

RELIABLE PIPES & TUBES LTD.

4130 Pipes / Fittings / Flanges / Roundbars



4130 PIPES & FITTINGS

This low alloy steel containing nominally 0.3% carbon, 1% chromium and 0.2% molybdenum is used widely in oil patch applications. It is similar to 4140 which has a higher carbon level giving 4130 improved weldability in comparison to 4140, though this is achieved at the expense of through thickness strength. The hardenability limitations of this grade (depth to which it will harden / obtain the specified mechanical properties after heat treatment) must always be taken into account when designing and selecting equipment.

Products: Pipes, Fittings, Flanges, Forging, Roundbars

Grades: LOW ALLOY STEEL, ASTM A 519 GR. 4130 / 4140, API 5CT L80 (MECHANICAL PROPERTIES) & AS PER AISI 4130 / 4140 (CHEMICAL PROPERTIES)

Sizes: PIPES- 2" NB TO 12" NB & ANY SPECIAL ODD SIZES, THICKNESS- SCH 40 TO SCH XXS ALSO HIGH THK

Supplementary Requirement: NACE MR0175 / MR0103 ISO 3183 / NACE TM0284, YS - MIN 85,000 PSI, UTS - 1,10,000PSI WITHSTANDING 15,000 PRESSURE.

DELIVERY CONDITION: ANNEALED | NORMALIZED | STRESS RELIEVED | QUENCHED & TEMPERED

Certificate: EN 10204 3.1 & EN 10204 3.2

We specialize and have extensive stock of 4130 pipes, fittings, flanges, round bars and expertise in fast track delivery of large diameter and heavy wall fittings in wide range of materials.

Exporting to : USA | Australia | Europe | UAE | Russian Union
Africa | Saudi Arabia | Kuwait | Iraq | Yemen | Qatar
Singapore | Malaysia | Indonesia | Vietnam | Korea

Corp Off. : C-16, Anand Bhuvan, 163/165, V. P. Road, Mumbai - 400 004. Maharashtra, India.

Unit No. 1

Plot No. 1112 / 1113, Road No. 12, Shree Opera House,
Kalamboli Steel Market, Dist. Raigad, Maharashtra.

Unit No. 2

Plot No. 555, Road No. 4, KWC, Kalamboli,
Dist. Raigad, Maharashtra, Pin Code - 410 218.

Unit No. 3

Plot No. 726, Road No. 6, Opp. Disma Dharam Kata,
Kalamboli, Dist. Raigad, Maharashtra.

Unit No. 4

E-10/3, MIDC, Near Technova Company, Taloja,
Navi Mumbai - 410 208.

Mr. Rahul Mehta : +91 9833938715 | Mr. Abhilash Nair : +91 9324233293 Tel.: +91-22-43431313 / 23894513 / 14 / 15 | Fax : +91-22-23894511

www.thrukote.com | www.reliablepipes.com | sales@reliablepipes.com | export@reliablepipes.com

RELIABLE PIPES & TUBES LTD.

Fittings



7.5 K / 10 K Working Pressure AISI 4130

| Fitting | Size / W.T. |
|--------------------------|------------------------------------------------------------------------------------------------------------|
| 90° Long Sweep Elbow | Our Stock Range includes 2"NB SCH XXS Thro 6"NB SCH XXS 6.75"O.D. x 5.0"ID & 4.5"O.D. x 3.0"ID |
| 45° Long Sweep Elbow | |
| 90° 3D Double Back Elbow | |
| 45° 3D Double Back Elbow | |
| Long Sweep Elbow | |
| Long Sweep Full Flow Tee | |
| Gooseneck | |
| 90° Long Radius Elbow | |
| 45° Long Radius Elbow | |
| ANSI B16.9 Tees | |

15 K Working Pressure AISI 4130

| Fitting | Size / W.T. |
|--------------------------|----------------------------------------------------------------------------------------------------|
| 90° Long Sweep Elbow | Our Stock Range includes 5.5"O.D. x 3.0"ID 3.5"O.D. x 2.0"ID 5"NB 30mmWT & 6"NB 36mmWT |
| 45° Long Sweep Elbow | |
| 90° 3D Double Back Elbow | |
| 45° 3D Double Back Elbow | |
| Long Sweep Elbow | |
| Long Sweep Full Flow Tee | |
| Gooseneck | |
| 90° Long Radius Elbow | |
| 45° Long Radius Elbow | |
| ANSI B16.9 Tees | |

| Max. Working Pressure | 7500 PSI | 10000 PSI | 15000 PSI |
|-----------------------------|----------------------|----------------------|----------------------|
| Test Pressure (PSI) | 11,250 | 22,500 | 22,500 |
| Operating Temperature Range | -60 to +345 Deg C | -60 to +345 Deg C | -60 to +345 Deg C |
| Min Yield | >80,000 PSI | >80,000 PSI | >80,000 PSI |
| Min. Tensile | 105,000 PSI | 105,000 PSI | 105,000 PSI |
| Material | ASTM A234 Gr 4130 | ASTM A234 Gr 4130 | ASTM A234 Gr 4130 |

| Property | UNS AISI 4130 |
|--------------------------|-------------------------|
| Tensile Strength | 105,000 PSI 725 MPa |
| Yield Strength | >80,000 PSI >551 MPa |
| Impact Value °C | 42J min. av. -50 |
| Hardness (Max) | 237 HB |
| Elongation in 2" or 50mm | 18% |

