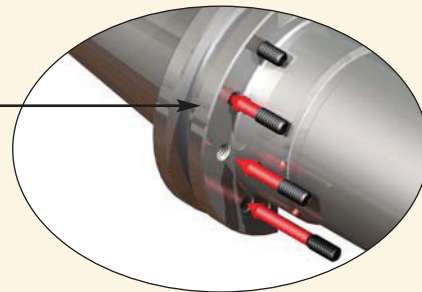
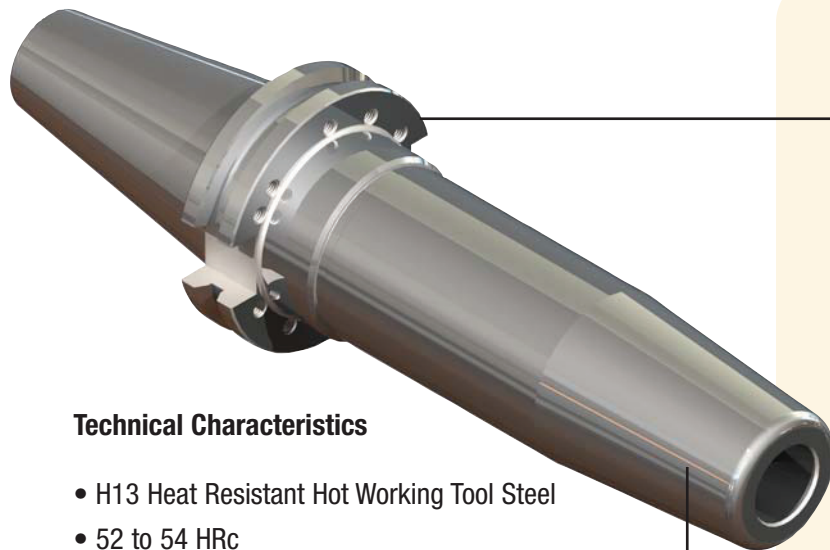


Shrink Fit Holder Features

The Industry's Highest Quality Shrink Fit Line

Our new Shrink Fit holders offer optimal balance and maximum grip characteristics. All our Shrink Fit Holders are made in Japan with the highest quality tool steel ensuring longevity for many heating and shrinking cycles. Symmetrical by design, balanced according to our patented balancing method, our Shrink Fit holders have become ubiquitous for all high precision shrink fit applications.

Our complete line of Shrink Fit holders includes CAT40, CAT50, HSK32E, HSK63A, HSK80F, BT30, 40 and 50, available in different lengths, both inch and metric sizes.

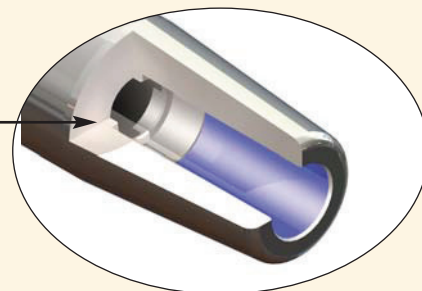


Balancing Screws

- Large tapped balancing set screw PCD gives more set screw location to counterbalance non symmetrical or unbalanced cutters.
- Tapped balancing set screw holes are parallel to the centerline of the holder, ensuring that the set screws will never be ejected from vibration and centrifugal force during high RPM milling applications.

Technical Characteristics

- H13 Heat Resistant Hot Working Tool Steel
- 52 to 54 HRc
- Works excellent on both HSS and Solid Carbide tools
- Pre-balanced and balanceable up to 40,000 RPM



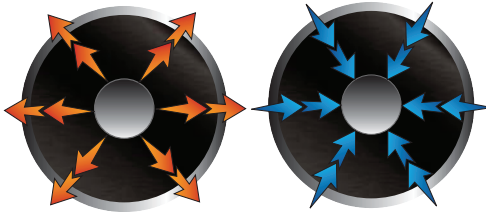
Bore Grind

- Bore grind is 10% longer than other manufacturers shrink fit holders, providing more surface area of contact. This results in stronger gripping strength and better TIR.

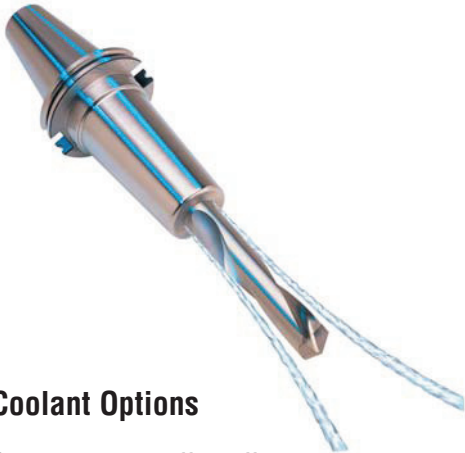
Taper Type	G-Grade RPM	Taper Type	G-Grade RPM
CAT40	G2.5	HSK32E	G6.3
	24,000RPM		42,000RPM
CAT50	G2.5	HSK40E	G6.3
	15,000RPM		42,000RPM
BT30	G2.5	HSK63A	G2.5
	24,000RPM		24,000RPM
BT40	G2.5	HSK100A	G2.5
	24,000RPM		15,000RPM
BT50	G2.5	HSK63F	G2.5
	15,000RPM		33,000RPM
		HSK80F	G2.5
			33,000RPM

Shrink Fit Holder Features

Long Term Reliability



Our shrink Fit System gives consistent and highly repeatable results. This repeatability allows for extreme accuracy, rigidity and balance. Our uniform and superior gripping on the tool shank provides the best torque and force capability compared to other manufacturers.



Coolant Options

Our toolholders offer different coolant-thru options which provide coolant directly to the cutting edge. This will extend cutting tool life and increase hole accuracy. Lateral coolant ports can be added to the bore to direct coolant down the flutes of the cutting tool and onto the cutting edge.

Straight Shank Shrink Fit Holder



Patented Balancing Method

Lyndex-Nikken HSBalance toolholder employs a series of tapped holes surrounding the holder's centerline. Small set screws and weights are used to achieve balance. The holes are drilled parallel (not perpendicular) to the holder's centerline so the inserted set screws are not depth sensitive. A deeper setting will not affect the weight distribution.



Parallel holes offer an additional advantage: set screws cannot become unscrewed and back out during high-speed operations, so they need not be affixed semi-permanently.

