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Spinal Screw



Legend : Pictured here is a spinal screw which is use to join broken or fractured pieces of the spine.

A spinal fixation device (such as a spinal screw) is one in which sleeves or spacers are placed over or around [spinal rods](#) in order to obtain better reduction of spinal [fractures](#) or spinal deformities. The sleeves can be made in various thicknesses so that the [surgeon](#) can obtain optimum fixation in each case. The sleeves can be made of any biologically compatible material.

A spinal fixation device is a resorbable interbody fusion device for use in spinal fixation. The device is composed of 25-100% bioresorbable or resorbable material. The interbody fusion device can be in any convenient form, such as a wedge, screw or cage. Preferably, the resorbable component of the invention is in the shape of a tapered wedge or cone, which further desirably incorporates structural features such as serrations or threads so as to better anchor the device in the adjoining [vertebrae](#). The preferred device further comprises a plurality of peripheral voids and more desirably a central void space therein, which may desirably be filled with [agrafting](#) material for facilitating bony development and/or [spinal fusion](#), such as an autologous grafting material.

[Obtained in part from http://en.wikipedia.org/wiki/Spinal_Fixation_Devices-students/learners can click on this to read more]