普通铜及黄铜合金 T1、T2、TU、H68、H65、H62

Common copper and brass alloys T1, T2, TU, H68, H65, H62

成分及用途说明：

Description of ingredients and uses:

T1 纯铜含 Cu+Ag 为 99.95%，含 O 为 0.02%。

T2 纯铜含 Cu+Ag 为 99.90%，含 O 为 0.02%。

T1 pure copper contains 99.95% Cu+Ag and 0.02% O.

TU 无氧铜含 Cu+Ag 为 99.97%，含 O 为 0.002%。

TU oxygen-free copper contains 99.97% Cu+Ag and 0.002% O.

合金牌号 Alloy designation		化学成分 Chemical component					
QB	GB/JIS/UNS	Cu	Pb	Zn	Fe	Sn	杂质总和 Summation of impurities
H62	H62/JIS C2800	60.5-63.5	<=0.08	REM	<=0.15	-	<=0.5
H65	H65/JIS C2700	63.5-68.0	<=0.03	REM	<=0.1	-	<=0.3
H68	H68/JIS C2600	67.0-70.0	<=0.03	REM	<=0.1	-	<=0.3

H68 是普通黄铜中应用最为广泛的一个品种，有极为良好的塑性和较高的强度，加工性能好易焊接，主要用于复杂的冷冲件和深冲件，如散热器件外壳、导管、波纹管、弹壳、垫片、雷管等。

H65 有较高的强度和塑性，性能介于 H62 和 H68 之间，主要用于小五金、日用品、小弹簧、螺钉及机器零件。

H62 力学性能及塑性尚好，主要用于各种浅引伸和弯折制造的受力零件。

新用途：目前有 TU 丝、铜镍丝及 H65 应用于电熔 PE 管件零件中充当电热丝。

H68 is the most widely used variety of common brass, has very good plasticity and high strength, good processing performance and easy welding, mainly used in complex cold stamping parts and deep drawing parts, such as cooling device shell, conduit, bellows, shell, gasket, detonator and so on. H65 has high strength and plasticity, performance between H62 and H68, mainly used in hardware, daily necessities, small springs, screws and machine parts. H62 has good mechanical properties and plasticity, which is mainly used for various shallow extension and bending parts. New use: TU wire, copper-nickel wire and H65 are used in electric melting PE pipe parts as electric heating wire.

 电熔管件示意图 Schematic diagram of welding pipe fitting