

Kuang Tai Medical Products



Kuang Tai Metal Industry Ltd.

Materials and Applications



Material	Nitinol alloy	Stainless Steel						Unalloyed Commercially Pure (CP) Titanium			
Type	Nitinol#1	Type 304V	Type 316 LVM	Type 302	17-4PH (630)	17-7PH (631)	MP35N	CP Ti Gr1	CP Ti Gr2	CP Ti Gr3	CP Ti Gr4
Medical application	•Orthodontic wire	<ul style="list-style-type: none"> •Dental implant •Implants •Mini Implants •Abutments •Cover Screws •Impression Copings •Analogues •Drills •Instruments •Guide Pins 						<ul style="list-style-type: none"> •Orthopaedic •Needles •Pacing leads •Woven wire mesh •Sutures •Ligature clips •Orthodontic appliances •Eye glass frames 			
		<p style="text-align: center;">Orthopaedic industry</p> <ul style="list-style-type: none"> •Fracture Fixation •Spinal Devices •Cerclage Cab+J1les •Bone Screws •Bone Pins •Nails •Custom Assemblies •Instruments •Guide Rods •Spinal Rods •Reamer Rods •Suture Wire 									



Products

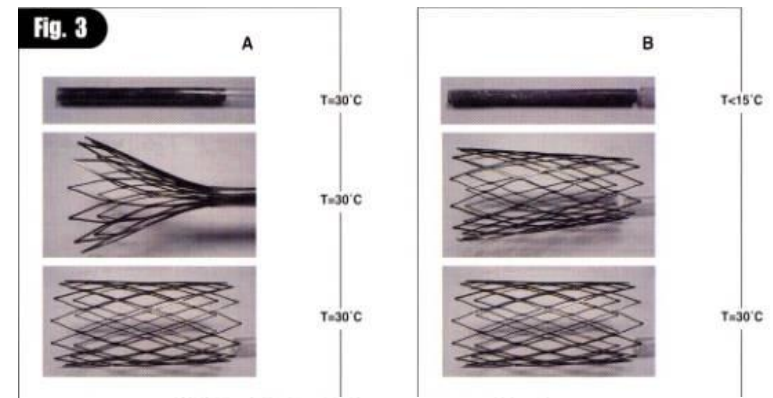
- SS304V is the most popular wire
 - V, VM or VAR stands for Vacuum Arc Remelted
 - Process which yields a more uniform chemistry with minimal voids and contaminants
 - Tensile is typically spring temper per **ASTM A313**
 - Finish is very clean
 - Diamond drawn dies
 - Very low RMS
 - Sizes are .0015" and up
 - Packaging is DIN Spools



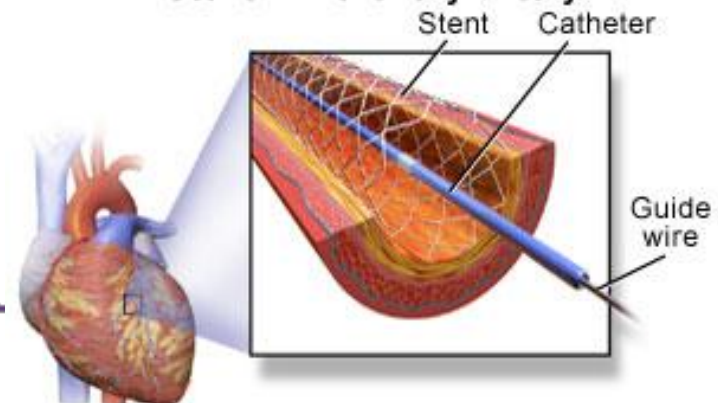
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Other Products

- Nitinol is used for shape memory & elasticity
 - the ability of the material to return to it's original shape after being subjected to stresses.
- MP35N
- Titanium
- Platinum – fluoroscopic
- Copper Beryllium



