CHARGENTUM

YOUR TRUSTED METAL PARTNER

ENGINEERING STEEL GRADES AND SPECIFICATIONS

OVERVIEW OF ENGINEERING STEEL

Engineering steel is a versatile range of carbon and alloy steels specifically manufactured to provide excellent machinability, dimensional accuracy, mechanical strength and reliable performance for precision engineering and industrial manufacturing applications. These steels are widely used for producing shafts, gears, pins, rollers, bushes, hydraulic components, machine components, parts, structural assemblies and precision machined components where consistency and durability are essential.

Engineering steels are supplied in various product forms including bright drawn bars, hard chrome plated bars, ground and polished rods, machined components and custom fabrications. These materials are selected to deliver specific engineering characteristics such as improved machinability, enhanced tensile strength, superior wear resistance, excellent weldability or precision surface finish depending on the intended application.

Low carbon grades such as EN10083 and EN08 provide outstanding fabrication and welding characteristics for general purpose components, while medium carbon grades such as EN19 and EN24 offer higher mechanical strength and fatigue resistance for demanding applications. Alloy steels such as EN19T and EN36 supplied are designed for high dimensional machining and automated production, reducing machining time while producing excellent surface finishes. Medium carbon grades such as EN8 EN9 provide increased strength, toughness and wear resistance for shafts, axles, gears and mechanical power transmission components. EN14 EN43 Chrome Molybdenum Steel is commonly used for high strength structural components and pressure parts, offering exceptional corrosion resistance, wear resistance and fatigue resistance for hydraulic cylinders and pneumatic equipment.

Engineering steel is extensively used throughout the automotive, aerospace, rail, oil and gas, agriculture, mining, power generation, construction equipment, hydraulics, manufacturing and precision engineering industries where dependable mechanical performance and dimensional accuracy are critical.

Chargentum supplies premium Engineering Steel products throughout the UK, including Bright Drawn Mild Steel, Bright Drawn Hot Rolled Carbon Steel, Hard Chrome Plated Bars, Ground and Polished Rods, Hard Chrome Plated Rod, EN36 Free Cutting Mild Steel Round Bar, EN36T / EN36M, EN19 Leaded Free Cutting Steel Round Bar, EN8M/EN9, EN8 Medium Carbon Steel Round Bar, EN8M/N9, EN8 Medium Carbon Steel Round Bar, EN8M/N9, EN8 Medium Carbon Steel Round Bar, EN8M/N

Chargeturn supplies premium EN10083-3 Cold Drawn High Quality Steel Round Bar (CDHQSR) is a comprehensive range of diameters manufactured to strict engineering standards. All material is supplied in standard 3000~6000 mm lengths, ready for machining, fabrication and general engineering applications. Precision cold drawing delivers tight tolerances, improved surface finish and enhanced mechanical properties compared with hot rolled material.

Diameter (mm)	Weight (kg/m)	Length (mm)	Condition	Grade	Typical Application
10	0.62	3000~6000	Bright Drawn	EN19B	Gears
12	0.89	3000~6000	Bright Drawn	EN19B	Precision Pins
15	1.39	3000~6000	Bright Drawn	EN19B	Bushes
20	2.47	3000~6000	Bright Drawn	EN19B	Machine Components
25	3.85	3000~6000	Bright Drawn	EN19B	Shafts
30	5.55	3000~6000	Bright Drawn	EN19B	Rollers
35	7.55	3000~6000	Bright Drawn	EN19B	Engineering Parts
40	9.87	3000~6000	Bright Drawn	EN19B	Gear Shafts
45	12.49	3000~6000	Bright Drawn	EN19B	Couplings
50	15.42	3000~6000	Bright Drawn	EN19B	Gear Shafts
55	18.66	3000~6000	Bright Drawn	EN19B	Support Rollers
60	22.20	3000~6000	Bright Drawn	EN19B	Mechanical Equipment
65	26.05	3000~6000	Bright Drawn	EN19B	General Engineering
70	30.21	3000~6000	Bright Drawn	EN19B	Industrial Components
75	34.69	3000~6000	Bright Drawn	EN19B	Heavy Engineering
80	39.46	3000~6000	Bright Drawn	EN19B	Industrial Machinery
85	44.55	3000~6000	Bright Drawn	EN19B	Manufacturing Equipment
90	49.94	3000~6000	Bright Drawn	EN19B	Machine Components
95	55.64	3000~6000	Bright Drawn	EN19B	Industrial Machinery
100	61.65	3000~6000	Bright Drawn	EN19B	Heavy Machine Shafts
110	74.59	3000~6000	Bright Drawn	EN19B	Engineering Equipment
125	96.33	3000~6000	Bright Drawn	EN19B	Heavy Components
140	120.87	3000~6000	Bright Drawn	EN19B	Industrial Systems
150	138.72	3000~6000	Bright Drawn	EN19B	Heavy Machinery
160	157.80	3000~6000	Bright Drawn	EN19B	Manufacturing Plants
180	199.78	3000~6000	Bright Drawn	EN19B	Mining Equipment
200	246.80	3000~6000	Bright Drawn	EN19B	Heavy Engineering
220	298.39	3000~6000	Bright Drawn	EN19B	Industrial Machinery
250	385.31	3000~6000	Bright Drawn	EN19B	Large Equipment
300	554.85	3000~6000	Bright Drawn	EN19B	Forged Components

