



اندريا لصناعة البراغي ذ.م.م  
**Andrea Bolts Industries L.L.C**



**STUD BOLTS**



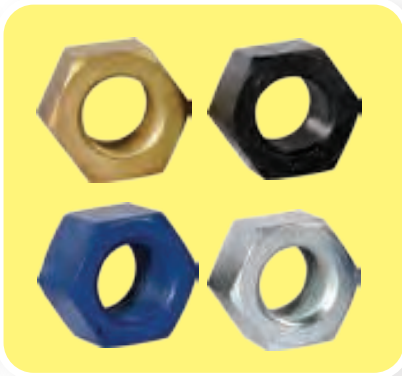
**THREADED RODS**



**ANCHOR BOLTS**



**HEX BOLTS**



**HEX NUTS**



**WASHERS**

# STUD BOLTS

Full Threaded Studs and Engineering Studs.

## Standards:

ASTM/ASME/BS/DIN/BS EN ISO /JIS

## Material

Mild Steel, Carbon Steel , Alloy Steel & Stainless Steel.

## Size Range

M6 to M100 in metric series

¼" to 4" in imperial.

## Threads

UNC, 8UN, UNF, Metric Coarse and Metric Fine.

## Typical Grades & Standards

ASTM A193 Grade B7, B7M ,B8, B8M & B16

ASTM A320 Grade L7 & L7M

Any other specific grade can be manufactured upon request with short lead times.

## Ordering Information

- 1 Dimensions - Dia and Length.
- 2 Standard and Grade
- 3 Finish (Black, GI, Yellow, HDG, Cadmium, Nickel, PTFE etc )
- 4 Nut and washer quantity



# THREADED RODS

Full Threaded Bars

## Standards:

ASTM/ASME/BS/DIN/BS EN ISO /JIS

## Material

Mild Steel, Carbon Steel , Alloy Steel & Stainless Steel.

## Size Range

M6 to M100 in metric series

¼" to 4" in imperial.

## Threads

UNC, 8UN, UNF, Metric Coarse and Metric Fine.

## Typical Grades & Standards

ASTM A193 Grade B7, B7M ,B8, B8M & B16

ASTM A320 Grade L7 & L7M

Stainless Steel 304, 304L, 316, 316L, A2-70/80, A4-70/80

BS 3692 / BS 4190 grade 4.6, 4.8, 5.6, 5.8, 8.8

Any other specific grade can be manufactured upon request with short lead times.

## Ordering Information

- 1 Dimensions - Dia and Length.
- 2 Standard and Grade
- 3 Finish (Black, GI, Yellow, HDG, Cadmium, Nickel, PTFE etc )



# ANCHOR BOLTS

Anchor bolts, Foundation bolts, Holding Down Bolts, U Bolts, Sag Rods & Tie Rods can be manufactured as per customer's drawing and as per grade required.

## Standards

ASTM/ASME/BS/DIN/BS EN ISO /JIS

## Material

Mild Steel, Carbon Steel, Alloy Steel & Stainless Steel.

## Size Range

M6 to M100 in metric series  
¼" to 4" in imperial.

## Threads

UNC, 8UN, UNF, Metric Coarse and Metric Fine.

## Typical Grades & Standards

BS 3692 / BS 4190 grade 4.6, 4.8, 5.6, 5.8, 8.8, 10.9 and 12.9

ASTM A307, A325, A193, B7 & B16, ASTM A320 L7

Stainless Steel 304, 304L, 316, 316L, A2-70/80, A4-70/80, ASTM A193 Grade B8 & B8M

ASTM A675 Grade 90, ASTM A572 Grade 50 and ASTM F1554 grade 36, 55 and 105

Any other specific grade can be manufactured upon request with short lead times.

## Ordering Information

1. Dimensions.
2. Standard and Grade.
3. Finish (Black, GI, Yellow, HDG, Cadmium, Nickel, PTFE etc.)
4. Nut and washer quantity
5. Plate and sleeve dimensions (if required).



# HEX BOLTS

Hex Head and Heavy Hex Head in Full and Partial Threading.

## Standards

ASTM/ASME/BS/DIN/BS EN ISO /JIS

## Material

Mild Steel, Carbon Steel, Alloy Steel & Stainless Steel.

