



TUBES & PIPES



INDUSTRIES



About us

We are an ISO 9001 certified Company based in Ras AL Kahima, U.A.E. With backing of over two decades of experience in design, manufacture, supply & installation of fencing security systems - capitalizing on this experience, expertise and vast pool of skilled manpower, GK Industries has recently established a modern plant for the manufacture of Steel & Stainless Steel Tubes & Pipes into their manufacturing range to cater to market requirements.

Manufacturing Facility & Quality

The plant is fully integrated and is designed to produce high Quality tubes and pipes conforming to major international norms. The plant includes complete in-house Slitting Line, Tube mill with HF Induction Welder, Internal weld bead removal, straightening line, facilities for End Facing, Threading & Socketing.

Facilities for finishing include full fledged Hot Dip Galvanizing, Painting Facility & Powder Coating Plant.

Testing facilities include Incoming Raw Material Testing, In Line Eddy current testing, Hydro testing and full fledged lab for testing of mechanical properties and coating.

Commitment & conformance to stringent quality, systems and procedures ensures consistent & quality compliant products reach our valued clients. It is no surprise therefore that this facility is ISO 9001 -2008 certified.



Tube Mill

The plant is designed to take care of custom requirements with respect to varying thicknesses & pipe lengths of upto 7.2m.

In addition to the modern HF welder, our tube mill has in line eddy current testing & hydro testing machines, auto segregation of non-conforming products.

Weld bead is controlled during production. In addition, the internal bead can be removed for sizes 2" onwards to customer requirements.

Product Range

ERW Pipes & Tubes:

- 1/2" to 4" NB – from 2 to 6mm Thickness with facility of Plain Ends / End Facing / Threaded, Screwed & Socketed ends.
- MS ERW Tubes in rectangular & Square sections
- Finishes available include Mill finish / Painted / Powder Coated / Varnish / Galvanised.

Stainless Steel Tubes:

- Circular Section: 16mm to 76mm Outside Diameter
- Square sections : 15x15mm to 60x60mm
- 1.0mm to 3mm thickness

Standards

Our ERW products conform to major international standards such as BS, EN, ASTM.

Steel tubes & pipes generally conform to BS1387, EN 39, EN 10025, ASTM A 53, ASTM 500 and customer specific requirements.

Stainless Steel Tubes are generally conform to ASTM 554

ASTM A-53 GRADE A (BLACK AND GALVANISED STEEL PIPES)

| NOMINAL BORE | | OUTSIDE DIAMETER | | SCHEDULE | WALL THICKNESS | | WEIGHT OF BLACK PIPES PLAIN END | | | PIECES PER BUNDLE |
|--------------|-------|------------------|-------|----------|----------------|-------|---------------------------------|---------|---------|-------------------|
| mm | inch | mm | inch | | mm | inch | Kg/mtr | lbs/ft. | ft./ton | |
| 15 | 1/2 | 21.3 | 0.840 | 40 | 2.77 | 0.109 | 1.27 | 0.85 | 2592 | 120 |
| 20 | 3/4 | 26.7 | 1.050 | 40 | 2.87 | 0.113 | 1.69 | 1.13 | 1945 | 90 |
| 25 | 1 | 33.4 | 1.315 | 40 | 3.38 | 0.133 | 2.50 | 1.68 | 1311 | 60 |
| 32 | 1 1/4 | 42.2 | 1.660 | 40 | 3.56 | 0.140 | 3.39 | 2.27 | 967 | 42 |
| 40 | 1 1/2 | 48.3 | 1.900 | 40 | 3.68 | 0.145 | 4.05 | 2.72 | 810 | 36 |
| 50 | 2 | 60.3 | 2.375 | 40 | 3.91 | 0.154 | 5.44 | 3.66 | 603 | 26 |
| 65 | 2 1/2 | 73.0 | 2.875 | 40 | 5.16 | 0.203 | 8.63 | 5.80 | 380 | 18 |
| 80 | 3 | 88.9 | 3.500 | 40 | 5.49 | 0.216 | 11.29 | 7.58 | 291 | 14 |
| 90 | 3 1/2 | 101.6 | 4.000 | 40 | 5.74 | 0.226 | 13.57 | 9.12 | 242 | 12 |
| 100 | 4 | 114.3 | 4.500 | 40 | 6.02 | 0.237 | 16.07 | 10.80 | 204 | 10 |

