and other ferrous and non-ferrous metals.
STANDARDS	DIN 125 / 126 / 127, ISO 7089 / 7090 / 7091, ASTM F436.
FINISHES	PTFE / Xylan, hot-dip galvanizing and zinc / zinc-nickel finishes subject to enquiry.



06 — SPECIAL PRODUCTS

Anchors & fabricated profiles.

Special products supplied against customer drawings and project requirements.



U-ANCHOR



V-ANCHOR



Y-ANCHOR



REFRACTORY ANCHOR



RESIN ANCHOR BOLT



U-HOOKS

SIZE	As per customer specification
PRODUCT TYPES	U, V and Y anchors, refractory anchors, resin anchor bolts, U-hooks and other fabricated profiles
MATERIALS	Stainless steel, tensile and high tensile, duplex and super duplex steel, high nickel alloys, copper alloys, alloy steel, and other ferrous and non-ferrous metals.
SUPPLY BASIS	As per drawing, material specification and project requirements.



06 — SPECIAL PRODUCTS

Inserts & CNC components.

Machined parts and inserts sourced or manufactured to suit project drawings and dimensional requirements.



INSERTS



CNC COMPONENTS

SIZE	As per customer specification
PROCESS	Machined and CNC components to drawing and dimensional requirement
MATERIALS	Stainless steel, tensile and high tensile, duplex and super duplex steel, high nickel alloys, copper alloys, alloy steel, and other ferrous and non-ferrous metals.
DOCUMENTATION	Material and inspection documentation subject to project and purchase-order requirements.

Enquiry note

Send the drawing with the enquiry. Tolerance, surface finish and inspection requirements change the route and the price more than the material does.



07 — TECHNICAL

Material grades & threads.

The grades we buy against, and the thread systems we supply in.

Stainless steel

ASTM A193 / A194; B8 (304); B8C (SS347); B8M (SS316); B8T (SS321); 304 / 304L / 304H; 310 / 310S; 316 / 316L / 316H / 316Ti; 317 / 317L; 321 / 321H; 347 / 347H; 410; 416; 430.

Duplex & super duplex

UNS S31803, S32205, S31254, S31550, S32750 and S32760.

High tensile / alloy steel

10.9, 12.9, 14.9, B7, B7M, B16, 2H, 2HM and related project grades.

Nickel alloys

Inconel 600 / 601 / 625 / 718; Incoloy 800 / 800H / 800HT; Monel 400 / K500 / R-405; Hastelloy B2 / B3 / C22 / C276.

Aluminium & titanium

Aluminium 6061, 6082, 5083, 5086, 5052, 6063, 7075, 1100. Titanium Gr.2, Gr.5 and Gr.7.

Threads

Metric, BSW, BSF, UNC, UNF and as per customer specification.

— Sour service NACE MR0175 / ISO 15156

Hardness and material restrictions apply to bolting exposed to H₂S service. State the requirement on the enquiry – it constrains grade, heat treatment and hardness, not just material.

Important

Final material grade, coating, dimensions, testing and applicable standard should be confirmed against the customer purchase specification, drawing and project requirements.



08 — ENGINEERING

Why high-tensile fasteners.

High-tensile fasteners reach their performance through controlled dimensions, rolled threads, heat treatment, forged heads and careful under-head geometry.

Rolled threads

Uniform thread form, close tolerances and favourable grain flow compared with cut threads.

Dimensional control

Precision dimensions support consistent assembly, bearing and joint fit.

Heat treatment

Controlled heat treatment develops the required strength and toughness.

Forged heads

Forging promotes continuous grain flow and improves strength at the head-to-shank transition.

Under-head fillet

A smooth transition at the head and shank interface reduces local stress concentration.

Fewer, smaller fasteners

Higher strength may allow a lower fastener count or a reduced size when the joint is engineered accordingly.

