



• • • •

ANCHOR TR L.L.C

PRODUCT CATALOG

Keep In Touch With Us

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Anchor TR LLC –

Complete Range of Fasteners, Trusted in the U.A.E.

Established as one of the largest stocking and wholesale distributors of fasteners in the U.A.E., **Anchor TR LLC** is built on a simple philosophy: to deliver the highest quality parts and service possible. With extensive capabilities and a proven track record, Anchor has become a trusted leader in the fasteners business.

Today, we maintain an in-house stock of over 20,000 different fasteners, covering a wide range of sizes, materials, and specifications. Beyond stock items, we also have the expertise to supply complex fasteners and custom-made parts tailored to customer requirements. From blanket orders with scheduled releases to multi-location bin stocking services, we offer inventory management programs designed to reduce costs, guarantee availability, and streamline the purchasing process.

At Anchor, we believe in building long-term relationships by adapting our services to the changing needs of our customers. We continuously evaluate and test new product lines, ensuring that with the strong capabilities of our manufacturing partners, we provide a true “One Stop” solution for all fastening requirements.

With no minimum order quantity, competitive pricing, and an uncompromising focus on quality, **Anchor TR LLC** is your most economical and reliable source for a complete range of fasteners.



Our Vision

To become the market leader and the most trusted provider of comprehensive fastening solutions, setting the standard for quality, reliability, and customer success in the industry.



Our Mission

To strengthen our market leadership in the fasteners industry through excellence and innovation.

To consistently meet and exceed our customers' needs and expectations with high-quality products and exceptional service.

To build long-term, mutually profitable partnerships with our committed manufacturers and suppliers.



Screws



Hex head Self Taping Screws



Self Taping Screws



Brass Machine Screws



Brass / Wood Screws



Coach Screws



S.S Bi-Metal SDS



Dowel Screws



Mushroom Head ST Screws



St. St. Machine Screws



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Allen (Socket)



