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)