

Table 1 Material properties of the seven pelvic ligaments

Ligament name	Spring stiffness (N/mm)	Attachment area (mm ²)	Number of units
1 sacroiliac ligament	5000	1391	525
2 sacrospinous ligament (SSL)	1500	112	12
3 sacrotuberous ligament (STL)	1500	539	56
4 iliolumbar ligament	1000	506	50
5 inguinal ligament	250	45	9
6 superior pubic ligament	500	97	10
7 arcuate pubic ligament	500	156	15