



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

# Đ?Đ;Đ,Ñ•Đ°Đ½Đ,Đμ Mild Steel Round Bars â?? Hot Rolled Black Bars in 28 MM to 50 Steel S

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.

# ð?? 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 â?? Untested LC (Low Carbon)

Grade Commercial Quality a?? Ungraded

**Process** Hot Rolled

Surface Black (as rolled)

Cutting Options Sheared (standard), Cold Saw Cut (on request)

# **ð?**?© Chemical Composition (Typical for LC MS)

Element Typical Range (%)

0.15 a?? 0.20 Carbon (C) Manganese (Mn) 0.40 â?? 0.70 Sulphur (S) 0.050 max

ð?•?︕ Applications

Phosphorus (P)

Industry

0.050 max

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Common Use

Heavy-duty supports, railings, machine frames

Flats angles, or hex sections

since formwork supports Fabrication

Re-Rolling

Construction

Industrial Furniture Benches, racks, frames

# **ð???** Key Features

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

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# â•? 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.

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