BUY BEST DRAWN HEX 2 STEEL ROUND BAR (2000KT)

EN14 HARD-CHROME PLATED STEEL ROUND BAR

EN14 Hard Chrome Plated Steel Bar is a high-strength, corrosion-resistant alloy engineering steel designed for applications requiring improved wear resistance, corrosion protection and a smooth, low-friction surface finish. The hard chrome plating on this bar provides a durable, durable surface finish with enhanced resistance to abrasion, making it ideal for hydraulic and precision mechanical applications.

EN14 combines the strength and toughness of a medium-alloy steel core with the hardness of a hard chrome plated surface. It is widely used where components require reduced friction, extended service life and resistance to wear under demanding operating conditions. The chrome plating also provides a clean, hygienic and visually professional appearance, making it suitable for exposed mechanisms.

EN14 Hard Chrome Plated Steel Bar is commonly specified for hydraulic piston rods, hydraulic cylinders, linear motion shafts, guide rods, precision shafts, pneumatic equipment, manufacturing machinery and heavy-duty engineering applications where accurate dimensions and reliable performance are essential.

Diameter (mm)	Weight (kg/m)	Length (mm)	Condition	Grade	Typical Application
12	0.89	3000~6000	Hard Chrome Plated	EN14	Guide Rods
16	1.58	3000~6000	Hard Chrome Plated	EN14	Precision Shafts
20	2.47	3000~6000	Hard Chrome Plated	EN14	Hydraulic Components
25	3.85	3000~6000	Hard Chrome Plated	EN14	Piston Rods
30	5.55	3000~6000	Hard Chrome Plated	EN14	Hydraulic Cylinders
35	7.55	3000~6000	Hard Chrome Plated	EN14	Linear Shafts
40	9.87	3000~6000	Hard Chrome Plated	EN14	Hydraulic Equipment
45	12.49	3000~6000	Hard Chrome Plated	EN14	Industrial Systems
50	15.42	3000~6000	Hard Chrome Plated	EN14	Heavy Hydraulic Systems
55	18.66	3000~6000	Hard Chrome Plated	EN14	Industrial Machinery
60	22.20	3000~6000	Hard Chrome Plated	EN14	Mechanical Equipment
65	26.05	3000~6000	Hard Chrome Plated	EN14	Engineering Components
70	30.21	3000~6000	Hard Chrome Plated	EN14	Mechanical Systems
75	34.69	3000~6000	Hard Chrome Plated	EN14	Industrial Applications
80	39.46	3000~6000	Hard Chrome Plated	EN14	Heavy Machinery
85	44.55	3000~6000	Hard Chrome Plated	EN14	Precision Equipment
90	49.94	3000~6000	Hard Chrome Plated	EN14	Mechanical Systems
100	61.65	3000~6000	Hard Chrome Plated	EN14	Hydraulic Systems
110	74.59	3000~6000	Hard Chrome Plated	EN14	Industrial Cylinders
125	96.33	3000~6000	Hard Chrome Plated	EN14	Heavy Industrial Equipment
140	120.87	3000~6000	Hard Chrome Plated	EN14	Industrial Machinery
150	138.72	3000~6000	Hard Chrome Plated	EN14	Heavy Engineering
180	157.81	3000~6000	Hard Chrome Plated	EN14	Large Industrial Systems
200	199.78	3000~6000	Hard Chrome Plated	EN14	Heavy Industrial Equipment
220	246.80	3000~6000	Hard Chrome Plated	EN14	Large Hydraulic Applications

