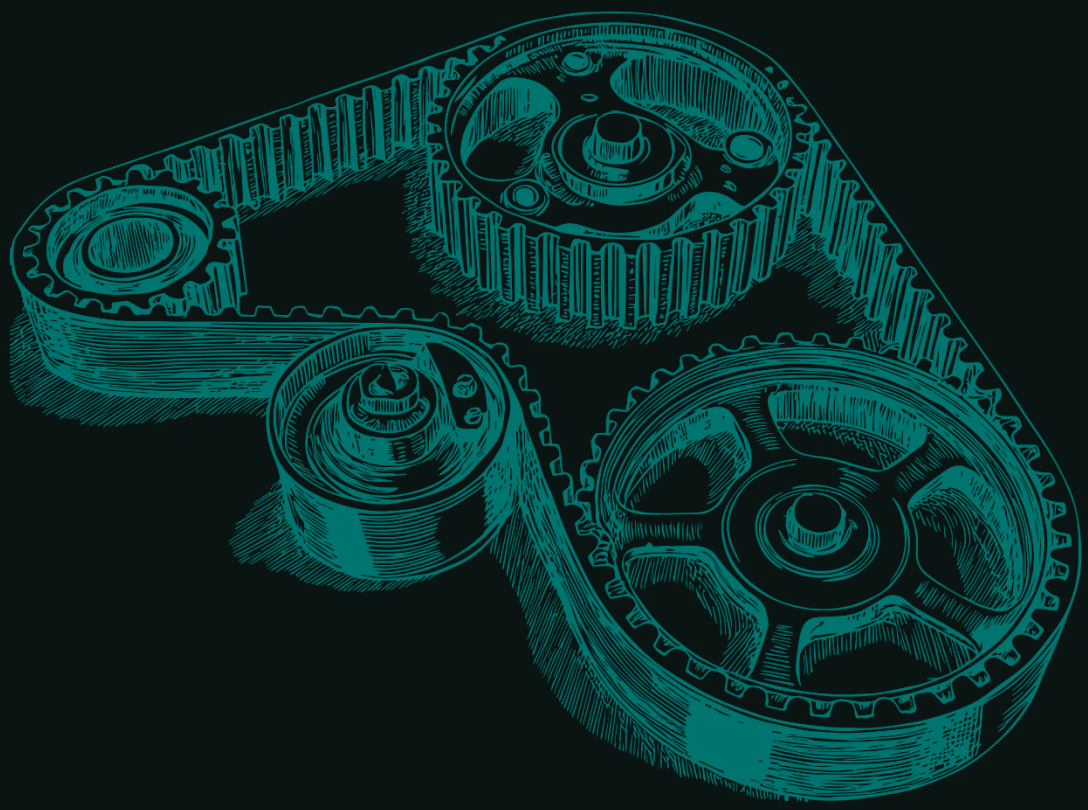
# Asceros International Ltd
# Product & Services Range



The
INDUSTRIAL
MANDATE Ltd.

# Contents

**Cold Drawn Precision Tubes** ..... 3
**Smooth Bore Cylinder Tubes** ..... 3
**Tubes for Hydraulic Cylinders** ..... 4
**Tubes for Hydraulic & Pneumatic Lines** ..... 4
**Hot Finished Seamless Tubes and Hollow Bars** ..... 5
**Welded Hollow Sections** ..... 6
**Extruded Seamless / Drawn Seamless** ..... 7
**Hot Rolled Bars** ..... 8
**Cold Worked Bars** ..... 9
**Stainless Steel & Nickel Alloy Tubes** ..... 10
**Machined Components** ..... 11
**Services** ..... 12

# Cold Drawn Precision Tubes

**Cold Drawn Welded and Seamless Carbon and Alloy Precision Tubes**

**Size Range O/D**

- O/D 4.0 to 304.8mm

**Wall Thickness 0.40 to 40mm**

**Special Shape tube section, Lemon, Triangular, Hexagonal, to international standards**

**Supply Condition**

- BK, BKW, BKS, GBK, NBK

**DOM Cold Drawn Welded Tubes, DIN2393 (EN10305-2, E235 (St37), E355 (St52)**

**DIN 2391 (EN10305-1), Cold Drawn Seamless Tubes E235 (St35), E255 (St45), E355 (St52)**

**Cold Drawn Seamless Hardening Tubes C35, C45, 25CrMo4, 34CrMo4, 42CrMo4**

**Cold Drawn Seamless Tubes 17Cr3, 16MnCr5, 20MnV6**

# Smooth Bore Cylinder Tubes

**Smooth Bore Tubes for Hydraulic Cylinders**

**Dom Welded Din 2393 ST52-3 BK**

- Ready-To-Use Smooth Bore



**I/D Roughness 0.2 - 0.8mm**

- I/D Tolerance H9 / H10

**Size Range: O/D X Wall**

- O/D: 30mm - 125mm
- Wall: 3mm - 7.5mm

# Tubes for Hydraulic Cylinders

**Cold Drawn Welded & Cold Drawn Seamless Tubes for Hydraulic Cylinders**

- Honed or Skived
- Suitable for Skiving or Honing
- Proof-Tested Tube suitable for high pressure applications

**Size Range: O/D x Wall**

- O/D: 30 mm – 275 mm
- Wall: 3.0 mm – 25.0 mm

# Tubes for Hydraulic & Pneumatic Lines

**Cold Drawn HPL Tubes**
BS3602, CFS 360 NBK, DIN 2391 ST 37.4 NBK, EN 10305-1, E235+N

- Self-Colour
- Phosphated
- Zinc Plated in yellow/blue/clear

**Size Range: O/D X Wall**

- O/D: 4.0mm - 219.1mm
- Wall: 0.4mm - 15.0mm

# Hot Finished Seamless Tubes and Hollow Bars

### Hot Finished Seamless Tubes

### EN10297:2002 E355 S355 J2H

- DIN 1629 Mechanical Properties
- Size Range : 10.2 / 660 O/D
- DIN 2448 Dimensional Tolerances
- Grade 490 – ST52.0
- Grade ST52-3N

