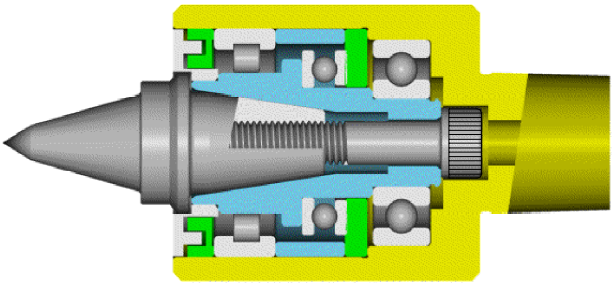
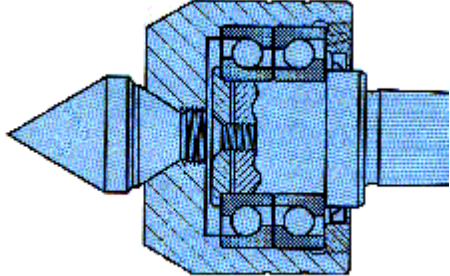
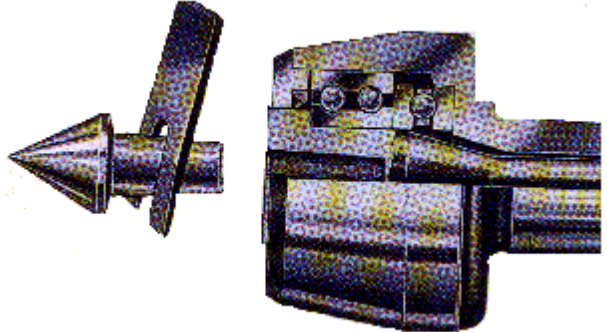


## ADVANTAGES OF PRASHTECH SYSTEM OVER COMPETITORS

<b>PRASHTECH™</b>	COMPETITOR I	COMPETITOR II
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### TIP FITTING MECHANISMS

		
<p>This mechanism incorporates Draw Bolt that secures any PRASHTECH TIP into corresponding SLEEVE. Shank of Tip and SLEEVE are both precisely taper ground for maximum contact area with total interchangeability for future use of spare PRASHTECH TIPS. The preloading of Bolt enhances stiffness of the arrangement, thus reduces 'On-load' deflections and hence one gets controlled 'On-load' run-out (TIR).</p>	<p>This mechanism employs threads at the end of shank of TIP for fitting. Preloading is not achieved. Short engagement length compared to TIP overhang and absence of preloading may lead to excessive tip deflections and hence higher 'On-load' run-out (TIR).</p> <p>In such mechanisms TIR is guaranteed only for those TIPS, which are ground on Center. Interchangeability does not guarantee TIR.</p>	<p>In this mechanism, spare TIP has a taper shank of self-locking type. TIP gets locked inside taper ground bore of SLEEVE just by insertion. TIP retention is due to frictional forces between the two surfaces. Here, because of smaller gauge plane diameter of TIP's taper shank, load carrying capacity of the unit is much less. With such mechanism TIR specified by manufacturer is not as close as PRASHTECH.</p>

To summarize, both Competitors' mechanisms permit use of such Centers for Tool Room type applications only, where versatility takes precedence over very high load conditions. Whereas PRASHTECH Centers having TIP replacement facility are designed with above shown mechanism for versatility combined with much higher load carrying capacities. Hence PRASHTECH Centers are compatible to CNC machines' operating parameters.

**Source:** Published data and product literature.