

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

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

Mild Steel Round Bars â?? 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.

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

ð?§ª Material Details

Parameter	Details
Material	Mild Steel â?? Untested LC (Low Carbon)
Grade	Commercial Quality â?? 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 (%)
Carbon (C)	0.15 â?? 0.20
Manganese (Mn)	0.40 â?? 0.70
Sulphur (S)	0.050 max
Phosphorus (P)	0.050 max

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ð?•?ï¸• 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

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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ð??? Enquiries & Ordering

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Date
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