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In recent work, Cholak, Dzhafarov, Hirst and Slaman showed that for $n \geq 3$, every Mathias n -generic computes a Cohen n -generic. It is natural to wonder how other types of generic objects compare to one another. We consider generics for an effective version of Hechler forcing. Adapting a method developed by Cholak, Dzhafarov, and Soskova, we show that for $n \geq 3$, every Mathias n -generic computes a Hechler n -generic, and every Hechler n -generic computes a Mathias n -generic. Finally, we explore the (open) question of whether, for $n \geq 3$, the Mathias n -generics and the Hechler n -generics occupy exactly the same Turing degrees. (Received August 20, 2016)