

COBALT-CHROMIUM

L605 a great material for stents

- Twice the strength of stainless steel with the same ductility
- Translates into thinner struts, improved deliverability
- Enhanced radio visibility thanks to its tungsten content
- Exceptional work hardening rate for a uniform expansion with minimal recoil

Type analysis: Cobalt 51% - Chromium 20% - Tungsten 15% - Nickel 10%

Standards: UNS R30605, AISI 670, W.Nr2.4964, ASTM F90 and ISO 5832-5

Typical Mechanical properties	<u>UTS / Ksi</u>	<u>Yield / Ksi</u>	<u>Elongation %</u>
Annealed	160	80	45
Cold Worked 30%	210	150	5

These properties can be tuned to achieve specific requirements such as very small grain size or greater elongation.

MP35N

- An excellent combination of strength, ductility and corrosion resistance
- In the annealed condition, 50% stronger than stainless steel for a similar ductility
- Ultrahigh tensile properties achievable through cold work and aging

Type analysis: Nickel 35% - Cobalt 35% - Chromium 20% - Molybdenum 10%

Standards: UNS R 30035, ASTM F 562 and ISO 5832-6

Typical Mechanical properties	<u>UTS / Ksi</u>	<u>Yield / Ksi</u>	<u>Elongation %</u>
Annealed	135	70	50
Cold Worked and aged	250	220	3

Phynox / Elgiloy / Conichrome

- Outstanding combination of mechanical strength, corrosion and fatigue resistance
- Material of choice when high stiffness or spring effects are sought.

Type analysis: Cobalt 40% - Chromium 20% - Nickel 16% - Iron 15% - Molybdenum 7%

Standards: ASTM F 1058, ISO 5832-7

Typical Mechanical properties	<u>UTS / Ksi</u>	<u>Yield / Ksi</u>	<u>Elongation %</u>
Annealed	140	65	55
Spring temper	250	225	5

MINITUBES

Phone: +33 456 58 58 56
Fax: +33 456 58 58 60
info@minitubes.com
www.minitubes.com