

Table 1: Compatible couples for bimetallic contacts

Pure metals and alloys in alphabetical order (including carbon)	Aluminium-Copper alloys	Al (pure), Al-Zinc alloys	Cadmium	Cast iron (austenitic)	Chromium	Copper, Brasses	Cupro-Nickel, Al-bronzes, Si-bronzes	Gold, Platinum, Carbon, Rhodium	Gun-metal (CuZn10 alloy), P-bronzes, Sn-bronzes	Magnesium	Nickel, Monel, Inconel, Nickel/Molybdenum-alloys	Silver	Sn-Pb alloys (all), Tin, Lead	Stainless steel 18/8 (300 series)	Stainless steel 13Cr (400 series)	Steel (carbon, low alloy), Cast iron	Titanium and Ti-alloys	Zinc, Beryllium
Aluminium-Copper alloys	1	1	3	3	3	3	3	3	2	2	3	3	1	2	2	3	2	2
Al (pure)		1	3	3	3	3	3	3	2	3	3	3	2	3	3	3	3	2
Al-Zinc alloys			1	3	3	3	3	3	2	3	3	3	2	3	3	3	3	2
Cadmium			2	2	2	2	2	2	1	2	2	0	1	1	2	2	2	2
Cast iron (austenitic)				1	1	1	2	1	3	1	2	1	1	1	2	1	3	3
Chromium					1	0	0	1	3	1	0	2	0	0	2	0	3	3
Copper, Brasses						0	2	0	3	1	1	2	1	1	3	0	3	3
Cupro-Nickel																		
Al-bronzes							2	0	3	1	1	2	2	1	3	0	3	3
Si-bronzes																		
Gold																		
Platinum,																		
Carbon								2	3	2	0	3	0	1	3	0	3	3
Rhodium																		
Gun-metal(CuZn10 alloy)																		
P-bronzes									3	1	1	1	0	0	3	0	3	3
Sn-bronzes																		
Magnesium										3	3	2	3	3	3	3	3	3
Nickel																		
Monel																		
Inconel											2	2	1	0	2	1	3	3
Nickel/Molybdenum-alloys																		
Silver												3	0	0	3	0	3	3
Sn-Pb alloys (all)																		
Tin, Lead														1	1	3	1	1
Stainless steel 18/8 (300 series)															1	3	0	3
Stainless steel 13Cr (400 series)																3	0	3
Steel (carbon, low alloy)																	0	3
Cast iron																		
Titanium and Ti-alloys																		3
Zinc																		
Beryllium																		

Key:

- 0 - Can be used without restriction.
- 1 - Can be used in a non-controlled environment (e.g. assembly area and general non-clean room environment).
- 2 - Can be used in a clean room environment.
- 3 - Needs specific measures to avoid galvanic corrosion when these combinations are selected.