BUY EN14 HARD CHROME PLATED STEEL ROUND BAR

EN14 FREE CUTTING MILD STEEL ROUND BAR (220MGT / 220MGT)

EN14 Free Cutting Mild Steel Round Bar (220MGT / 220MGT) is a low carbon free machining steel specifically developed for high speed machining operations where excellent chip formation, reduced tool wear and consistent surface finish are required. The controlled sulphur content improves machinability, allowing faster cutting speeds and extended tool life compared with standard mild steel grades.

EN14 is one of the most widely used free cutting steels in the UK precision engineering industry due to its excellent machinability, good dimensional accuracy and consistent performance during turning, drilling, milling and automatic machining operations. It is commonly specified for high volume production components where manufacturing efficiency and repeatable quality are essential.

Typical applications include CNC turned components, fasteners, shafts, bushes, pins, spacers, fittings, connectors, valves, pulleys and general engineering components. EN14 is particularly suitable for automatic screw machining and mass production applications where reduced machining time is a priority.

Chargeturn supplies premium EN14 Free Cutting Mild Steel Round Bar (220MGT / 220MGT) in a comprehensive range of diameters, manufactured to engineering standards and supplied with full mill certification EN 10204 3.1. All material is available with reliable UK delivery for precision engineering, manufacturing and industrial applications.

Diameter (mm)	Weight (kg/m)	Length (mm)	Condition	Grade	Typical Application
8	0.22	3000~6000	Bright Drawn	EN14 (220MGT/220MGT-MG3)	Precision Pins
8	0.36	3000~6000	Bright Drawn	EN14 (220MGT/220MGT-MG3)	Small Components
10	0.62	3000~6000	Bright Drawn	EN14 (220MGT/220MGT-MG3)	Automatic Machining
12	0.89	3000~6000	Bright Drawn	EN14 (220MGT/220MGT-MG3)	Small Shafts
14	1.21	3000~6000	Bright Drawn	EN14 (220MGT/220MGT-MG3)	Precision Parts
16	1.58	3000~6000	Bright Drawn	EN14 (220MGT/220MGT-MG3)	Bushes
18	2.00	3000~6000	Bright Drawn	EN14 (220MGT/220MGT-MG3)	Turned Components
20	2.47	3000~6000	Bright Drawn	EN14 (220MGT/220MGT-MG3)	Fasteners
25	3.85	3000~6000	Bright Drawn	EN14 (220MGT/220MGT-MG3)	Precision Machining
30	5.55	3000~6000	Bright Drawn	EN14 (220MGT/220MGT-MG3)	Shafts
35	7.55	3000~6000	Bright Drawn	EN14 (220MGT/220MGT-MG3)	Engineering Components
40	9.87	3000~6000	Bright Drawn	EN14 (220MGT/220MGT-MG3)	Machine Parts
45	12.49	3000~6000	Bright Drawn	EN14 (220MGT/220MGT-MG3)	Precision Components
50	15.42	3000~6000	Bright Drawn	EN14 (220MGT/220MGT-MG3)	Fittings
55	18.66	3000~6000	Bright Drawn	EN14 (220MGT/220MGT-MG3)	Industrial Components
60	22.20	3000~6000	Bright Drawn	EN14 (220MGT/220MGT-MG3)	Machined Parts
65	26.05	3000~6000	Bright Drawn	EN14 (220MGT/220MGT-MG3)	General Engineering
70	30.21	3000~6000	Bright Drawn	EN14 (220MGT/220MGT-MG3)	Production Components
75	34.69	3000~6000	Bright Drawn	EN14 (220MGT/220MGT-MG3)	Industrial Parts
80	39.46	3000~6000	Bright Drawn	EN14 (220MGT/220MGT-MG3)	Heavy Engineering
90	49.94	3000~6000	Bright Drawn	EN14 (220MGT/220MGT-MG3)	Machine Components
100	61.65	3000~6000	Bright Drawn	EN14 (220MGT/220MGT-MG3)	Large Precision Parts
110	74.59	3000~6000	Bright Drawn	EN14 (220MGT/220MGT-MG3)	Engineering Equipment
125	96.33	3000~6000	Bright Drawn	EN14 (220MGT/220MGT-MG3)	Heavy Components
150	138.72	3000~6000	Bright Drawn	EN14 (220MGT/220MGT-MG3)	Industrial Machinery

