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| Item | Marker Name | Marker Abbreviation | Marker Segment | Use in Kinematics | Description of Placement |
| 1 | Toe | TOE | Foot | No | Tip of big toe |
| 2 | Fifth Metacarpal | MT5 | Foot | Yes | Prominence on lateral side of foot |
| 3 | Heel | CAL | Foot | Yes | Posterior end of calcaneus |
| 4 | Medial Malleolus | MML | Shank | Yes | Medial prominence on ankle |
| 5 | Lateral Malleolus | LML | Shank | Yes | Lateral prominence on ankle |
| 6 | Arbitrary Shank | ASH | Shank | No | Anterior side of shank |
| 7 | Fibular Head | FIB | Shank | Yes | Lateral prominence on upper shank |
| 8 | Lateral Femoral Condyle | LFC | Thigh | Yes | Lateral prominence on lower thigh |
| 9 | Arbitrary Thigh | IAT | Thigh | Yes | Inferior side of thigh (top of knee) |
| 10 | Arbitrary Thigh | LAT | Thigh | No | Lateral side of thigh (In the middle of thigh) |
| 11 | Arbitrary Thigh | SAT | Thigh | No | Superior side of thigh. |
| 12 | Anterior Superior Iliac Spine | ASI | Pelvis | Yes | Anterior prominence of Iliac crest |
| 13 | Posterior Superior Iliac Spine | PSI | Pelvis | Yes | Posterior prominence of Iliac crest |
| 14 | Acromion | ACR | Torso | Yes | Superior prominence on lateral shoulder |
| 15 | Cervical vertebrae 7 | CEV7 | Torso | Yes | Posterior prominence on neck |
| 16 | Clavicle | CLAV | Torso | Yes | Superior end of sternum |
| 17 | Arbitrary Left Back | ABK | Torso | No | Arbitrary back |
| 18 | Arbitrary arm | SAA | Upper Arm | No | Superior side of arm (anterior) |
| 19 | Arbitrary arm | IAA | Upper Arm | No | Inferior side of arm (latral) |
| 20 | Lateral Humeral Epicondyle | LHE | Upper Arm | Yes | Lateral prominence on elbow |
| 21 | Medial Humeral Epicondyle | MHE | Upper Arm | Yes | Medial prominence on elbow |
| 22 | Radial Styloid Process | RSP | Forearm | Yes | Lateral prominence on wrist |
| 23 | Ulnar Styloid Process | USP | Forearm | Yes | Medial prominence on wrist |
| 24 | Ulnar Head | UHD | Forearm | Yes | Tip of elbow |
| Virtual Markers | | | | | |
| 25 | Virtual Shoulder Joint Center | SJC | Upper Arm | No | Scara with functional movement |
| 26 | Virtual Hip Joint Center | HJC | Pelvis | No | Scara with functional movement |

46 Markers + 4 virtual markers



  





