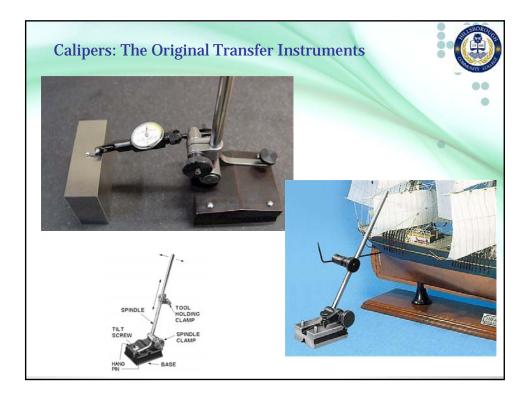




		SLIDE CALIPER
Advantages	1.	Combines rule, inside, and outside calipers in one instrument.
-	2.	Provides positive contact with reference and measured points.
	З.	Substitutes line-to-line for line-to-edge readings.
	4.	Has built-in memory.
Disadvantages	1.	No wear adjustment.
	2.	Subject to misalignment.
	З.	Limited discrimination.
	4.	Cannot caliper inside to outside part features.
JRE 5-54 Althoug	gh slia	le calipers are handy, careful measurement practices must be applie



				METROLOGICAL DATA FOR SCALED INSTRUME				ENTS RELIABILITY		
Instrument	Type of Measurement	Normal Range	Designated Precision	Discrimination	Sensitivity	Linearity	Practical Tolerance for Skilled Measurement	Practical Manufacturing Tolerance	6	
Depth gage: metric decimal-inch fractional-inch	direct direct direct	150 mm 6 in. 6 in.	0.5 mm 0.02 in. 1/64 in.	0.5 mm 0.02 in. 1/64 in.	0.5 mm 0.02 in. 1/64 in.	0.005/mm 0.0003/in. 0.0003/in.	±0.5 mm ±0.02 in. ±1/64 in.	±0.5 mm ±002 in. ±1/64 in.	-	
Combination sets: metric decimal-inch fractional-inch	direct direct direct	150 mm 4 in. 6 in.	0.5 mm 0.01 in. 1/64 in.	0.5 mm 0.01 in. 1/64 in.	0.5 mm 0.01 in. 1/64 in.	0.005/mm 0.0003/in. 0.0003/in.	±0.5 mm ±0.01 in, ±1/64 in,	±0.5 mm ±0.02 in. ±1.32 in.		
Calipers: metric decimal-inch fractional-inch	transfer transfer transfer	150 mm 3 in. 3 in.	none none	none none	0.25 mm 0.005 in. 0.005 in.	none none	±0.5 mm ±0.02 in. ±0.02 in.	±1 mm ±0.08 in. ±0.08 in.		
Slide Calipers: metric decimal-inch fractional-inch	direct direct	130 mm 5 in. 5 in.	0.5 mm 0.01 in. 1/64 in.	0.5 mm 0.01 in. 1/64 in.	0.5 mm 0.01 in. 1/64 in.	0.005/mm 0.0003/in. 0.0003/in.	±0.5 mm ±0.01 in. ±1/64 in.	±0.5 mm ±0.02 in. ±1.32/in.		

的 主要的现在。	RELIABILITY CHECK LIST FOR SCALED INSTRUMENTS
Inspection of	1. Set up periodic system for inspection, depending on use.
Instrument:	Inspect contact surfaces with magnifier for wear or abuse.
	Remove burrs from sliding and contact surfaces.
	4. Compare readings against an instrument of higher precision, greater accuracy, and with known calibration.
	Check all mechanical actions for proper functioning.
	Clean and lubricate internal parts.
	Check alignment against square of known calibration.
Use:	1. Never use a measuring instrument for a hand tool (scraper, chip digger, burring tool, mallet, screwdriver or
	sledge-hammer).
	 Never use beyond intended size range (do not force open).
	Never use beyond discrimination or recommended precision. Keep contact force to a minimum.
	Keep contact force to a minimum. S. Avoid excessive movements causing wear.
	Avoid excessive inovertents causing wear. Clean both part and instrument before using.
	 Clean both part and instrument before using. Substitute mechanical support for hand support whenever possible.
	 Substitute international support of interacting opport whenever possible. Guard against parallax when reading.
	9. Have entire setup rigidly supported.
	10. Do not overtighten anything.
Care:	1. Lubricate instruments before replacing in case.
	Keep away from moisture.
	Do not pile instruments together or with other objects.
	Do not mark tools in any way that interferes with use.
	Do not hesitate to throw away a worn or defective tool.