BS : 1387 - 1985 (BLACK AND GALVANISED STEEL PIPES)

| CLASS | NOMINAL BORE | | OUTSIDE DIAMETER | | THICKNESS | WEIGHT OF BLACK PIPES | | | | WEIGHT OF GALVANISED PIPES (CALCULATED) | | | | PIECES PER BUNDLE |
|------------|--------------|-------|------------------|------|-----------|-----------------------|---------|--------------------|---------|---|---------|--------------------|---------|-------------------|
| | | | MAX. | MIN. | | PLAIN ENDED | | SCREWED & SOCKETED | | PLAIN ENDED | | SCREWED & SOCKETED | | |
| | inch | mm | mm | mm | mm | kg/mtr | mtr/ton | kg/mtr | mtr/ton | kg/mtr | mtr/ton | kg/mtr | mtr/ton | |
| LIGHT (A) | 1/2 | 15 | 21.4 | 21.0 | 2.00 | 0.950 | 1056 | 0.956 | 1046 | 1.000 | 1000 | 1.007 | 993 | 160 |
| | 3/4 | 20 | 26.9 | 26.4 | 2.30 | 1.380 | 725 | 1.390 | 719 | 1.440 | 694 | 1.460 | 685 | 110 |
| | 1 | 25 | 33.8 | 33.2 | 2.60 | 1.980 | 505 | 2.000 | 500 | 2.060 | 485 | 2.090 | 478 | 80 |
| | 1 1/4 | 32 | 42.5 | 41.9 | 2.60 | 2.540 | 394 | 2.570 | 389 | 2.640 | 379 | 2.680 | 373 | 61 |
| | 1 1/2 | 40 | 48.4 | 47.8 | 2.90 | 3.230 | 310 | 3.270 | 306 | 3.350 | 298 | 3.400 | 294 | 51 |
| | 2 | 50 | 60.2 | 59.6 | 2.90 | 4.080 | 245 | 4.150 | 241 | 4.220 | 237 | 4.300 | 233 | 37 |
| | 2 1/2 | 65 | 76.0 | 75.2 | 3.20 | 5.710 | 175 | 5.830 | 172 | 5.890 | 170 | 6.020 | 166 | 27 |
| | 3 | 80 | 88.7 | 87.9 | 3.20 | 6.720 | 149 | 6.890 | 145 | 6.930 | 144 | 7.100 | 141 | 24 |
| MEDIUM (B) | 1/2 | 15 | 21.7 | 21.1 | 2.60 | 1.210 | 826 | 1.220 | 820 | 1.250 | 800 | 1.260 | 794 | 130 |
| | 3/4 | 20 | 27.2 | 26.6 | 2.60 | 1.560 | 641 | 1.570 | 637 | 1.620 | 617 | 1.640 | 610 | 100 |
| | 1 | 25 | 34.2 | 33.4 | 3.20 | 2.410 | 415 | 2.430 | 412 | 2.490 | 402 | 2.510 | 398 | 65 |
| | 1 1/4 | 32 | 42.9 | 42.1 | 3.20 | 3.100 | 323 | 3.130 | 319 | 3.200 | 312 | 3.230 | 310 | 51 |
| | 1 1/2 | 40 | 48.8 | 48.0 | 3.20 | 3.570 | 280 | 3.610 | 277 | 3.680 | 272 | 3.720 | 269 | 44 |
| | 2 | 50 | 60.8 | 59.8 | 3.60 | 5.030 | 199 | 5.100 | 196 | 5.170 | 193 | 5.250 | 190 | 30 |
| | 2 1/2 | 65 | 76.6 | 75.4 | 3.60 | 6.430 | 156 | 6.550 | 153 | 6.610 | 151 | 6.730 | 149 | 24 |
| | 3 | 80 | 89.5 | 88.1 | 4.00 | 8.370 | 119 | 8.540 | 117 | 8.580 | 117 | 8.760 | 114 | 19 |
| HEAVY (C) | 1/2 | 15 | 21.7 | 21.1 | 3.20 | 1.440 | 694 | 1.450 | 690 | 1.490 | 671 | 1.500 | 667 | 110 |
| | 3/4 | 20 | 27.2 | 26.6 | 3.20 | 1.870 | 535 | 1.880 | 532 | 1.930 | 518 | 1.950 | 513 | 80 |
| | 1 | 25 | 34.2 | 33.4 | 4.00 | 2.940 | 340 | 2.960 | 338 | 3.010 | 332 | 3.040 | 329 | 55 |
| | 1 1/4 | 32 | 42.9 | 42.1 | 4.00 | 3.800 | 263 | 3.830 | 261 | 3.900 | 256 | 3.930 | 254 | 44 |
| | 1 1/2 | 40 | 48.8 | 48.0 | 4.00 | 4.380 | 228 | 4.420 | 226 | 4.490 | 223 | 4.530 | 221 | 37 |
| | 2 | 50 | 60.8 | 59.8 | 4.50 | 6.190 | 162 | 6.260 | 160 | 6.330 | 158 | 6.400 | 156 | 27 |
| | 2 1/2 | 65 | 76.6 | 75.4 | 4.50 | 7.930 | 126 | 8.050 | 124 | 8.110 | 123 | 8.230 | 121 | 20 |
| | 3 | 80 | 89.5 | 88.1 | 5.00 | 10.300 | 97 | 10.500 | 95 | 10.510 | 95 | 10.710 | 93 | 16 |
| 4 | 100 | 114.9 | 113.3 | 5.40 | 14.500 | 69 | 14.800 | 68 | 14.770 | 68 | 14.990 | 67 | 12 | |

