

FERD. WAGNER PROFILE
PROFILES FOR THE OPTICAL INDUSTRY

ZAPP



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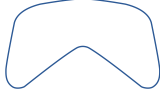
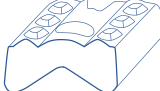





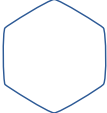

05 BEST OF

General information
At a glance

06 ADDRESSES

DIFFERENT TYPES OF PROFILES

PROFILES

Types of profiles	Cross section	Particularity of the profile	Applications	Shapes
Logo profile	1.2 – 4.0 mm ²	Only in connection with nylon	Half rim frame	
T-shaped profile	0.7 – 4.0 mm ²	Without nylon	Half rim frame	
Eye wire	0.4 – 5.0 mm ²	With / without pattern	Full rim frame	
Patterned profile	0.5 – 5.0 mm ²	Profile with pattern or writing	Full rim frame	
Triangular profile	2.0 – 6.0 mm ²	Possibilities of cutting operations	Full rim frame	
U-profile	1.0 – 5.0 mm ²	For all lens' angles	Full rim frame	
Closing block profile	1.4 – 15.0 mm ²	With / without adaption	Closing block	
Hinge profile	5.0 – 12 mm ²		Hinges	
Octagonal profile	0.5 – 10.0 mm ²	-	Screws and decoration parts	
Hexagonal profile	0.5 – 10.0 mm ²	-	Screws and decoration parts	
Flat rolled and rectangular profile	0.02 – 12.0 mm ²	-	Decoration parts, temples, front bars	

As a specialist for the manufacture of profiles we are capable to produce special shapes in conformity with your enquiry. Cross section max. 18 mm².

EXCERPT FROM OUR RANGE OF MATERIALS

ZAPP IS CERTIFIED TO ISO 9001

RANGE OF MATERIALS

Material	DIN No.	Chemical composition
Brass alloys		
CuZn37	2.0321	Cu63Zn37
CuZn15	2.0240	Cu85Zn15
Bronze alloys		
CuSn6	2.1020	Cu94Sn6
CuSn8	2.1030	Cu92Sn8
Copper based materials		
CuNi12Zn24	2.0730	Cu64Ni12Zn24
CuNi18Zn20	2.0740	Cu62Ni18Zn20
Nickel based materials		
CuNi40Mn5	Not standardized	Ni40Mn5Fe5Cr2, Rest Cu
NiCu30Fe	2.4360	Ni67Cu30Fe2Mn1
NiCr11	Not standardized	Ni88Cr11Mn1
Heat treatable alloys		
CuNi9Sn6	Not standardized	Cu85Ni9Sn6
CuNi11Sn6	Not standardized	Ni11Sn6Mn0.3, Rest Cu
CuNi13Sn8	Not standardized	Cu79Ni13Sn8

EXCERPT FROM OUR RANGE OF MATERIALS

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RANGE OF MATERIALS

Material	DIN No.	Chemical composition
Stainless steel		
X8CrMnN18-18	1.3816	Cr17.5-19, Mn17.5-19, N 0.5-0.65, Si<1, C<0.1
X6Cr17	1.4016	Cr16-18, Mn≤1, Si≤1, C≤0.08, Ni0.75
X20Cr13	1.4021	Cr12-14, Mn≤1.5, Si≤1, C 0.16-0.25
X6CrMo17-1	1.4113	Cr16-18, Mn≤1, Si≤1, Mo0.9-1.3, C≤0.08
X5CrNi18-12	1.4303	Cr17-19, Ni11-13, Mn≤2, Si≤1, C≤0.06
X8CrNiS18-9	1.4305	Cr17-19, Ni8-10, Mn≤2, Si≤1, Cu≤1, C<0.1
X12CrNi17-7	1.4310	Cr16-19, Ni6-9.5, Mn≤2, Si≤2, Mo≤0.08, C 0.05-0.15
X2CrNiMo17-12-2	1.4404	Cr16.5-18.5, Ni10-13, Mn≤2, Si≤1, Mo2-2.5, C≤0.03
X2CrNiMo18-14-3	1.4435	Cr17-19, Ni12.5-15, Mn≤2, Si≤1, Mo2.5-3, C≤0.03
X8CrMnN18-18-2	1.4456	Cr16-20, Ni≤0.3, Mn16-20, Si≤1, Mo1.8-2.5, C<0.7-1.0
Pure titanium and titanium alloys		
Titanium Grade 2	3.7035	Fe0.25, O 0.18, N0.03, C 0.08, H0.013, Rest Ti
Ti3Al2.5V	3.7195	Al2.5-3.5, V2.0-3.0, Fe≤0.3, O≤0.12 N≤0.02, C≤0.05, H≤0.015, Rest Ti
Beta Titanium 15.333	Not standardized	Al2.5-3.5, V 14-16, Fe max. 2.5 O max. 1.3, Cr2.5-3.5, Sn2.5-3.5, Rest Ti

Gold and silver alloys

Furthermore we supply a big number of gold and silver alloys for the jewelry. We are always at your disposal to supply you profiles in materials not listed above.

