

Technical Data Sheet

1214 Bright (Cold Drawn) Hex Bar

Product: Bright (Cold Drawn) Hex Bar
Grade: 1214
Standard: AS 1443 / SAE 1214 / EN 1.1214

1214 steel is a free-machining medium carbon steel with small additions of sulphur or lead to enhance machinability. It is widely used for precision components where a smooth surface finish, dimensional accuracy, and good strength are required. Cold drawing improves dimensional tolerance, tensile strength, and surface brightness compared to hot rolled material.

Typical Applications:
Precision machined parts
Shafts, pins, and fasteners
Gears, spindles, and couplings
Automotive and general engineering components

Dimensions and weight per metre

Size (in)	Size (mm)	Weight per metre (kg)	Typical Tolerance (mm)
1/2	12.7	1.10	±0.10
5/8	15.9	1.74	±0.10
3/4	19.1	2.53	±0.10
7/8	22.2	3.40	±0.10
1	25.4	4.35	±0.10
1-1/8	28.6	5.47	±0.10
1-1/4	31.8	6.65	±0.10
1-1/2	38.1	9.95	±0.10
1-3/4	44.5	13.50	±0.15
2	50.8	17.90	±0.15
2-1/4	57.2	22.90	±0.15
2-1/2	63.5	28.30	±0.15

Notes:
Weights are approximate and based on theoretical density
Cold-drawn material offers improved dimensional accuracy and surface finish compared to hot-rolled hex bar
Tolerances shown are typical for bright hex bar under AS 1443 and similar standards
Verify dimensions and specifications with supplier prior to manufacturing use