## Size Range

M6 to M64 in metric series

¼" to 2½" in imperial.

Bigger sizes can be manufactured as per order.

## Threads

UNC, 8UN, UNF, Metric Coarse and Metric Fine.

## Typical Grades & Standards

BS3692 / BS4190 grade 4.6, 4.8, 5.6, 5.8, 8.8, 10.9 and 12.9

ASTM A307 Grade A and B

ASTM A325

ASTM A193 Grade B7, B7M, B8, B8M & B16

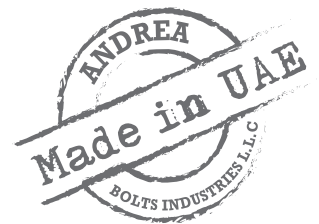
ASTM A320 Grade L7 & L7M

Stainless Steel 304, 304L, 316, 316L, A2-70/80, A4-70/80

Any other specific grade can be manufactured upon request with short lead times.

## Ordering Information

- 1 Dimensions – Size Dia and Length.
- 2 Standard and Grade
- 3 Finish (Black, GI, Yellow, HDG, Cadmium, Nickel, PTFE etc )
- 4 Nut and washer quantity



# NUTS

Standard Hex Nut, Heavy Hex Nut, Hex Coupling Nut, Nylon Lock Nut, Spring Nut, Dome Nut and Wing Nut.

## Standards

ASTM/ASME/BS/DIN/BS EN ISO /JIS

## Material

Mild Steel, Carbon Steel, Alloy Steel & Stainless Steel.

## Size Range

M6 to M64 in metric series

¼" to 2-½" in imperial.

Bigger sizes can be manufactured as per order.

## Threads

UNC, 8UN, UNF, Metric Coarse and Metric Fine.

## Typical Grades & Standards

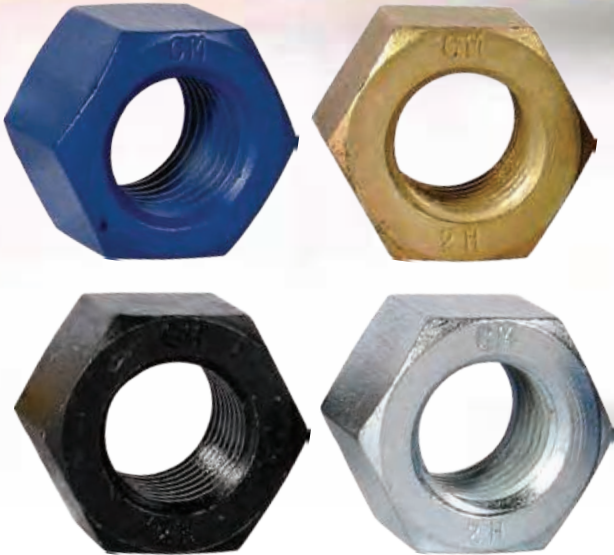
DIN 934 Class 4, 8, 10, 12, A270, A280, A470 and A480

ASTM A194/A194M Grades 2H, 2HM, 4L, 7L and 7LM

ASTM A563/563M Grades 8, 10S, A, B, C, D, DH, DH3

## Ordering Information

- 1 Dimensions - Size.
- 2 Standard and Grade
- 3 Finish (Black, GI, Yellow, HDG, Cadmium, Nickel, PTFE etc)



# WASHERS

Plain Washers, Spring Lock Washers and Hardened Steel Washers.

## Standards

ASTM/ASME/BS/DIN/BS EN ISO /JIS

## Material

Mild Steel, Carbon Steel, Alloy Steel & Stainless Steel.

## Size Range

M6 to M64 in metric series

¼" to 2-½" in imperial.

Bigger sizes can be manufactured as per order.

## Typical Grades & Standards

DIN 125/A

DIN 127/B

DIN 9021

ASTM F436 and F436M

Any other specific grade can be manufactured upon request with short lead times.

## Ordering information

- 1 Dimensions – Size.
- 2 Standard and Grade
- 3 Finish (Black, GI, Yellow, HDG, Cadmium, Nickel, PTFE etc.)

