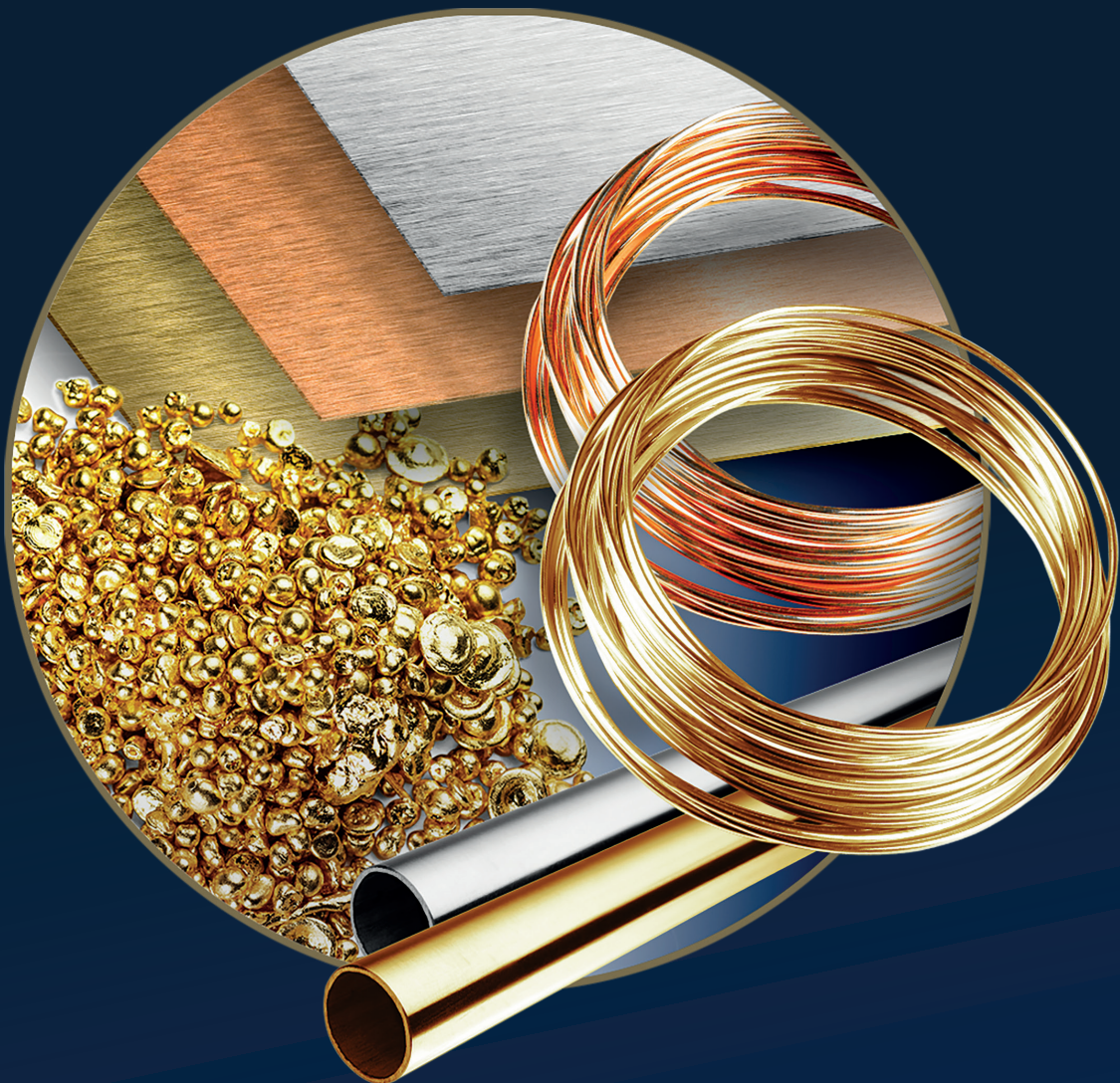




philoro
MELTING & REFINING



SEMI-FINISHED PRODUCTS SPECIFICATIONS

ALLOYS AND SEMI-FINISHED PRODUCTS FOR THE
JEWELLERY AND MANUFACTURING INDUSTRY

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WIRES, ROLLED SECTIONS & SQUARE