### Hollow Bar for Machining

### BS6258 Grade 600

- ISO 2938 / BS 6258
- Size Range : 32 / 250 O/D
- Close Dimensional Tolerances
- Grade 600 (Vanadium added)
- Grade 20MnV6

# Welded Hollow Sections

**Cold Formed EN10219**

**Hot Finished EN10210**

**Cold Rolled EN10021**

- S235, S275, S335
- Round O/D 20mm -1219mm
- Square 20 x 20 -300 x 300mm
- Rect 40 x 20 – 400 x 200mm
- Wall Thickness 2.0mm – 16mm
- Lengths 6, 7.5, 10 and 12 meters
- Black, Self Colour, Pickled and Oiled, Galvanised
- Hexagon and Oval Shaped Tubes

**Typical Applications**

- Automobile
- Furniture
- Fencing and Sidings
- Cattle Equipment
- Scaffolding
- Signposts
- Hand Tools
- Heavy Machinery
- Suitable for Galvanising

# Extruded Seamless / Drawn Seamless
# Extruded Porthole / Drawn Porthole

### Extruded Seamless Tubes

Manufactured from pierced solid billet and are extruded using a circular die and piercing mandrel. These can be used for applications involving high pressure and loads, or where tube is subjected to forming, bending or expansion.

### Drawn Seamless Tubes

Produced from Extruded Seamless Tubes which are drawn using dies and plugs to achieve the required shape for applications requiring high strength, close tolerances and improved bore surface finish. There are no seams or joints in this process.

### Product

- Supplied in a wide range of tempers
- Diameter: 3.00mm – 304.80mm
- Thickness: 0.15mm – 25.00mm

### Shapes

- Round
- Square
- Rectangular
- Triangular
- Hexagonal
- Oval
- Special Profiles also available

### Alloys

- 1050, 1100, 3003, 3103
- 5052, 5083, 5086, 5154, 5454
- 6005, 6060, 6061, 6063, 6082, 6351

# Hot Rolled Bars

Hot rolled bars are a fundamental component in construction, manufacturing, and engineering, offering exceptional strength, versatility, and durability. Produced through a high-temperature rolling process, these bars are ideal for applications where precise shapes and tolerances are less critical but structural integrity is essential. Commonly used in frameworks, machinery, and support structures, hot rolled bars provide a cost-effective solution for heavy-duty projects requiring robust performance and reliable consistency.

- Alloy Steels for Automotive and Locomotive applications
- Carbon Re-Sulphurised Steels for machining
- Bearing Steel for Racer Bearings
- Construct Steel, High Strength Low Alloy
- Round 10mm – 300mm
- Flat 15 x 5mm – 400 x 40mm
- Hexagon 12mm – 60mm
- Square 10mm – 60mm

# Cold Worked Bars

Cold rolled bars are precision-engineered steel products known for their smooth finish, tighter tolerances, and enhanced mechanical properties. Manufactured through a cold reduction process at room temperature, these bars offer superior surface quality and dimensional accuracy, making them ideal for applications where aesthetics and exact specifications matter.

### Typical Applications

- Automotive Components
- Textile Machinery
- Hydraulics & Numatics
- Construction
- Sports Equipment
- General Engineering

### Product

- Carbon Steels
- Free Cutting Steels
- Alloy Steels
- Stainless Steels

### Peeled and Reeled Bars

- 9.5mm to 150mm diameter

### Cold Drawn Round Bars

- 20mm to 80mm diameter

### Ground Bars \ Tubes

- 3.0mm to 150mm diameter

### Tolerances

- ISO h11 to ISO h6

### End Finishing & Tube Preparation Processes

- Reeling
- Facing
- Chamfering

### Testing

- Eddy Current Surface Defect Inspection

# Stainless Steel & Nickel Alloy Tubes

**Seamless & Welded**

- Electro Welded
- Seamless O/D & I/D Redrawn
- Cold Drawn Welded
- In Coils, Straight Lengths 3-6 meters, fixed length

**Size Range: OD x Wall**

- O/D: 0.3mm – 219.10mm
- Wall: 0.1mm – 12.7mm

**Grades – ASTM/DIN Standards**

- 304, 304L, 321, 316, 316L & 316Ti
- Incoloy, Monel & Cupronickel

**Condition**

- Hard, Half Hard & Annealed

**Cut Lengths Supplied**

# Machined Components

- Asceros International can supply a wide range of machines components and fully turned parts from Carbon, Alloy Steel, Aluminium, Non Ferrous Metals Castings & Plastics.
- Parts can be supplied unfinished, Semi-finished, or fully finished to include heat treatment and plating for provision of integrated manufacturing solutions.
- Our experience and knowledge enables us to produce and supply machined parts specific to the customers drawings, in conjunction to offering globally competitive prices using the latest CNC technologies and equipment

**Construction Components**

- Excavators, Off Highway Vehicles, Bearings Gears, Cylinders, Bushes, Transmission Helical Worms, Front & Rear Axels, Launch Pins & Prop shafts.
- Grease Guns
- DTH Drill Bits

**Oil & Gas Components**

- Compressor Parts
- Adapter Rings
- Ram Shafts & Locking Bars
- Flanges
- Inner Sleeves in ferrous and non-ferrous material, machined to very tight tolerances.



# Services

- Cut
- Chamfered
- Punched
- Drilled
- Ground/Polished
- Deburred
- Swaged
- Slotted
- Machined
- Plated

# Contact Us

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