

Reaction Forming a Stair-Rod Dislocation

The following sequence of pictures (taken from "[Read and Hull](#)") shows the formation of a Lomer-Cottrell dislocation.

- Two perfect dislocations on different $\{111\}$ planes split into **Shockley partials**, move until they meet, and react. The end end product of the reaction is a **stair-rod dislocation** with a **Lomer-Cottrell dislocation** at its apex.

Illustration