Indicative strength-class comparison PROPERTY CLASSES

PROPERTY CLASS	TENSILE STRENGTH	YIELD / PROOF LEVEL	RELATIVE STRENGTH INDEX
4.6	400 MPa	240 MPa	100
5.8	500 MPa	400 MPa	166
6.8	600 MPa	480 MPa	200
8.8	800 MPa	640 MPa	266
10.9	1000 MPa	900 MPa	375
12.9	1200 MPa	1080 MPa	450

Engineering note

Strength class alone does not determine joint suitability. Final bolt diameter, quantity, preload, tightening method and material compatibility must be checked against the applicable design code and project specification.



09 — QUALITY

Traceability & inspection.

Every supply is traceable from the mill certificate through to delivery. These are the control points we work to on project orders.

01 Raw material

Mill certificate and heat number

02 Incoming inspection

Grade, dimensions, condition

03 Lot identification

Heat and batch traceability

04 Manufacturing

Forming, machining, threading

05 Heat / surface process

As required by specification

06 Final inspection

Dimensional and mechanical checks

07 Document package

MTC, COC and test reports

08 Dispatch

Traceable packing and delivery

— Typical inspection & test capability WHAT WE CAN EVIDENCE

CATEGORY	TYPICAL CHECKS AND RECORDS
Material verification	Mill certificate review, alloy and grade verification, heat-number traceability
Dimensional inspection	Thread gauges, micrometers, verniers, dimensional report
Mechanical testing	Tensile, yield / proof load, hardness and impact testing where specified
NDT	MPI, DPI or other NDT when required by project specification
Coating inspection	Coating type, visual condition, thickness, process certification as applicable

Engineering note

Availability of specific tests, third-party inspection and certification should be confirmed at quotation stage and written into the purchase order and inspection and test plan.



10 — FINISHES

Corrosion protection options.

Coating belongs in the fastener specification, not after it — it changes thread fit, tightening behaviour and service life.

COATING / FINISH	TYPICAL PURPOSE	KEY SPECIFICATION CONSIDERATIONS
Zinc electroplating	General corrosion protection with a controlled decorative or functional finish.	Coating thickness, chromate / passivation system, hydrogen-embrittlement controls for high-strength fasteners.
Hot-dip galvanizing	Robust zinc protection for outdoor and industrial environments.	Allowance for coating thickness on threads; compatible nut oversize tapping and fit; coating standard and inspection.
PTFE / fluoropolymer	Low friction plus corrosion resistance; often selected for bolting exposed to aggressive service.	Coating system, cure process, coefficient of friction, temperature capability and torque-to-preload relationship.
Zinc-nickel plating	Enhanced corrosion protection where a plated finish is required.	Plating thickness, passivation, hydrogen-embrittlement relief and customer specification.
Black / plain / phosphate	Functional finish where corrosion performance is secondary or controlled by service conditions.	Storage protection, lubrication and the final service environment.

Thread-fit consideration

Coating adds thickness to the thread flanks. On galvanized or coated assemblies, bolt and nut thread allowances must be selected so the finished pair assembles correctly without stripping or damaging the coating.

Torque & lubrication

For critical bolted joints, tightening torque must be established for the actual coating and lubrication condition. Published generic torque values should not be used without engineering confirmation.



11 — STANDARDS

Fastener standards index.

The families below cover the standards most often written into project specifications in the region.

PRODUCT FAMILY	STANDARDS AND GRADES
Stud bolts	ASTM A193 Gr. B7 / B16; ASTM A193 Gr. B7M; ASTM A320 Gr. L7
General hex bolts / screws	ASTM A307 Gr. A / B; SAE J429; ISO 4014 / 4016 / 4017; DIN 931 / 933; BS 3692; BS 4190; JIS B1180
Structural / high-strength bolts	ASTM A325 / A325M; ASTM A490 / A490M; DIN 6914; DIN 7990; BS 4395 Part 1 & 2
Utility / special hex bolts	ASTM A394
Heavy hex nuts	ASTM A194 Gr. 2H / 4 / 7 / 2HM; ASTM A563 / A563M
Metric hex nuts	ISO 4032 / 4034; DIN 934 / DIN 555; DIN 6915; BS 4190; BS 3692; BS 4395; JIS B1181
Inch-series hex nuts	SAE J995; ASTM A563

ASTM / ASME

Oil and gas, pressure equipment, structural and general industrial specifications.