The sizes given above are subject to tolerances mentioned in relevant standards. We can offer CHS pipes & tubes with other wall thickness / conforming to other norms.

Square And Rectangular Sections

Our tube mill also caters to requirements of square and rectangular sections of various sizes with wall thickness from 2 to 3.5mm.

Square Hollow Sections :

38x38mm, 45x45mm, 50x50mm, 60x60mm, 75x75mm, 80x80mm, 100x100mm

Rectangular Hollow Sections :

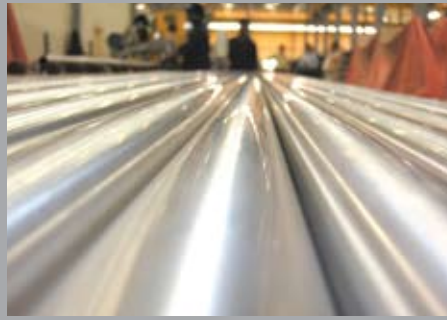
50x25mm, 60x30mm, 60x40mm, 80x40mm, 100x40mm, 100x50mm, 120x60mm



Applications for MS ERW Pipes Include:

- Scaffolding
- Posts For Fencing Signage's Etc.,
- Tube Wells
- Structural Tubes
- Frames
- Agriculture
- Mechanical & General Engineering
- Telecommunication Poles
- Handrails
- Fire Fighting
- Gas & Water Tubes
- Refrigeration & Air Conditioning Systems
& More





Stainless Steel Tubes

Stainless Steel tubes are produced at our state of the art ISO 9001-2008 certified plant. Tubes are suitable for decorative, architectural, automobile and other applications where resistance to corrosion is a must. Standard products include Austenitic Stainless Steel Grades 304,304L, 316 & 316L. Tubes conforming to other material specifications can also be provided on request.

The tubes generally conform to ASTM 554. We currently offer Round & Square sections. Rectangular sections will be added into our range shortly.



Tubes – features:

- Manufactured using prime Quality Raw Material.
- Accurately formed in purpose built forming lines.
- Manufactured with the latest TIG welding machines.
- Finishing on automatic polishing machines.

Finish

- Available in mill, Brush(#400), Polish(#600) & Mirror(#800) finish.
- Available in standard 6m lengths & cut to length.

Quality Control

Each lot manufactured has material traceability. Quality reports are provided for Chemical, Mechanical & Dimensional characteristics.

Round Tubes

| OUTSIDE DIAMETER | | WALL THICKNESS mm | | | | |
|------------------|--------|-------------------|-----|-----|-----|-----|
| mm | Inches | 1.0 | 1.2 | 1.5 | 2.0 | 3.0 |
| 16.0 | 5/8" | • | • | • | | |
| 19.0 | 3/4" | • | • | • | • | |
| 25.4 | 1" | • | • | • | • | |
| 31.8 | 1 1/4" | • | • | • | • | |
| 38.1 | 1 1/2" | • | • | • | • | |
| 50.8 | 2" | | • | • | • | |
| 63.5 | 2 1/2" | | • | • | • | • |
| 76.2 | 3" | | • | • | • | • |

Square Tubes

| DIMENSION | WALL THICKNESS mm | | | | |
|-----------|-------------------|-----|-----|-----|-----|
| mm | 1.0 | 1.2 | 1.5 | 2.0 | 3.0 |
| 15x15 | • | • | • | | |
| 20x20 | • | • | • | | |
| 25x25 | • | • | • | | |
| 30x30 | • | • | • | • | |
| 40x40 | • | • | • | • | |
| 50x50 | | • | • | • | |
| 60x60 | | • | • | • | • |



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