BUY EN14 FREE CUTTING MILD STEEL ROUND BAR (220MGT / 220MGT)

EN14 LEADED FREE CUTTING STEEL ROUND BAR (220MGT-CLADDED)

EN14 Leaded Free Cutting Steel Round Bar (220MGT-cladded) is a precision engineering steel produced with controlled lead additions to provide exceptional machinability, improved chip formation and consistent performance in high speed automatic machining operations. The lead improves the cutting characteristics of the steel, making it particularly suitable for automatic machining and high volume production environments.

Typical applications include CNC turned components, automatic lathe parts, precision fittings, connectors, bushes, screws, pins, valves, instrumentation components and general engineering parts requiring efficient production and excellent surface quality.

Chargeturn supplies premium EN14 Leaded Free Cutting Steel Round Bar (220MGT-cladded) in a comprehensive range of diameters, manufactured to engineering standards and supplied with full mill certification EN 10204 3.1. All material is available with reliable UK delivery for precision machining, manufacturing and industrial applications.

Diameter (mm)	Weight (kg/m)	Length (mm)	Condition	Grade	Typical Application
8	0.22	3000~6000	Bright Drawn	EN14 (220MGT-CLADDED)	Precision Pins
10	0.62	3000~6000	Bright Drawn	EN14 (220MGT-CLADDED)	Small Components
12	0.89	3000~6000	Bright Drawn	EN14 (220MGT-CLADDED)	Machined Parts
14	1.21	3000~6000	Bright Drawn	EN14 (220MGT-CLADDED)	Precision Parts
16	1.58	3000~6000	Bright Drawn	EN14 (220MGT-CLADDED)	Bushes
18	2.00	3000~6000	Bright Drawn	EN14 (220MGT-CLADDED)	Machined Components
20	2.47	3000~6000	Bright Drawn	EN14 (220MGT-CLADDED)	Fasteners
25	3.85	3000~6000	Bright Drawn	EN14 (220MGT-CLADDED)	Precision Machining
30	5.55	3000~6000	Bright Drawn	EN14 (220MGT-CLADDED)	Shafts
35	7.55	3000~6000	Bright Drawn	EN14 (220MGT-CLADDED)	Machine Components
40	9.87	3000~6000	Bright Drawn	EN14 (220MGT-CLADDED)	Precision Components
45	12.49	3000~6000	Bright Drawn	EN14 (220MGT-CLADDED)	Turned Parts
50	15.42	3000~6000	Bright Drawn	EN14 (220MGT-CLADDED)	Precision Fittings
55	18.66	3000~6000	Bright Drawn	EN14 (220MGT-CLADDED)	Industrial Components
60	22.20	3000~6000	Bright Drawn	EN14 (220MGT-CLADDED)	Machined Parts
65	26.05	3000~6000	Bright Drawn	EN14 (220MGT-CLADDED)	General Engineering
70	30.21	3000~6000	Bright Drawn	EN14 (220MGT-CLADDED)	Turned Components
75	34.69	3000~6000	Bright Drawn	EN14 (220MGT-CLADDED)	Machine Components
80	39.46	3000~6000	Bright Drawn	EN14 (220MGT-CLADDED)	Heavy Components
90	49.94	3000~6000	Bright Drawn	EN14 (220MGT-CLADDED)	Industrial Machinery

EN8 MEDIUM CARBON STEEL FLAT/SQUARES (080M40)

EN8 Medium Carbon Steel Flats and Squares (080M40) are widely used engineering steel products supplied in standard dimensions for machining, fabrication and general engineering applications where robust steel grade, EN8 provides improved mechanical performance compared with mild steel while remaining good fabrication and machining characteristics.

EN8 Flat bar and square are commonly specified for applications requiring greater strength and wear resistance than low carbon steels. The material can be supplied in hot rolled, bright drawn or normalised conditions, making it suitable for machining, fabrication and general engineering applications.