Corp Off. : C-16, Anand Bhuvan, 163/165, V. P. Road, Mumbai - 400 004. Maharashtra, India.

Unit No. 1

Plot No. 1112/ 1113, Road No. 12, Shree Opera House,
Kalamboli Steel Market, Dist. Raigad, Maharashtra.

Unit No. 2

Plot No. 555, Road No. 4, KWC, Kalamboli,
Dist. Raigad, Maharashtra, Pin Code - 410 218.

Unit No. 3

Plot No. 726, Road No. 6, Opp. Disma Dharam Kata,
Kalamboli, Dist. Raigad, Maharashtra.

Unit No. 4

E-10/3, MIDC, Near Technova Company, Taloja,
Navi Mumbai - 410 208.

Mr. Rahul Mehta : +91 9833938715 | Mr. Abhilash Nair : +91 9324233293 Tel.: +91-22-43431313 / 23894513 / 14 / 15 | Fax : +91-22-23894511

www.thrukote.com | www.reliablepipes.com | sales@reliablepipes.com | export@reliablepipes.com

RELIABLE PIPES & TUBES LTD.

Round Bars



| Grade | Specification | Size (Dia) (Thickness) X (Bar Width) | Condition |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|------------------------------------------------------|
| 4130 Round Bar | MIL-S-6758 | 4130 Bar Dia 187" to 20" Round | 4130 |
| 4130 Heat Treated Round Bar | AMS-S-6758 | 4130 Round Bar Length: 72" - 144" Rdom Lgth | Hot Rolled |
| 4130 Rectangular Bar | AMS 6370 | 4130 Flat Bar Thickness: 250" ~ 5" Thick | Rough Turned/ Normalized/ and Tempered |
| 4130 Flat Bar | AMS 6348 | 4130 Flat Bar Width: 1" to 6" Wide | C4, D4/Cold Finished |
| 4130 Hex Bar | AMS 6446 | 4130 Hex Bar | |
| 4130 Forged Bar | AMS 2301 | | |
| 4130 Square Bar | ASTM A331 ASTM A322 | | |
| 4140 Round Bar | AMS-2301, AMS-S-5626 | 4140 Bar Dia 187" to 20" Round | Normalized/ Annealed |
| 4140 Heat Treated Round Bar | AMS-2304, ASTM-A-331 | 4140 Round Bar Length: 72" - 144" Rdom Lgth | |
| 4140 Rectangular Bar | AMS-6349, MIL-S-5626 | 4140 Flat Bar Thickness: 250" ~ 5" Thick | |
| 4140 Flat Bar | AMS 6382 | 4140 Flat Bar Width: 1" to 6" Wide | |
| 4140 Hex Bar | | 4140 Hex Bar | |
| 4140 Forged Bar | | | |
| 4330 Mod, Round Bar | MIL-S-8699, AMS 6427 | 4330 Bar Dia 187" to 20" Round | Hot Rolled, Annealed/ Quenched and Tempered |
| 4330 Vac Melt Bar | AMS 6411 | 4330 Round Bar Length: 72" - 144" Rdom Lgth | |
| 4330 Rectangular Bar | AMS 2301, BMS7-27 AMS 2300, BMS7-122 | 4330 Flat Bar Thickness: 250" ~ 8" Thick | |
| 4330 Forged Bar | AMS 6411, EMS 96242 | 4330 Flat Bar Width: 1" to 6" Wide | |
| 4130 Heat Treated Round Bar | CE 0906, FMS 1012 GM 1010, ASTM A322 AMS-H-6875, CPS 4911 Mil-F-7190, AMS-F-7190 DMS 1800 Class 1 AMS-STD-2154 CL A | 4330 Hex Bar | |
| 4340 Mod, Round Bar | AMS 6257, AMS 6419 | 4340 Bar Dia 187" to 18" Round | Hot Rolled, Annealed/ Quenched and Tempered |
| 4340 Norm & Temp Bar | AMS 6417, BAC 5617 | 4340 Round Bar Length: 72" - 144" Rdom Lgth | |
| 4340 Vac Melt Round Bar | AMS 6414, AMS 6415 | 4340 Flat Bar Thickness: 250" ~ 5" Thick | |
| 4340 Square Bar | BMS7-26, AMS 2300 | 4330 Flat Bar Width: 1" to 6" Wide | |
| 4340M Rectangular Bar | GM 1012, CPS 4911 | 4330 Hex Bar | |
| 4340 Flat Bar | C-05-1190, AMS 6409 | | |

Corp Off. : C-16, Anand Bhuvan, 163/165, V. P. Road, Mumbai - 400 004. Maharashtra, India.

