

Section Views

Mechanical Engineering

Six ways to cut a part open, and what each one is for.

Show the cutting plane on the parent view and label both ends.

Type	How it cuts	Use for
Full	Straight through the part	Most internal detail
Half	Half cut, half outside	Symmetric parts
Offset	Stepped cutting plane	Features off one line
Revolved	Turned in place	Ribs, spokes and arms
Broken out	A local cut only	One small feature
Removed	Drawn away from the part	Repeated cross-sections

Ribs and webs cut lengthwise are conventionally left unhatched, so they do not read as solid material.