



Dear Customers,

Our metal containing products have been manufactured for many years according to or based on the ISO 9453:2006 standard. The actual standard for soft soldering alloys (composition and delivery forms) is ISO 9453:2014.

We would like to inform you herewith that latest by July 2017 we will be manufacturing our metal containing products according to ISO 9453:2014 and adapting the product identifications accordingly.

The major difference defined by the actual ISO 9453:2014 standard is the reduction of the allowed maximum lead (Pb) limit for lead free alloys (from 0,10% to 0,07%). Even that already in the past we manufactured our lead free products below 0,07% Pb content by using first grade raw materials only the changeover to the current standard requires no changes through the whole supply and production chain of our lead free materials.

As already notified introducing ISO 9453:2006 the alloy designations will change according to the new standard. To avoid possible inconveniences for you we would like to present the changes for the common alloys in the following table:

ISO 9453:2006		ISO 9453:2014		STANNOL		
Alloy number	Alloy designation ¹	Alloy number	Alloy designation	Internal short description	Alloy designation on labels to date (future)	To day and future alloy composition ²
101	S-Sn63Pb37	101	S-Sn63Pb37		S-Sn63Pb37 (S-Sn63Pb37)	Sn 62.5 - 63.5 Pb remainder
161	S-Sn60Pb39Cu1	161	S-Sn60Pb39Cu1		S-Sn60Pb39Cu1 (S-Sn60Pb39Cu1)	Sn 59.5 - 60.5 Pb remainder Cu 1.2 - 1.6
401	S-Sn99Cu1 (Sn99.3Cu0.7)	401	S-Sn99.3Cu0.7	ECOLOY TC	S-Sn99Cu1 (S-Sn99.3Cu0.7)	Sn remainder Cu 0.5 - 0.9
501	S-Sn98Cu1Ag (Sn99Cu0.7Ag0.3)	501	S-Sn99Cu0.7Ag0.3	ECOLOY TSC0307	S-Sn98Cu1Ag (S-Sn99Cu0.7Ag0.3)	Sn remainder Cu 0.5 - 0.9 Ag 0.2 - 0.4
701	S-Sn96Ag4 (Sn96.3Ag3.7)	701	S-Sn96.3Ag3.7	ECOLOY TS	S-Sn96Ag4 (S-Sn96.3Ag3.7)	Sn remainder Ag 3.5 - 3.9
703	S-Sn96Ag4 (Sn96.5Ag3.5)	703	S-Sn96.5Ag3.5	ECOLOY TS350	S-Sn96Ag4 (S-Sn96.5Ag3.5)	Sn remainder Ag 3.3 - 3.7
711	S-Sn96Ag3Cu1 (Sn96.5Ag3Cu0.5)	711	S-Sn96.5Ag3Cu0.5	ECOLOY TSC305	S-Sn96Ag3Cu1 (S-Sn96.5Ag3Cu0.5)	Sn remainder Ag 2.8 - 3.2 Cu 0.3 - 0.7
713	S-Sn95Ag4Cu1 (Sn95.5Ag3.8Cu0.7)	713	S-Sn95.5Ag3.8Cu0.7	ECOLOY TSC	S-Sn95Ag4Cu1 (S-Sn95.5Ag3.8Cu0.7)	Sn remainder Ag 3.6 - 4.0 Cu 0.5 - 0.9

¹ according to ISO 3677 • ² mass fraction in %

Implementing the modifications will also require a redesign of the material labels. Due to the successively progress of updating the designators for individual product categories we kindly ask for your understanding if throughout the transition period labels with the previous designations will be delivered.

Should you have any questions or remarks according this topic we are pleased taking care on your request.

Your Stannol team