

Projecting a marker onto a line

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There are many cases in which it is convenient to project a marker onto a line. One particularly useful scenario is to project a marker placed laterally on the shoulder at the level of the humeral head onto a line passing vertically through a marker on the acromium.

To create the landmark, switch to Model Builder mode and click on **Add a New Landmark**.

Create Marker_Projected: 1. Click Landmarks button 2. Click Add New Landmark button 3. Create Landmark: <i>Marker_Projected</i>	Landmark Name: <i>Marker_Projected</i> Define Orientation Using: Starting Point: <i>Marker1</i> Ending Point: <i>Marker2</i> Lateral Object: <i>LEAVE BLANK</i> Project From: <i>Marker3</i>	4. Do NOT Check: <i>Offset by Percent (1.0 = 100%)</i> 5. Check: <i>Calibration Only Landmark</i>
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This will create a marker that lies along the vector from Marker 1 to Marker 2.

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