

Date: 08-04-2021, Sialkot

To whom it may concern

We Falcon Surgical Co (Pvt) Ltd, Sialkot, Pakistan, here by confirm that we use following medical grade raw materials for manufacturing all type of instruments

STAINLESS STEEL TYPE AISI 304
STAINLESS STEEL TYPE AISI 316L
STAINLESS STEEL TYPE AISI 410
STAINLESS STEEL TYPE AISI 420 & 440

STAINLESS STEEL TYPE AISI 304 This material is easy to machine and form. Instruments or components that do not need to be hardened, such as speculums, retractor blades, hollow handles, hospital hollow wares, nuts, screws and pins etc, are usually made from this grade.

STAINLESS STEEL TYPE AISI 316L It is a very high purity alloy. 'L' stands for low carbon. It is also called SMO. It is a preferred material for making most orthopaedic implants, such as plates and screws, nails, staples, prostheses and aneurysm clips etc. Certain instruments that have prolonged contact with implants also utilize this material to avoid transfer of dissimilar metal particles which could cause galvanic corrosion reaction on the implants. It is however important to know that metal implants and prostheses can sooner or later fail since no metal has yet been developed that will equal the revitalizing durability of living bone.

STAINLESS STEEL TYPE AISI 410 This is a most commonly used grade for the manufacture of non-cutting instruments. Typical examples are hemostats, assorted forceps, retractors and so on. It is easy to work with and has Rockwell Hardness in the range of C-40 to C-45. It is a misconception that this grade is inferior in any way as it clearly complies with the British, German and International Standards for application in surgical instruments.

STAINLESS STEEL TYPE AISI 420 & 440 These are useful grades for cutting instruments such as scissors, knives, chisels, ronguers, bone cutters, bone drills and taps etc. AISI 420 can get Rockwell Hardness in the range of C-48 to C-50 but if hardness around C-55 is required then grade AISI 440 with more carbon is appropriate.

Authorised signature

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