Stent in Coronary Artery



Coronary artery : 冠狀動脈

Stent : 血管支架

Catheter : 導線

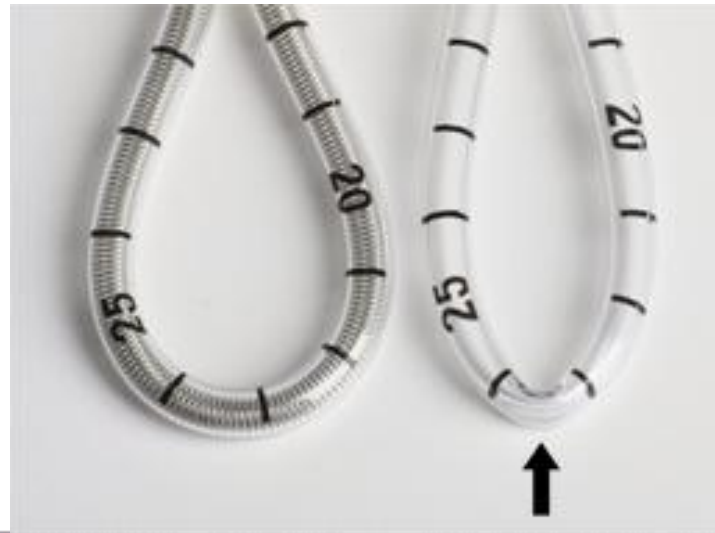
Guide wire : 導管



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Catheters with SS304V

- A coil-reinforced medical catheter includes an elongated tubular outer wall reinforced by an internal helical coil spring.
- Coil-reinforced catheter tubes are engineered to deliver the firmness needed for insertion, while providing resistance to kinking or collapsing, yet still maintaining flexibility and pliability.



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Catheter Braiding Wire(Round)

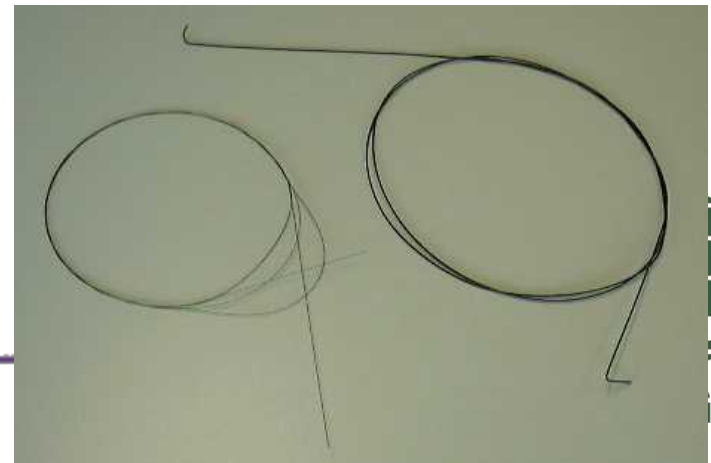
- Sizes: .0005" to .004"
- Material: 304V(Most popular), 316LVM, MP35N, Copper, Beryllium Copper, Tungsten
- Temper: Spring (Most popular) and Annealed
- Finish: Very clean, no contaminates, perfect level
- Package: Bobbins(Steeger or New England)



Guide Wire



- Process: Wire either coiled similar to a spring or used as level(straightened wire)
- Sizes: .004" to .040" and .004x.010" and larger
- Material: 304V(Most popular), Nitinol, Platinum, Pallium, MP35N
- Temper: Spring or Super Elastic(Nitinol)
- Finish: VERY VERY clean, no contaminates
- Package: various Din Spools ranging from DIN80's to DIN355



Surgical Staple Wire



- Sizes: .020" to .030"
- Material: 316LVM, Titanium(more corrosive resistant)
- Temper: typically 140-160 KPSI
- Finish: VERY VERY clean
- Package: DIN200 and 250 (10 to 20 lb spools)



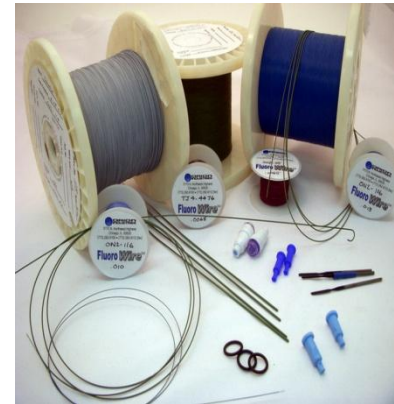
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Mandrel Wire



- Sizes: .020" to .187"
- Material: SS304, SS304V, SS316, 17-7, 17-4
- Temper: Spring
- Finish: Typically Centerless ground
- Package: spools, coils or S&C



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