



Mild Steel Round Bars (Dia 28-50 MM) Hot Rolled Black Plain Rounds | LC Steel

### Description

## Mild Steel Round Bars Hot Rolled Black Bars in 28 MM to 50 MM Sizes

Steelmet Industries supplies **ungraded, untested low carbon (LC) mild steel round bars** in larger diameters ranging from **28 mm to 50 mm**. These hot rolled black bars are commonly used in structural frameworks, heavy fabrication, and re-rolling mills. Cost-effective and weldable, these plain rounds come in standard lengths and can be cut to order.

### Size & Length Availability

| Diameter (MM) | Standard Lengths (ft) | Exact Length (ft) | End Type           |
|---------------|-----------------------|-------------------|--------------------|
| 28            | 18 / 20 / 22          | Up to 22          | Sheared / Cold Saw |
| 30            | 18 / 20 / 22          | Up to 22          | Sheared / Cold Saw |
| 32            | 18 / 20 / 22          | Up to 22          | Sheared / Cold Saw |
| 34            | 18 / 20 / 22          | Up to 22          | Sheared / Cold Saw |
| 36            | 18 / 20 / 22          | Up to 22          | Sheared / Cold Saw |
| 38            | 18 / 20 / 22          | Up to 22          | Sheared / Cold Saw |
| 40            | 18 / 20 / 22          | Up to 22          | Sheared / Cold Saw |
| 42            | 18 / 20 / 22          | Up to 22          | Sheared / Cold Saw |
| 45            | 18 / 20 / 22          | Up to 22          | Sheared / Cold Saw |
| 50            | 18 / 20 / 22          | Up to 22          | Sheared / Cold Saw |

### Material Details

| Parameter       | Details                                       |
|-----------------|---|
| Material        | Mild Steel - Untested LC (Low Carbon)         |
| Grade           | Commercial Quality - Ungraded                 |
| Process         | Hot Rolled                                    |
| Surface         | Black (as rolled)                             |
| Cutting Options | Sheared (standard), Cold Saw Cut (on request) |

## Chemical Composition (Typical for LC MS)

| Element        | Typical Range (%) |
|----------------|-------------------|
| Carbon (C)     | 0.15 - 0.20       |
| Manganese (Mn) | 0.40 - 0.70       |
| Sulphur (S)    | 0.050 max         |
| Phosphorus (P) | 0.050 max         |

## Applications

| Industry             | Common Use                                    |
|----------------------|---|
| Fabrication          | Heavy-duty supports, railings, machine frames |
| Re-Rolling           | Flats, angles, or hex sections                |
| Construction         | Columns, scaffolding pipes, formwork supports |
| Industrial Furniture | Benches, racks, frames                        |

## Key Features

- Sizes from 28mm to 50mm readily available
- Flexible length options up to 22 feet
- Optional cold saw cut for cleaner finish
- Low cost for non-critical fabrication
- Weldable and machinable LC steel

???

## Frequently Asked Questions (FAQs)

### Are these round bars certified or tested?

No, these are untested commercial quality LC mild steel bars meant for non-critical uses like fabrication and general-purpose work.

### Can you supply custom lengths?

---

Yes. Exact lengths up to 22 ft can be provided upon request. Cold saw cutting is available for precise edges.

**Can these be used in welding structures?**

Yes. LC steel is weldable using standard electrodes and MIG/MAG welding techniques.

**Is this material suitable for machining?**

These bars are machinable but not ideal for close-tolerance machining without additional finishing. Use our bright bars for precision needs.

â??

**ð?? Enquiries & Ordering**

ð?? • **Steelmet Industries**

ð?? • [www.steelmet.in](http://www.steelmet.in)

ð?? Phone: [0712-2728071](tel:0712-2728071) | WhatsApp: [+91-712-278071](tel:+91-712-278071)

**Data**

18/06/2026

**Author**

admin

*Steelmet Industries - Bright Bars, Alloy Steels, Free Cutting Steels, Stainless Steels*