

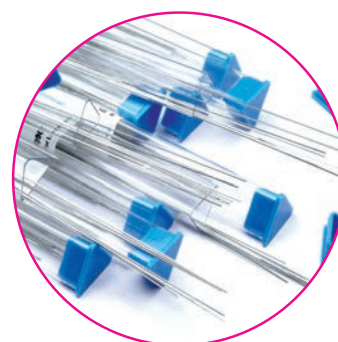
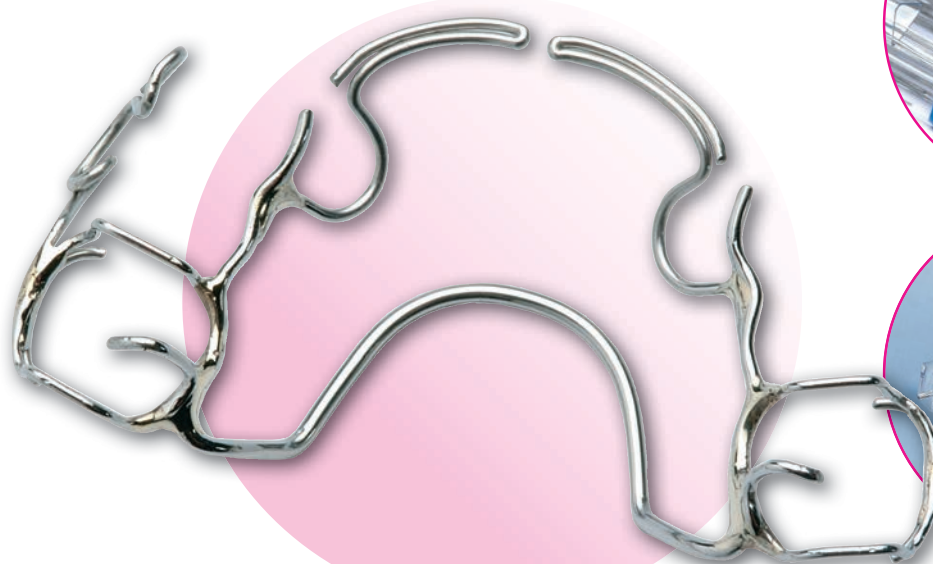
Leone orthodontic wires are available in a range of alloys and different grades of elasticity and hardness to meet any therapeutic requirements. The mechanical properties of the wires are constantly checked to ensure consistent quality.

All Leone wires are supplied in a practical packaging either in rolls or in straight wire sections.

The range includes laboratory wires made of stainless steel, chromium cobalt alloy, which can be heat-treated, and **BIOSTEEL®** with a low nickel content.

The numerous forms of archwires available are manufactured from various alloys:

- stainless steel with different mechanical properties to meet all orthodontic requirements;
- nickel titanium alloy, available as **MEMORIA®**, **THERMOMEMORIA®** and **MEMORIA® NATURA®**, releasing gentle but constant forces, it can be formed into a large variety of shapes;
- nickel-free titanium molybdenum alloy, available as Beta **MEMORIA®**, featuring exceptional pliability and elasticity as well as low friction.



The Leone packages for wires feature a special accurate design.

Clasp and Crozat wires are packaged in anti-rolling coiled spools while straight wires are packaged in triangular shaped tubes to prevent rolling out from the table.

All Leone archwires are packaged in little envelopes that clearly show the part number, the dimensions, the product features and the lot number.



CLASP WIRE

LEOWIRE® ROUND SPRING HARD WIRE

Chromium stainless steel alloy.
Diamond drawn to obtain highly resistant and stainless levelled surfaces. Suitable for all orthodontic applications.

BIOSTEEL® ROUND SPRING HARD WIRE LOW NICKEL CONTENT

Stainless steel alloy purposely made to prevent any nickel allergic reactions (Cr 18%, Mn 18%, Mo 2%, N 1%, Ni 0,2%, balance Fe).
Suitable for all orthodontic applications.

standard spool

∅		LEOWIRE® spring hard	BIOSTEEL® spring hard	
mm	inch	1800/2000 N/mm²	1800/2000 N/mm²	m
0,5	.020	C0400-05		50
0,6	.024	C0400-06	C0401-06	40
0,7	.028	C0400-07	C0401-07	25
0,8	.032	C0400-08	C0401-08	20
0,9	.036	C0400-09	C0401-09	10
1,0	.040	C0400-10	C0401-10	10
1,1	.044	C0400-11		10
1,2	.048	C0400-12		10
1,3	.052	C0400-13		10
1,4	.055	C0400-14		8

laboratory roll

LEOWIRE® spring hard	BIOSTEEL® spring hard	
1800/2000 N/mm²	1800/2000 N/mm²	g
C0450-05		
C0450-06	C0451-06	
C0450-07	C0451-07	
C0450-08	C0451-08	
C0450-09	C0451-09	500
C0450-10	C0451-10	
C0450-11		
C0450-12		
C0450-13		
C0450-14		

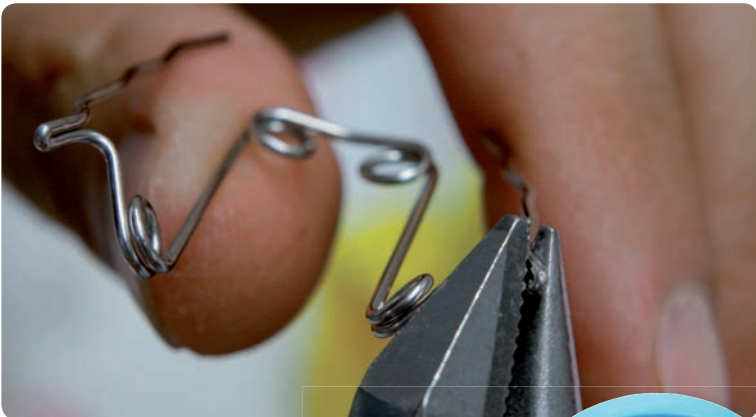


In our Centre for Biotechnological Research “Marco Pozzi”, the Shimadzu micro hardness tester and the Instron testing machine are used for the verification of the mechanical properties of the wires.



CHROMIUM-COBALT WIRE

Heat-treatable chromium cobalt alloy, stainless and tough. Its tensile strength allows clasps, even difficult ones to be easily shaped, without breakage. It is self tempering during soldering or heating at 450° C. Necessary for any Crozat wire technique.



Ø		hard heat-treatable		pkg.
mm	inch	1350/1500 N/mm ²	m	g
0,6	.024	C0410-06	30	70
0,7	.028	C0410-07	22	
0,8	.032	C0410-08	17	
0,9	.036	C0410-09	13	
1,0	.040	C0410-10	11	
1,1	.044	C0410-11	9	
1,2	.048	C0410-12	8	
1,3	.052	C0410-13	6	

