



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

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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 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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ð?? Enquiries & Ordering

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