ISO / DIN

Metric product dimensions, property classes and general industrial bolting.

BS / JIS

British and Japanese dimensional and mechanical fastener standards.

SAE

Inch-series mechanical fastener grades widely used in equipment and automotive applications.

- A standard designation does not by itself define every requirement. Grade or type, diameter, thread series, coating, test requirements and the edition or revision should be confirmed in the customer specification.



12 — STUD BOLTS

ASTM A193 / A320 guide.

The purchasing information that matters most for A193 and A320 stud bolting, on one page.

GRADE	APPLICATION	THREAD & SIZE	KEY PROJECT NOTE
ASTM A193 B7 / B16	High-temperature and pressure bolting	UNC / UN inch series; 1/2 in to 4 in nominal; lengths to 6 m	Heat treatment and mechanical properties to the applicable A193 grade.
ASTM A193 B7M	Controlled-hardness bolting	UNC / UN inch series; 1/2 in to 4 in nominal; lengths to 6 m	B7M carries grade-specific heat treatment and hardness requirements.
ASTM A320 L7	Low-temperature bolting	UNC / UN inch series; 1/2 in to 4 in nominal; lengths to 6 m	Impact-energy requirements apply at -101 °C.

Common stud-bolt ordering fields WHAT TO STATE ON THE PO

- Specification and grade

- Nominal thread size

- Thread series (UNC / UN)

- Overall length

- Nut specification and grade

- Coating / finish

- Heat and lot traceability

- MTC, testing and TPI requirement

Engineering note

Torque and induced-load values depend on grade, diameter, lubrication or coating and joint design. We provide calculated tightening data only when the governing standard, finish and engineering basis are confirmed.



13 — SELECTION

Bolt & nut compatibility.

A procurement matrix is more useful than a dense standards chart. Match the bolt family to its nut family, then confirm both against the governing specification.

BOLT / STUD FAMILY	COMMON MATCHING NUT FAMILY	TYPICAL FORM
ASTM A193 stud bolts	ASTM A194 nuts selected by grade and service	Heavy hex
ASTM A320 stud bolts	Compatible ASTM A194 low-temperature nut grade per project specification	Heavy hex
ASTM A325 / A325M	ASTM A563 / A563M structural nut family as specified	Heavy hex
ASTM A490 / A490M	High-strength ASTM A563 / A563M nut family as specified	Heavy hex
ISO 4014 / 4017	ISO 4032 / 4034 nuts with a compatible property class	Hex
DIN 931 / 933	DIN 934 / 555 nuts with a compatible property class	Hex
BS / JIS families	Corresponding BS or JIS nut standard and compatible property class	Hex / heavy hex

Information to include on an RFQ EIGHT FIELDS

• Standard + grade / property class

• Diameter + thread pitch or TPI

• Length + thread length / full thread

• Nut and washer standard / grade

• Material / heat number requirements

• Coating / finish + lubrication

• Mechanical, impact or hardness testing

• MTC, COC, TPI and traceability

• Compatibility tables are a selection aid, not a substitute for the governing project specification. Confirm bolt, nut and washer combinations against the applicable standard before supply.



GET IN TOUCH

Send us the specification.

The drawing, the bill of quantities or the line on the purchase order — we quote against it, and deliver the material with the paperwork that proves it conforms.

COMPANY	KAFI GROUP for Trading & Industrial Supplies
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Request a quotation

State the standard and grade, the size and length, the finish, and the certification you need. We reply with availability, price and lead time.

Approved vendor

Registered with Saudi Aramco, SABIC, MARAFIQ, MA'ADEN, TASNEE, SINOPEC and other major operators — the purchase order can be raised without a fresh qualification cycle.



FASTENERS — SUPPLIED TO SPECIFICATION

AL JUBAIL, SAUDI ARABIA