Unit No. 1

Plot No. 1112 / 1113, Road No. 12, Shree Opera House,
Kalamboli Steel Market, Dist. Raigad, Maharashtra.

Unit No. 2

Plot No. 555, Road No. 4, KWC, Kalamboli,
Dist. Raigad, Maharashtra, Pin Code - 410 218.

Unit No. 3

Plot No. 726, Road No. 6, Opp. Disma Dharam Kata,
Kalamboli, Dist. Raigad, Maharashtra.

Unit No. 4

E-10/3, MIDC, Near Technova Company, Taloja,
Navi Mumbai - 410 208.

Mr. Rahul Mehta : +91 9833938715 | Mr. Abhilash Nair : +91 9324233293 Tel.: +91-22-43431313 / 23894513 / 14 / 15 | Fax : +91-22-23894511

www.thrukote.com | www.reliablepipes.com | sales@reliablepipes.com | export@reliablepipes.com

RELIABLE PIPES & TUBES LTD.

Flanges



We offer a large range of API 6A and ANSI forged swivel flanges, Blind Flanges, Slip-on Flanges and weld neck flanges in 4130 carbon steel to suit 2" to 6" nominal bore XXS pipe with pressure rating below. The API 6A specification requires a rigorous and unique quality system including stringent dimensional and NDT control. The application of an API monogram is that you, the client will be guaranteed of total compliance with the API specifications.

| Max. Working Pressure | 2000 PSI | 3000 PSI | 5000 PSI | 10000 PSI | 15000 PSI | 20000 PSI |
|------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Test Pressure (PSI) | 3,000 PSI | 4,500 PSI | 7,500 PSI | 15,000 PSI | 22,500 PSI | 30,000 PSI |
| Product Specification Levels | 1, 2, 3 & 4 | 1, 2, 3 & 4 | 1, 2, 3 & 4 | 1, 2, 3 & 4 | 1, 2, 3 & 4 | 1, 2, 3 & 4 |
| | K (-60 Deg C) | K (-60 Deg C) | K (-60 Deg C) | K (-60 Deg C) | K (-60 Deg C) | K (-60 Deg C) |
| API Temperature Rating | to | to | to | to | to | to |
| | Y (+345 Deg C) | Y (+345 Deg C) | Y (+345 Deg C) | Y (+345 Deg C) | Y (+345 Deg C) | Y (+345 Deg C) |

Integral, Blind, Target Bling & Test Flanges

| | | | | | | |
|--------------|------------|------------|------------|------------|------------|------------|
| Min Yield | 60,000 PSI | 60,000 PSI | 60,000 PSI | 60,000 PSI | 75,000 PSI | 75,000 PSI |
| Min. Tensile | 85,000 PSI | 85,000 PSI | 85,000 PSI | 85,000 PSI | 95,000 PSI | 95,000 PSI |
| Material | API 60K | API 60K | API 60K | API 60K | API 75K | API 75K |

Weld Neck Flanges

| | | | | | | |
|--------------|------------|------------|------------|------------|------------|------------|
| Min Yield | 45,000 PSI | 45,000 PSI | 45,000 PSI | 60,000 PSI | 75,000 PSI | 75,000 PSI |
| Min. Tensile | 70,000 PSI | 70,000 PSI | 70,000 PSI | 85,000 PSI | 95,000 PSI | 95,000 PSI |
| Material | API 45K | API 45K | API 45K | API 60K | API 75K | API 75K |

Corp Off. : C-16, Anand Bhuvan, 163/165, V. P. Road, Mumbai - 400 004. Maharashtra, India.

Unit No. 1

Plot No. 1112/ 1113, Road No. 12, Shree Opera House, Kalamboli Steel Market, Dist. Raigad, Maharashtra.

Unit No. 2

Plot No. 555, Road No. 4, KWC, Kalamboli, Dist. Raigad, Maharashtra, Pin Code - 410 218.

Unit No. 3

Plot No. 726, Road No. 6, Opp. Disma Dharam Kata, Kalamboli, Dist. Raigad, Maharashtra.

Unit No. 4

E-10/3, MIDC, Near Technova Company, Taloja, Navi Mumbai - 410 208.

Mr. Rahul Mehta : +91 9833938715 | Mr. Abhilash Nair : +91 9324233293 Tel.: +91-22-43431313 / 23894513 / 14 / 15 | Fax : +91-22-23894511

www.thrukote.com | www.reliablepipes.com | sales@reliablepipes.com | export@reliablepipes.com