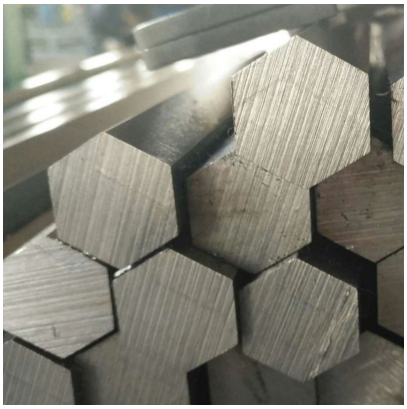


EN8 Cold Drawn Bright Hexagonal Bars â?? 12.7mm to 65mm A/F â?? Precision Steel for High-Strength Components

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

DescripciÃ³n

EN8, per **BS970:1955**, is a medium carbon steel known for its balance of strength, toughness, and machinability. When processed into **cold drawn bright hexagonal bars**, EN8 becomes even more suitable for precision-machined parts with enhanced surface finish and tighter dimensional control.

At **Steelmet Industries**, we offer EN8 Cold Drawn Bright Hexagon Bars in **across-flat (A/F) sizes ranging from 12.7mm to 65mm**, with precise tolerances and consistent mechanical propertiesâ??ideal for tools, fasteners, shafts, and engineering assemblies that require both strength and aesthetics.

Key Technical Features

- **Standard:** BS970:1955
- **Grade:** EN8 (Equivalent to 080M40 in BS970:1991)
- **Size Range:** 12.7mm A/F to 65mm A/F
- **Condition:** Cold Drawn + Bright Finished
- **Shape:** Hexagonal â?? Across Flats (A/F)
- **Tensile Strength:** 600 â?? 750 MPa

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- **Yield Strength:** 300 â?? 450 MPa
- **Hardness:** 180 â?? 230 BHN (as drawn)
- **Finish:** Bright, Clean, and Oiled
- **Machinability:** Very Good
- **Heat Treatment:** Hardening and tempering possible

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Applications of EN8 Bright Hexagons

- **Wrench Heads and Tooling Fixtures**
- **Machine and Drive Shafts**
- **Spanners, Bolts, Nuts, and Mechanical Fasteners**
- **Hex Couplers, Connectors, and Joinery Components**
- **Automotive parts** such as steering linkages and stub axles
- Engineering assemblies needing **dimensional precision and strength**

Why Choose Cold Drawn Bright Hex Bars?

- **Improved dimensional accuracy** vs. hot rolled hexagons
- **Superior surface finish** ideal for further processing or coating
- **Strain hardened properties** allow for stronger performance

- **Reduced machining time and tool wear**
- **Minimized material wastage** due to precise sizing

Alternate Supply Options from Steelmet Industries

- EN8 **Black Hexagons, Rounds, Squares, Flats**
- EN8 Bright Bars in **rounds, squares, and flats**
- Higher purity **EN8D Bright Bars** available
- Custom supply in **cut lengths, bundle packing, and bar coding**
- **EN9, EN1A, C45, SAE1045** also available in bright hexagon sections

Explore our full capabilities at What We Do

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Global Grade Equivalents to EN8

Standard	Equivalent Grade
AISI / SAE	1040 / 1045
EN (New)	C40E / C45E (EN10083)
DIN	CK45 / 1.1191
ISO	C45
JIS	S45C
GOST	45
IS	IS 1570 C45
BS (Old)	EN8
BS (New)	080M40
GB (China)	45#

Note: Chemical and mechanical property confirmation is advised before substitution. For more details, refer to our BS970:1955 Standard.

Steelmet Industries â?? Delivering Precision and Strength

- ð??• **Bright hexagons from 12.7mm to 65mm A/F**
- â??ï¸• **Custom length supply** for faster production
- ð?§° **Machining-ready surfaces** to reduce downstream work
- ð?§¾ **Third-party inspection reports, MTCs, and transport proofs** available
- ð??• Serving both **domestic and international customers** with quality & consistency
- ð??? **Prompt, scheduled deliveries** backed by reliable logistics

Read our Quality Policy to understand our process-driven commitment.

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

Frequently Asked Questions â?? EN8 Bright Hex Bars

Q1: What does â??cold drawn bright hexagonâ?• mean?

A: Cold drawing is a process of pulling hot-rolled bars through a die, improving dimensional accuracy, surface finish, and mechanical strength. The â??brightâ?• finish is clean, polished, and free of scale.

Q2: What tolerance do EN8 cold drawn hex bars maintain?

A: Tolerances as per IS, DIN, or customer-specified norms are achievableâ??typically h11 or tighter based on requirements.

Q3: Can I order custom cut-to-length bars?

A: Yes. Steelmet offers custom cutting services to minimize scrap and optimize productivity at your end.

Q4: Are these bars weldable?

A: Yes, though EN8 has medium carbon content. Pre-heating and post-weld stress relief are recommended.

Q5: What packaging options are available?

A: Bars are supplied in bundled form with steel straps, ID tags, and optional bar coding or plastic wrapping as per agreement.

Ready to Order EN8 Bright Hex Bars?

ð??? **Phone (India):** 0712-2728071
ð??? **Phone (International):** +91-712-2728071
ð??• **Website:** www.steelmet.in
ð??© **Quick Enquiry:** https://www.steelmet.in/wp/contact-us/

CategorÃa

1. BS970 1955 EN8 Steel and variants

Etiquetas

1. Bright Hexagonal Bars
2. Cold Drawn Hex Steel
3. EN8 080M40
4. EN8 Bar Stock
5. EN8 Bright Bars
6. EN8 Hexagon Bars
7. EN8 Machining Grade
8. Hex Bar India
9. Medium Carbon Hex Steel

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Fecha
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