



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

### Descripción

## 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

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## ? 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

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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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**? Enquiries & Ordering**

? **Steelmet Industries**

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**Fecha**

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