



# » SOLDER SPHERES



**PFARR**

WIR BRINGEN LÖT IN FORM  
GETTING SOLDER INTO SHAPE

Thanks to our special manufacturing technique Pfarr solder spheres support all state-of-the-art and high-end applications. Our Lead-bearing and Lead-free solder spheres are available in standard as well as customised alloy compositions.

## KEY FEATURES

- high sphericity
- excellent surface finish
- complete reliability
- tightest tolerances

## ADVANTAGES

- excellent mechanical properties
- perfect electrical characteristics

## APPLICATION FIELDS

- BGA Ball Grid Array
- CSP Chip Scale Package

## » COMMON SOLDER COMPOSITIONS

Alloy	Composition	Melting Temperature	Note
<b>Landal Seal®</b>	Landal Seal®	214 °C	Lead free (RoHS approved)
<b>SAC305</b>	Sn 96.5% Ag 3% Cu 0.5%	217 - 219 °C	Lead free (RoHS approved)
<b>SAC387</b>	Sn 95.5% Ag 3.8% Cu 0.7%	217 °C	Lead free (RoHS approved)
<b>SnPb37</b>	Sn 63% Pb 37%	183 °C	Lead-bearing
<b>PbSn10</b>	Pb 90% Sn 10%	268 - 302 °C	Lead-bearing

*Your specific alloy requirements generally available on request.*

## » STANDARD SOLDER SPHERES

Product	Package
Diameter 0.20 mm ( .008 inch)	jars / tape and reel
Diameter 0.25 mm ( .010 inch)	jars / tape and reel
Diameter 0.30 mm ( .012 inch)	jars / tape and reel
Diameter 0.35 mm ( .014 inch)	jars / tape and reel
Diameter 0.40 mm ( .016 inch)	jars / tape and reel
Diameter 0.45 mm ( .018 inch)	jars / tape and reel
Diameter 0.50 mm ( .020 inch)	jars / tape and reel
Diameter 0.55 mm ( .022 inch)	jars / tape and reel
Diameter 0.60 mm ( .024 inch)	jars / tape and reel
Diameter 0.65 mm ( .026 inch)	jars / tape and reel
Diameter 0.70 mm ( .028 inch)	jars / tape and reel
Diameter 0.76 mm ( .030 inch)	jars / tape and reel
Diameter 0.81 mm ( .032 inch)	jars / tape and reel
Diameter 0.89 mm ( .035 inch)	jars / tape and reel

*Packaging: Solder spheres are packed under an inert atmosphere such as Argon gas to safeguard all properties.*





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