DESCRIPTION	ALLOY	THICKNESS mm
Wire round	Gold	0,2 – 10,0
Wire round	Silver	0,25 – 2,0
Wire round	Platinum/Palladium	0,25 – 2,0
Rolled section	Gold	4,0 – 6,0
Rolled section	Silver	4,0 – 6,0
Rolled section	Platinum/Palladium	4,0 – 6,0
Square straight	Gold	2,0 – 5,0
Square in ring	Silver	From 2,0
Square straight	Silver	From 2,0

	ALLOY	COLOUR	MELTING RANGE	DENSITY G/CM3	HARDNESS HV
COLOURED GOLD	333/110	yellow	790 – 880	10,6	100
	585/3209	yellow	880 – 910	14	135
	585/85R	red	865 – 900	13,3	150
	585/155	rosé	835 – 865	13,5	160
	750/160	yellow	910 – 930	15,6	120
	750/140	yellow	890 – 920	15,5	130
	750/125	deep yellow	885 – 905	15,5	135
	750/50	red	885 – 910	15,1	160
	750/80	rosé	870 – 885	15,2	140
WHITE GOLD	333/WGS	white	840 – 910	12,2	100
	585/12%	white	1085 – 1170	14,5	90
	585/PDF	white	885 – 990	13	200
	750/12,5%	white	1200 – 1280	16,3	80
	752/16%	white	1160 – 1200	16,1	120
	750/PDF	white	895 – 930	15	175
PLATINUM	PT/CU 960/40	grey/white	1730 – 1750	20,3	110
	PT/WO 950/50	grey/white	1830 – 1850	21,3	160
	PT/CO 950/50	grey/white	1720 – 1750	20,2	150
SILVER	925	white	830 – 910	10,4	80
	935	white	830 – 920	10,4	60



Further dimensions on request

SHEETS

DESCRIPTION	ALLOY	THICKNESS mm
Sheet	Gold	0,2 – 3,0
Sheet	Silver	0,2 – 3,0
Sheet	Platinum	0,2 – 3,0
Sheet	Palladium	0,2 – 3,0

	ALLOY	COLOUR	MELTING RANGE	DENSITY g/cm ³	HARDNESS HV
COLOURED GOLD	333/110	yellow	790 – 880	10,6	100
	585/3209	yellow	880 – 910	14	135
	585/85R	red	865 – 900	13,3	150
	585/155	rosé	835 – 865	13,5	160
	750/160	yellow	910 – 930	15,6	120
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	750/125	deep yellow	885 – 905	15,5	135
	750/50	red	885 – 910	15,1	160
	750/80	rosé	870 – 885	15,2	140
WHITE GOLD	333/WGS	white	840 – 910	12,2	100
	585/12%	white	1085 – 1170	14,5	90
	585/PDF	white	885 – 990	13	200
	750/12,5%	white	1200 – 1280	16,3	80
	752/16%	white	1160 – 1200	16,1	120
	750/PDF	white	895 – 930	15	175
SILVER PLATINUM	PT/CU 960/40	grey/white	1730 – 1750	20,3	110
	PT/WO 950/50	grey/white	1830 – 1850	21,3	160
	PT/CO 950/50	grey/white	1720 – 1750	20,2	150
	925	white	830 – 910	10,4	80
	935	white	830 – 920	10,4	60

Further dimensions on request

TUBES

DESCRIPTION	ALLOY	THICKNESS mm
Hinge round	Gold	1,0 – 10,0 AD
Hinge round	Gold	10,0 – 14,0 AD
Hinge round	Silver	1,0 – 1,75 AD
Hinge round	Silver	1,75 – 14,0 AD
Hinge round	Platinum/Palladium	1,0 – 8,0
Ring tube	Silver	30/15 e.g.

