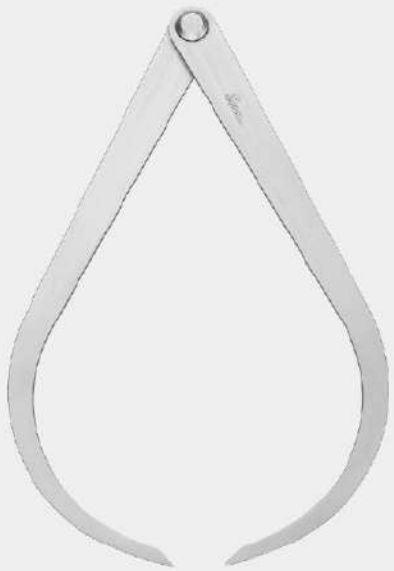
SUMMIT
PRECISION QUALITY
SINCE 1962

Firm Joint Caliper

A Rigid Setting, A Reliable Reading.



Firm Joint Calipers are ideal measurement tools for taking transfer measurements of length or working parts in an industrial setup. The legs are tempered and precision-formed to shape according to style and purpose, and are held together by a large-headed nut and screw assembly with fiber washers interposed between the contacting faces.

This construction creates a firm friction joint that is rigid and completely without play. Once set, the caliper holds its dimension reliably under workshop and production floor conditions — making it a trusted tool for repetitive comparison and transfer work across lathe, CNC, and VMC environments.

The nominal size is measured as the distance from the center of the nut to the working point of the leg, which also defines the effective measurement capacity of the instrument.

Key Features

- Tempered legs precision-formed to purpose — inside or outside configurations
- Large-headed nut and screw with fiber washers for a play-free friction joint
- Rigid setting — no spring tension, no drift once adjusted
- All tips hardened and tempered for extra durability and wear resistance
- Nominal size = distance from nut center to leg point (effective capacity)
- Available up to 40 inches for large-scale industrial applications

MATERIAL	TIP	SIZE RANGE	JOINT TYPE	ORIGIN
High Carbon Steel	Hardened & Tempered	6" – 36"	Firm Friction Joint	India since 1962

TECHNICAL SPECIFICATIONS

Steel Grade	High Carbon Steel — tempered legs
Joint Mechanism	Large-headed nut & screw with fiber washers
Joint Characteristic	Rigid friction joint — no play, no spring
Tips	Hardened & tempered for wear resistance
Size Range	6 inches to 36 inches (up to 40" on request)
Manufactured	India since 1962 • Exported Worldwide

AVAILABLE SIZES — FIRM JOINT CALIPER

PART NO.	SIZE	MM	APPLICATION NOTE
SFJ6	6"	150 mm	General purpose — lathe, CNC & VMC in-process gauging, Wood working , DIY
SFJ8	8"	200 mm	Medium shop, bench & CNC work
SFJ10	10"	250 mm	Tool room, jig & fixture verification
SFJ12	12"	300 mm	Large bore & turned component inspection
SFJ18	18"	450 mm	Heavy fabrication & casting work
SFJ24	24"	600 mm	Structural & heavy engineering
SFJ36	36"	900 mm	Large industrial assemblies & weldments

CONSTRUCTION & MATERIALS

Where spring calipers rely on tension to maintain their setting, the Firm Joint Caliper relies on friction. The screw and nut assembly clamps the legs at the desired angle, and the interposed fiber washers provide just enough resistance to prevent drift without making adjustment difficult.

The result is a caliper especially well-suited to repetitive gauging tasks - whether checking dimensions off a lathe, verifying part tolerances on a CNC turning center or VMC, or inspecting precision components across industries such as automotive, general engineering, and emerging high-precision manufacturing sectors. The setting does not change between parts.

Set It. Trust It. Work with It.