

Pedicle screw pull-out strength is determined in part by the major **screw** diameter which should be 70–80% of **pedicle** diameter (in adults, larger screws can break through the **pedicle wall** or can burst the pedicle; in peds, larger screws may be used as the pedicle can expand). The minor diameter determines the strength of the screw and should be ≥ 5.5 mm in the adult **lumbar spine**.

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