Typical applications include machine bases, brackets, shafts, supports, frames, jigs, fixtures, tooling plates, machine components, agricultural equipment and general industrial fabrications where reliable mechanical performance is required.

Chargeturn supplies premium EN8 Medium Carbon Steel Flats and Squares (080M40) in a comprehensive range of dimensions, manufactured to engineering standards and supplied with full mill certification EN 10204 3.1. All material is available with reliable UK delivery for manufacturing, fabrication and engineering projects.

EN8 MEDIUM CARBON STEEL FLAT BAR

Thickness (mm)	Width (mm)	Length (mm)	Weight (kg/Piece)	Condition	Grade	Typical Application
5	25	6000	2.94	Hot Rolled	EN8 (080M40)	Brackets
5	30	6000	3.53	Hot Rolled	EN8 (080M40)	Fabrication Parts
8	40	6000	5.65	Hot Rolled	EN8 (080M40)	Machine Supports
8	40	6000	7.54	Hot Rolled	EN8 (080M40)	Jigs & Fixtures
8	50	6000	9.42	Hot Rolled	EN8 (080M40)	Structural Components
10	50	6000	11.78	Hot Rolled	EN8 (080M40)	Machine Parts
10	60	6000	14.13	Hot Rolled	EN8 (080M40)	Engineering Frames
12	50	3000	14.13	Hot Rolled	EN8 (080M40)	Supports
12	75	6000	27.20	Hot Rolled	EN8 (080M40)	Mechanical Components
15	75	6000	28.49	Hot Rolled	EN8 (080M40)	Heavy Supports
16	100	6000	37.68	Hot Rolled	EN8 (080M40)	Tooling Plates
20	100	6000	47.10	Hot Rolled	EN8 (080M40)	Machine Bases
20	150	6000	70.65	Hot Rolled	EN8 (080M40)	Heavy Fabrication
25	150	5000	73.63	Hot Rolled	EN8 (080M40)	Structural Components

					(DIN9962)
25	150	6000	88.31	Hot Rolled	CNR (DIN9962)	Industrial Equipment
30	150	6000	70.65	Hot Rolled	CNR (DIN9962)	Heavy Machinery
30	150	6000	125.98	Hot Rolled	CNR (DIN9962)	Engineering Frames
40	150	6000	141.91	Hot Rolled	CNR (DIN9962)	Heavy Engineering
40	200	6000	188.40	Hot Rolled	CNR (DIN9962)	Machine Structures
50	150	6000	176.63	Hot Rolled	CNR (DIN9962)	Industrial Machinery
50	200	6000	235.50	Hot Rolled	CNR (DIN9962)	Heavy Equipment

EN8 MEDIUM CARBON STEEL SQUARE BAR

Size (mm)	Length (mm)	Weight (kg/m)	Condition	Grade	Typical Application
10 × 10	3000-6000	0.79	Bright Drawn	CNR (DIN9962)	Small Components
10 × 15	3000-6000	1.17	Bright Drawn	CNR (DIN9962)	Machined Parts
20 × 20	3000-6000	3.14	Bright Drawn	CNR (DIN9962)	Fixtures
20 × 25	3000-6000	4.01	Bright Drawn	CNR (DIN9962)	Machine Parts
30 × 30	3000-6000	7.07	Bright Drawn	CNR (DIN9962)	Shafts & Blocks
40 × 40	3000-6000	12.56	Bright Drawn	CNR (DIN9962)	Engineering Components
50 × 50	3000-6000	19.63	Bright Drawn	CNR (DIN9962)	Heavy Machinery
60 × 60	3000-6000	28.26	Bright Drawn	CNR (DIN9962)	Industrial Components
75 × 75	3000-6000	44.18	Bright Drawn	CNR (DIN9962)	Heavy Engineering
100 × 100	3000-6000	78.50	Bright Drawn	CNR (DIN9962)	Large Machine Components

BUY EN8 MEDIUM CARBON STEEL PLATE/SQUARE (DIN9962)

EN8 MEDIUM CARBON STEEL ROUND BAR (DIN9962)

EN8 Medium Carbon Steel Round Bar (DIN9962) is one of the most widely used medium carbon engineering steels in the UK, offering an excellent balance of strength, toughness, machinability and wear resistance. It is supplied in bright drawn condition and is suitable for general engineering applications where mechanical properties and machinability are important considerations.

