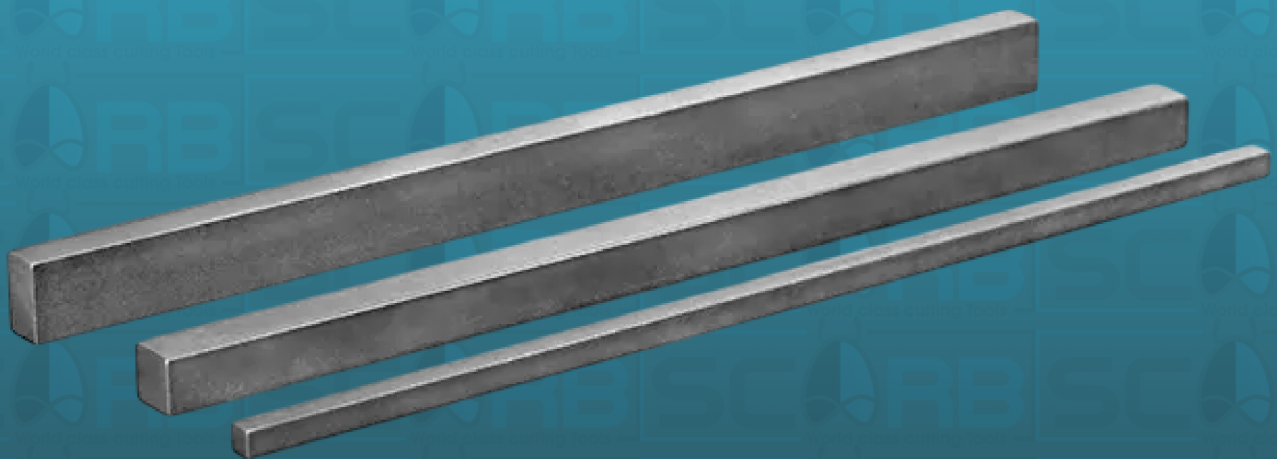


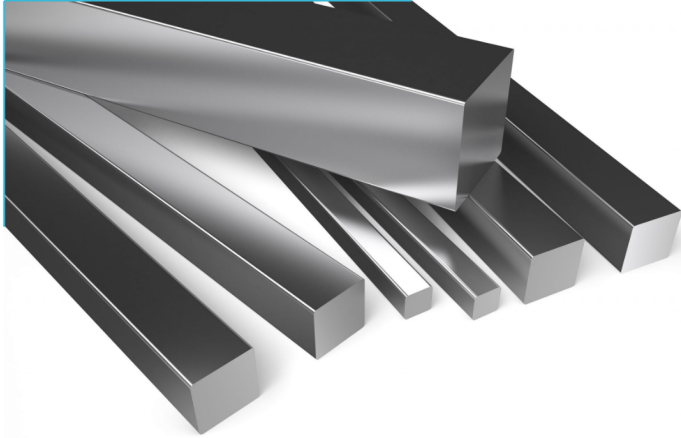


Key Stock

Product Catalog



Key Stock



Features

- **Premium Build:** Cold-drawn bright steel with sharp corners and smooth finishes.
- **Compliance:** Compliant with NASM20066/20067/20068 standards, DFARS and RoHS certified.
- **Versatile Options:** Available in carbon steel, alloy steel, and stainless steel in various lengths and grades.
- **Precise Tolerances:** Size tolerances of $\pm 0.0010/-0.0000$ " for squares, and length tolerances of ± 0.125 ".
- **Shear Strength:** Ranges from 60,000 psi to 90,000 psi, based on material grade.
- **Traceability:** Includes CofC, Material Cert, Shear Test Results, and Heat Treat Certifications.

Material Characteristics

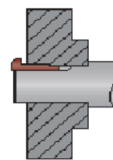
- **Grade C Carbon Steel:** Plain finish; shear strength 75,000 psi minimum.
- **Grade B Alloy Steel:** Heat-treated to RC 40-50 with a plain finish; shear strength 90,000 psi minimum.
- **Grade A Stainless Steel (CRES):** Passivated finish; shear strength 60,000 psi minimum.
- **Durability:** Manufactured to meet OO-K-220, ASTM A108, ASTM A322, ASTM A493, and ASTM A582 standards.

