



unimed

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# INFORMATION SHEET

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SUBJECT	MATERIALS	SHEET #	MATIERES.FIE
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Material			Use						Manufacturing							Assembling				Resistance	
Type	Reference	Equivalency	Cannula (tube)	Stylet (wire)	Hub	Handle	Adaptor	Stopcock	Turing, drilling, milling	Grinding	Laser cutting	Electro erosion machining	Shaping	Polishing	Laser marking	Bonding	Press fit	Soldering	Laser welding Plasma	Corrosion	Biocompatibility
Austenitic stainless steel	AISI 302	1.4310 (X10CrNi18-8) S30200		✓					--	++	+	++	+	++	++	+	-	+	+	+	++
	AISI 303	1.4305 (X8CrNiS18-9) S30300		✓*	✓	✓	✓	✓	++	-	+	+	++	+	++	+	-	+	+	+	++
	AISI 304	1.4301 (X5CrNi18-10) S30400	✓	✓					-	+	++	++	+	++	++	+	-	+	+	+	++
	AISI 316L	1.4404 (X2CrNiMo17-12-2) 1.4435 (X2CrNiMo18-14-3) S31603	✓	✓	✓	✓	✓	✓	-	+	++	++	++	+	++	+	-	+	++	++	++
	AISI 316LS	1.4598 → 1.4404 +S +Cu (X2CrNiMo17-10-2+S+Cu)			✓	✓	✓	✓	+	-	+	+	++	+	++	+	-	+	+	++	++
	AISI 316LVM	1.4441 (X2CrNiMo18-15-3) S31673	✓	✓					--	++	++	++	+	+	++	+	-	+	++	++	++
	AISI 316Ti	1.4571 (X6CrNiMoTi17-12-2) S31635	✓						-	+	+	+	+	+	++	+	-	+	+	++	++
Brass	CW614N C38500	2.0401 (CuZn39Pb3)			✓	✓	✓	✓	++	-	N/A	+	+	++	-	+	+	++	N/A	-	-

Legend:

✓ : Appropriate

++ : Excellent

+ : Good

- : Not suggested

-- : Bad

All this information are for reference only. They have no legal or contractual commitment Unimed SA.

\*The use of AISI 303 for mandrel with tip should be avoided due to its limited hardness value.

04.08.2022	Page 1/1
FST	