EN8 is commonly supplied in the unheated, normalised or bright drawn condition and can be further heat treated to achieve increased strength and hardness for demanding engineering applications. It is widely used where higher strength is required compared with low carbon steels, making it suitable for shafts, axles, gears, studs, pins, rollers, machinery components and general engineering parts.

The combination of good tensile strength, impact resistance and machinability makes EN8 a versatile material for applications in manufacturing, agricultural, construction equipment, power transmission and general engineering industries.

Chargentum supplies premium EN8 Medium Carbon Steel Round Bar (DIN9962) in a comprehensive range of diameters, manufactured to engineering standards and supplied with full mill certification (EN 10204 3.1). All material is available in standard stock lengths with reliable UK delivery for machining, fabrication and industrial applications.

Diameter (mm)	Weight (kg/m)	Length (mm)	Condition	Grade	Typical Application
10	0.62	3000-6000	Bright Drawn	CNR (DIN9962)	Small Shafts
12	0.89	3000-6000	Bright Drawn	CNR (DIN9962)	Pins
16	1.58	3000-6000	Bright Drawn	CNR (DIN9962)	Bushes
20	2.47	3000-6000	Bright Drawn	CNR (DIN9962)	Machine Components
25	3.85	3000-6000	Bright Drawn	CNR (DIN9962)	Shafts
30	5.55	3000-6000	Bright Drawn	CNR (DIN9962)	Rollers
35	7.55	3000-6000	Bright Drawn	CNR (DIN9962)	Engineering Pins
40	9.87	3000-6000	Bright Drawn	CNR (DIN9962)	Drive Shafts
45	12.49	3000-6000	Bright Drawn	CNR (DIN9962)	Couplings
50	15.42	3000-6000	Bright Drawn	CNR (DIN9962)	Machine Parts
55	18.66	3000-6000	Bright Drawn	CNR (DIN9962)	Rollers
60	22.20	3000-6000	Bright Drawn	CNR (DIN9962)	Hydraulic Components
65	26.05	3000-6000	Bright Drawn	CNR (DIN9962)	Mechanical Parts
70	30.21	3000-6000	Bright Drawn	CNR (DIN9962)	Industrial Components
75	34.68	3000-6000	Bright Drawn	CNR (DIN9962)	Heavy Engineering
80	39.46	3000-6000	Bright Drawn	CNR (DIN9962)	Machine Shafts
85	44.55	3000-6000	Bright Drawn	CNR (DIN9962)	Manufacturing Equipment
90	49.94	3000-6000	Bright Drawn	CNR (DIN9962)	Industrial Systems
100	61.65	3000-6000	Bright Drawn	CNR (DIN9962)	Heavy Shafts
110	74.58	3000-6000	Bright Drawn	CNR (DIN9962)	Power Transmission
125	96.33	3000-6000	Bright Drawn	CNR (DIN9962)	Heavy Components
140	120.87	3000-6000	Bright Drawn	CNR (DIN9962)	Industrial Machinery
150	138.72	3000-6000	Bright Drawn	CNR (DIN9962)	Heavy Engineering
160	157.93	3000-6000	Bright Drawn	CNR (DIN9962)	Mechanical Systems
180	199.76	3000-6000	Bright Drawn	CNR (DIN9962)	Large Machinery
200	246.60	3000-6000	Bright Drawn	CNR (DIN9962)	Heavy Industrial Equipment
220	298.39	3000-6000	Bright Drawn	CNR (DIN9962)	Power Equipment
250	385.31	3000-6000	Bright Drawn	CNR (DIN9962)	Heavy Engineering

BUY EN8 MEDIUM CARBON STEEL ROUND BAR (DIN9962)

EN8 HARD CHROME PLATED STEEL ROUND BAR (DIN9962)

EN8 Hard Chrome Plated Steel Round Bar (DIN9962) combines the strength and toughness of medium carbon steel with a precision hard chrome plated surface for outstanding wear resistance and long service life in demanding industrial applications.

Manufactured from EN8 (DIN9962) medium carbon steel, chrome plated round bar offers high tensile strength with a smooth, hardened chrome surface. The chrome layer provides improved resistance against abrasion, corrosion and mechanical wear, making it ideal for applications involving sliding movement, hydraulic operation and precision guidance.