Description

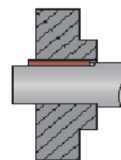
Scarb Precision Key Stock offers premium-grade square and rectangular bars with cold-drawn bright steel, sharp corners, and tight tolerances. Designed for optimal interference fit, it meets NASM20066/20067/20068 requirements, ensuring reliability for high-precision applications. It is RoHS and DFARS compliant with full traceability for all orders.

Applications

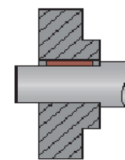
- **Industrial Repairs:** Ideal for aftermarket repairs and custom machine setups.
- **Precision Assembly:** Used in applications requiring exact interference fits for enhanced performance.
- **High-Quantity Production:** Suited for environments that benefit from minimized setup times.
- **Automotive Manufacturing:** Essential for creating secure and durable shaft connections in vehicle assemblies.
- **Aerospace Engineering:** Meets critical tolerance requirements for aircraft components and mechanisms.
- **Heavy Machinery:** Provides reliable keyways for load-bearing applications in industrial machines.
- **Oil & Gas Equipment:** Suitable for high-pressure and high-stress environments in drilling and refining systems.
- **Marine Engineering:** Corrosion-resistant stainless steel options ensure durability in saltwater environments.
- **Renewable Energy Systems:** Used in wind turbines, generators, and other green energy equipment.
- **General Mechanical Fabrication:** Adaptable for use in jigs, fixtures, and mechanical systems requiring precise alignment.



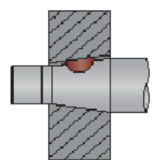
Top fitting gib head keys ease assembly and disassembly.



Parallel keys located in key ways at the end of a shaft may protrude for full contact between key and shaft.



Key ways located along the length of a shaft allow for full contact in assembly with no way for the key to work itself out.



Woodruff Keys are frequently used with tapered shafts. Although more difficult to install, they can not fall out of an assembly.



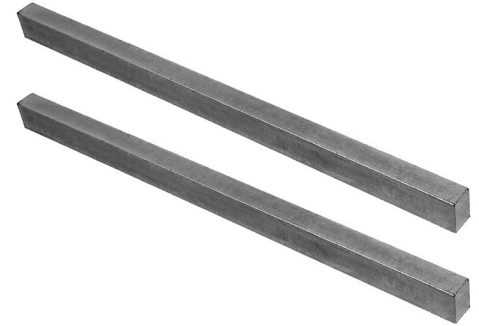


Key Stock



Square Key Stock

Size (Inch)	Size (Metric)	
1/8 x 1/8 x 12"	3x3x300mm	18x 18x 300mm
1/4 x 1/4 x 12"	4x4x300mm	20x 20x 300mm
5/16 x 5/16 x 12"	5x5x300mm	20x 20x 300mm
3/8 x 3/8 x 12"	6x6x300mm	22x 22x 300mm
7/16 x 7/16 x 12"	6x6x300mm	25x 25x 300mm
1/2 x 1/2 x 12"	7x7x300mm	28x 28x 300mm
9/16 x 9/16 x 12"	8x8x300mm	30x 30x 300mm
5/8 x 5/8 x 12"	8x8x300mm	32x 32x 300mm
3/4 x 3/4 x 12"	10x 10x 300mm	36x 36x 300mm
7/8 x 7/8 x 12"	10x 10x 300mm	38x 38x 300mm
1 x 1 x 12"	12x 12x 300mm	50x 50x 300mm
1 1/4 x 1 1/4 x 12"	12x 12x 300mm	
1 1/2 x 1 1/2 x 12"	14x 14x 300mm	
2 x 2 x 12"	16x 16x 300mm	



Rectangular Key Stock

Size (Metric)
7x8x300mm
10x8x300mm
12x8x300mm
12x10x300mm
14x9x300mm
14x10x300mm
14x12x300mm
15x12x300mm
16x10x300mm
16x12x300mm
18x11x300mm
18x12x300mm
20x12x300mm
22x14x300mm
24x16x300mm

Flat - Rectangular Key Stock



Size (Metric)
25x18x300mm
28x16x300mm
30x18x300mm
32x18x300mm
24x18x300mm