



User instructions

WIPLA® wire



Fe/Cr/Ni based dental wire for orthodontic objects.



Made in Holland



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WIPLA is a colour-fast and mouth-resistant wire whose specific characteristics provide considerable advantages when fabricating orthodontic objects. The tremendous variety in wire shapes means that there is a suitable solution for almost any application.

Rx only

WIPLA wire – round, soft

Art.nr.				
6100104025	0.25 mm	75 m	Fe=67.0, Cr=17.0, Ni=12.0,	
6100104030	0.30 mm	70 m	Mo=2.0, Rest Mn, Si	
6100104035	0.35 mm	65 m	Density	7.8 g/cm ³
6100104040	0.40 mm	60 m	Vickershardness	HV5 180
6100104050	0.50 mm	50 m	Elongation	55%
6100104060	0.60 mm	40 m	Rp-0.2	350 MPa
6100104070	0.70 mm	30 m	F max.	700 MPa
6100104080	0.80 mm	20 m	E-module	100 GPa
6100104090	0.90 mm	10 m		
6100104100	1.00 mm	10 m		
6100104110	1.10 mm	9 m		
6100104120	1.20 mm	8 m		
6100104130	1.30 mm	8 m		
6100104150	1.50 mm	10 m		

WIPLA wire – round, hard

Art.nr.				
6100106030	0.30 mm	70 m	Fe=72.0, Cr=18.0, Ni=8.0,	
6100106050	0.50 mm	50 m	Rest Mo, Mn, Si	
6100106060	0.60 mm	40 m	Density	7.8 g/cm ³
6100106070	0.70 mm	30 m	Vickershardness	HV5 450
6100106080	0.80 mm	20 m	Elongation	2%
6100106090	0.90 mm	10 m	Rp-0.2	1350 MPa
6100106100	1.00 mm	10 m	F max.	1450 MPa
6100106120	1.20 mm	8 m	E-module	200 GPa
6100106150	1.50 mm	10 m		

WIPLA wire – round, spring temper

Art.nr.				
6100108030	0.30 mm	70 m	Fe=72.0, Cr=18.0, Ni=8.0,	
6100108040	0.40 mm	60 m	Rest Mo, Mn, Si	
6100108050	0.50 mm	50 m	Density	7.8 g/cm ³
6100108060	0.60 mm	40 m	Vickershardness	HV5 530
6100108070	0.70 mm	30 m	Elongation	1%
6100108080	0.80 mm	20 m	Rp-0.2	2000 MPa
6100108090	0.90 mm	10 m	F max.	2100 MPa
6100108100	1.00 mm	10 m	E-module	230 GPa
6100108110	1.10 mm	9 m		
6100108120	1.20 mm	8 m		
6100108130	1.30 mm	8 m		

WIPLA wire – half-round, hard

Art.nr.				
6100112065	0.65 x 1.30 mm	10 m	Fe=72.0, Cr=18.0, Ni=8.0,	
6100112075	0.75 x 1.50 mm	9 m	Rest Mo, Mn, Si	
6100112087	0.87 x 1.75 mm	8 m	Density	7.8 g/cm ³
6100112100	1.00 x 2.00 mm	10 m	Vickershardness	HV5 450
6100112150	1.50 x 3.00 mm	10 m	Elongation	2%
			Rp-0.2	1350 MPa
			F max.	1450 MPa
			E-module	200 GPa

WIPLA wire – oval, hard

Art.nr.		
6100116140	1.40 x 2.50 mm	10 m
6100116150	1.50 x 3.00 mm	10 m

Indication:

WIPLA is a colour-fast and mouth-resistant Fe/Cr/Ni based wire whose specific characteristics provide considerable advantages when fabricating orthodontic objects.

Contraindications:

WIPLA wire contains nickel. It should not be used by or for people with a known Nickel allergy, or with an allergy or sensitivity to one of the other components. Consult the MSDS for more information.

WIPLA wire is not suitable for casting channels.

WIPLA wire cannot be used for casting.

If the object is expected to require soldering, we recommend using WIPTAM wire.

Adverse effects:

In exceptional cases, certain components of the alloy may cause an allergic reaction or sick feeling due to electrochemical processes.

Interactions:

In exceptional cases, occlusal or approximal contact with different alloys may cause a sick feeling due to electrochemical processes.

Using WIPLA

Bend the wire into the desired shape as usual. Only use smooth tools and pliers. Sharp-edged tools or pliers with rough beaks may create grooves, which are potential weak spots.