EN8 Hard Chrome Plated Steel Round Bar is widely used in hydraulic cylinders, piston rods, pneumatic systems, linear motion equipment, automation machinery, agricultural machinery and precision engineering applications where accurate dimensions and durable surface performance are required.

The precision chrome plated surface provides reduced frictional resistance, improved surface finish and reduced maintenance requirements, making it a preferred choice for demanding mechanical applications.

Chargentum supplies premium EN8 Hard Chrome Plated Steel Round Bar (DIN9962) in a comprehensive range of diameters and lengths, manufactured to recognised engineering standards and supplied with full mill certification (EN 10204 3.1). All material is available with reliable UK delivery for hydraulic, mechanical and engineering industries.

Diameter (mm)	Weight (kg/m)	Length (mm)	Condition	Grade	Typical Application
12	0.89	3000-6000	Hard Chrome Plated	CNR (DIN9962)	Small Hydraulic Rods
16	1.58	3000-6000	Hard Chrome Plated	CNR (DIN9962)	Pneumatic Components
20	2.47	3000-6000	Hard Chrome Plated	CNR (DIN9962)	Hydraulic Pistons
25	3.85	3000-6000	Hard Chrome Plated	CNR (DIN9962)	Cylinder Rods
30	5.55	3000-6000	Hard Chrome Plated	CNR (DIN9962)	Hydraulic Equipment
35	7.55	3000-6000	Hard Chrome Plated	CNR (DIN9962)	Linear Motion Systems
40	9.87	3000-6000	Hard Chrome Plated	CNR (DIN9962)	Hydraulic Cylinders
45	12.49	3000-6000	Hard Chrome Plated	CNR (DIN9962)	Industrial Machinery
50	15.42	3000-6000	Hard Chrome Plated	CNR (DIN9962)	Heavy Hydraulic Systems
55	18.66	3000-6000	Hard Chrome Plated	CNR (DIN9962)	Mechanical Actuators
60	22.20	3000-6000	Hard Chrome Plated	CNR (DIN9962)	Construction Equipment
65	26.05	3000-6000	Hard Chrome Plated	CNR (DIN9962)	Industrial Components
70	30.21	3000-6000	Hard Chrome Plated	CNR (DIN9962)	Hydraulic Machinery
75	34.68	3000-6000	Hard Chrome Plated	CNR (DIN9962)	Heavy Engineering
80	39.46	3000-6000	Hard Chrome Plated	CNR (DIN9962)	Large Hydraulic Equipment
85	44.55	3000-6000	Hard Chrome Plated	CNR (DIN9962)	Industrial Presses
90	49.94	3000-6000	Hard Chrome Plated	CNR (DIN9962)	Heavy Machinery
100	61.65	3000-6000	Hard Chrome Plated	CNR (DIN9962)	Industrial Systems
110	74.58	3000-6000	Hard Chrome Plated	CNR (DIN9962)	Large Hydraulic Equipment
125	96.33	3000-6000	Hard Chrome Plated	CNR (DIN9962)	Industrial Systems
140	120.87	3000-6000	Hard Chrome Plated	CNR (DIN9962)	Heavy Hydraulic Applications
150	138.72	3000-6000	Hard Chrome Plated	CNR (DIN9962)	Heavy Engineering Systems

BUY EN8 HARD CHROME PLATED STEEL ROUND BAR (DIN9962)

DOWNLOAD FULL ENGINEERING STEEL DATASHEET

Download the complete technical datasheet for Engineering Steel including:

- Chemical composition and mechanical properties
- Density, conductivity, tolerances and finishes
- Dimension, weight and grade tables for flat bars, round bars, squares and chrome plated bars
- Engineering standards and typical applications

DOWNLOAD FULL ENGINEERING STEEL DATASHEET

EXPLORE MORE ABOUT CHARGENTUM'S STRUCTURAL STEEL, ENGINEERING STEEL, ALLOY STEEL, PERFORATED SHEETS, SEAMLESS TUBES, TOOL STEEL, STAINLESS STEEL, BRASS, COPPER, ALUMINIUM, GREEN STEEL AND METAL GRADES & SPECIFICATIONS