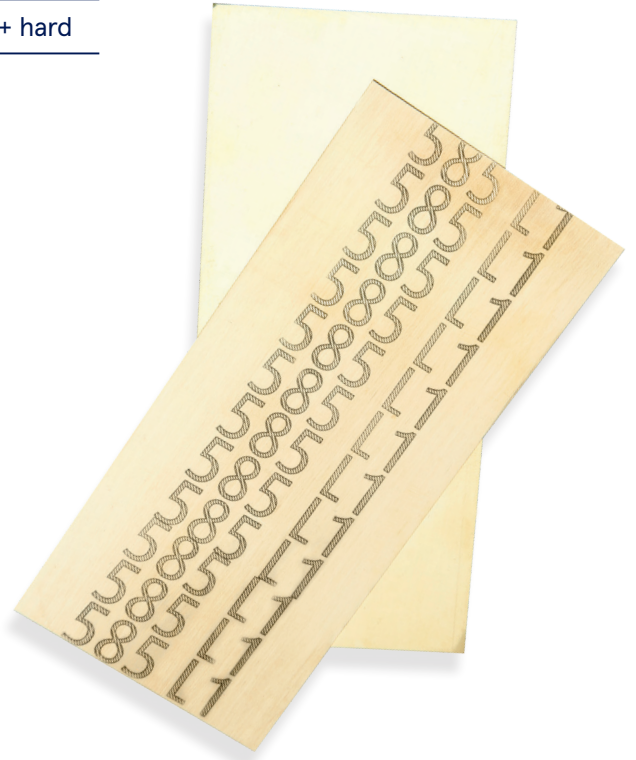


Further dimensions on request

SOLDER SHEET & SOLDER WIRE

DESCRIPTION	ALLOY
Solder sheet (0,3 mm) / solder wire (0,5 mm)	Gold yellow
Solder sheet (0,3 mm) / solder wire (0,5 mm)	Gold white
Solder sheet (0,3 mm) / solder wire (0,5 mm)	AG medium + hard
Solder sheet (0,3 mm) / solder wire (0,5 mm)	AG soft

	ALLOY	COLOUR	WORKING TEMPERATURE
COLOURED GOLD	333	yellow soft	690
	333	yellow medium	745
	333	yellow hard	735
	585	yellow soft	730
	585	yellow medium	790
	585	yellow hard	810
	750	yellow soft	750
	750	yellow medium	790
	750	yellow hard	820
	750	red hard	800
WHITE GOLD	585	white soft cdf with PD	730
	585	white hard cdf with Ni	860
	750	white soft cdf with PD	800
	750	white hard cdf with Ni	840
SILVER	AG	Solder medium	680
	AG	Solder hard	710



CAST

	ALLOY	COLOUR	MELTING RANGE	DENSITY g/cm3	HARDNESS HV
COLOURED GOLD	333/110	yellow	790 – 880	10,6	100
	585/3209	yellow	880 – 910	14	135
	585/85R	red	865 – 900	13,3	150
	585/155	rosé	835 – 865	13,5	160
	750/160	yellow	910 – 930	15,6	120
	750/140	yellow	890 – 920	15,5	130
	750/125	deep yellow	885 – 905	15,5	135
	750/50	red	885 – 910	15,1	160
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WHITE GOLD	333/WGS	white	840 – 910	12,2	100
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	585/PDF	white	885 – 990	13	200
	750/12,5%	white	1200 – 1280	16,3	80
	752/16%	white	1160 – 1200	16,1	120
	750/PDF	white	895 – 930	15	175
SILVER PLATINUM	925	white	830 – 910	10,4	80
	935	white	830 – 920	10,4	60
	PT/CU 960/40	grey/white	1730 – 1750	20,3	110
	PT/CU 950/50	grey/white	1720 – 1750	20,2	150

DESCRIPTION	ALLOY
Cast	Gold
Cast	Silver
Cast	Platinum



RING BLANKS

PROFILES	DIMENSIONS	SIZES
round	in steps à 0,5 – 7 mm – max. Ø 8 mm	from 46
rectangular	no specifications	from 46
rectangular + inner curvature	no specifications	from 46
rectangular + outer curvature	no specifications	from 46
rectangular + inner curvature + outer	no specifications	from 46
oval	no specifications	from 46
navette	no specifications	from 46



Further dimensions on request

A full-page sheet of white graph paper with a light gray grid. The grid consists of small squares, approximately 10 units wide by 10 units high. There are no margins or additional markings on the page.

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A full-page sheet of graph paper with a uniform grid of small squares. The grid consists of 20 columns and 15 rows of squares, creating a total of 300 square units. The lines are thin and black, set against a white background. There are no margins or additional markings on the page.

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