PROFILES OPTICS

MORE THAN 4000 PROFILES CREATE A PROFILE – WORLDWIDE

Perfect surfaces in the specified shape, patterned profiles or profiles with your own unique design, we guarantee you an optimum result by using our proven “Superfinish” process. With the highest dimensional consistency and precise shape accuracy throughout the total length of the wire, we ensure you the perfect quality necessary for your manufacturing process and finished product.

With a range of more than 4000 different profile shapes, you can select the optimum solution for your ideas. Having FERD. WAGNER PROFILE as your manufacturing partner, you can be certain that all of our products are engineered to provide total integration of all material parameters. But there is even more to Zapp Precision Metals GmbH, FERD. WAGNER PROFILE. The shortest delivery time and prompt, efficient order processing are possible with our significant inventory and our highly trained, knowledgeable staff.

As an additional convenience, we offer our Express Service Program, an inventory of our most important and popular profiles ready for immediate shipment. With Express Service Program, an inventory of our most important and popular profiles ready for immediate shipment. With Express Service, we are able to deliver to our customers worldwide in the shortest possible lead time.

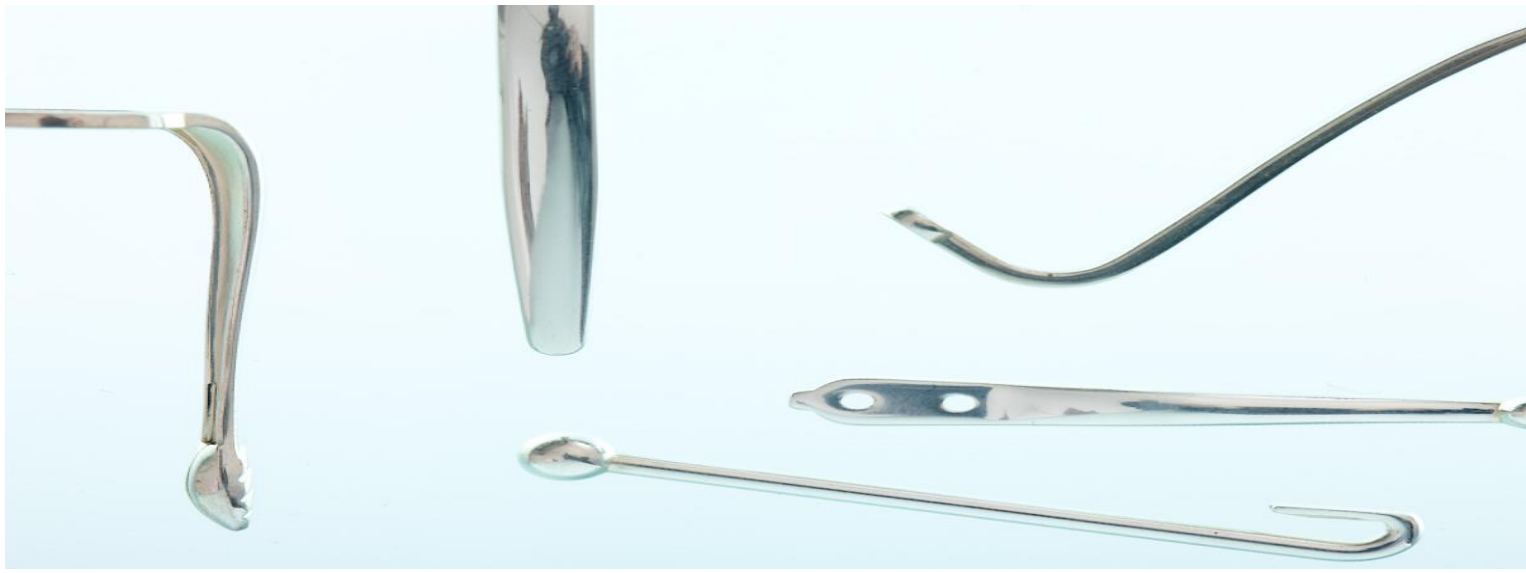
Would you like to test our quality and service? Just give us a call and our staff and tremendous stock will be at your disposal.

AT A GLANCE

- _ The widest range of materials
- _ Narrow tolerances and compliance of the radius
- _ Specifications for tensile strength and hardness values are guaranteed through the production quantity
- _ Optimum surface quality – Superfinish – reduces your polishing times and costs
- _ Patterned profiles or your own logo designs supplement our wide product range
- _ Extensive inventory of raw materials allows the shortest lead times of most materials
- _ The most popular profiles are available from our Express Stock Program

DELIVERIES

- _ On spools SD 300K, with intermediate paper layers. Different spool types are available upon request.
- _ In coils: Coil weight and diameters as per customer’s instructions
- _ In straight lengths for round wire and profile wires per customer’s request: Up to a maximum of 3,000 mm.



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