



Precious Metals West / Fine Gold

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Yellow Alloys

Alloy No.	Karats	Best Use	Color	Notes for Your Consideration
#34	10-14		Light Yellow	Our in house metal. Best for all applications in casting.
#34ND	10-14	Fabrication/Stamping	Light Yellow	No additives for fabrication.
#33	10-14	Casting	Yellow Medium	Formulated between #34 & #32. Ruddy and less light.
#32	10-14	Casting	Dark Yellow	Reddish tint. Copper rich. "Hamilton" color.
#21CE	10-14	Casting	Yellow Medium	Stone in wax alloy. Great for induction casting.
#21 CE-ND	10-14	Fabrication/Stamping	Yellow Medium	No additives for fabrication.
#711	10-14	Casting	Very Light Yellow	High silver mix. Very workable.
#711 ND	10-14	Fabrication/Stamping	Very Light Yellow	No additives for fabrication. Our rolling alloy.
#1	10-14	Casting	Dark Yellow	Dark color, ruddy. Rolls with additives.
#303	10-14	Casting	Light Yellow	Nice alloy for setting or bending.
#5063	10-14	Casting	Light Yellow	Slightly high silver for a easy to set mix.
#1111	10-14	Casting	Yellow Medium	Excellent Induction -P.O.V. alloy
#152	10-14	Casting	Dark Yellow	Slight reddish yellow. "Hamilton" color.
#152 ND	10-14	Fabrication/Stamping	Dark Yellow	No additives for fabrication.
#67D	18-22	Casting	Light Yellow green	Our in house alloy for 18kt. Slightly green tint.
#67ND	18-22	Fabrication/Stamping	Light Yellow green	No additives for fabrication.
#751	18-22	Casting	Light Yellow green	Green 18kt. High in silver, very soft material.
#751 ND	18-22	Fabrication/Stamping	Light Yellow green	No additives for fabrication. Granulators dream.
#75	18-22	Casting	Dark Yellow	Slight ruddy color. Less silver than most 18kt.
#75ND	18-22	Fabrication/Stamping	Dark Yellow	Heat treatable.
#007	14-18	Casting	Light Yellow green	Strong European color. Beautiful metal.

Rose And Green Alloys

Alloy #	Best Kt	Best Use	Color	Notes for your consideration
#51	10-14	Casting	Dark Rose	Good color, fairly hard material.
#51 ND	10-14	Fabrication	Dark Rose	Non silicon for forming, still hard material.
#52	10-14	Casting	Very Dark Rose	The best Red color available, very hard metal.
#84	10-18	Casting	Light Green	Very soft with silver for color.
#91	10-18	Casting	Light Green	Very soft with silver for color.
Soviet Red	14-18	Casting	Light Rose	Lots of silver to soften the gold, soft rose color.
Soviet Red ND	14-18	Fabrication/Stamping	Light Rose	Our softest Rose gold.

How You Can Select An Alloy

First, what karat, and color ? Then ask yourself what processes the gold will undergo Will you be casting and finishing or making sheet or wire for forming or fabrication? Keep in mind that you want "ND" alloys for any rolling, stamping, or fabricating process. Casting and recasting gold requires the silicon deoxidiser we use in the casting alloys. This helps provide cleaner castings and helps avoid cyanide stripping. If you use a gas torch- We suggest natural gas, methane, or hydrogen for gold and silver alloys. Or if you use electricity to melt, we strongly suggest the best available way to keep the air away from hot gold or silver. Protect your molten gold!

If you need more help, call and ask for our "Basic Metallurgy /Alloy Guide For Jewelers- Written by Daniel and printed by us here at PMWest.

*P.O.V. = Pressure Over Vacuum like Neutec, Yasui, and Galoni Equipment