Low Head



Allen Bolt



Fine Allen Bolt



CSK Allen Bolt



Button Head Allen Bolt



SS Allen Bolt



SS CSK Allen Bolt



SS Button Head
Allen Bolt



SS Allen Grub Screws



Bolts



Heavy Hex Bolt A325M ,
A490M



Brass Eye Bolt & Wing Nut



10.9 Fine Bolt



Elevator Bolt



St. St. Carriage Bolt



UNF G5 , G8 Bolt



Brass Bolts



UNC G8 Bolt



UNC G5 Bolt



Bolts



Spline Bolts



Tension Control Bolt



SS Bolts



HDG 8.8 Bolt



Carriage Bolt



Wing Bolt



Highway Barrier Bolt



HDG 10.9 Bolt



U Bolt





Nuts



Spring Nuts



Cage & Speed Nut



Flange Nuts



SS Dome Nuts



SS Wing Nut



Brass Wing Nut



Pal Nut



Long Nut



ZP Brass Dome Nuts



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Nuts



2H Nuts



Rivet Nut



Castle Nuts



Steel Full Lock Nut



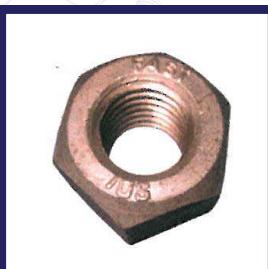
Nylock Nut



Check Nut



Galvanized Iron Nut



HDG A563M Nut



Square Nuts



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Anchor Studs & Liftings



L & Twisted Foundation Bolts



Lifting Eye Bolt / Nut



Shear Studs



Beam Clamps



Anchors & Shields





Pin Keys & Rivets



Taper Pin



Double Spring Lock Clip



Dowel & Split (Cotter) Pin



Hair Pin



Aluminium Blind Rivet



Aluminium Round Head Rivet





Threaded Bars



Zinc & Black Threaded Bars



SS Threaded Bars



Brass Threaded Bars





Washers



Taper Washer



Conical Spring Washer



Hill side Washer



Nylon Washer



Internal Star Washer



Star Lock Washer



Copper Washer



Single Tab Washer



Twin Tab Washer



Washers



Contact Washer



SS Internal Star Washer



Schnorr Washer



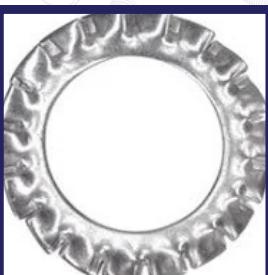
SS Flat Washer Din 125



ZP Flat Washer Din 125



External Star Washer



SS External Star Washer



Internal Tooth Washer



External Tooth Washer



Technical

| ub-clause number | Mechanical and physical property | Property class | | | | | | | | | | | |
|------------------|---|--|---|------|-------------------|------|-------------------------------------|-------------------------|-------------------------|------|------|------|------|
| | | 3.6 | 4.6 | 4.8 | 5.6 | 5.8 | 6.8 | 8.8 ^a | 9.8 ^b | 10.9 | 12.9 | | |
| | | | | | | | d ≤ 16 ^c | d > 16 ^c | | | | mm | |
| 5.1 | Nominal tensile strength, $R_{\text{m}, \text{nom}}$ N/mm ² | 300 | 400 | | 500 | 600 | 800 | 800 | 900 | 1000 | 1200 | | |
| 5.2 | Minimum tensile strength, $R_{\text{m}, \text{min}}^{d*}$ N/mm ² | 330 | 400 | 420 | 500 | 520 | 600 | 800 | 830 | 900 | 1040 | 1220 | |
| 5.3 | Vickers hardness, HV $F ≥ 98N$ | min. | 95 | 120 | 130 | 155 | 160 | 190 | 250 | 255 | 290 | 320 | 385 |
| | | max. | | | 220 ^f | | 250 | 320 | 335 | 360 | 380 | 435 | |
| 5.4 | Briñel hardness, HB $F = 30 D^2$ | min. | 90 | 114 | 124 | 147 | 152 | 181 | 238 | 242 | 276 | 304 | 366 |
| | | max. | | | 209 ^f | | 238 | 304 | 318 | 342 | 361 | 414 | |
| 5.5 | Rockwell hardness, HR | min. | HRB | 52 | 67 | 71 | 79 | 82 | 89 | - | - | - | - |
| | | | HRC | - | - | - | - | - | 22 | 23 | 28 | 32 | 39 |
| | | max. | HRB | | 95.0 ^f | | 99.5 | - | - | - | - | - | |
| | | | HRC | - | | - | 32 | 34 | 37 | 39 | 44 | | |
| 5.6 | Surface hardness, HV 0.3 | max. | | | | | | | | 8 | | | |
| 5.7 | Lower yield stress, $R_{\text{eL}}, \text{N/mm}^2$ | nom. | 180 | 240 | 320 | 300 | 400 | 480 | - | - | - | - | - |
| | | min. | 190 | 240 | 340 | 300 | 420 | 480 | - | - | - | - | - |
| 5.8 | Stress at 0.2% non-proportional elongation $R_{\text{e2}}, \text{N/mm}^2$ | nom. | - | | - | - | 640 | 640 | 720 | 900 | 1080 | | |
| | | min. | - | | - | - | 640 | 680 | 720 | 940 | 1100 | | |
| 5.9 | Stress under proof load, S_p N/mm^2 | $S_p R_{\text{eL}}$ or $S_p R_{\text{e2}}$ | 0.94 | 0.94 | 0.91 | 0.93 | 0.90 | 0.92 | 0.91 | 0.91 | 0.90 | 0.88 | 0.88 |
| 5.10 | Breaking torque, M_b Nm min. | - | | | | | | | | | | | |
| 5.11 | Percent elongation after fracture, A | min. | 25 | 22 | - | 20 | - | - | 12 | 12 | 10 | 9 | 8 |
| 5.12 | Reduction area after fracture, Z | % min. | - | | | | | | 52 | 48 | 48 | 44 | |
| 5.13 | Strength under wedge loading ^a | | The values for full size bolts and screws (no studs) shall not be smaller than the minimum values for tensile strength shown in 5.2 | | | | | | | | | | |
| 5.14 | Impact strength, KU | J/min. | - | 25 | - | 30 | 30 | 25 | 20 | 15 | | | |
| 5.15 | Head soundness | | No fracture | | | | | | | | | | |
| 5.16 | Minimum height of non-decarburized thread zone, E | mm | - | - | - | | $\frac{1}{2}\text{H}_1$ | $\frac{1}{2}\text{H}_1$ | $\frac{1}{2}\text{H}_1$ | | | | |
| | Maximum depth of complete decarburization, G | | - | - | - | | 0.015 | | | | | | |
| 5.17 | Hardness after retempering | | - | - | | | Reduction of hardness 20 HV maximum | | | | | | |
| 5.18 | Surface integrity | | In accordance with ISO 6157-1 or ISO 6157-3 as appropriate | | | | | | | | | | |

| Property Class | Material and treatment | Chemical composition limits (check analysis) % (m/m) | | | | Tempering temperature °C |
|--|--|--|------|-------|----------------|--------------------------|
| | | C | P | S | B ^b | |
| | | min. | max. | min. | max. | |
| Carbon Steel | 3.6 ^c | - | 0.20 | 0.05 | 0.06 | 0.003 |
| | 4.6 ^c | - | 0.55 | 0.05 | 0.06 | 0.003 |
| | 4.8 ^c | - | | | | |
| | 5.6 | 0.13 | 0.55 | 0.05 | 0.06 | 0.003 |
| | 5.8 ^c | - | 0.55 | 0.05 | 0.06 | |
| | 6.8 ^c | - | | | | |
| Carbon steel with additives (e.g. B, Mn or Cr) quenched and tempered | 8.8 ^c | 0.15 ^d | 0.40 | 0.035 | 0.035 | 0.003 |
| | Carbon steel quenched and tempered | 0.25 | 0.55 | 0.035 | 0.035 | |
| | 9.8 | 0.15 ^d | 0.35 | 0.035 | 0.035 | 0.003 |
| Carbon steel with additives (e.g. B, Mn or Cr) quenched and tempered | Carbon steel quenched and tempered | 0.25 | 0.55 | 0.035 | 0.035 | |
| | 10.9 ^f | 0.15 ^d | 0.35 | 0.035 | 0.035 | 0.003 |
| | Carbon steel quenched and tempered | 0.25 | 0.55 | 0.035 | 0.035 | |
| Carbon steel with additives (e.g. B, Mn or Cr) quenched and tempered | 10.9 ^f | 0.15 ^d | 0.35 | 0.035 | 0.035 | 0.003 |
| | Carbon steel quenched and tempered | 0.25 | 0.55 | 0.035 | 0.035 | |
| | Alloy steel quenched and tempered ^g | 0.20 | 0.55 | 0.035 | 0.035 | |
| Alloy steel quenched and tempered ^g | 12.9 ^{hi} | 0.28 | 0.50 | 0.035 | 0.035 | 0.003 |
| | Alloy steel quenched and tempered ^g | 0.28 | 0.50 | 0.035 | 0.035 | 380 |





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